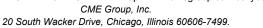
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**FINAL** 

PG48 BULLETIN #123@

E-MINI S&P 500 PUT OPTIONS

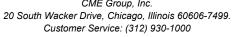
Wed, Jun 27, 2018 PG48

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, OPENIONS 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.

									VOLUME				
	OPEN RANGE S&P_P	HIGH	LOW	CLOSING RANGE	SETT.PRIC & PT.CHGE		DELTA	EXER CISES	VOLUME TRADES CLEARED	INTE	OPEN REST	CONTF HIGH	RACT LOV
1 MINI 18 0					САВ					1	UNCH	.05	.05
5 0					CAB CAB					45 37	UNCH	.05	.05
0 5					CAB CAB					1 10	UNCH UNCH	.05 .15	.05
0 5					CAB CAB					1 15	UNCH UNCH	.05 .30в	.05
0					CAB					25	UNCH	.40в	.10
5					CAB CAB					65 76	UNCH UNCH	.15 .45B	.10 .10
0 0					CAB CAB					7 35	UNCH UNCH	.40 .40	.10
5					CAB					55	UNCH	.40	.10
) )					CAB CAB					93 100	UNCH UNCH	.50в .55в	.05
) )					CAB CAB		.000			1 1	UNCH	.55В .60В	.05
; )					CAB CAB		.000			1 1	UNCH UNCH	1.00 .65B	.10
					CAB		.000			102	UNCH	1.00B	.10
					CAB CAB		.000			226 28	UNCH UNCH	.65в .70в	.05
)					CAB .05	UNCH	.000			14 107	UNCH UNCH	.70в .70в	.10
)					.05	UNCH	.000			125	UNCH	.75в	.10
					.05 .05	UNCH UNCH	.000			51 55	UNCH UNCH	.75в .75в	.05
					.05 .05	UNCH	.000			50 111	UNCH UNCH	.80в .80в	.10
					.05- .05-	5 5	.000			201 323	UNCH UNCH	.80в .85в	.05
					.05-	5	.000			50	UNCH	.85B	.10
					.05- .05-	5 5	.000 .000			232 1	UNCH UNCH	1.40в .90в	.05
			 .10A		.05- .10-	5	.000			103 400	UNCH UNCH	.90в .90в	.10
			*.10A		.10-	5	.000			162	UNCH	.95в	.10
			*.10A *.10A		.10- .10-	5 5	.000			101 110	UNCH UNCH	1.60в 1.00в	.10
			*.10A *.10A		.10- .10-	5 5	.000			3 21	UNCH UNCH	1.00B 1.05B	.10
	0.05	100	*.10A		.10-	5	.000			139 466 +	UNCH 1	1.75B	.10
	0.05	.10B	*.05 *.10A		.15 .15	UNCH	.001		1	160	UNCH	1.85 1.10B	.10
	0.10	.10	*.10 *.10A		.15 .15	UNCH	.001 .001		10 	152 208	UNCH UNCH	1.15В 1.15В	.10
	0.10	.10	*.10A *.10		.15 .15	UNCH UNCH	.001 .001		150	76 135 -	UNCH 88	1.20B 1.20B	.10
	0.15	.15	.10A		.15	UNCH	.001		10	284	UNCH	1.25B	.10
			*.10A .15A		.20+ .20	5 UNCH	.001 .001			150 17	UNCH UNCH	1.30B 1.35B	.10
	0.10	 .15B	.15A *.10		.20 .20	UNCH UNCH	.001		10	250 691 +	UNCH 10	1.35B 1.35B	.15
	0.10	.15	*.10		.20	UNCH	.001		115	388 +	115	1.40B	.10
	0.15 0.15	.15 .15	*.10 *.10		.20 .20	UNCH UNCH	.001 .001		914 535	1032 + 731 +		1.45В 1.50В	.10
	0.15 0.15	.15 .20в	.15 *.15		.20 .20	UNCH	.001 .001		1332 1700	1980 + 1715 +		2.00 1.60B	.15
	0.15	.15	*.15		.25+	5	.002		550	503 +	499	1.60B	.15
	0.15 0.15	.20в .20в	*.15 *.15		.25+ .25+	5 5	.002 .002		400 627	402 + 652 +	537	1.65В 1.70В	.15
	0.15 0.15	.20в .20в	.15 .15		.25 .25	UNCH	.002 .002		922 32	828 + 1008 +		1.80B 1.85B	.15
	0.25	.25	*.15A		.30+	5	.002		100	148 -	17	1.85B 2.55	.15
			*.15A *.20A		. 30+ . 30+	5 5	.002 .002			480 527	UNCH UNCH	1.90B 2.00B	.1
	0.15	.25B	*.15 *.20A		. 30+ . 35+	5 5	.002		3	673 + 490	3 UNCH	3.40в 2.15в	.15
	0.30 0.35	.35 .35	*.20A *.20A		.35+	5 5	.003		406 50	897 - 74 +	194	2.20B	.20
			*.20A		.35+ .40+	5	.003			2180	UNCH	2.25B 2.30B	.20
	0.35 0.40	.35 .40	*.20A *.20A		. 40+ . 40+	5 5	.004 .004		44 10	1021 + 866	22 UNCH	2.40B 2.50B	.20
	0.40 0.35	.40 .40B	*.20A *.25A *.25A		.45+ .45+	10 5	.004 .004		22 44	1045 + 1597 +	22 44	2.50B 2.60B 2.70B	.20
	0.25	.40	*.25		.45+	5	.004		35	1411 +	35	2.75B	.2
	0.40 0.30	.40 .45	*.25A *.25A		. 50+ . 50+	10 10	.005 .005		22 133	1195 501 +		2.80B 4.80B	.2
	0.40	.50	*.25A *.25A		.50+ .55+	10 10	.005 .006		338	935 + 659		5.00B 3.15B	.2
	0.50	.50	*.30A		.55+	10	.006		22	137 +	4	3.20B	. 30
		.50в .50в	*.30A *.30A		.55+ .60+	10 15	.006			176 851	UNCH	3.25B 3.35B	.3
	0.50 0.40	.55В .55В	*.30a *.30a		.60+ .60+	15 10	.006 .007		22 316	856 1270 +		3.40B 5.50B	.30
	0.50 0.55	.55B .60B	*.30A *.30A		.65+ .65+	15 15	.007		22 100	82 + 256 +		3.55B 3.65B	.30
		.60в	*.30A		.65+	10	.007			83	UNCH	4.70B	. 30
	0.35	.60в .65в	*.35 *.35A *.35A		. 70+ . 70+	15 15	.008 .008		100	1211 - 1209	14 UNCH	6.00 6.25B 5.00B	.3
	0.55 0.45	.65в .70	*.35A *.35A		.70+ .75+	15 20	.008		15 184	637 + 341 -		5.00B 4.10B	.3
		.70в	*.35A		.75+	15	.009		1	325 -	1	6.50B	.3
	0.40	.70в .75в	*.35A *.40		.75+ .80+	15 20	.009 .010		100 44	439 - 189 +		6.75в 5.50в	. 3
	0.50 0.75	.75в .80в	*.40A *.35A		.80+ .85+	20 20	.010 .011		101 49	418 - 256 +		4.50B 5.75B	.40
	0.55 0.85	.85	*.35 *.40		.85+ .85+	20 20	.011		85 2982	317 + 2405 +	50	4.70B 7.75B	.3
	0.50	.85	*.40A		.90+	20	.012		659	917 +	649	7.75B 6.25B 5.00B	.40
	0.90 0.45	.90 .90в	*.45A *.45		.90+ .95+	20 25	.012 .013		107 1	68 - 287	51 UNCH	8.25B	.4
	0.45 1.00	1 00	*.40		1.00+	25	.014		462 200	513 - 389 +	9	8.50B 8.75B	.40
	0.50	1.00 1.00B 1.05B	*.45A *.45		1.00+ 1.05+	25 25	.014		735	1101 +	592	5.50B	.4
	0.50 1.00	1.05B 1.10B	*.50 *.50A		1.10+ 1.10+	30 30	.015 .016		686 1	943 + 115	655 UNCH	9.00в 7.50в	. 50
	0.50 0.50	1.15 1.15B	*.45 *.50		1.15+ 1.20+	30 35	.017		1600 1176	1530 + 1304 +	1345	7.75B 9.75B	.45
	0.50	1.20	*.50		1.25+	35	.018		452	517 +	333	8.00B	. 50
1	0.55	1.35 1.25B	*.55 *.55A		1.30+ 1.35+	40 40	.019 .020		74 	742 - 561	28 UNCH	8.25 8.50в	.55
)	0.60 0.60	1.30B 1.35B 1.40B 1.50B	*.60 *.60		1.40+ 1.45+	45 45	.021		161 111	523 - 617 +	10 111	8.75B 9.00B	.60
	0.65	1.40B	*.60		1.50+	45	.023		87	557 -	51	9.25B	.60
,	0.60 0.65	1.50B 1.55B 1.60B	*.60 *.65		1.55+ 1.60+	50 50	.025 .026		440 110	536 + 285 +	296 52	9.50в 10.00в	.6
		1 COD	*.65		1 65	55	.027		121	159 +	64	12.75B	.6
	0.95 0.65	1.70 1.75B 1.85B	*.65		1.65+ 1.70+	55	.028		1840	1798 +		10.50B 10.75B 11.25B	.6: .7(

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					FINAL				
PG48	BULLETIN #123@			E	E-MINI S&P 500 PUT OP	TIONS			Wed, Jun 27, 2018 PG48
2520 2525	0.80 0.90	2.10B 2.20	*.80 *.80A		2.05+ 2.15+	70 75	.035 .037	128 1038	284 - 17 11.75B .80 951 - 329 15.25B .80A
2530 2535	1.25 2.45	2.30B 2.45	*.85A *.90A		2.25+ 2.35+	75 80	.040	123 106	511 - 8 12.75B .85A 315 + 72 13.00B .90A
2540 2545	2.60 2.70	2.70 2.75B	*.90A *.95A		2.50+ 2.60+	90 90	.045 .047	101 28	496 + 95 13.50B .90A 746 + 4 14.00B .95A
2550 2555	1.70 1.25	3.05 3.05B	*1.00A *1.05A		2.75+ 2.95+	100 110	.051 .055	521 50	894 - 254 17.75B 1.00A 222 + 50 15.00B 1.05A
2560 2565	3.25 1.25	3.25 3.45B	*1.10A *1.15A		3.10+ 3.30+	115 125	.058	121 192	808 - 54 19.00B 1.10A 548 + 59 18.75 1.15A
2570	3.60 1.85	3.75 3.85	*1.20A *1.25		3.50+ 3.50+ 3.75+	135 150	.067	122 1173	1282 + 102 16.50B 1.20A 2016 + 559 21.00B 1.25
2575 2580	2.95	4.10B	*1.30A		4.00+	165	.077	31	400 - 4 21.75B 1.30A
2585 2590	1.45 1.55	4.35B 4.85	*1.35A *1.45A		4.25+ 4.55+	175 190	.089	197 510	864 + 335 23.25B 1.45A
2595 2600	2.30 3.30	4.95B 5.25B	*1.50A *1.60A		4.85+ 5.20+	205 225	.096 .103	181 592	791 - 60 19.75B 1.50A 3577 + 4 25.00B 1.60A
2605 2610	5.00 4.50	5.50B 6.00	*1.70A *1.80A		5.50+ 5.90+	235 255	.111 .119	186 151	968 - 42 21.25B 1.70A 2604 + 125 22.25B 1.80A
2615 2620	2.75 6.75	6.50B 7.00	*1.90A *2.00		6.40+ 6.90+	280 305	.129 .140	2597 657	2204 + 1654
2625 2630	5.75 4.05	8.25 8.00B	*2.20A *2.35A		7.40+ 8.00+	330 360	.151 .163	260 360	1053 + 83 24.75B 2.20A 1047 UNCH 25.75B 2.35A
2635 2640	3.90 4.15	8.50B 10.25	*2.50A 2.70A		8.70+ 9.40+	400 440	.177 .192	368 985	349 - 27 27.00B 2.50A 1098 + 253 28.00B 2.70A
2645 2650	3.70 6.50	10.00в 11.50	2.90A 3.15		10.20+ 11.10+	480 530	.207 .225	579 2185	392 - 182 29.25B 2.80A 3902 - 19 30.50B 2.90A
2655 2660	4.60 8.00	11.75в 12.75в	3.40A 3.70A		12.00+ 13.00+	570 620	.242 .262	325 469	1310 + 49 31.75B 3.05A 2832 - 52 33.00B 3.20A 1817 + 689 34.50B 3.35A
2665 2670	10.50 8.75	13.75 15.50	4.00A 4.35A		14.00+ 15.20+	660 710	.282	2787 868	1429 + 115 36.00B 3.50A
2675 2680	9.00 10.50	17.50 18.50	4.75A 5.25A		16.40+ 17.70+	760 810	.327 .351	1812 812	2591 + 567 37.50B 3.65A 1091 - 82 39.00B 3.85A
2685 2690	6.75 15.50	20.25 21.75	5.75A 6.25A		19.20+ 20.70+	880 940	.377 .405	308 799	610 + 116 40.75B 4.10A 1085 + 336 42.50B 4.35A
2695 2700	13.00 15.50	22.25B 25.00	7.00A 7.50		22.40+ 24.20+	1010 1080	.434 .464	450 3659	577 + 65 44.50B 4.60A 3922 - 225 54.00B 4.80
2705 2710	14.75 16.00	27.75	8.25A 9.25A		26.20+ 28.30+	1160 1240	.496 .528	715 1148	611 - 241 48.50B 5.25A 1945 + 187 50.75B 5.75A
2715 2720	16.50 18.25	28.00B 30.25B 33.75	10.00A 11.00A		30.50+ 32.90+	1310 1390	.562 .597	622 544	1394 - 238 53.00B 6.00A 1639 + 91 55.50B 6.25
2725 2730	22.00 21.00	35.25B 38.00B	12.00 13.25		35.50+ 38.30+	1480 1560	.632	400 683	1750 + 151 58.00B 7.00A 1190 + 128 60.50B 7.50A
2735 2740	36.00 32.00	41.00B 44.00B	14.75A 16.50A		41.30+ 44.40+	1650 1730	.703 .739	210 1405	648 + 15 63.25B 8.25A 1228 + 70 66.25B 8.75A
2745 2750	45.75 35.25	47.50B 51.00B	18.25A 20.25		47.80+ 51.40+	1820 1900	.773 .804	130 239	562 + 1 69.25B 9.50A 940 + 44 72.50B 10.25A
2755	25.00 28.00	54.75B 58.75B	22.25A 24.75A		55.20+ 59.10+	1980 1980 2050	.834	3 13	265 - 1 75.75B 11.25A 537 - 1 79.25B 12.25A
2760 2765	33.50	62.00B	27.50A		63.20+	2100	.887	8	1068 + 7 71.50B 13.50A
2770 2775	37.50 46.50	66.25B 72.00	30.50A 33.75A		67.50+ 71.90+	2160 2200	.909	3 11	738 + 1 75.00B 14.75A 1177 UNCH 78.75B 16.25A
2780 2785	74.50 48.75	75.25B 79.75B	37.25A 41.25A		76.50+ 81.10+	2250 2270	.944 .956	52 10	1549 - 4 82.50B 18.00A 208 + 2 86.75B 20.00A
2790 2795		84.50B 89.50B	46.50A 51.00A		85.80+ 90.60+	2290 2300	.968 .976	13 	149 + 3 90.00B 22.00 21 UNCH 94.25B 24.00A
2800 2805		94.25B 98.25B	56.00A 60.75A		95.50+ 100.40+	2320 2330	.982 .986		20 UNCH 98.75B 26.25 11 UNCH 103.00B 28.75A
2810 2815		101.75В 106.75В	65.25A 71.75A		105.30+ 110.20+	2330 2330	.988 .993		30 UNCH 107.50B 31.25A 2 UNCH 110.00B 34.00A
2820 2825		111.75В 116.75В			115.20+ 120.10+	2340 2340	.993 .995		19 UNCH 114.25B 37.00A 7 UNCH 119.00B 40.00
2830 2835		121.50в 125.50в			125.10+ 130.10+	2340 2350	.997 .998		3 UNCH 123.75B 43.75A 4 UNCH 128.50B 47.25A
TOTAL AUG18	EOW1 MINI S&P P							53815	120831 + 7875
1425 1475			.20A		.25+ .25	5 UNCH	.001 .001		120 UNCH .25 .20A 120 UNCH .30 .20A
1700 1780		.60в	.40A *.50A		. 55+ . 70+	10 15	.003		9 UNCH .70 .40A 149 UNCH .60 .50A
1810 1820		.70в .70в	.55A *.55A		.75+ .75+	15 10	.004 .004		1 UNCH .85 .55A 1 UNCH .75 .55A
1830 1840		.75в .75в	*.55A *.55A		.80+ .80+	15 10	.005 .005		2 UNCH .90 .55A 1 UNCH 1.15 .55A
1850 1860		.80в .80в	*.60a *.60a		.85+ .85+	15 15	.005 .005		1 UNCH .80 .60A 9 UNCH .80 .60A
1880 1910		.85в .95в	*.65A *.70A		.95+ 1.00+	20 20	.006		3 UNCH .85 .65A 1 UNCH 1.30B .70A
1925 1930		#1.00B #1.00B	*.75A *.75A		1.10+ 1.10+	25 25	.007 .007		9 UNCH 1.00B .75A 1 UNCH 1.00B .75A
1940 1950		#1.05B 1.10B	*.75A *.80A		1.15+ 1.15+	25 25	.007 .007		6 UNCH 1.05B .75A 3 UNCH 1.10 .80A
1970 1975	1.25	1.15B #1.25	*.85A *.85A		1.25+ 1.25+	25 25	.008 .008	1	10 UNCH 1.65B .85A 4 + 1 1.25 .85A
1990 2000		#1.25B #1.30B	*.90A *.90A		1.35+ 1.35+	30 25	.009		15 UNCH 1.25B .90A 4 UNCH 1.30B .90A
2020 2025	1.35	#1.40B #1.40B	*.95A *1.00A		1.45+ 1.50+	30 30	.010 .010	100	101 + 100 1.40B .95A 3 UNCH 1.40B 1.00A
2030 2040		#1.45B #1.50B	*1.00A *1.05A		1.50+ 1.55+	30 30	.010 .011		4 UNCH 1.45B 1.00A 9 UNCH 1.50B 1.05A
2050 2060	1.55	1.55 #1.60B	*1.05A *1.10A		1.60+ 1.65+	35 35	.011 .012	1	5 UNCH 1.95 1.05A 1 UNCH 1.60B 1.10A
2070 2080		#1.65B 1.70B	*1.15A *1.15A		1.75+ 1.80+	40 40	.013 .013		1 UNCH 1.65B 1.15A 50 UNCH 2.00 1.15A
2100 2110		1.80B #1.90B	*1.25A *1.30A		1.90+ 2.00+	40 NEW	.014 .015	 2	145 UNCH 2.60 1.25A 2 + 2 1.90B 1.30A
2125 2130	1.60 1.75	2.00B #2.05B	*1.35A *1.35A		2.10+ 2.10+	45 NEW	.016	35 10	163 + 35 2.40 1.35A 10 + 10 2.05B 1.35A
2160 2200	2.00	2.25B #2.65B	*1.50A *1.75A		2.35+ 2.75+	50 60	.018	13	14 UNCH 2.60B 1.50A 10 + 7 2.65B 1.75A
2210 2220		2.75B 2.85B	*1.80A *1.85A		2.85+ 2.95+	65 65	.023		10 UNCH 3.90B 1.80A 2 UNCH 3.70B 1.85A
2260 2270		#3.40B #3.55B	*2.15A *2.25A		3.50+ 3.65+	NEW NEW	.030	2 2	2 + 2 3.40B 2.15A 2 + 2 3.55B 2.25A
2270 2275 2280		#3.55B 3.60B #3.70B	*2.30A *2.35A		3.03+ 3.70+ 3.80+	90 95	.032	 2	52 UNCH 5.00B 2.30A 3 + 2 3.70B 2.35A
2290		3.85B	*2.45A		3.95+	95	.035	2	12 + 2 5.25B 2.45A
2300 2305		4.05B 4.15B	*2.55A *2.60A *2.65A		4.15+ 4.25+	105 105	.037	4 2 5	55 + 4 5.50B 2.55A 11 + 2 4.35B 2.60A
2310 2320		4.25B 4.45B	*2.65A *2.75A *2.80A		4.35+ 4.55+	NEW 115	.039		5 + 5 4.45B 2.65A 2 UNCH 4.65B 2.75A
2325 2330		4.55B 4.65B	*2.80A *2.85A		4.65+ 4.75+	115 NEW	.042	2	8 UNCH 4.75B 2.80A 2 + 2 4.90B 2.85A
2335 2340		4.75B 4.90B	*2.90A *3.00A		4.85+ 4.95+	NEW 120	.044	7 3	7 + 7 5.00B 2.90A 12 + 3 5.00B 3.00A
2345 2350		5.00B 5.00B	*3.05A *3.10A		5.10+ 5.20+	130 130	.047	25 1 <u>5</u>	105 + 5 6.75 3.05A 32 + 15 7.00 3.10A
2355 2360		#5.25B 5.25B	*3.20A *3.20A		5.40+ 5.50+	140 140	.050 .051	7 9	12 UNCH 5.25B 3.20A 10 + 9 5.75 3.20A
2365 2370		5.50B 5.50B	*3.30A *3.40A		5.60+ 5.80+	NEW NEW	.052 .054	5 1	5 + 5 5.75B 3.30A 1 + 1 5.75B 3.40A
2375 2380		5.75B #6.00B	*3.50A *3.55A		5.90+ 6.10+	150 NEW	.055	30 15	29 + 28 6.25 3.50A 15 + 15 6.00B 3.55A
2385 2390		6.00B 6.25B	*3.65A *3.75A		6.30+ 6.40+	165 NEW	.059	7 25	8 + 7 6.50 3.65A 23 + 23 6.50B 3.75A
2400 2405		6.75B 6.75B	*3.90A *4.00A		6.80+ 7.00+	180 NEW	.064	1 5	17 + 1 9.00 3.90A 5 + 5 7.00B 4.00A
2410 2415	6.50	#7.00в 7.25в	*4.10A *4.20A		7.20+ 7.40+	NEW 200	.069 .071	1 	1 + 1 7.00B 4.10A 50 UNCH 7.50B 4.20A
2420 2425	6.50 7.50	7.50B 7.50	*4.30A *4.45A		7.60+ 7.80+	210 NEW	.073	18 50	62 + 7 9.25 4.30A 50 + 50 7.75B 4.45A
2430 2435	7.50	7.75B 8.00B	*4.55A *4.65A		8.00+ 8.20+	220 230	.077	 4	501 UNCH 10.00B 4.55A 56 + 4 8.25B 4.65A
		0.006	1.03A		0.20+	230		7	30 . 1 0.23B 4.03A

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PG48	BULLETIN #123@			E-	MINI S&P 500 PUT OP	TIONS			Wed, 3	Jun 27,	2018	PG48
2440		8.25B	*4.80A		8.50+	240	.082	 				4.80A
2445	8.00	8.50B	*4.90A		8.70+	240	.085	 94	144 +	94 8.	50B 4	4.90A
2450	6.25	8.75B	*5.00A		8.90+	250	.087	 78	54 +	44 8.	75B 5	5.00A
2455	8.25	9.00B 9.25B	*5.25A		9.20+	260	.090	 50	100 +	50 11	25B 5	5.25A
2460	8.25	9.25B	*5.50A		9.40+	NEW	.093	 50	50 +	50 9.	25B 5	5.25A 5.50A 5.50A 5.75A
2465	6.50	9.50B	*5.50A		9.70+	280	.096	 58	177 +		.00B 5	5.50A
2470	8.25 7.75	9.75B	*5.75A		10.00+	NEW	.099	 2	2 +	2 9.	75B 5	5.75A
2475	7.75	9.75B 10.00B 10.50 10.75B	*5.75A		10.20+	290	.102	 60	113 +	60 11	00 5	5.75A
2480	8.00	10.50	*6.00A		10.50+	300	.105	 2	30 +	2 12	.75B 6	6.00A 6.25A
2485	9.25	10.73B	*6.25A *6.25A		10.80+	300	.108	 54	301 +	51 13	3.50B 6	).23A
2490 2495	7.25	11.00B 11.50B 11.75B	*6.50A		11.10+	310 330	.112 .116	 156 		.43 13 ICH 14	.00B 6	6.25A
2500	11.50	11.30b	*6.75A		11.50+ 11.80+ 12.20+ 12.50+	330	.110	 14	148 +		.25 6	6.50A 6.75A 7.00A 7.00A
2505		12.735	*7.00A		12 20	340	.113	 		ICH 15	.25 7	7.73A
2510		12.25B 12.50B	*7.00A		12.20+	340	.127	 			.00B 7	7 00A
2515		#13.00B	*7.25A		12.30+	350	.131	 			3.00B 7	7 25 4
2520		#13.00B	*7.50A		12.90+ 13.30+ 13.70+	360	.136	 			5.00 7	7.25A 7.50A
2525		13.25B 13.75B	*7.75A		13.30+	370	.140	 1	86 +	1 16	5.25 7	7 75A
2530	9.25	#14.00B	*8.00A		14.10+	NEW	.145	 2	1 +	1 14	.00B 8	3.00A
2535	13.25	#14.00B 14.50B	*8.25A		14.10+ 14.60+	400	.150	 ī			.25B 8	7.75A 8.00A 8.25A
2540	9.75	#15.00B	*8.50A		15.10+	NEW	.155	 72	51 +	51 15	.00B 8	3.50A
2545		#15.50B	*8.75A		15.10+ 15.50+ 16.00+	420	.160	 	10 UN	ICH 15	.50B 8	8.50A 8.75A
2550	11.75	#15.50B 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	9.00A 9.25A
2560		17.00B	*9.50A		17.10+	460	.177	 		iCH 20	.00 9	9.50A
2565		17 50B	*10.00A		17.70+	480	.184	 			.00 1	10.00A
2570	16.75	18.25B	*10.25A		17.70+ 18.30+	500	.190	 20	221 +		.00 1	10.25A
2575	14.00	18.75B	*10.50A		18.90+	510	.197	 102		.02 20	.50B 1	10.50A
2580	14.75	19.25	*11.00A		19.50+	530	.204	 2	3 +	2 22	.25B 1	11.00A
2585	14.75	18.25B 18.75B 19.25 20.00B	*11.25A		18.90+ 19.50+ 20.20+	550	.211	 21	155 +		.00B 1	11.25A
2590	14.00	20.75B #21.50B	*11.75A *12.00A		20.90+	570	.218	 27	128 +	27 23	.75B 1	11.75A
2595	12.25	#21.50B	*12.00A		21.60+	NEW	.226	 10			50в 1	12.00A
2600	16.75	22.00в	*12.50A		22.40+	610	.234	 317		.07 24	.25 1	12.50A
2605	15.50	#23.00B 23.75B	*13.00A		23.20+	630	.243	 32	33 +	32 23	.00B 1	13.00A
2610	17.25	23.75B	*13.25A		24.00+	650	.251	 27	27 +			13.25A
2615	18.00	#24.50B	*13.75A *14.25A		24.80+	NEW	.260	 27	27 +		.50B 1	13.75A
2620	19.00	26.25	*14.25A		25.70+	700	.270	 18		ICH 28	.50B 1	14.25A
2625	17.75	27.00	*14.75A		26.70+	730	.280	 39	47 +	3 29	.50B 1	14.75A
2630	24.00	#27.50	*15.25A		27.60+	NEW	. 289	 24	24 +	24 27	.50 1	15.25A
2635	25.25	29.00	*16.00A		28.60+	770	.300	 10	17 +		50B 1	16.00A
2640	29.50	#29.50 #30.50B	*16.50A		29.70+	NEW	.311	 2	2 +		.50 1	16.50A 17.25A
2645	26.50	#30.50B	*17.25A *17.75A		30.80+	NEW	.322	 3	3 +		.50B 1	17.25A
2650	28.25	#32.25	*1/./5A		31.90+	860	.334	 4	9 +	2 32	.25 1	17.75A
2655	28.50	#33.50 #34.00B	*18.50A *19.25A		33.10+	NEW	.346	 2	2 +	2 33 19 34		18.50A
2660	25.75	#34.00B	*20.00A		34.40+	920	.358	21 1	20 +			19.25A 20.00A
2665	33.75	#35.50B	*20.00A *20.75A		35.60+ 37.00+	NEW	.371		1 + 21 +			20.00A 20.75A
2670	26.75 27.75	#36.75B #38.25B	*20.73A *21.50A		37.00+ 38.40+	NEW	.385 .398	 21 1	1 +	1 38	5.75B 2 3.25B 2	20.73A 21.50A
2675 2680	23.75	#39.75B	*22.50A		39.90+	NEW NEW	.413	 3	3 +	3 39	).75B 2	22.50A
2700	31.50	#46.00B	*26.50A		46.40+	NEW	.474	 202		202 46		26.50A
2705	33.50	#47.75B	*27.50A		48 20	NEW	.491	 1	1 +	1 47	75P 2	.0.30A
2710	32.00	#47.75B #49.75B	*28.75A		48.20+ 50.10+	1290	.508	 41	43 +	41 49	7.75B 2 0.75B 2	27.50A 28.75A
2715	32.00	51.50B	*30.00A		50.10+ 52.10±	1330	.526	 1	11 +	1 54	.75 3	30.00A
2713		#53.50B	*31.25A		52.10+ 54.10+	1370	.544	 		ICH 53		31.25A
2730		#58.00B	*34.25A		58.50+	1470	.581	 		ICH 58	3.00B 3	34.25A
2735		#60.25B	*35.75A		60.90+	NEW	.600	 5	5 +	5 60	).25B 3	35.75A
2740		#62.75B	*37.25A		63.30+	NEW	.620	 216		16 62	.75B 3	37.25A
2745		#65.25B	*39.00A		65 90+	NEW	.639	 12	2 +	2 65	25B	39.00A
2760		#73.75B	*44.75A		65.90+ 74.20+	NEW	.700	 5	5 +	5 73	.25B 3	39.00A 44.75A
2820	82.25	#117.75B	*80.00A		119.00+	NEW	.902	 í	1 +	1 11	7.75B 8	80.00A
TOTAL					==3.001			2375	5935 + 19			
TOTAL								2313	JJJJ · 15			

				W	K EW-W2 E-MINI S	&P PUT	S						
STRIKE	E OPEN RANGE	HIGH	LOW	CLOSING RANGE	SETT.PRICE & PT.CHGE.		DELTA	EXER CISES	VOLUME TRADES CLEARED	INTER	PEN	CONT HIGH	RACT LOW
EOW2 MIN	I S&P P EOW2 MINI S&P P								CLL/IIILD				
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 .05-	UNCH	.000			40 300	UNCH	.15	.10A
1575 1600					.10	5 UNCH	.000			115	UNCH	.15 .20в	.15 .15
1625					.10	UNCH	.000			50	UNCH	.20B	.13 .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 12	UNCH	.30B	.15A
1740					.15 .15	UNCH	.000			147	UNCH	.35 .35в	.15A .15A
1750 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	.40в	.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	.40в	.15A
1830			*.15A		.25+	5	.001			227	UNCH	.40в	.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 10	.001			63	UNCH	.45B	.20A
1870 1875					.30+ .30+	10	.002 .002			51 63	UNCH UNCH	.45в .50в	.20A .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	.55в	.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	.60в	.20
1960			*.20A		.35+	5	.002			73	UNCH	.60в	.20A
1970			.25A		.35+	5	.002			3	UNCH	.60B	.20
1975	0.25		.25A		.35+	5 5	.002		16	1	UNCH	.60B	.25A
1980 2000	0.25	.30B	.25 .25A		.35+ .40+	5	.002		16 	22 + 101	16 UNCH	.65в .65в	.25A .25
2000			.25A .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	.003			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		.50в	.35A		.55+	10	.004			87	UNCH	.95в	.35A
2120		.50в	.35A		.55+	10	.004			1	UNCH	.95в	.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 15	.006			2 2	UNCH UNCH	1.20B 1.25B	.40A .40A
2175		.65в	.40A		.70+								

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PG48	BULLETIN #123@				FINAL INI S&P 500 PUT OP	TTONE			Wed, Jun	27, 2018 PG48
PG46	BULLETIN #123@			E-M]	INI SQP 300 PUT OP	TIONS			wed, Juli	27, 2016 PG46
2180 2190	0.65	.65 .70в	.45A .45A		.70+ .75+	10 15	.006 .007		175 + 25 100 UNCH	1.30 .40A 1.30B .45A
2200 2210	0.40	.75B .75B	*.40 .50A		.75+ .80+	15 15	.007	5	1038 + 5 60 UNCH	1.40 .40 1.40B .45A
2220		.80в	.50A		.85+	15	.008		156 UNCH	1.55 .50
2225 2230		.80в .85в	.50a .50a		.85+ .90+	15 20	.008		329 UNCH 86 UNCH	1.60 .50 1.65 .50
2240 2250	0.50 0.90	.90в .90	.50 *.50		.90+ .95+	15 20	.009	44 15	113 + 44 $1064 + 10$	1.80 .50A 1.80 .50
2260		.95в	.55A		1.00+	20	.010	2	166 UNCH	1.90 .55A
2270 2275	1.00	1.00 1.05в	. 60a . 60a		1.05+ 1.10+	20 25	.011 .011		262 UNCH 172 UNCH	2.00 .60 2.05 .60A
2280 2290	0.60	1.05B 1.20	.60A *.60		1.15+ 1.20+	30 30		7 39	32 - 3 327 UNCH	1.95B .60A 2.05B .60
2300 2305	1.20 1.20	1.20 1.20	*.65A *.65A		1.25+ 1.25+	30 30	.013	15 111	1258 UNCH 270 + 111	2.15B .65A 2.20B .65A
2310	1.25	1.25	.70A		1.30+	30	.014	2	34 + 1	2.25B .70A
2315 2320	1.20 0.70	1.30 1.30	*.70A *.70		1.35+ 1.35+	35 35	.015	24	69 + 2 160 + 23	2.30B .70A 2.35B .70
2325 2330	1.30	1.35В 1.35В	.75A .75A		1.40+ 1.40+	35 35		234	144 + 122 1039 UNCH	2.40B .75A 2.45B .75A
2335 2340	1.45 1.45	1.45 1.45	*.75A .80A		1.45+ 1.50+	35 40	.016	11 106	10 UNCH 345 + 73	2.55B .75A 2.70 .80A
2345	1.50	1.50	.80A		1.55+	40 40	.018	7	9 - 1 375 + 16	2.65B .80A
2350 2355	1.45	1.50B 1.55B	*.80A .85A		1.55+ 1.60+	40	.019		128 UNCH	2.70B .80A 2.80B .85A
2360 2365	1.50	1.60в 1.65в	.85A *.85A		1.65+ 1.70+	45 45		2 15	37 UNCH 119 + 15	2.95 .85A 2.95B .85A
2370 2375		1.70в 1.75в	.90a *.90a		1.75+ 1.80+	45 50			1466 UNCH 2 UNCH	3.10 .90A 3.10B .90A
2380	1.65	1.80B 1.85B	.95A .95A		1.85+ 1.90+	50 50	.022	_	108 UNCH 351 UNCH	3.15B .95A 3.40 .95A
2385 2390		1.90B	1.00A		1.95+	55	.024		326 UNCH	3.35B 1.00A
2395 2400	1.75	1.95B 2.00B	1.00A *1.00		2.00+ 2.10+	55 60	.026	1090	135 UNCH 1388 + 551	3.50 1.00A 3.50B 1.00
2405 2410	1.15	2.10B 2.15B	*1.05A *1.05A		2.15+ 2.20+	60 65	.027 .028	3	6 UNCH 244 UNCH	3.60B 1.05A 3.70 1.05A
2415 2420		2.20B 2.30B	*1.10A 1.15A		2.30+ 2.35+	70 70	.029		24 UNCH 192 UNCH	3.80B 1.10A 3.90B 1.15A
2425	1 25	2.35B	*1.15A		2.45+	75	.032		40 UNCH	4.05B 1.15A
2430 2435	1.25	2.45B 2.50B	*1.15 1.25A		2.55+ 2.60+	80 80	.034		1290 + 1030 231 UNCH	4.15B 1.15 4.25B 1.25A
2440 2445		2.60B 2.70B	*1.25A 1.30A		2.70+ 2.80+	85 90	.035 .037		90 UNCH 270 UNCH	4.40B 1.25A 4.50B 1.30A
2450 2455	2.65 2.80	2.80B 2.90B	1.35A 1.40A		2.90+ 3.00+	95 100	.039		533 - 5 201 + 150	4.65B 1.35A 4.75B 1.40A
2460	1.95	3.00B 3.15B	1.45A 1.50A		3.10+ 3.20+	100 105		8	255 - 8 170 UNCH	4.90B 1.45A 5.00 1.45A
2465 2470		3.25B	1.55A		3.30+	110	.045		57 UNCH	5.00B 1.50A
2475 2480	2.00	3.35B 3.50B	1.55A 1.60A		3.45+ 3.55+	115 120		18	344 UNCH 106 - 18	5.25B 1.55A 5.50B 1.60A
2485 2490	2.60 3.20	3.60в 3.75в	1.70 1.75A		3.70+ 3.85+	125 130		118 265	189 + 117 492 + 125	5.75 1.65A 5.75B 1.65A
2495 2500	4.30	3.90B 4.40	1.80A 1.85A		4.00+ 4.15+	140 145	.056	15 1355	663 UNCH 724 + 40	6.00B 1.70A 6.75 1.75A
2505	3.75	4.25B 4.45B	1.90A		4.30+	150 155	.062		283 + 20	6.50B 1.80A 6.75B 1.90A
2510 2515	4.85	4.85	2.00A 2.05A		4.45+ 4.65+	160	.067	468	89 UNCH 746 + 151	6.75 1.95A
2520 2525	5.00	4.85B 5.00	2.15A 2.20A		4.85+ 5.00+	170 170		1	164 UNCH 138 + 1	7.00B 2.00A 7.75 2.05A
2530 2535	4.50 4.95	5.25B 5.50B	2.30A 2.40A		5.30+ 5.50+	190 195		2 2	277 UNCH 320 UNCH	7.50 2.15A 8.00B 2.20A
2540 2545	4.80 2.75	5.75B 6.00B	2.50A 2.60A		5.70+ 6.00+	200 215	.005	55 20	127 + 55 65 + 14	8.25B 2.30A 8.50B 2.35A
2550 2555	4.10 4.25	6.25B 6.50B	2.70A 2.80A		6.30+ 6.60+	230 240		226 55	988 + 138 261 UNCH	8.75B 2.45A 9.25B 2.50A
2560	6.50	6.75B	2.90A		6.90+	250	.105	293	470 + 115	9.50B 2.60A
2565 2570	5.50 6.25	7.75 7.50B 8.00B	3.05A 3.20A		7.20+ 7.60+	260 280	.116	143 151	405 + 143 405 + 112	9.50B 2.60A 10.00B 2.65A 10.50B 2.75A
2575 2580	5.75 5.25	8.00B 8.25B	3.35A 3.50A		8 00+	300 310		11 216	486 + 11 438 + 187	11.00 2.85A 11.25B 2.95A
2585 2590	6.50 6.50	8.75B 9.25B	3.65A 3.80A		8.40+ 8.80+ 9.30+	320 350	.136		288 + 52 439 - 6	11.75B 3.00A 12.25 3.10A
2595	7.00 7.75	8.25B 8.75B 9.25B 9.75B 9.75B 10.75B 11.25B 12.00B 13.00 13.25 14.00B 14.75B 15.75B 16.75B 17.75 18.75B 19.75B 21.75 23.00 24.50 26.50B 29.75 29.75B 31.75	4.00A 4.15		9.80+ 10.30+	370 380	.152	71 99	565 - 20	9.50B 2.60A 10.00B 2.65A 10.50B 2.75A 11.00 2.85A 11.25B 2.95A 11.75B 3.00A 12.25 3.10A 12.75 3.20A 13.25B 3.30A
2600 2605	5.75	10.75B	4.40A		10.30+	410	.169	158	403 + 3	14.00B 3.45A
2610 2615	6.75 6.75	11.25B 12.00B	4.60A 4.85A		10.90+ 11.50+ 12.10+ 12.80+	430 460	.188	140 187	466 + 63 215 + 114	14.00B 3.45A 15.00 3.55A 15.25B 3.60A 17.00 3.80A
2620 2625	9.25 7.50	13.00 13.25	5.25A 5.50A		12.80+ 13.50+	490 510		72 333	611 + 16 987 + 222	16./5B 3.90A
2630 2635	8.00 8.50	14.00B 14.75B	5.75A 6.00A		13.50+ 14.30+ 15.10+ 16.00+ 16.90+ 17.90+ 18.90+ 20.00+ 21.20+ 22.40+ 23.80+ 25.20+ 26.70+ 28.30+ 30.00+ 31.80+	550 580	.222	46 71	742 + 7 254 + 19	18. 25 4. 05A 18. 25B 4. 20A 19. 25B 4. 40A 20. 25B 4. 55A 22. 50 4. 75A 22. 25B 5. 00A 23. 25B 5. 25A 25. 50 5. 75A 27. 00B 6. 25A 28. 25B 6. 50A 29. 75B 6. 75A
2640	8.00	15.75B	6.50A		16.00+	620	.248	102	641 + 44 312 + 10	19.25B 4.40A
2645 2650	7.50 12.00	17.75	6.75A 7.25A		17.90+	650 690	.277	367	2249 - 46	20.236 4.33A 22.50 4.75A
2655 2660	10.75 19.50	18.75B 19.75B	7.75A 8.00A		18.90+ 20.00+	730 770		62 92	444 - 35 342 - 24	22.25B 5.00A 23.25B 5.25A 25.50 5.50A 25.50B 5.75A 27.00B 6.25A
2665 2670	17.00 13.00	21.75 23.00	8.75A 9.25A		21.20+ 22.40+	810 850		120 326	405 + 69 785 + 147	25.50 5.50A 25.50B 5.75A
2675 2680	14.00 17.75	24.50	9.75A 10.50A		23.80+	900 940		1246	1689 + 254 261 + 129	27.00B 6.25A
2685	23.75	26.50B	11.00A		26.70+	990	.403	409	376 + 180	28.25B 6.50A 29.75B 6.75A
2690 2695	12.25 14.00	29.75 29.75B	11.75A 12.75A		30.00+	1040 1100	.447	186 272	1398 + 141 395 + 42	31.25B 7.00A 32.75B 7.50A 35.00 8.00A
2700 2705	21.00 16.50	31.75 34.00	13.50A 14.50A		31.80+ 33.70+	1150 1210		1257 127	2450 + 318 376 + 125	35.00 8.00A 37.00 8.50A
2710 2715	29.00 31.25	37.50 37.25B	15.50A 16.50A 17.75A		35.60+ 37.70+	1250 1310		160 60	714 + 3 635 - 28	37.00 8.50A 39.25 8.75A 40.25B 9.50A 42.50B 10.00A 44.50B 10.50A
2720 2725	23.75 28.75	39.75B	17.75A 19.00A		39.90+ 42.30+	1360 1430	.571		1293 + 75 1639 + 254	42.50B 10.00A
2730	30.50	44.50B	20.50A		31. 80+ 33. 70+ 35. 60+ 37. 70+ 39. 90+ 42. 30+ 44. 90+ 47. 70+ 50. 60+ 53. 60+ 56. 80+	1500	.626	171	755 + 25	47.00B 11.25A 49.50B 12.00A 52.00B 12.75A 55.00B 13.75A 57.75B 14.75A
2735 2740	34.00	47.25B 50.25B	22.00A 23.50A		50.60+	1590 1670	.681	3 28	345 UNCH 634 - 4	52.00B 12.75A
2745 2750	38.00	53.25B 56.50B	25.25A 27.25A		53.60+ 56.80+	1750 1820	.708 .735	1 2	326 - 1 1220 UNCH	55.00B 13.75A 57.75B 14.75A
2755 2760	58.25	59.75B 63.25B	29.25A 31.50A		60.10+ 63.60+	1880 1940		12	423 - 4 674 UNCH	
2765 2770		67.00B	34.00A 36.75A		67.20+	1980 2050	.813		743 UNCH 408 UNCH	64.25B 16.75A 70.25 18.00A 71.25B 19.50A
2775		34.00 37.50 37.25B 39.75B 43.00 44.50B 47.25B 50.25B 53.25B 56.50B 67.00B 70.75B 74.75B 74.75B 78.00B #82.25B #86.50B #91.00B 95.50B #100.25B #100.25B	39.50A		60 . 10+ 63 . 60+ 67 . 20+ 71 . 10+ 75 . 00+ 79 . 10+ 83 . 40+ 87 . 70+ 92 . 20+ 96 . 80+	2090	.858	1	577 - 1	75.00B 21.00A
2780 2785	45.25 	#82.25B	42.50A 45.75A		/9.10+ 83.40+	2140 2190	.897		668 UNCH 407 UNCH	75.00B 21.00A 78.75B 22.50A 82.25B 24.25A 86.50B 26.00A 91.00B 28.00 98.75 30.25A
2790 2795		#86.50B #91.00B	49.25A 53.00A 57.00A		87.70+ 92.20+	2210 2240 2270			562 UNCH 137 UNCH	86.50B 26.00A 91.00B 28.00 98.75 30.25A
2800 2805	85.00 	95.50B #100.25R	57.00A 62.00A		96.80+ 101.40+	2270 2280	.940 .950	1	63 - 1 3 UNCH	98.75 30.25A 100.25B 32.50A
2810 2815		#105.00B #109.75B	66.25A 71.75A		101.40+ 106.10+ 110.90+ 115.70+	2290 2310	.960		2 UNCH 4 UNCH	100.25B 32.50A 105.00B 35.00A 109.75B 37.75A
2820		#114.50B	76.25A		115.70+	2310	.973		4 UNCH	114.50B 40.50A
2825 2830		#119.25B #122.00B	81.00A 85.75A		120.60+ 125.40+	2330 2320			8 UNCH 5 UNCH	119.25B 43.50A 122.00B 46.75A
2840 2850		#131.75B #141.75B	96.75A 		125.40+ 135.30+ 145.20+	2340 2340	.988 .991		1 UNCH 1 UNCH	131.75B 53.75A 141.75B 61.50A
TOTAL						. O p		14338	62870 + 6002	
					WK EW-W4 E-MINI S	WP PUTS	FVF	-p VOLUME	0.051:	

STRIKE OPEN RANGE	HIGH	LOW	CLOSING RANGE	SETT.PRICE & PT.CHGE.		DELTA	EXER CISES	VOLUME TRADES CLEARED	INTE	OPEN REST	CONTI	RACT LOW
EOW4 MINI S&P P JUL18 EOW4 MINI S&P P 1425 1500	(FUTURES	SETT00	0) 		UNCH UNCH	.000			15 25	UNCH UNCH	.20 .25в	.20 .15A

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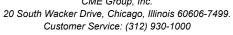




					FINAL			
PG48	BULLETIN #123@			E-	MINI S&P 500 PUT OP	TIONS		Wed, Jun 27, 2018 PG48
1525 1575					.20 .25+	UNCH 5	.001 .001	20 UNCH .25B .15 70 UNCH .40 .15A
1600 1650					.30+ .35+	10 10	.001	148 UNCH .45 .15A 144 UNCH .50 .20A
1675 1700			 .25A		.35+ .40+	10 10	.002	144 UNCH .55 .25A 100 UNCH .60 .25A
1730 1750	0.30	.35B .35B	.30		. 40+ . 45+	10 NEW	.002 1	100 UNCH .55B .25A 1 + 1 .55B .30A
1770 1810		.40B .50B	.30A .35A		.45+ .50+	10 10	.002	100 UNCH .70 .30A 1 UNCH .70B .35A
1820 1870 1880	0.40	.50в .60в .60в	.35A .40A .45A		.55+ .65+ .65+	NEW 15 15	.003 94 .004 .004	94 + 94 .70B .35A 3 UNCH .85B .40A 10 UNCH .90B .40A
1920 1925	0.60	.70в .70в	.50A .50A		.75+ .75+	20 NEW	.005 1	68 UNCH 1.10 .45A 1 + 1 1.05B .45A
1940 1950		.75в .75в	.50A .55A		.80+ .85+	20 25	.005	30 UNCH 1.15B .45A 1 UNCH 1.20B .50A
1990 2000		.90в .95в 1.05в	.60A .65A		1.00+ 1.00+	25 25 25	.007	1 UNCH 1.35B .55A 5 UNCH 1.45B .55A
2030 2040 2050		1.10B 1.10B 1.10B	.70a .70a .75a		1.10+ 1.15+ 1.20+	25 25 25	.008 .008 .009	1 UNCH 1.60B .60A 11 UNCH 1.65B .60A 11 UNCH 1.70B .65A
2060 2075		1.15B 1.25B	.75A .80A		1.20+ 1.30+	25 30	.009	6 UNCH 1.80B .65A 1 UNCH 1.90B .70A
2080 2090		1.25B 1.30B	.80a .85a		1.30+ 1.35+	25 30	.010 .010	2 UNCH 1.95B .70A 1 UNCH 2.00B .75A
2100 2110		1.35B 1.40B	.90A .90A		1.40+ 1.50+	30 35	.011 .012	1750 UNCH 2.10B .70A 10 UNCH 2.15B .80A
2120 2125 2140		1.45B 1.50B 1.55B	.95A .95A 1.00A		1.55+ 1.55+ 1.65+	40 35 40	.012 .012 .013	13 UNCH 2.25B .80A 3 UNCH 2.25B .80A 10 UNCH 2.40B .85
2150 2160		1.65B 1.70B	1.05A 1.10A		1.70+ 1.75+	40 40	.014	2 UNCH 2.50B .90A 2 UNCH 2.60B .90A
2170 2175		1.75B 1.80B	1.10A 1.15A		1.80+ 1.85+	40 40	.015 .015	170 UNCH 2.70B .95A 461 UNCH 2.75B .95A
2180 2190		1.85B 1.90B	1.15A 1.20A		1.90+ 1.95+	45 45	.016 .017	1 UNCH 2.80B .95A 100 UNCH 2.90B 1.00A
2200 2225 2230	1.95 1.50 	2.00B 2.20B 2.25B	1.25A 1.35A 1.40A		2.05+ 2.25+ 2.30+	50 55 55	.018 3 .020 5 .020	392 + 3 3.00B 1.05A 15 + 5 3.30B 1.10A 1 UNCH 3.40B 1.15A
2240 2250	1.75	2.35B 2.35B 2.45B	1.45A 1.50A		2.40+ 2.50+	60 60	.021 7	19 UNCH 3.50B 1.15A 129 UNCH 3.65B 1.20A
2260 2270		2.55B 2.65B	1.55A 1.60A		2.60+ 2.70+	65 65	.024	3 UNCH 3.80B 1.25A 57 UNCH 3.95B 1.30A
2275 2280		2.70B 2.75B	1.65A 1.70A		2.80+ 2.85+	70 75	.026 5	34 UNCH 4.05B 1.35A 35 UNCH 4.15B 1.35A
2290 2300 2305	 2.80	2.90B 3.00B 3.10B	1.75A 1.85A 1.85A		2.95+ 3.10+ 3.15+	75 80 80	.028 .029 .030 100	6 UNCH 4.30B 1.40A 259 UNCH 4.50B 1.45 116 + 100 4.60B 1.50A
2310 2315	3.00	3.15B 3.25B	1.90A 1.95A		3.20+ 3.30+	80 85	.031 100	5 UNCH 4.70B 1.55A 128 + 100 4.80B 1.55A
2320 2325		3.30B 3.40B	2.00A 2.05A		3.35+ 3.45+	85 85	.032 .033	334 UNCH 4.90B 1.60A 101 UNCH 5.00B 1.65A
2330 2335		3.45B 3.55B	2.05A 2.10A		3.55+ 3.60+	90 90	.034	32 UNCH 5.00B 1.65A 1 UNCH 5.00B 1.70A
2340 2345 2350	3.20 3.80	3.65B 3.75B 3.80	2.15A 2.20A 2.25A		3.70+ 3.80+ 3.90+	95 95 100	.036 .037 24 .039 121	7 UNCH 5.25B 1.75A 145 + 24 5.25B 1.75 322 - 5 5.75 1.80A
2355 2360		3.90B 4.00B	2.30A 2.35A		4.00+ 4.10+	105 105	.040041	11 UNCH 5.50B 1.85A 403 UNCH 5.75B 1.90A
2365 2370		4.10B 4.25B	2.40A 2.45A		4.20+ 4.30+	110 115	.042 .043	12 UNCH 5.75B 1.95A 6 UNCH 6.00B 1.95A
2375 2380	2.60	4.35B 4.45B	2.50A 2.55A		4.40+ 4.50+	115 120	.045 .046 71	6 UNCH 6.25B 2.00A 93 + 71 6.25B 2.05A
2385 2390 2395	4.00 3.65 3.50	4.55B 4.70B 4.85B	2.60A 2.65A 2.75A		4.65+ 4.75+ 4.90+	125 125 135	.048 100 .049 5 .051 1	182 + 100 6.50B 2.10A 15 + 5 6.50B 2.15A 91 UNCH 6.75B 2.20A
2400 2405	3.45	4.95B 5.00B	2.75A 2.85A		5.00+ 5.20+	135 145	.052 7 .054 30	189 + 2 7.00B 2.25A 57 UNCH 7.25 2.30
2410 2415		5.25B 5.25B	2.95A 3.00A		5.30+ 5.50+	145 155	.055 7 .058	111 + 6 7.25B 2.40A 71 UNCH 7.50B 2.45A
2420 2425	3.80 3.30	5.50B 5.50B 6.00	3.10A 3.15A		5.60+ 5.80+ 6.00+	155 160 170	.059 10 .061 6 .063 65	50 + 9 7.50B 2.50A 114 + 5 7.75B 2.55A 296 + 5 8.00B 2.65A
2430 2435 2440	3.35 3.50 4.55	6.00B	3.20A 3.35A 3.45A		6.10+	165 175	.063 65 .065 7 .067 13	5/ UNCH 8.25B 2./0A
2445 2450	4.55 3.65 4.55	6.50 6.50B 6.50B	3.45A 3.55A 3.65A		6.30+ 6.50+ 6.60+	180 175	.070 6 .071 34	97 + 6 8.75B 2.85A 91 - 30 8.75B 2.90A
2455 2460	4.05 4.45	6.75B 7.00B	3.75A 3.85A		6.80+ 7.00+	180 190	.074 13 .076 2	56 + 11 9.00B 3.00A 117 UNCH 9.25 3.05A
2465 2470 2475	4.75 4.70 6.75	7.25B 7.50 7.75B	3.95A 4.05A 4.10A		7.30+ 7.50+ 7.70+	200 210 210	.080 4 .082 163 .085 63	221 + 1 9.50B 3.15A 186 + 35 10.50 3.20A 198 + 63 10.25B 3.30A 77 + 10 10.75 3.40A 59 + 32 10.75B 3.45A
2480 2485	4.35 4.45	8.00B 8.50	4.30A 4.35A		8.00+ 8.30+	230 240	.088 10 .092 33	198 + 63 10.25B 3.30A 77 + 10 10.75 3.40A 59 + 32 10.75B 3.45A
2490 2495	4.60 7.25	8.50в 9.25	4.55A 4.70A		8.50+ 8.80+	240 250	.094 11 .098 6	28 + 8 11.00B 3.55A 70 + 1 11.25B 3.65A
2500 2505	5.25 5.75	9.00 9.50 9.75B	4.80A 5.00A		9.10+ 9.40+	260 270	.102 107 .105 68	449 + 2 11.75B 3.70 79 + 66 12.00B 3.80A
2510 2515 2520	6.00 10.00 6.50	10 00	5.25A 5.50A 5.50A		9.70+ 10.00+ 10.30+	280 280 290	.109 147 .113 36 .117 64	102 + 96 12.25B 3.90A 505 UNCH 12.75B 4.00A 369 + 6 13.00B 4.10A
2525 2530	6.75 8.00	10.50B 10.75B 11.25B 11.50B	5.75A 6.00A		10.70+ 11.00+	300 310	.121 140 .126 218	137 + 89 14.25 4.20A 254 + 123 14.25 4.30A
2535 2540	10.00 8.50	11.50B 12.00	6.25A 6.25A		11.40+	320 330	.130 3 .135 14	165 - 1 14.25B 4.45A
2545 2550 2555	6.50 9.50 8.25	11.300 12.25B 12.75B 13.25B 13.75B 14.25B 14.75B 15.25B 15.25B 16.50	6.50 6.75A 7.00A		11.80+ 12.30+ 12.70+ 13.20+	350 360 380	.141 61 .146 147 .152 8	206 UNCH 14.75B 4.55 50 - 2 15.25B 4.70A 379 + 41 15.75B 4.80A 33 + 3 16.25B 4.95A
2560 2565	8.75 8.75	13.75B 14.25B	7.25A 7.50A		13.70+	400 430	.158 223 .165 116	247 + 199 16.75 5.25A
2570 2575	8.50 9.75	14.75B 15.25B	7.75A 8.00A		14.30+ 14.80+ 15.40+ 15.90+	440 460	.171 57 .178 5	208 + 10 17.75B 5.50A 89 - 5 18.25B 5.75A
2580 2585	9.75 10.00	15.75B 16.50	8.25A 8.75A		16.50+	480 500	.184 33 .192 49	59 + 11 19.50B 6.00A
2590 2595 2600	9.75 11.25 10.00	17.00B 17.75B 18.25B	9.00A 9.25A 9.50A		17.10+ 17.80+ 18.50+	510 540 560	.199 44 .207 23 .216 38	90 + 34 20.50 6.25A 56 + 23 20.75B 6.25A 2431 + 9 22.50 6.50
2605 2610	13.75 11.00	19.00в 19.75в	10.00A 10.25A		18.50+ 19.20+ 19.90+	580 600	.224 43	235 - 20 22.25B 6.75A 327 UNCH 23.00B 7.00A 160 + 8 24.00B 7.25A 527 + 28 25.50 7.50A 441 + 188 25.50B 7.75A 326 + 112 26.50B 8.00A
2615 2620	14.75 13.00	20.50B	10.75A 11.25A		20.70+ 21.60+	620 650	.242 24 .252 88	160 + 8 24.00B 7.25A 527 + 28 25.50 7.50A
2625 2630	15.75 21.25	23.25 23.25B	11.75A 12.25A		22.40+ 23.30+ 24.30+	670 690	.262 236 .273 174	441 + 188 25.50B 7.75A 326 + 112 26.50B 8.00A
2635 2640 2645	13.75 15.50 17.75	23.25 23.25B 24.25B 25.25B 26.25B 27.50B	12.75A 13.25A 13.75A		24.30+ 25.30+ 26.40+	720 750 780	.284 232 .295 60 .308 16	457 + 128 27.50 8.25A 314 + 60 28.50B 8.50A 86 + 13 29.50B 8.75A 840 - 31 30.75B 9.25A
2650 2655	17.75 17.75 20.25	27.50B 28.50B	14.25A 15.00A		27.50+ 28.70+	810 850	.320 152 .333 20	840 - 31 30.75B 9.25A 208 - 17 31.75 9.50A
2660 2665	17.25 26.75	28.50B 29.75B 31.00B	15.50A 16.25A		29.90+ 31.20+	880 920	.347 32 .361 2	83 + 10 33.00B 10.00A 204 + 1 34.25B 10.25A
2670 2675	23.00 19.25	32.25B	17.00A 17.75A 18.50A		32.50+ 34.00+	950 1000	.375 6 .390 369	253 + 4 35.50B 10.75A 583 - 40 37.00B 11.25A
2680 2685 2690	  28.25	34.75 35.25B 36.75B 38.25B	18.50A 19.50A 20.50A		35.40+ 37.00+ 38.50+	1030 1070 1100	.406 .422 .439 4	335 UNCH 38.50B 11.50A 106 UNCH 39.75B 12.00A 312 + 2 41.50B 12.50A
2695 2700	28.25 28.50 24.25	40.00B 41.75B	21.25A 22.25A		38.50+ 40.20+ 41.90+	1140 1180	.456 3 .474 556	230 - 3 43.00B 13.25A 1068 + 239 44.75B 13.75A
2705 2710	30.00 44.00	38.25B 40.00B 41.75B 44.25 45.50B	23.50A 24.50A		41.90+ 43.70+ 45.60+	1220 1270	.492 116 .511 663	256 + 19 46.50B 14.50A 1327 + 281 48.25B 15.00A
2715 2720 2725	28.75 35.75 37.75	47.25B 49.25B	25.75A 27.00A 28.50A		47.60+ 49.70+ 51.90+	1310 1370 1430	.530 49 .550 126 .571 17	507 + 22 52.25B 16.50A
2725	37.75	51.50B	28.50A		31.90+	1430	.571 17	265 - 7 54.25B 17.25A

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PG48	BULLETIN #123@			E-MINI S&P 500 PUT OP	TIONS			wed,	Jun	27, 201	8 PG48
2730	38.75	53.75в	30.00A	 54.20+	1490	. 592	 27	141 +	12	56.50в	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	 	ī	UNCH	157.00B	78.00A
2870		#161.75B	127.00A	 165.40+	2330	.981	 	2	UNCH	161.75B	82.00A
TOTAL							5809	27644 +	2439		

2845 2850 2855		#140.00B #144.75B #149.50B	101.75A 106.25A 112.50A		141.00+ 145.90+ 150.70+	2310 2320 2320	.964 .968 .972			3 UNCH 2 UNCH 2 UNCH	140.00B 63.25A 144.75B 66.75A 149.50B 70.50A
2860 2865		#154.50B #157.00B	117.00A 122.00A		155.60+ 160.50+	2330 2330	.977 .980			3 UNCH 1 UNCH	154.50B 74.25A 157.00B 78.00A
2870		#161.75B	127.00A		165.40+	2330	.981		 5809	2 UNCH 27644 + 2439	161.75B 82.00A
TOTAL					E-MINI S&P PUTS				3609	27644 + 2439	
STRIKE EMIŅĮ S&P	OPEN RANGE PUT	HIGH	LOW	CLOSING RANGE	SETT.PRICE & PT.CHGE.		DELTA	EXER CISES	VOLUME TRADES CLEARED	OPEN INTEREST	CONTRACT HIGH LOW
SEP18 1000	EMINI S&P PUT				.10	UNCH	.000			53 UNCH	.45B .10A
1025 1050					.15 .15	UNCH UNCH	.000			835 UNCH 687 UNCH	7.00 .10 6.50B .15
1075	0.15	.15	.15		.15	UNCH	.000		2 63	1197 + 2	7.25B .15A
1100 1125	0.25	.25	.15A 		.20 .25+	UNCH 5	.000			1233 UNCH 432 UNCH	8.75 .15A 9.50 .15
1150 1175	0.30	.30	.20A		.25 .30+	UNCH 5	.001 .001		11 	73 + 11 161 UNCH	10.25 .20A 11.00 .20A
1200 1225			.25A .25A		.35+ .35+	5 5	.001 .001			1155 UNCH 93 UNCH	11.75 .15 12.75 .20A
1250			.30A		.40+	5	.001			440 UNCH	13.00B .25A
1275 1300	0.35	.35	.30A .35A		.45+ .45+	10 5	.001 .001		10 	434 + 8 795 UNCH	14.50 .25A 15.50 .30
1325 1350		.50в	.40A .40A		. 50+ . 55+	5 10	.002 .002			664 UNCH 1837 UNCH	16.75 .30A 17.25B .35
1375	0.60	.60	.45A .50A		.60+	10 5	.002		10 10	1236 + 10 23204 - 10	19.00 .35 20.25 .40
1400 1425	0.65 0.55	.65 .75	.50A		.60+ .65+	5	.002		61	1897 UNCH	21.50 .40
1450 1475	0.60	.75 .70в	.55A .60A		.75+ .80+	10 15	.003		11 5	30432 UNCH 23906 - 5	22.75B .45 24.25B .50
1500 1525		.80B .85B	.65A .70A		.85+ .90+	15 10	.003			2640 UNCH 6659 UNCH	26.00 .50 27.75 .55
1550		.90в	.75A		.95+	10	.004			1297 UNCH	30.00 .55
1575 1600		1.00B 1.05B	.80a .85a		1.05+ 1.10+	15 15	.004 .005			3754 UNCH 3517 UNCH	31.25 .55 33.25в .65
1625 1650		1.15B 1.25B	.95A 1.00A		1.20+ 1.30+	15 20	.005 .006			1884 UNCH 1974 UNCH	35.25 .70 37.25в .80A
1660 1670		1.25B 1.30B	1.00A 1.05A		1.35+ 1.35+	20 15	.006			168 UNCH 1546 UNCH	38.25B .80A 39.00 .80
1675		1.35B	1.05A		1.40+	20	.006			1461 UNCH	40.00 .85A
1680 1690		1.35B 1.40B	1.10A 1.10A		1.40+ 1.50+	20 25	.007 .007			3185 UNCH 420 UNCH	40.00в .85A 41.00в .90A
1700 1710		1.45B 1.50B	1.15A 1.15A		1.55+ 1.60+	25 30	.007			1084 UNCH 1520 UNCH	42.00B .90 43.00 .95A
1720		1.50B	1.20A		1.65+	30 30	.008			1745 UNCH	43.75B .95A
1725 1730	1.85	1.55B 1.85	1.25A 1.25A		1.65+ 1.65+	25	.008		5	1200 - 1	44.25в .95 44.75в .95A
1740 1750	1.80	1.65B 1.80	1.25A 1.30A		1.70+ 1.75+	30 30	.008 .009		30	1461 UNCH 2198 + 25	45.75B 1.00A 48.75 1.00
1760 1770	2.00	1.75B 2.00	1.35A 1.40A		1.85+ 1.90+	35 35	.009		1	1266 UNCH 2221 + 1	48.50 1.05A 48.75B 1.10A
1775	2.00	2.00	1.40A		1.90+	35	.009		1	1576 UNCH	49.50B 1.10
1780 1790	2.00 2.00	2.00 2.00	1.45A 1.45A		1.95+ 2.00+	35 35	.010 .010		1 1	1046 UNCH 1264 UNCH	51.50 1.10A 51.00B 1.15A
1800 1810	2.00 1.55	2.10 2.05B	1.50A 1.55		2.05+ 2.10+	35 35	.010 .011		7 3	2330 + 6 1148 + 3	52.25B 1.20 53.25B 1.20A
1820	2.00	2.10B	1.60A		2.20+	40	.011		1	1867 UNCH	55.00 1.25A
1825 1830	2.00	2.15B 2.20B	1.65A 1.65A		2.25+ 2.25+	40 35	.011 .012		1 1	1605 UNCH 1243 UNCH	58.00 1.25A 55.75B 1.30A
1840 1850	2.00 2.00	2.25B 2.35B	1.70A 1.75A		2.35+ 2.40+	40 40	.012 .012		1 1	1048 UNCH 1393 UNCH	56.75B 1.30A 58.00B 1.35A
1860 1870	2.00 2.00	2.45B 2.80	1.80A 1.85A		2.50+ 2.60+	40 45	.013 .014		1 16	1216 + 1 251 + 1	59.25B 1.40A 60.50B 1.45A
1875	2.75 2.10	2.75 2.60B	1.90A 1.95A		2.65+ 2.70+	45 45	.014		17 1	1094 - 2 800 UNCH	62.00 1.45A 62.75 1.50A
1880 1890	2.20	2.70B	2.00A		2.80+	50	.015		32	1261 + 12	63.00B 1.55A
1900 1910	2.30 2.25	3.05 3.05	2.05A 2.15A		2.85+ 2.95+	50 50	.015 .016		8 21	2456 + 7 917 + 19	64.50B 1.60A 65.75B 1.65A
1920 1925	2.80	3.00B 3.05B	2.20A 2.25A		3.10+ 3.15+	55 60	.017 .017		10 	1236 + 10 840 UNCH	67.00B 1.70A 68.00 1.70A
1930 1940	3.40	3.10B 3.40	2.25A 2.35A		3.20+ 3.30+	60 60	.017 .018		36	1066 UNCH 850 + 11	68.50B 1.75A 69.75B 1.80A
1950		3.35B	2.40A		3.40+	65	.019			1578 UNCH	71.25B 1.85A
1960 1970	2.75 2.85	3.45B 3.55B	2.50A 2.55A		3.50+ 3.65+	65 70	.019 .020		19 54	971 UNCH 516 - 18	72.75B 1.90A 74.25B 1.95A
1975 1980	3.35	3.65B 3.70B	2.60A 2.65A		3.70+ 3.75+	70 70	.021 .021		12	1940 UNCH 652 - 12	75.00B 2.00 75.75B 2.00A
1990 2000	3.05 3.30	4.00 4.25	2.75A 2.80		3.90+ 4.05+	75 80	.022		184 1075	2081 UNCH 5459 + 34	77.25B 2.10A 80.00 2.15A
2010	3.30 3.35	4.20B 4.30B	2.90A 3.00A		4.20+ 4.35+	80 85	.024		12	1660 - 5 1006 - 2	80.25B 2.25A 82.00B 2.30A
2020 2025	4.55	4.55	3.05A		4.40+	85	.025		2	823 + 2	82.75B 2.35A
2030 2040	4.00	4.45B 4.60B	3.10A 3.25A		4.50+ 4.70+	85 95	.026 .027		34 17	2228 UNCH 736 + 17	83.50B 2.40A 85.25B 2.45A
2050 2060	3.80 4.80	4.75B 4.95B	3.35A 3.45A		4.85+ 5.10+	95 105	.028		5 106	1133 - 5 1206 + 101	85.25B 2.45A 86.75B 2.55A 88.75B 2.65A
2070	4.00	5.00в	3.60A		5.30+	110	.030		23	1902 UNCH	90.25B 2.75A
2075 2080	4.20	5.25B 5.25B	3.65A 3.75A		5.30+ 5.40+	105 105	.031		1	1429 UNCH 2596 + 1	91.25B 2.80A 92.25B 2.85A
2090 2100	4.90 4.60	5.75 5.75в	3.85A 4.00A		5.60+ 5.80+	110 115	.033 .034		41 104	497 UNCH 4961 + 15	94.00B 2.90 95.75B 3.05A
2110 2120	6.00 4.85	6.00 6.00B	4.10A 4.30A		6.00+ 6.30+	115 130	.035		500 79	1137 + 126 1455 - 47	97.50B 3.15A 99.50B 3.25A
2125	5.75	6.25	4.35A		6.40+	130	.038		1257	1409 + 774	100.50B 3.35A
2130 2140		6.25B 6.50B	4.45A 4.60A		6.50+ 6.80+	130 140	.038		5	1446 UNCH 5924 UNCH	101.25B 3.40 103.25B 3.50
2150 2160	4.95 7.00	6.75В 7.25	4.80A 5.00A		7.00+	140 140	.042		108 107	5267 UNCH 1113 - 102	105.25B 3.65A 107.00B 3.80A
2170	7.75	7.25B 7.75	5.25A 5.25A		7.20+ 7.50+ 7.60+	140 140	.045		5 500	4416 UNCH 2325 + 217	109.00B 4.00A 110.25B 4.05A
2175 2180	6.00	7.75в	5.50		7.80+	150	.047		138	1764 - 45	111.25B 4.10A
2190 2200	7.50	8.00B 8.50	5.75A 5.75A		8.00+ 8.40+	150 160	.049 .051		310	2019 UNCH 6640 + 6	113.25B 4.30A 115.50B 4.45
2210 2220	8.00 8.00	8.50B 9.00B	6.00A 6.25A		8.70+ 9.10+	160 170	.053		20 11	2794 + 10 1453 UNCH	117.50B 4.60A 119.75B 4.80A
2225	9.25 9.00	9.25 9.25B	6.50		9.30+ 9.40+	180 180	.057		22 89	1412 + 17	122.00 4.85A
2230	5.00	3.438	6.50A		9.40+	100	.058		69	1625 UNCH	122.00B 4.95A
THE THEOD	MATTON CONTAINED	IN THIS REPORT IS C	OMBTI ED EO	D. THE CONVENTEN	CE OF THE HEER AND T	C FURNIT	CUED WITH	IOUT DEC	DONCTOTI T	TV FOR ACCURACY OR	CONTENT. IT IS

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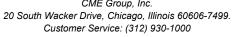
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#### CINIAI

	FINAL	
PG48 BULLETIN #123@	E-MINI S&P 500 PUT OPTIONS	Wed, Jun 27, 2018 PG48
2240 7.00 2250 7.25 2260 8.00 2270 9.75 2280 11.00 2290 2300 10.00 2305 9.75 2310 10.75 2315 13.25 2320 10.50 2330 10.75 2315 13.25 2320 10.50 2330 10.75 2315 13.25 2320 10.50 2330 10.75 2315 13.25 2320 10.50 2350 15.00 2350 15.00 2355 15.25 2360 13.25 2360 13.25 2360 13.25 2360 13.25 2360 13.25 2370 11.75 2380 16.00 2385 13.25 2395 14.50 2400 15.25 2400 15.25 2400 14.25 2410 16.00 2415 15.50 2420 14.25 2420 14.25 2440 15.75 2445 17.50 2450 17.00 2455 16.75 2460 17.00 2455 20.75 2460 17.00 2455 20.75 2460 17.00 2455 20.75 2480 18.25 2485 21.25 2486 21.25 2500 23.50 2510 23.50 2510 23.50 2555 22.00 2536 37.25 2550 23.50 2510 23.50 2525 29.00 2530 24.75 2525 29.00 2530 24.75 2525 29.00 2530 24.75 2525 29.00 2536 37.25 2560 37.25 2660 42.75 2550 35.25 2560 27.00 2565 2577 2575 37.75 2580 35.25 2560 27.00 2665 57.25 2660 42.75 2525 29.00 2665 57.25 2660 42.75 2750 37.75 2580 35.25 2550 2660 42.75 2770 60.75 2775 63.25 2700 60.75 2710 60.75 2750 90.75	### E-MINI S&P 500 PUT OPTIONS    9,758	397 + 3 124.258 5.25 6009 + 12 126.508 5.25A 1855 - 58 129.008 5.50A 658 + 32 131.258 5.75A 1310.258 5.75A 14102 + 26 133.508 6.00A 2728 + 4 136.008 6.25A 11820 - 158 133.508 6.50A 12728 - 124 141.008 6.75A 12819 UNCH 55.508 6.50A 1921 - 124 141.008 6.75A 2187 + 5 143.50B 7.00A 1680 + 10 144.75B 7.00A 1680 + 10 144.75B 7.00A 1680 + 10 144.75B 7.00A 1680 + 10 144.75B 7.00A 1844 + 17 70.75B 7.25 964 + 9 148.75B 7.50A 839 UNCH 73.00B 7.75A 8319 UNCH 73.00B 7.75A 8311 - 15 151.50B 7.75A 8323 + 101 75.00B 8.00A 492 + 9 154.00B 8.00A 492 + 9 154.00B 8.00A 4663 + 6 77.50B 8.25A 2221 + 13 156.75B 8.50A 4686 - 127 158.25B 8.50A 4696 - 20 159.50B 8.75A 404 + 3 44.50B 9.25A 1094 UNCH 162.25B 9.00A 404 + 3 44.50B 9.25A 10678 - 351 165.25B 9.50 344 + 60 87.25B 9.75A 473 + 7 89.75B 10.00A 490 - 14 174.25B 10.75A 372 - 13 95.25B 11.00A 490 - 14 174.25B 10.75A 372 - 13 95.25B 11.00A 490 - 14 174.25B 10.75A 372 - 13 95.25B 11.00A 490 - 14 174.25B 10.75A 372 - 13 95.25B 11.00A 3907 + 64 177.25B 11.25A 819 + 2 98.00B 11.50A 4404 180.25B 11.75A 822 + 1 100.75B 12.25A 334 - 196 109.75B 13.25A 334 - 196 109.75B 13.25A 334 - 196 109.75B 13.50A 4229 + 11 13.00B 13.75A 3421 UNCH 180.25B 11.75A 3229 + 14 130.00B 13.75A 334 - 196 109.75B 13.50A 4244 UNCH 180.25B 11.75A 3249 + 12 28.00B 11.50A 4258 + 1 100.75B 12.00A 430 - 14 177.25B 15.00A 431 - 191 109.75B 13.50A 2429 + 12 205.00B 16.00A 1345 + 70 199.00 14.50 1254 + 42 116.50B 14.75A 2406 + 24 116.50B 17.25 2407 + 24 155.25B 20.75A 2408 + 14 13.00B 14.00A 3911 + 5 134.50B 19.25A 21950 + 13 29.25B 21.75A 2466 - 1 27.55B 22.25B 257.75A 23.25B 20.00A 3448 + 37 29.25B 21.75A 349 - 38 29.25B 21.75A 340 - 23 119.75B 35.50A 344 + 35 29.25B 21.75A 344 + 14 286.00B 31.75A 341 - 14 286.00B 31.75A 344 + 36 28.25B 32.50A 344 + 37 29.75B 36.50A 344 + 38 241.25B 25.00A 345 - 24 25B 27.75A 346 - 24 25B 27.75A 347 - 24 25B 27.75A 348 - 24 25B 27.75A 349 - 24 25B 27.75A 340 - 24 25B 27.75A 341 - 34 28 28 28 28 28 28 28 2
	94. 508 69. 00A 94.80+ 1540 .606 5 97. 00B 70.75A 97.20+ 1560 .619 247 99. 50B 72.75A 99.80+ 1600 .632 10 102.00B 75. 00A 102.40+ 1650 .658 25 104.75B 77. 00A 105.10+ 1650 .658 8 107. 50B 79. 25A 107. 90+ 1680 .671 11 110.25B 81. 50A 110.70+ 1710 .684 7 113. 25B 84. 00A 1113. 60+ 1730 .698 112 116. 25B 86. 25A 119. 60+ 1790 .724 112 122. 50B 91. 50A 122. 80+ 1830 .738 122. 50B 91. 50A 122. 80+ 1830 .738 123. 75B 94. 00A 122. 80+ 1830 .738 123. 25B 99. 75A 129. 30+ 1880 .764 1 132. 25B 99. 75A 129. 30+ 1880 .764 1 139. 50B 102. 50A 136. 30+ 1940 .790 139. 50B 105. 75A 143. 60+ 1990 .802 147. 00B 112. 00A 147. 40+ 2020 .825 19 150. 75B 115. 25A 155. 20+ 155. 20+ 2070 .847 10 158. 50B 122. 25A 155. 20+ 2070 .858 119 166. 75B 129. 75A 155. 20+ 2070 .847 10 188. 50B 122. 25A 155. 20+ 2070 .858 19 150. 75B 115. 25A 167. 50+ 2070 .847 10 188. 50B 122. 75A 155. 20+ 2070 .858 19 150. 75B 115. 25A 167. 50+ 2140 .877 11 179. 50B 141. 50A 166. 50A 176. 00+ 2170 .894 1 179. 50B 141. 50A 184. 90+ 2220 .909 187. 00B 154. 75B .135. 00A 188. 90+ 2220 .909 187. 00B 154. 75B .155. 00+ 2120 .868 1 177. 50B 159. 00A 189. 40+ 2120 .909 .902 187. 00B 154. 75B .155. 00+ 2120 .909 .902 195. 50B .159. 00A 195. 50B .172. 50A 195. 50B .172.	525 - 5 236.00B 50.50A 1740 + 186 306.00B 52.00A 522 UNCH 242.75B 53.50A 1192 - 1 311.75B 53.50A 1192 - 1 311.75B 53.50A 1192 - 1 311.75B 53.52A 2905 + 3 314.50B 56.75 470 UNCH 317.25B 58.50A 271 + 5 256.50B 60.25A 591 + 53 323.00B 61.75 498 + 1 263.25B 63.75 1632 + 70 328.50B 66.00A 267 - 16 336.50B 70.00A 281 UNCH 260.25B 68.00A 267 - 16 336.50B 70.00A 338 UNCH 257.75B 72.25A 568 + 1 345.25B 74.50A 207 UNCH 349.50B 76.75A 128 UNCH 361.00B 81.75A 5 UNCH 261.00B 81.75A 5 UNCH 261.00B 81.75A 279 - 5 363.00B 84.25A 262 UNCH 263.75B 87.00A 936 - 2 372.00B 89.50 6 UNCH 263.75B 87.00A 936 - 2 372.00B 89.50 6 UNCH 361.75B 92.25A 3 UNCH 275.70B 98.25A 3 UNCH 375.00B 98.25A 417 - 1 390.50B 101.25A 11 UNCH 399.75B 107.75A 11 UNCH 291.00B 111.00A 133 UNCH 409.25B 113.75A 3 UNCH 409.25B 113.75A 3 UNCH 499.25B 118.00A 1016 + 1 418.75B 117.50A 98 UNCH 314.50B 133.00A 98 UNCH 442.75B 125.75A

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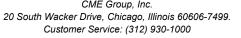




					FINAL						7	
PG48	BULLETIN #123@			Е	E-MINI S&P 500 PUT OP	TIONS			wed,	Jun	27, 2018	B PG48
2930 2940		223.75B 233.50B	188.50A 198.25A		226.80+ 236.40+	2310 2310	.955 .961	 	99	UNCH		134.75A
2950 2960 2970		243.25B 253.00B 259.00B	207.50A 217.25A 227.00A		246.10+ 255.90+ 265.70+	2320 2330 2330	.967 .971 .975	 	134	UNCH UNCH UNCH	466.75B 476.50B 480.75B	
2975 2980		264.75B 269.75B	231.50A 236.75A		270.60+ 275.50+	2330 2330	.977 .978	 	36 1509	UNCH UNCH	483.25В 482.00В	152.50A 155.00A
3010 3020					305.20+ 315.20+	2340 2350	.986 .987	 	10	UNCH		178.50A
3025 3030 3040					320.20+ 325.20+ 335.10+	2350 2360 2350	.988 .988 .990	 	12	UNCH UNCH UNCH		181.75A 184.75A 191.25A
3070 3080					365.10+ 375.10+	2360 2360	.992 .993	 	24 3337	UNCH UNCH	507.75В 393.00В	214.00A 221.25A
3100 3280					395.10+ 575.10+	2360 2360	. 994 . 999	 	25	UNCH	474.00 476.75в	237.25A 462.75A
TOTAL DEC18 1100	EMINI S&P PUT				.55+	10	.001	 34671		5029 UNCH	10.25	.35
1125 1150					.60+ .65+	10 10	.002	 	1372 1919	UNCH UNCH	12.00 12.75	.55 .50a
1175 1200			 .70A		.70+ .80+	10 15 10	.002 .002 .003	 	675	UNCH	13.75 14.75	.55A .50
1225 1250 1275		 .90в	.75A		.85+ .95+ 1.00+	15 15	.003	 	596	UNCH UNCH UNCH	15.75 15.25в 18.25	.65A .65 .75A
1300 1325			.90A 1.00A		1.10+ 1.20+	15 15	.004	 	1625 782	UNCH UNCH	19.75 18.75в	.75 .75
1350 1375	1.45	1.20B 1.45	1.05A 1.15A		1.30+ 1.40+	15 15	.004 .005 .005	 251 100	1018 1486 + 1223 +	UNCH 249 100	22.00	.90 .95
1400 1425 1450	1.55 1.70 1.85	1.55 1.70 1.85	1.25A 1.35A 1.45A		1.55+ 1.70+ 1.85+	20 25 25	.006	 500 100	1340 + 3006 +	488 100	25.00 27.00 28.50	.95 1.05A 1.10
1475 1500	2.00	2.00 2.05B	1.55A 1.70A		2.00+ 2.20+	25 30	.007 .008	 27 	907 + 5909	27 UNCH	30.50 30.25	1.25A 1.35A
1525 1550	2.20	2.20B 2.55	1.80A 1.95A		2.35+ 2.60+	30 40	.009	 28	1916	UNCH	34.25 36.00	1.45A 1.55
1575 1600 1625	2.90	2.70B 3.00 3.20B	2.15A 2.25 2.55A		2.80+ 3.05+ 3.30+	40 45 50	.010 .011 .013	 124 6	7310 -	UNCH 100 UNCH	38.25 40.50 40.00B	1.70A 1.85 2.05A
1650 1675	3.60 3.70	3.60 3.80B	2.75A 2.95A		3.60+ 3.95+	55 65	.014	 3 1	36557	UNCH UNCH	46.25 45.00	2.20A 2.35
1700 1725	3.40	4.15B 4.50B	3.20A 3.40		4.30+ 4.70+	70 80	.017 .018	 244	3028	UNCH	47.50в 52.00	2.55A 2.80A
1750 1775 1780	4.80  	4.90B 5.25B 5.25B	3.80A 4.10A 4.20A		5.10+ 5.50+ 5.60+	90 95 95	.020 .022 .022	 10 		10 UNCH UNCH	56.00 60.75 57.00	3.05A 3.20 3.35A
1790 1800	6.00	6.00 5.75B	4.30A 4.45A		5.80+ 5.90+	100 95	.023	 10	455 -	10 UNCH	60.75 63.00	3.45A 3.50
1810 1820	6.00	6.00B 6.00	4.60A 4.75A		6.10+ 6.30+	100 100	.024	 37	670	UNCH UNCH	60.75в 61.75	3.70A 3.80A
1825 1830 1840	 5.00	6.25B 6.25B 6.50B	4.85A 4.95A 5.00		6.40+ 6.50+ 6.70+	100 100 100	.026 .026 .027	  1	311	UNCH UNCH UNCH	67.00 63.25 64.75B	3.90 3.95 4.10A
1850 1860		6.75B 7.00B	5.50A 5.50A		6.90+ 7.20+	100 110	.028	 	3419	UNCH UNCH	71.00 67.50B	4.20A 4.35A
1870 1875		7.25B 7.50B	5.75A 5.75A		7.40+ 7.50+	110 110	.030	 	1401	UNCH UNCH	68.75в 69.50в	4.50A 4.60A
1880 1890 1900	7.75 8.00	7.50B 7.75 8.00	6.00A 6.25A 6.25A		7.70+ 7.90+ 8.20+	120 110 120	.031 .032 .034	 12 358	795 1078 - 4644 +	UNCH 12 11	75.00 71.75в 75.00	4.60 4.85A 5.00A
1910 1920		8.25B 8.75B	6.50A 6.75A		8.50+ 8.80+	120 120 130	.035	 	215	UNCH UNCH	74.50B 76.00B	5.25A 5.50A
1925 1930	9.00	8.75в 9.00	7.00A 7.00A		8.90+ 9.10+	130 130	.037 .037	 37	428 823	UNCH UNCH	80.50 77.50в	5.50A 5.75A
1940 1950	8.50 	9.25B 10.00	7.25A 7.50A		9.40+ 9.70+	140 140	.039	 200 12		200 UNCH	79.00B 84.00	5.75A 6.00A
1960 1970 1975	8.50 10.50	10.00B 10.25B 10.50	7.75A 8.00A 8.00A		10.10+ 10.40+ 10.60+	150 150 160	.042 .043 .044	 1 2		UNCH UNCH 2	82.50B 84.00B 91.00	6.25A 6.50A 6.50A
1980 1990		10.50в 11.00в	8.25A 8.50A		10.80+ 11.20+	170 180	.045 .046	 	1020 862	UNCH UNCH	97.00 88.00	6.50A 6.75A 7.00A
2000 2010	10.50	11.50 11.75B	8.75A 9.00A		11.60+ 12.00+	190 200	.048	 1044 406	5159 - 652 +	453 130	92.00 90.50B	7.00 7.25A 7.50A
2020 2025 2030	10.25 10.50 	12.25B 12.25B 12.50B	9.50A 9.50A 9.75A		12.40+ 12.60+ 12.80+	210 210 210	.052 .052 .053	 1 6 	846 +	UNCH 6 UNCH	92.25В 93.50В 94.50В	7.75A 7.75A
2040 2050	11.00 11.75	13.00B	10.00A 10.25		13.20+ 13.60+	210 210	.055 .057	 7 20	661 - 3901 +	2 4	96.25в 99.00	8.00A 8.25A 8.75A
2060 2070		13.50B 13.75B 14.25B	10.75A 11.00A 11.25A		14.00+ 14.50+	210 220	.059 .061	 	240	UNCH UNCH 1	100.00B 101.75B	9.00A
2075 2080 2090	12.50  	14.50B 14.75B 15.25B	11.50A 11.75A		14.70+ 15.00+ 15.50+	220 230 240	.062 .063 .065	 		UNCH UNCH	102.75В 103.75В 105.50В	9.00 9.25A 9.50A
2100 2110	15.50 	15.75B 16.25B 17.00B	12.25A 12.75A		16.00+ 16.60+	240 260	.067 .070	 50 	10036 1169	UNCH UNCH	111.00 109.75в	9.75A 10.25A
2120 2125		17.25B	13.00A 13.25A		17.20+ 17.50+	270 270	.072	 	492	UNCH	111.50B 112.75B	10.50A 10.75A
2130 2140 2150	 15.75	17.50B 18.00B 18.75B	13.50A 14.00A 14.50A		17.80+ 18.40+ 19.00+	280 290 290	.075 .078 .080	  205	1165	UNCH UNCH UNCH	116.00B	10.75A 11.25A 11.50
2160 2170		19.25B 20.00B	15.00A 15.50A 15.75A		19.60+ 20.20+ 20.50+	300 300	.083 .086	 	830 524	UNCH UNCH	120.25B	12.00A 12.25A 12.50A
2175 2180		20.25B 20.50B	16.00A		20.90+	300 320	.087	 1	747	UNCH	124.75B	12.75A
2190 2200 2210	21.25	21.25B 22.00B 22.75B	16.50A 17.00A 17.50A		21.50+ 22.20+ 22.90+	320 330 340	.091 .095 .098	 82 	10183 -	UNCH 20 UNCH	129.25B	13.25A 13.50 14.00A
2220 2225	23.50	23.50B 23.75B	18.00A 18.50A		23.60+ 24.00+	340 350	.101 .103	 1	390 831	UNCH UNCH	134.00B 135.25B 136.50B	14.00A 14.50A 14.75
2230 2240	20.75 25.25	24.50 25.25	18.75A 19.25A		24.30+ 25.10+	350 360	.104 .108	 3 4	3006 + 1030 +	1 1	136.50B 139.00B	15.00A 15.50A
2250 2260 2270	21.25 20.25 	26.50 26.75B 27.50B	20.00A 20.25 21.25A		25.90+ 26.80+ 27.70+	370 390 400	.111 .115 .119	 10 2	218 +	UNCH 2 UNCH	141.50B 143.75B 146.50B	16.00 16.50A 16.75
2275 2280		28.00B 28.50B	21.75A 22.00A		28.20+ 28.60+	410 410	.121	 	1071	UNCH UNCH	152.00	17.25A 17.50A
2290 2300	28.50	29.50в 31.00	22.75A 23.50A		29.60+ 30.60+	430 450	.127 .132	 499	7792 +	UNCH 208	157.00	18.00A 18.75A
2310 2320 2325	28.25	31.25B 32.50B 33.00B	24.25A 25.00A 25.50A		31.60+ 32.60+ 33.10+	460 470 470	.136 .140 .143	 321 75	118 266 + 1123 +	UNCH 144 44	156.75B 159.50B 160.75B	19.25A 20.00A 20.25A
2330 2340	28.25 30.00	33.50B 34.50B 36.50	26.00A 26.75A		33.60+ 34.70+	470 480	.145 .150	 1 74	1212 595 +	UNCH 61	162.25В 165.00В	20.50A 21.25A
2350 2360	30.50	36.50 36.75B 38.00B	27.75A 28.50A		35.80+ 36.90+	490 500	.155 .160	 60	5130 + 3925	132 UNCH	167.75B	22.00A 22.75A 23.50A
2370 2375 2380	  37 00	38.00в 38.50в 39.25в	29.50A 30.00A 30.50A		38.10+ 38.70+ 39.40+	510 520 530	.165 .168	  4 1	602 1158 + 612 +	UNCH 4 1	173.50B 181.50 180.00	23.50A 23.75A 24.25A
2380 2390 2400	37.00  37.50	39.25B 40.50B 42.25	30.50A 31.50A 32.50A		39.40+ 40.70+ 42.00+	530 560 570	.170 .176 .182	 1  189		UNCH 34	180.00 179.75B 183.25B	24.25A 25.00A 25.75A
2410 2420	33.75 43.00	44.00 44.75B	33.75 34.75A		43.40+ 44.80+	590 610	.188 .194	 25 400	769 - 992 +	15 105	186.00	26.75A 27.50A 28.00A
2425 2430	37.25 46.50	45.25B 46.50	35.25A 36.00A		45.50+ 46.30+	620 630	.197 .200	 20 20	1645 - 604	20 UNCH	192.25B	28.50A
2440 2450 2460	45.75 	47.50B 49.00B 50.75B	37.25A 38.50A 39.75A		47.80+ 49.30+ 50.90+	650 660 670	.207 .214 .221	  8 	5459	UNCH UNCH UNCH	195.75B 199.75 202.75	29.50A 30.50 31.50
2470 2475	 42.75	52.25в 53.25в	41.00A 41.75A		52.60+ 53.40+	690 700	.228 .231	  24	1682 1707	UNCH UNCH	205.75В 207.00В	32.50
2480 2490	 54.00	54.00B 55.75B	42.50A 43.75A		54.30+ 56.00+	710 720	.235 .243	 2	1789 483 -	UNCH 2	209.00в 212.25в	33.00A 33.75 34.75A
2495		56.75B	44.50A		57.00+	740	.247	 	1	UNCH	58.50B	36.75A

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					FINAL						
PG48	BULLETIN #123@			E	E-MINI S&P 500 PUT OP	TIONS			Wed	, Jun	27, 2018 PG48
2500	52.00	57.50B 59.50B	45.25A 46.75A		57.90+ 59.80+	750 770	.251 .259	 168	18185 - 366	13	222.00 35.50 219.75B 37.25A
2510 2515	60.00	60.50B 61.50B	47.75A 48.50A		60.70+ 61.70+	770 770 780	.263	 835	20 1385 +	UNCH UNCH 835	219.75B 37.25A 62.25B 39.25A 223.25B 38.50A
2520 2525	58.00	62.50B	49.25A		62.70+	790	.267 .271	 278	4847 +	4	225.25B 39.00A
2530 2535	55.25	63.50B 64.50B	50.00A 51.00A		63.70+ 64.70+	800 810	.276	 1	617 14 +	UNCH 1	227.00B 39.75A 66.25B 42.00A
2540 2545	54.25 	65.50B 66.50B 67.50B	51.75A 52.50A		65.70+ 66.80+	820 830	.285	 540 	2881 + 1	492 UNCH	230.75B 41.00A 68.50B 43.50A
2550 2555		68.75B	53.50A 54.50A		67.80+ 68.90+	840 850	.294 .298	 	7023 35	UNCH	234.50B 42.50A 70.50B 44.75A
2560 2565	56.75	69.75B 71.00B	55.25A 56.25A		70.00+ 71.10+	860 870	.303	 20	863 74	UNCH	238.25B 44.00A 72.75B 46.50A
2570 2575	59.25	72.00B 73.25B	57.25A 58.25A		72.20+ 73.40+	880 890	.313 .318	 11	2565 2838 +	UNCH 7	242.25B 45.50A 244.25B 46.25A
2580 2585	65.00 72.50	74.25B 75.50B	59.00A 60.00A		74.60+ 75.80+	910 920	.323 .328	 20 20	1796 + 147 +	20 20	246.00B 47.00A 77.50B 49.50A
2590 2595		76.75В 78.00В 79.25В	61.00A 62.00A		77.00+ 78.20+	930 940	.333	 	545 270	UNCH	250.00B 48.75 80.00B 51.25A 254.00B 50.25A
2600 2605	73.25 67.00	79.25В 80.50В	63.25A 64.25A		79.40+ 80.70+	950 960	. 343 . 349	 146 20	11030 + 80 +	77 20	82.50B 53.25A
2610 2615	67.50 68.25	80.50B 81.75B 83.25B	65.25A 66.50A		82.00+ 83.30+	970 980	.354 .360	 20 31	373 203 +	UNCH 31	258.50B 52.00A 85.00B 55.00A
2620 2625		84.50B 85.75B	67.50A 68.75A		84.60+ 86.00+	990 1010	.365 .371	 	889 731	UNCH UNCH	262.25B 54.00A 264.75B 54.75A
2630 2635		87.25B 88.75B	69.75A 71.00A		87.40+ 88.80+	1020 1040	.377 .383	 	2239 47	UNCH UNCH	266.50B 55.75A 90.50B 59.00A
2640 2645		90.00в 91.50в	72.25A 73.50A		90.20+ 91.60+	1050 1050	.389 .395	 	447 283	UNCH UNCH	271.25B 57.75A 93.50B 61.00A
2650 2655	88.75 	93.00B 94.50B	74.75A 76.00A		93.10+ 94.60+	1070 1080	.401 .407	 25 	12082 31	UNCH UNCH	275.25B 59.75A 96.25B 62.75
2660 2665	83.25	96.00B 97.50B	77.25A 78.50A		96.10+ 97.60+	1090 1100	.413 .420	 1	469 20	UNCH UNCH	279.50B 61.75A 99.50B 65.25A
2670 2675		99.25В 100.75В	79.75A 81.25A		99.20+ 100.80+	1120 1130	.426 .433	 	712 1660	UNCH UNCH	284.50B 64.00A 286.75B 65.25A
2680 2685	97.25 	102.50в 104.00в	82.50A 84.00A		102.40+ 104.10+	1140 1160	.440 .446	 20	1263 51	UNCH UNCH	289.00B 66.25A 106.00B 70.00A
2690 2695	101.75	105.75В 107.50В	85.50A 87.00A		105.80+ 107.50+	1180 1190	.453 .460	 1	920 36	UNCH UNCH	293.25B 68.75A 109.50B 72.50A 297.75B 71.00A
2700 2705	102.50	109.25В 111.00В	88.50A 90.00A		109.30+ 111.00+	1220 1220	.467 .474	 708 	8139 - 24	86 UNCH	113.00B 75.00A
2710 2715	100.25	112.75В 114.75В	91.50A 93.00A		112.90+ 114.70+	1250 1270	.482 .489	  7	886 272	UNCH UNCH	302.50B 73.75A 182.75B 75.00A
2720 2725		116.50в 118.50в	94.50A 96.25A		116.60+ 118.50+	1290 1300	. 496 . 504	 	870 922	UNCH UNCH	307.50B 76.25A 310.00B 77.50A
2730 2735		120.50B 122.00B	98.00A 99.50A		120.50+ 122.50+	1330 1350	.511 .519	 	1405 279	UNCH UNCH	312.50B 79.00A 196.25B 80.50A
2740 2745		124.00в 126.25в	101.25A 103.00A		124.60+ 126.60+	1380 1400	.527 .535	 	2049 160	UNCH UNCH	318.00B 81.75A 199.75B 83.25A
2750 2755	112.00	128.25B 130.50B	104.75A 106.75A		128.70+ 130.90+	1420 1440	.542 .551	 102	1870 - 21	100 UNCH	323.00B 84.75A 132.50B 89.50A
2760 2765		132.50B 134.75B	108.50A 110.50A		133.10+ 135.30+	1460 1480	.559 .567	 	382 8	UNCH	327.75B 88.00A 136.75B 92.75A
2770 2775		137.00B 139.25B	112.25A 114.25A		137.50+ 139.80+	1490 1510	.575	 	464 647	UNCH	333.50B 91.25A 336.00B 92.75A
2780 2785		141.50B 144.00B	116.25A 118.50A		142.10+ 144.50+	1520 1540	. 592 . 600	 	287 54	UNCH UNCH	338.75B 94.50A 172.25B 96.25A
2790 2795		146.25B 148.75B	120.50A 122.50A		146.90+ 149.30+	1550 1560	.609 .617	 	731 79	UNCH	344.00B 98.00A
2800 2810		151.25B 156.50B	124.75A 129.50A		151.90+ 157.10+	1590 1630	.626	 125	2332 - 451	29 UNCH	166.75B 99.75A 349.50B 101.75A 355.25B 105.50A
2815 2820		159.25B 162.00B	131.75A 134.25A		159.70+ 162.50+	1650 1680	.652 .661	 	3 517	UNCH	245.75B 107.50A 361.00B 109.50A
2825 2830		164.75B 167.50B	136.50A 139.00A		165.20+ 168.10+	1690 1720	.670	 	634 423	UNCH	363.75B 111.75A 366.75B 113.75A
2835 2840		170.50B 173.25B	141.50A 144.25A		171.00+ 173.90+	1740 1760	.687	 	12 198	UNCH	172.00B 119.75A 372.50B 118.00A
2845 2850		176.25B 179.25B	146.75A 149.50A		176.90+ 180.00+ 186.30+	1780 1810	.705 .714	 	12 1435	UNCH	208.25B 120.25A 378.75B 122.50A
2860 2870		185.75B	155.00A 160.75A		186.30+ 192.80+	1850 1890	.731	 	215 456	UNCH	385.00B 127.25A
2875 2880		192.25B 195.50B 198.75B	163.50A 166.75A		192 .80+ 196 .10+ 199 .50+ 203 .00+ 206 .50+ 213 .70+ 221 .10+	1910 1930	.757	 	131 125	UNCH	391.25B 132.25A 394.25B 134.75A 397.50B 137.25A
2885 2890		202.25В 205.75В	169.75A		203.00+ 206.50+	1950 1970	.773 .782	 	1 62	UNCH UNCH	203.25B 144.75A
2900 2910	212.25	213.00B 220.50B	172.75A 179.25A 186.00A		213.70+ 221.10+	2000 2030	.798 .814	 1	1078 304	UNCH UNCH	410.75B 145.75A 417.50B 149.75A
2915 2920		224.25B 228.00B	189.50A		224.90+ 228.70+ 232.60+	2050 2060	.822 .829	 	100 283	UNCH UNCH	321.75B 157.25A
2925 2930		232.00B 236.00B	193.00A 196.50A 200.25A		232.60+ 236.50+	2080 2090	.836 .844	 	59 649	UNCH UNCH	427.75B 155.75A 431.25B 158.00A
2940 2950		243.50B 251.75B	207.50A 215.25A		236.50+ 244.60+ 252.80+ 261.30+ 269.90+	2120 2150	.858 .871	 	50 407	UNCH UNCH	438.25B 162.25A 445.00B 166.75A
2960 2970		260.00B 268.75B	223.25A 232.00A		261.30+ 269.90+	2180 2200	.883 .893	 	70 111	UNCH UNCH	451.50B 171.25A 459.00B 176.00A
2975 2980		273.00B 277.25B 284.50B 293.50B	236.25A 240.50A		274.30+ 278.80+ 287.80+ 296.90+ 306.10+	2210 2230	.899 .903	 	108 134	UNCH UNCH	462.75B 178.50A 466.50B 180.75A
2990 3000		284.50B 293.50B	240.50A 248.75A 257.75A		287.80+ 296.90+	2260 2280	.912 .921	 	92 71	UNCH UNCH	474.25B 185.75A 482.00B 191.00A
3010 3025					320.10+	2300 2320	.929 .939	 	1 5	UNCH UNCH	471.25B 196.50A 482.75B 204.75A
3040 3050					334.20+ 343.80+	2320 2340	.948 .953	 	7 250	UNCH UNCH	495.00B 213.25A 503.25B 219.00A
3060 3070					353.40+ 363.00+	2340 2340	.958 .962	 	5 9	UNCH UNCH	512.00B 225.00A 520.50B 231.25A
3075 3080					353.40+ 363.00+ 367.90+ 372.80+	2350 2350	.964 .966	 	5 4	UNCH UNCH	525.00B 234.25A 529.25B 237.50A
3090 3100					382.50+ 392.40+ 402.20+	2350 2360	.970 .972	 	5 21	UNCH UNCH	538.25B 244.00A 547.00B 250.50A
3110 3120					402.20+ 412.10+	2360 2370	.975 .977	 	16 4	UNCH UNCH	556.00B 257.50A 564.50B 264.25A
3125 3150					412.10+ 417.10+ 441.90+	2370 2380	.978 .982	 	1 7	UNCH UNCH	565.50B 268.00A 576.50B 288.25A
TOTAL MAR19	EMINI S&P PUT							8737	342661 +	2304	
1150 1175	1.40	1.40	1.15A		1.15+ 1.25+	10 10	.003	 20	1225 521	UNCH UNCH	4.05 .85A 4.25B .90A
1200 1225					1.40+ 1.55+	15 20	.004 .004	 	435 3	UNCH UNCH	4.70B 1.05A 5.25B 1.15A
1250 1275			1.45A 1.55A		1.70+ 1.85+	20 20	.005 .005	 	500 389	UNCH UNCH	5.75B 1.10 6.25B 1.30A
1300 1325		 2.05в	1.70A 1.85A		2.05+ 2.25+	25 30	.006 .007	 	456 975	UNCH UNCH	4.70B 1.05A 5.25B 1.15A 5.75B 1.10 6.25B 1.30A 6.75B 1.40A 7.50B 1.50A 8.00B 1.65A
1350 1375		2.25B 2.50B	2.05A 2.20A		2.45+ 2.70+	30 35	.007 .008	 	1862 254	UNCH UNCH	0./3B I./3
1400 1425		2.75B 3.00B	2.40A 2.65A		2.95+ 3.25+	35 40	.009 .010	 	885 202	UNCH UNCH	9.50B 1.90 10.25B 2.10A
1450 1475	 	3.30B 3.65B	2.85A 3.15A		3.55+ 3.85+	45 45	.011 .012	 	522 750	UNCH UNCH	11.25B 2.25A 12.00B 2.50A 13.00B 2.75
1500 1525	3.40	4.15в 4.50в	3.40 3.70A		4.20+ 4.60+	45 50	.013 .015	 118	907 4020	UNCH UNCH	
1550 1575		4.95В 5.25В	4.05A 4.45A		5.00+ 5.50+	55 65	.016 .018	 	160 4740	UNCH UNCH	14.00B 2.95A 15.25B 3.20A 16.25B 3.50A 17.50B 3.80A 19.00B 4.10A
1600 1625	5.25	5.75 6.25в	4.80A 5.25A		6.00+ 6.50+	70 70	.019 .021	 11 	382 + 625	1 UNCH	17.50B 3.80A 19.00B 4.10A
1650 1675		6.75B 7.50B	5.75A 6.25A		7.10+ 7.70+	90 90	.023 .025	 	2665 5269	UNCH UNCH	20.25B 4.45A 21.75B 4.90A
1700 1725	8.00	8.50 8.75в	6.75A 7.25A		8.30+ 9.00+ 9.70+	100 110	.027 .029	 21	1152 - 554	10 UNCH	23.50B 5.25A 25.00B 5.75A 27.00B 6.25A
1750 1775		9.50в 10.25в	8.00A 8.50A		10.50+	120 120	.032	 2	393 445	UNCH UNCH	28.75B 6.75A
1800 1825		11.25B 12.00B	9.25A 10.00A		11.40+ 12.30+	130 130	.038 .041	 	2884 5660	UNCH UNCH	31.00B 7.50A 33.25B 8.00A

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PG48	BULLETIN #123@			E	-MINI S&P 500 PUT OP	TIONS		Wed, Jun 27, 2018 PG48
1850		13.00в	10.75A		13.30+	150	.044	2102 UNCH 35.50B 8.75A
1860 1870		13.50B 13.50B 13.75B	11.00A 11.50A		13.30+ 13.70+ 14.10+	160 170	.045	10 UNCH 36.50B 9.00A 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 1890		14.25B 14.75B	11.75A 12.25A		14.50+ 14.90+	180 180	.050	53 UNCH 38.50B 9.50 200 UNCH 39.50B 9.75
1900 1910	13.75	15.25B 15.75B	12.50A 12.75A		15.40+ 15.80+	190 190	.051 8 .053	2629 + 4 40.50B 10.00 170 UNCH 41.50B 10.50A
1920 1925	 14.75	16.00B 16.50B	13.25A 13.25		16.30+ 16.60+	190 190	.054 5	4 UNCH 42.75B 10.75A 1079 + 1 43.25B 11.00A
1930 1940		16.50B 17.00B	13.75A 14.00A		16.80+ 17.30+	190 190	.056 .058	223 UNCH 43.75B 11.00A 409 UNCH 45.00B 11.50A
1950 1960		17.50B 18.00B	14.50A 15.00A		17.80+ 18.30+	200 200	.060 .061	362 UNCH 46.00B 11.75A 125 UNCH 47.25B 12.25A
1970 1975		18.75B 19.00B	15.25A 15.50A		18.90+ 19.20+	210 220	.063	72 UNCH 48.50B 12.50A 4716 UNCH 49.00B 12.75A
1980		19.25B 19.75B	15.75A 16.25A		19.20+ 19.40+ 20.00+	210 220	.065	136 UNCH 49.75B 12.75A
1990 2000	17.75	20.25B	16.75A		20.60+	230	.069 1	1458 - 1 52.25B 13.75A
2010 2020		21.00B 21.50B	17.25A 17.75A		21.20+ 21.80+	240 250	.073	245 UNCH 53.50B 14.00 179 UNCH 55.00B 14.50A 845 UNCH 55.50B 14.75A
2025 2030	18.75 	22.00B 22.25B	18.00A 18.25A		22.10+ 22.50+	250 260	.074 110 .076	176 UNCH 56.25B 14.75A
2040 2050	20.50	22.75B 23.50B	18.75A 19.25A		23.10+ 23.80+	260 280	.078 1 .080	1077 - 1 57.75B 15.25A 2030 UNCH 59.25B 15.75A
2060 2070		24.25B 25.00B	19.75A 20.50A		24.50+ 25.20+	280 290	.083	102 UNCH 60.75B 16.25A 466 UNCH 62.25B 16.75A
2075 2080	22.25	25.25B 25.75B	20.75A 21.00A		25.50+ 25.80+	290 280	.086 .087 128	1569 UNCH 63.00B 17.00A 4000 UNCH 63.75B 17.25A
2090 2100		26.25B 27.00B	21.75A 22.25A		26.60+ 27.30+	300 300	.090 .092	694 UNCH 65.25B 17.50A 3162 UNCH 66.75B 18.00A
2110 2120		27.75B 28.50B	23.00A 23.50A		28.00+ 28.80+	300 310	.095	81 UNCH 68.50B 18.75A 8 UNCH 70.00B 19.25A
2125		29.00B	23.75A		29.20+ 29.60+	310 310	.099 .101	4351 UNCH 71.00B 19.50A
2130 2140		29.50B 30.25B	24.25A 25.00A		30.40+	320	.103	64 UNCH 73.50B 20.25A
2150 2160		31.00B 32.00B	25.50A 26.25A		31.20+ 32.10+	330 340	.106 .109	1828 UNCH 75.25B 20.75A 13 UNCH 77.00B 21.50A
2170 2175	33.75	32.75B 33.75	27.00A 27.50A		33.00+ 33.50+	360 370	.113 1 .114 1	265 UNCH 78.75B 22.00A 621 UNCH 79.75B 22.25A
2180 2190	31.25	33.75B 34.75B	27.75A 28.50A		34.00+ 35.00+	380 400	.116 .119 1	6 UNCH 80.75B 22.50A 350 - 1 82.50B 23.25A
2200 2210	29.50	35.50B 36.50B	29.50 30.25A		35.90+ 36.90+	400 410	.123 21 .126	3321 - 1 84.50B 24.00A
2220 2225		37.50B 38.25B	31.00A 31.50A		37.90+ 38.40+	420 420	.130	869 UNCH 86.50B 24.50A 3 UNCH 88.50B 25.25A 1706 UNCH 89.50B 25.50A
2230 2240		38.75B 39.75B	32.00A 32.75A		38.90+ 39.90+	420 430	.133 1000	1000 + 729 90.50B 26.00A 27 UNCH 92.75B 26.75A
2250 2260		40.75B 42.00B	33.75A 34.75A		41.00+ 42.10+	440 450	.141	4031 UNCH 94.75B 27.50A 2409 UNCH 97.00B 28.25A
2270		43.00B 43.50B	35.50A 36.00A		43.20+ 43.80+	460 470	.148	8 UNCH 99.25B 29.00A
2275 2280		44.25B	36.50A		44.40+	480	.153	134 UNCH 101.50B 29.75A
2290 2300	39.00	45.50B 46.50B	37.50A 38.50A		45.50+ 46.80+	480 500	.161 1	50 UNCH 103.75B 30.50A 2993 - 1 106.25B 31.25A
2310 2320		48.00B 49.25B 49.75B	39.75A 40.75A		48.10+ 49.40+	510 520	.165 .170	80 UNCH 108.50B 32.25A 1 UNCH 111.00B 33.00A
2325 2330		50.50B	41.25A 41.75A		50.10+ 50.80+	530 540	.172 .175	15 UNCH 112.25B 33.50A 473 UNCH 113.50B 34.00A
2340 2350		51.75B 53.25B	43.00A 44.25A		52.10+ 53.60+	540 560	.180 .185	1001 UNCH 116.00B 35.00A 786 UNCH 118.75B 36.00A
2360 2370		54.75B 56.25B	45.50A 46.75A		55.00+ 56.50+	570 590	.190 .195	38 UNCH 121.50B 37.00A 457 UNCH 124.00B 38.00A
2375 2380		57.00B 57.75B	47.25A 48.00A		57.30+ 58.00+	600 600	.197 .200	124 UNCH 125.50B 38.50A 5 UNCH 126.75B 39.00A
2390 2400	 55.00	59.25B 60.75B 62.50B 64.25B	49.25A 50.50A		59.60+	610 630	.205 .211 305	65 UNCH 129.75B 40.00A
2410 2420		62.50B 64.25B	52.00A 53.50A		61.20+ 62.80+ 64.50+	630 650	.217	7227 + 270 132.50B 41.25A 110 UNCH 135.50B 42.25A 34 UNCH 138.50B 43.50A
2425 2430		65.00B	54.25A 55.00A		65.40+ 66.20+	660 660	.226	233 UNCH 140.00B 44.25A
2440		66.00B 67.75B	56.50A		68.00+	680	.235	314 UNCH 144.00B 46.00A
2450 2460		69.50B 71.25B 73.25B	58.00A 59.50A		69.80+ 71.60+ 73.60+	690 700	.247	2423 UNCH 147.25B 47.25A 180 UNCH 150.25B 48.50A 417 UNCH 153.75B 50.00A
2470 2475		74.25B	61.25A 62.00A		74.50+	720 730	.254 .257	426 UNCH 155.25B 50.75A
2480 2490		75.25B 77.25B	62.75A 64.50A		75.50+ 77.50+	740 750	.261 .268	28 UNCH 157.00B 51.25A 353 UNCH 160.50B 52.75A
2500 2510	72.00 	79.25B 81.25B	66.25A 68.00A		79.60+ 81.70+	780 800	.275 65 .282	3257 + 63 164.00B 54.25A 154 UNCH 167.50B 55.75A
2520 2525		81.25B 83.50B 84.50B	70.00A 71.00A		83.90+ 85.00+	820 830	.289 .293	55 UNCH 171.00B 57.25A 464 UNCH 173.00B 58.00A
2530 2540	 79.25	85.75B 88.00B	71.75A 73.75A		86.10+ 88.40+	840 860	.297 5 .305 5	9819 UNCH 174.75B 59.00A 227 - 5 178.50B 60.50A
2550 2560		90.25B	75.75A 78.00A		90.70+ 93.10+	880 900	.313 .321	2399 UNCH 182.25B 62.25A 219 UNCH 186.25B 64.00A
2570 2575		92.75B 95.25B 96.50B	80.00A 81.25A		95.50+ 96.80+	910 920	.329	9 UNCH 190.00B 65.75A 2819 UNCH 192.00B 66.75A
2580 2590		97.75B 100.25B	82.25A 84.50A		98.00+ 100.60+	920 940	.338	350 UNCH 194.00B 67.75A 529 UNCH 198.00B 69.50A
2600 2610	92.75	103.50 105.75B	86.75A 89.25A		103.20+ 105.90+	960 970	.356 64	2385 UNCH 202.00B 71.50A 370 UNCH 206.25B 73.50A
2620 2625		103.50 105.75B 108.50B 110.00B	91.50A 92.75A		108.70+	990 1000	.374	391 UNCH 210.50B 75.50A 840 UNCH 212.75B 76.50A 4403 UNCH 212.75B 76.50A
2630 2640		111.25B 114.25B	94.25A 96.75A		110.10+ 111.50+ 114.50+	1010 1010 1030	.384	4403 UNCH 215.00B 77.75A 1925 UNCH 219.50B 79.75A
2650		114.25B 117.25B 120.50B	96.75A 99.25A 102.00A		114.50+ 117.50+ 120.60+	1030 1050 1070	.404 .414	1667 UNCH 224.00B 82.25A
2660 2670		123.50B	104.75A		123.90+	1100	.425	319 UNCH 233.25B 86.75A
2675 2680		125.25B 126.75B	106.25A 107.75A		125.50+ 127.20+	1110 1130	.436	2639 UNCH 235.75B 88.00A 318 UNCH 238.00B 89.25A
2690 2700		130.25B 133.75B	110.75A 113.75A		130.60+ 134.10+	1150 1180	.447 2	257 UNCH 243.00B 91.75A 2893 + 2 248.00B 94.50A
2710 2720		137.25B 140.75B	116.75A 120.00A		137.80+ 141.50+	1220 1250	.469 .481	56 UNCH 253.00B 97.00A 288 UNCH 258.25B 99.75A
2725 2730		142.75B 144.50B	121.75A 123.25A		143.40+ 145.30+ 149.20+	1270 1280	.487 .493 2	499 UNCH 261.00B 101.25A 850 + 2 263.75B 102.75A
2740 2750		148.50в 152.25в	126.75A 130.25A		149.20+ 153.20+	1320 1360	.505 .518 107	993 UNCH 269.00B 105.75A 1094 + 93 274.50B 108.75A
2760 2770		156.50B	134.00A 137.50A		157.30+	1400 1430	.530 .543	25 UNCH 280.00B 112.00A 105 UNCH 285.25B 115.25A
2775 2780		160.50B 162.75B 165.00B	139.50A 141.50A		161.50+ 163.60+ 165.70+	1440 1440	.549 .556	107 UNCH 288.50B 116.75A 123 UNCH 291.00B 118.50A
2790		169.25B	145.50A		170.10+ 174.70+	1470 1490	.569	142 UNCH 297.25B 122.00A
2800 2810		173.75B 178.50B	149.50A 153.75A		179.40+	1520	.597	772 UNCH 309.25B 129.25A
2820 2825		178.30B 183.50B 186.00B 188.50B 193.75B	158.00A 160.25A		184.30+ 186.80+	1550 1560	.610 .617	6 UNCH 315.25B 133.00A 16 UNCH 319.00B 135.00A
2830 2840		188.50B 193.75B	162.50A 167.00A		189.40+ 194.70+	1580 1630	.624 .638	108 UNCH 322.25B 137.00A 134 UNCH 328.75B 141.25A
2850 2860		199.00B 204.50B	171.75A 176.75A		200.10+ 205.60+	1660 1690	.652 .666	781 UNCH 335.25B 145.50A 1565 UNCH 342.00B 149.75A
2880 2890		216.00B 222.00B	187.25A 192.50A		217.20+	1770 1800	.695 .709	12 UNCH 355.25B 158.75A 21 UNCH 362.75B 163.75A
2900 2940		228.25B 254.75B	198.25A 222.50A		223.30+ 229.50+ 256.10+	1840 1960	.723 .779	832 UNCH 370.00B 168.50A 85 UNCH 374.00B 190.25A
2950 2975		262.00B 280.50B	229.00A 246.25A		263.20+ 281.80+	1980 2050	.792 .824	204 UNCH 373.00B 195.75A 7 UNCH 387.50B 211.50A
3000 3020		300.25B 316.75B	264.50A 280.00A		301.50+ 318.00+	2110 2160	.852	250 UNCH 404.00B 228.00A 1 UNCH 347.25B 242.00A
3050 3225		340.50B	305.00A		343.90+ 511.10+	2220 2380	.901 .976	3 UNCH 370.50B 264.50A 9 UNCH 472.25 472.00
TOTAL					311.10+	2300		167089 + 1136
THE THE	FORMATION CONTAINED IN T	LITE DEDORT TO	COMPTIED FOR	THE COM	(ENTENCE OF THE USER AND	C FURNITCH	ED WITHOUT DECRONGED TO	EOD ACCURACY OF CONTENT IT IS

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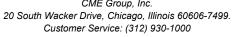
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PG48 E	BULLETIN #123@			E-	-MINI S&P 500 PUT OP	TIONS			Wed,	Jun	27, 2018	3 PG48
PG48 E  JUN19 1225 1375 1500 1525 1550 1575 1600 1625 1650 1675 1700 1775 1800 1775 1800 1775 1800 1775 1800 1775 1800 1775 1800 1775 1800 1925 1850 1940 1950 1960 1975 2000 2110 2210 2220 2225 2300 2310 2210 2220 2225 2300 2330 2350 2370 2370 2370 2370 2375 2390 2400 24400 2450 2450 2460 2475 2480 2550 2570 2575 2590 2600 2675 2770 2770 2770	EMINI S&P PUT 7.50 11.25 11.50 17.25 18.50 22.25 27.50 27.50 45.75 49.00 49.00 49.00 103.50 130.50 130.50 130.50 130.50	2.40B 4.40B 6.75B 7.50 8.00B 8.75B 9.50B 10.25B 11.25 12.00B 13.00B 15.00B 15.00B 15.00B 15.50B 23.00B 21.50B 23.00B 21.50B 23.00B 21.50B 23.00B 24.75B 26.50B 27.25B 28.25B 30.25 36.25B 39.25B 40.25B 44.50B 50.00 51.25B 52.50B 53.25B 56.50B 63.75B 66.75B 66.75B 68.25B 71.75B 68.25B 71.75B 80.50B 80.50B 81.75B 81.75B	2.20A 3.90A 6.00A 6.50A 7.00A 7.50A 8.00 9.00A 9.50A 11.25A 11.25A 11.25A 12.00A 12.75 14.00A 15.00A 16.00A 17.00A 18.25A 19.75A 22.50A 23.00A 24.00A 25.50A 33.25A 33.25A 34.00A 24.75A 45.50A 45.50A 66.550A 67.75A 69.50 73.75A	E		200 400 600 770 800 900 1000 1100 1200 2200 2400 2500 2400 2500 2400 2500 2400 2500 2600 2900 3400 3700 3800 4410 4460 4800 4800 4800 4800 6500 6100 6100 7700 7800 6800 7700 7700 7700 7780 8400 8900 9200 NEW 6800 7700 7700 7780 8400 8900 9200 NEW 6800 7400 7790 8400 8900 9200 NEW 6800 7400 7500 8400 8900 9200 NEW 6800 7500 1000 11000 11000 11000 11000 11000 11000 11000 11370 NEW 13330 NEW 13370	.007 .012 .020 .021 .023 .025 .027 .030 .034 .037 .040 .054 .050 .062 .067 .071 .074 .078 .081 .081 .113 .113 .115 .128 .144 .113 .128 .144 .152 .153 .163 .183 .197 .206 .211 .216 .211 .216 .211 .216 .226 .232 .245 .254 .266 .275 .275 .275 .275 .275 .275 .275 .275	1 1 300 832 1 277 1189 277 1189 1 1 1 1 4 562 1 1 1 1 4 562 1 1 1 1 4 562 1 1 1 1 5 6 2 1 1 1 1 5 6 2 1 1 1 1 5 6 2 1 1 1 1 5 6 2 1 1 1 1 5 6 2 1 1 1 1 5 6 2 1 1 1 1 5 6 2 1 1 1 1 5 6 2 1 1 1 1 5 6 2 1 1 1 1 5 6 2 1 1 1 1 5 6 2 1 1 1 1 5 6 2 1 1 1 1 5 6 2 1 1 1 1 5 6 2 1 1 1 1 5 6 2 1 1 1 1 5 6 2 1 1 1 1 5 6 2 1 1 1 1 1 5 6 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	3 24 1 1 5553	Jun :  UNCH UNCH UNCH UNCH UNCH UNCH UNCH UNCH	3.20 5.00B 7.75B 8.50B 9.00B 9.75B 10.50B 11.50B 12.25B 13.25B 14.25B 15.25B 16.25B 17.50B 13.25B 16.25B 17.50B 23.00B 23.00B 23.00B 24.50B 23.00B 23.00B 24.50B 26.25B 27.25B 28.00B 29.00B 30.00B 32.00B 32.00B 32.00B 32.00B 35.50B 56.25B 56	2.10 3.70A 5.50A 6.00A 6.50A 7.00 7.75A 9.50A 10.25 11.00A 11.75A 12.50A 11.75A 12.50A 13.50A 14.50A 15.50A 17.75A 20.25A 21.75A 20.25A 21.75A 23.25A 23.25A 23.25A 23.25A 23.25A 23.25A 23.25A 24.50A 25.50A 26.50A 27.75A 27.75A 28.00A 38.75A 28.00A 39.50A 40.50A 41.50A
2775 2780 2800 2825	178.50 186.50	187.00B 189.00B 197.50B 209.00B	164.75A 166.75A 174.50A 184.75A		188.50+ 190.60+ 199.20+ 210.70+	1380 1390 1420 1490	.525 .530 .552 .579	 49 4	4551 1 124 + 770 + 1 1	UNCH 49 1 UNCH	189.25B 190.75B 199.50B 210.75B	148.50A 150.00A 157.25A 166.75A
2900 2910 2990		247.75B 253.50B 304.50B	220.25A 225.25A 272.50A		249.60+ 255.30+ 306.40+	1690 1710 1920	.666 .678 .771	 	1 1	UNCH UNCH UNCH	249.00B 254.75B 305.00B	198.75A 203.75A 246.75A
TOTAL EOM EMINI JUN18								4853		4337		
1000 1025 1100					CAB CAB CAB			 	663 6 2	UNCH UNCH UNCH	.15 4.65в 6.00в	.15 .10A .05A
1125 1150 1175					CAB CAB CAB			 	1 8 124	UNCH UNCH UNCH	6.75B 7.25B 8.00B	.05A .05A .05A
1200 1225					CAB CAB			 	10 45	UNCH UNCH	10.00 9.50в	.05A .10A
1250 1275 1300					CAB CAB CAB			 	221 547 130	UNCH UNCH UNCH	11.25 12.00 12.75	.05 .10A .05A
1325 1350 1375					CAB CAB CAB			 	269 679 195	UNCH UNCH UNCH	13.50 14.50 15.50	.05A .05 .05A
1400 1425 1450					CAB CAB CAB			 	447 830 595	UNCH UNCH UNCH	16.50 17.50 18.75	.10A .10A .10A
1475 1500					CAB CAB			 	367 858	UNCH UNCH	20.00 21.25	.10A .10A
1525 1550 1575					CAB CAB CAB			 	430 900 699	UNCH UNCH UNCH	24.00 25.50 25.50B	.10A .10A .10A
1600 1625 1650					CAB CAB CAB			 	2510 1764 2642	UNCH UNCH UNCH	28.50 29.00 30.75B	.10 .05 .10A
1660 1670					CAB CAB			 	106 118	UNCH UNCH	31.50B 32.25B	.15A .15A
1675 1680 1690					CAB CAB CAB			 	998 811 1543	UNCH UNCH UNCH	32.75B 33.00B 33.75B	.15A .05A .10
1700 1710					CAB CAB			 	1940 74	UNCH UNCH	34.75B 35.50B	.10 .05
1720 1725 1730					CAB CAB CAB			 	1558 1485 1546	UNCH UNCH UNCH	36.25B 36.75B 37.00B	.15A .10 .15A
1740 1750 1760					CAB CAB			 	570 711	UNCH UNCH UNCH	38.00B 39.00 39.75B	.15A .15
1770 1775					CAB CAB CAB			 	532 679 511	UNCH UNCH	40.75В 41.00В	.15 .15 .15
1780 1790 1800					CAB CAB CAB			 	1493 726 495	UNCH UNCH UNCH	41.50B 42.50B 43.50B	.20 .15 .05
1810 1820					CAB CAB			 	191 81	UNCH UNCH	44.50B 45.50B	.15 .15
1825 1830 1840					CAB CAB CAB			 	86 60 329	UNCH UNCH	46.00B 46.50B 47.50B	.20A .25A .15
1850 1860 1870					CAB CAB CAB			 	3285 923 162	UNCH UNCH UNCH	48.50в 50.00 50.75в	.05 .10A .10A
1875 1880					CAB CAB			 	503 26	UNCH UNCH	51.25В 51.75В	.10A .10A
1890 1900					CAB CAB			 	369 335	UNCH	53.00B 54.00	.10A .05

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PG48	BULLETIN #123@			E-M	INI S&P 500 PUT OF	PTIONS			wed,	Jun 27, 2018	PG48
1910 1920					CAB CAB			 	818 773	UNCH 55.25B UNCH 56.25B	.10A .10A
1925 1930					CAB CAB			 	280 656	UNCH 57.00B UNCH 57.50B	.15A .10A
1940 1950					CAB CAB			 	943 625	UNCH 61.25 UNCH 60.00B	.15A .05
1960 1970 1975					CAB CAB CAB			 	2821 439 474	UNCH 61.25B UNCH 62.50B UNCH 63.25B	.05 .05 .05
1980 1990					CAB CAB			 	384 194	UNCH 64.00B UNCH 65.25B	.10A .10
2000 2010					CAB CAB			 	2253 503	UNCH 66.50B UNCH 68.00B	.05
2020 2025					CAB CAB			 	875 1173	UNCH 69.25B UNCH 70.00B	.05
2030 2040					CAB CAB			 	1181 1164	UNCH 70.75B UNCH 72.25B	.05 .05
2050 2060					CAB CAB			 	1834 432	UNCH 73.75B UNCH 75.25B	.05
2070 2075					CAB CAB			 	1105 1098	UNCH 76.75B UNCH 77.50B	.10A .10A
2080 2090	  0.05		 .05		CAB CAB			  3	2054 2639 4448 -	UNCH 78.25B UNCH 86.25 2 81.50B	.10A .05 .05
2100 2110 2120	0.03	.05 			CAB CAB CAB			 	599 3165	UNCH 83.00B UNCH 84.75B	.05 .05 .05
2125 2130					CAB CAB			 	2185 3535	UNCH 85.50B UNCH 86.50B	.05
2140 2150					CAB CAB			 	2748 1268	UNCH 88.25B UNCH 90.00B	.05
2160 2170					CAB CAB			 	1983 827	UNCH 91.75B UNCH 93.50B	.10 .15A
2175 2180					CAB CAB			 	2237 1124	UNCH 94.25B UNCH 95.25B	.05
2190 2200					CAB CAB			 	2975 3429	UNCH 98.75 UNCH 99.00B	.05A .05A
2210 2220 2225	  0.05	.05	 *.05		CAB CAB CAB			 900	1142 1778 2296 +	UNCH 101.00B UNCH 103.00B 829 104.00B	.05A .10 .05
2230 2240					.05+ .05+	5		 	552 597	UNCH 105.00B UNCH 107.00B	.10
2250 2260	0.05	.05	.05		.05+	5 5	.000	 1	1593 + 3587	1 109.00B UNCH 111.00B	.05
2270 2275					.05+	5 UNCH	.000	 	1078 1385	UNCH 113.25B UNCH 114.25B	.10A .05
2280 2290	0.10	.10	.05		.05 .05	UNCH UNCH	.000	 2 57	1802 3401 +	UNCH 115.25B 41 117.50B	.05 .05
2300 2305					.05 .05	UNCH UNCH	.000	 	3489 671	UNCH 119.75B UNCH 31.00B	.05 .10A
2310 2315	0.05	.05	*.05		.05	UNCH	.000	 2 10	1058 - 430 -	2 122.00B 10 32.75	.10A .05
2320 2325	0.10 0.05 0.05	.10 .10 .10	.10 *.05 *.05		.05 .05 .10+	UNCH UNCH 5	.000 .000 .000	 796 2790 527	1853 + 3341 + 7084 +	796 124.50B 1791 125.50B 470 126.75B	.10 .05 .05
2330 2335 2340	0.03	.10	*.05A *.05A		.10+ .10 .10	UNCH UNCH	.000	 1512	3218 + 2257	1403 43.25B UNCH 129.00B	.05A .05A
2345 2350	0.05	 .10в	*.05A *.05		.10 .10	UNCH	.000	 40	1043 4552	UNCH 45.00B UNCH 131.25B	.05A .05
2355 2360					.10 .10	UNCH UNCH	.000	 	741 1805	UNCH 46.75B UNCH 134.00B	.10 .10
2365 2370	0.05 0.15	.10в .15	*.05 .10A		.10 .10-	UNCH 5	.000	 200	1140 1760 +	UNCH 48.50B 200 136.50B	.05
2375 2380	0.05  0.10	.15  .15	*.05 .10A		.10- .10-	5 5	.000	 367 1	1605 + 2080	267 137.75B UNCH 139.00B	.05
2385 2390 2395	0.15 0.05	.15 .15	.10 .10A *.05		.10- .15 .15	5 UNCH UNCH	.000 .000 .000	 55 285 163	2062 + 5034 + 1599 +	15 52.50B 231 141.75B 103 54.50B	.10A .10A .05
2400 2405	0.10 0.15	.20 .15	.05 .10A		.20+ .20+	5	.000	 878 203	9550 - 2562 +	103 54.50B 14 144.25B 1 56.75B 500 147.00B	.05 .10A
2410 2415	0.15 0.15	.20 .15	*.10A *.10A		.20+	5 5	.000	 515 65	2408 + 1961 +	500 147.00B 15 59.00B	.10A .10A
2420 2425	0.10 0.15	.10 .20	*.10 *.10A		.20+ .20+	5 5	.000	 2 225	2942 2190 -	15 59.00B UNCH 149.50B 23 151.00B	.10 .10A
2430 2435	0.20 0.10	.20 .15в	*.10A *.10		.20+	5 5	.000	 202	968 + 1595 +	200 152.25B 2 63.75B	.10A .10
2440 2445	0.10 0.10	.20в .20	*.10 *.10		.20+	5 10	.000	 38 231	1821 + 2285 +	38 155.25B 184 66.25B 13 158.25B	.10 .10
2450 2455 2460	0.10 0.20 0.10	.20 .20 .20	*.10 *.10A *.10		.25+ .25+ .25+	10 10 10	.001 .001 .001	 236 414 793	5731 + 3201 + 2804 +	13 158.25B 216 68.75B 295 161.00B	.10 .10A .10
2465 2470	0.25 0.15	.25 .20в	*.10A *.10A		.25+	10 10	.001	 2 26	1546 + 3231 +	2 71.50B 24 164.00B 561 165.50B 317 167.00B UNCH 77.00B	.10A .10A
2475 2480	0.10 0.25	.20B .25	*.10 *.10A		.25+	10 5	.001	 612 606	3497 + 1903 +	561 165.50B 317 167.00B	.10 .10A
2485 2490	0.30 0.15	.30 .20	*.10A *.10A		.25+ .25+	5 5	.001 .001	 2 64	944 1918 +	19 1/0.00B	.10A .10A
2495 2500	0.10 0.20	.25	*.10 *.10		.25+	5 5	.001	 251 2499	3138 + 7256 +	131 80.00B 905 173.25B 20 83.25B	.10 .10
2505 2510 2515	0.10 0.10 0.30	.25 .30 .30	*.10 *.10 *.10		.25+ .25+ .30+	5 5 5	.001 .001 .002	 36 1778 433	2868 - 4238 + 3154 +	1427 176.50B	.10 .10 .10
2520 2525	0.15 0.20	.30 .30B	*.10A *.10		.30+	5 5	.002	 857 867	3771 - 3620 +	137 86.50B 691 179.75B 233 181.50B	.10A .10
2530 2535	0.30 0.15	.30 .30в	*.15A *.15		.30+ .35+	5 10	.002	 325 503	7332 + 1444 +	66 183.00B 482 93.25B	.15A .15
2540 2545	0.30 0.30	.40 .35	*.15A *.15A		.35+ .35+	10 5	.003	 1541 3849	3044 - 3300 +	124 186.50B 2151 96.75B	.15A .15A
2550 2555	0.45 0.30	.45 .45	*.15A *.15		. 40+ . 40+	10 10	.004	 1509 600	7789 + 4971 +	2151 96.75B 479 190.00B 194 100.50B	.15A .15
2560 2565	0.25 0.15	.50 .50в	*.15 *.15 *.15		. 40+ . 45+	10 15	.004	 1470 3631	1717 + 2889 +	74 193.50B 119 104.50B 125 197.00B	.15 .15
2570 2575 2580	0.30 0.30 0.70	.55 .60в .75	*.15 *.15 *.15A		. 45+ . 50+ . 50+	10 15 10	.005 .006 .006	 1069 1947 928	1324 + 6800 + 2775 +	1001 199.00B 236 200.50B	.15 .15 .15A
2585 2590	0.40 0.35	.75 .90	*.15 *.15 *.15		. 55+ . 60+	15 15	.007	 901 2219	2320 + 13161 +	1 112.75B 415 204.25B	.15
2595 2600	0.40 0.45	.95 1.10	*.15 *.10		.65+ .70+	20 20	.009	 1867 5529	2961 + 12363 +	1542 116 75R	.15
2605 2610	0.80 0.65	1.25 1.30в	*.20 *.20		.75+ .85+	20 25	.012	 1421 973	2972 + 2577 -	296 121.25B 231 212.00B	.20
2615 2620	1.00 1.15	1.45B 1.75B	*.20 *.20		.95+ 1.10+	30 40	.017 .021	 2274 1492	3467 + 3787 +	1135 126.00B 140 216.00B	.20 .20
2625 2630	1.30 0.75	2.00B 2.35B	*.25A *.25		1.30+ 1.50+	50 65	.027	 3744 2052	4968 + 5883 +	536 217.75B 844 219.75B	.25A .25
2635 2640	0.80 1.75 1.90	2.70B 3.10B	*.25A *.30A *.30		1.75+ 2.05+ 2.40+	75 95 115	.040 .050	 526 1928 930	3012 - 2693 + 2730 +	57 136.00B 322 224.25B 20 141.25B	.25A .30A
2645 2650 2655	1.90 1.50 2.50	3.55B 4.10B 4.65B	*.30 *.35 *.40A		2.40+ 2.85+ 3.35+	115 140 170	.061 .076 .092	 930 5723 1964	2730 + 8321 + 2377 -	1537 228.50B 62 146.75B	.30 .35 .40A
2660 2665	1.55 2.00	5.25B	*.45 *.55A		3.35+ 3.95+ 4.60+	200 235	.113	 3585 1023	2771 - 2643 -	291 232.75в	.40A .45 .55A
2670 2675	3.15 2.70	6.00B 6.75B 7.75B	*.65A *.80A		5.40+ 6.40+	280 335	.164	 2727 3067	2296 + 5234 -	83 237.25B	.65A .80A
2680 2685	3.45 4.50	8.75B 10.00B	*.90 *1.10		7.40+ 8.70+	390 465	.235 .279	 3139 4045	3299 + 2972 +	834 241.50B 1207 164.25B	.90 1.10
2690 2695	4.90 5.00	11.75 13.00	*1.35 *1.60A		10.00+ 11.60+	530 620	.326 .379	 6308 4288	4526 + 2563 +	1176 170.50B	1.35 1.60A
2700 2705	6.75 7.50 8.00	15.00 16.50	*1.90 *2.30A *2.754		13.30+ 15.30+	710 810	.436 .498	 12431 4664	10132 + 3776 +	1576 250.75B 737 177.00B 1604 255.75B	1.90 2.30A
2710 2715 2720	8.00 10.00 11.75	19.00 22.25 26.00	*2.75A *3.35A 3.95		17.60+ 20.10+ 22.90+	930 1050 1190	.564 .631 .698	 5732 8158 6242	4708 + 2846 + 7895 -	1604 255.75B 571 183.75B 205 260.75B	2.75A 3.35A 3.80A
2725	13.25	28.00	4.80A		26.00+	1330	.762	 2569	2702 +	297 263.25B	4.15A

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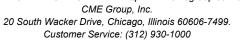
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					FINAL					
PG48	BULLETIN #123@			E-	MINI S&P 500 PUT OP	TIONS			Wed,	Jun 27, 2018 PG48
2730 2735	13.25 26.50	29.75 32.75B	6.00 7.00		29.40+ 33.10+	1470 1620	.821 .872	 4517 2714	3090 + 2406 -	546 265.50B 4.55A 56 195.75B 5.00A
2740 2745	21.50 13.50	39.00 42.25 45.75	8.25 10.00A 12.00		37.10+ 41.40+ 45.90+	1760 1900 2020	.914	 1863 756	3838 + 2084 + 3530 -	233 270.75B 5.50A 24 202.00B 6.25A 377 276.00B 6.75
2750 2755	30.00 42.00 31.00	49.25B 57.00	14.75A 17.50A		43.90+ 50.60+ 55.40+	2120 2120 2200	.967 .980 .988	 750 31 92	1794 - 1505 -	377 276.00B 6.75 3 207.00B 7.50A 16 281.50B 8.50A
2760 2765 2770	27.75 55.00	59.00 63.25B	21.00A 24.75A		60.30+ 65.20+	2260 2260 2290	.994	 55 4	1514 + 1983 +	1 215.00B 9.50A 1 287.25B 10.75A
2775 2780	52.00 41.50	68.25B 73.25B	30.25A 35.50A		70.10+ 75.10+	2310 2320	.999	 12 38	1759 + 6651 -	1 290.00B 12.00A 1 293.00B 13.75A
2785 2790	40.75 77.00	78.25B 81.75B	40.25A 46.75A		80.10+ 85.10+	2330 2340	.999	 2 5	305 - 735 +	1 231.25B 16.25A 2 299.00B 18.50A
2795 2800			50.00A		90.00+ 95.00+	2340 2340	.999	 	812 1025	UNCH 239.50B 21.00A UNCH 305.00B 23.50A
2805 2810					100.00+ 105.00+	2340 2350	.999 1.000	 22	16 634	UNCH 248.25B 26.00A UNCH 311.25B 28.75A
2815 2820					110.00+ 115.00+	2350 2350	1.000 1.000	 	247 93	UNCH 257.00B 31.75A UNCH 317.75B 34.75A
2825 2830					120.00+ 125.00+	2350 2350	1.000 1.000	 	204 225	UNCH 321.25B 38.25A UNCH 324.50B 41.75A
2835 2840					130.00+ 135.00+	2350 2350	1.000 1.000	 	1 101	UNCH 274.75B 45.50A UNCH 331.25B 49.50A
2850 2860					145.00+ 155.00+	2355 2355	1.000	 	376 222	UNCH 338.25B 58.50A UNCH 345.00B 67.50A
2870 2875					164.95+ 169.95+ 174.95+	2350 2350 2350	1.000 1.000 1.000	 	79 30 174	UNCH 352.25B 78.25A UNCH 356.00B 80.50A UNCH 359.75B 82.25A
2880 2890 2900					184.95+ 194.95+	2350 2350 2350	1.000 1.000	 	73 36	UNCH 367.50B 86.00A UNCH 375.25B 90.00A
2910 2920					204.95+ 214.95+	2350 2350	1.000	 	2	UNCH 383.25B 94.25A UNCH 391.25B 98.75A
2925 2930					219.95+ 224.95+	2350 2350	1.000 1.000	 	30 10	UNCH 395.25B 101.00A UNCH 399.50B 103.25A
2940 2950					234.95+ 244.95+	2350 2350	1.000 1.000	 	5 1	UNCH 407.75B 108.25A UNCH 416.25B 113.50A
2960 2970					254.95+ 264.95+	2350 2350	1.000 1.000	 	6	UNCH 411.25B 119.00A UNCH 420.00B 124.75A
2975 2980					269.95+ 274.95+	2350 2350	1.000	 	2 1	UNCH 424.50B 127.75A UNCH 428.75B 130.75A
2990 3000					284.95+ 294.95+	2350 2350	1.000	 	662 1	UNCH 437.75B 137.00A UNCH 444.25B 143.25A
3010 3020 3025					304.95+ 314.95+ 319.95+	2350 2350 2350	1.000 1.000 1.000	 	1 58 2	UNCH 447.50B 150.00A UNCH 377.25B 157.00A UNCH 382.00B 160.75A
3030 3060					324.95+ 354.95+	2350 2350 2350	1.000 1.000	 	1 1	UNCH 387.00B 164.25A UNCH 416.50B 191.50A
3070 3075					364.95+ 369.95+	2350 2350	1.000	 	2 2	UNCH 426.50B 199.50A UNCH 431.50B 203.75A
3080 3090					374.95+ 384.95+	2350 2350	1.000	 	1 1	UNCH 436.25B 208.00A UNCH 446.25B 216.50A
3100 3120					394.95+ 414.95+	2355 2355	$1.000 \\ 1.000$	 	1 1	UNCH 456.25B 223.75A UNCH 373.25B 243.00A
3125 3140					419.95+ 434.95+	2355 2355	1.000 1.000	 	1 1	UNCH 378.25B 247.50A UNCH 392.50B 322.00A
3150 3160					444.95+ 454.95+	2355 2355	1.000 1.000	 	1 4	UNCH 402.50B 331.50A UNCH 412.25B 341.25A
3170 3175					464.95+ 469.95+	2355 2355	1.000	 	1 22	UNCH 422.00B 351.00A UNCH 564.25B 355.75A
3180 3200					474.95+ 494.90+ 554.90+	2355 2350 2350	1.000 1.000 1.000	 	1 1 2	UNCH 431.75B 360.75A UNCH 451.50B 380.25A UNCH 510.75B 439.00A
3260 3270 3275					564.90+ 569.90+	2350 2350 2350	1.000 1.000	 	2 1	UNCH 658.50B 448.75A UNCH 525.50B 453.50A
3280 3290					574.90+ 584.90+	2350 2350	1.000	 	2 1	UNCH 530.50B 458.50A UNCH 540.25B 468.25A
3300 3320					594.90+ 614.90+	2350 2350	1.000	 	204 1	UNCH 550.25B 478.25A UNCH 683.75B 497.75A
3325 4000					619.90+ 1294.80+	2350 2355	1.000 1.000	 	1 5	UNCH 575.00B 502.75A UNCH
TOTAL	EOM EMINI S&P P						200	149303	451497 +	32890
1000 1025			 *.05A		.05	UNCH	.000	 	30 240	UNCH10A UNCH 4.95B .10A
1075 1100 1125			.05A *.05A		.05- .05- .05-	5 5 5	.000 .000 .000	 	96 136 13	UNCH 6.00B .05A UNCH 6.50B .05 UNCH 7.25B .05A
1150 1175			*.05A		.05- .05-	5	.000	 	30 106	UNCH 8.00B .05A UNCH 8.50B .05
1200 1225			 .10A		.10 .10-	UNCH 5	.000	 	3 119	UNCH 9.25B .05 UNCH 10.25B .05
1250 1275			.10A .10A		.10- .10-	5 5	.000	 	47 110	UNCH 11.00B .10A UNCH 12.00B .10A
1300 1325			.10A 		.10- .15	5 UNCH	.000	 	350 531	UNCH 13.00B .10A UNCH 14.00B .10A
1350 1375					.15 .15	UNCH	.000	 	257 852	UNCH 15.00B .10A UNCH 16.25B .20A
1400 1425					.20+ .20+	5 5 5	.000 .001 .001	 	370 406 154	UNCH 17.25B .15A UNCH 18.50B .15A UNCH 20.00B .15A
1450 1475 1500			 .15A		.20+ .25+ .25+	10 5	.001	 	138 517	UNCH 20.00B .15A UNCH 21.25B .15 UNCH 22.75B .15A
1525 1550	0.20	.20	.20		.30+	10 10	.001	 120	502 + 116	120 24.25B .15 UNCH 26.00B .15A
1575 1600			.20A		.30+ .35+	10 10	.001 .001	 	394 561	UNCH 27.50B .15A UNCH 29.25B .15
1625 1650			.25A		.35+ .40+	10 10	.001	 	134 1982	UNCH 31.25B .25 UNCH 33.00B .25
1660 1670			.25A .25A		. 40+ . 40+	10 10	.002	 	615 215	UNCH 33.75B .25 UNCH 34.75B .25A
1675 1680 1690		.35B .35B	.25A 		. 40+ . 45+	10 15 10	.002	 	184 65 443	UNCH 35.00B .25A UNCH 35.50B .25A UNCH 36.25B .25A
1700 1710		 .40B	.30A .30A .30A		. 45+ . 45+ . 50+	10 10 15	.002 .002 .002	 	684 84	UNCH 36.25B .25A UNCH 37.25B .25A UNCH 38.00B .30A
1720 1725		.40B .40B	.30A .30A		.50+ .50+	15 15	.002	 	49 128	UNCH 39.00B .30A UNCH 39.25B .30A
1730 1740		.40B	.30A .30A		.50+	15 20	.003	 	213 253	UNCH 39.75B .30A UNCH 40.75B .30A
1750 1760	0.30	.45B .45B	.30 .35A		.55+ .55+	15 15	.003	 14 	84 5	UNCH 41.75B .30A UNCH 42.50B .30A
1770 1775		.45в .50в	.35A .35A		.55+ .55+	15 15	.003	 	20 15	UNCH 43.50B .35A UNCH 45.00 .35A
1780 1790		.50в .50в	.35A .35A		.55+ .60+	15 15	.003	 	241 616	UNCH 44.50B .35A UNCH 45.50B .35A
1800 1810	0.60	.60 .55B	.40A .40A		.60+ .60+	15 15	.003	 	668 + 54	1 46.50B .35A UNCH 47.50B .35A
1820 1825		. 55B . 60B	.40A .40A		.65+ .65+	15 15 15	.004	 	175 158 40	UNCH 48.75B .35A UNCH 49.25B .40A UNCH 49.75B .40A
1830 1840 1850	 0.50	.60в .60в .65в	.40A .45A .45A		.65+ .65+ .70+	15 15 15	.004 .004 .004	  1	40 906 613	UNCH 49.75B .40A UNCH 50.75B .40A UNCH 55.00 .40A
1860 1860 1870	0.30 	.65B .70B	.45A .45A .50A		.70+ .70+ .75+	15 15 15	.004	 	155 106	UNCH 53.00 .40A UNCH 53.00B .40A UNCH 54.25B .45A
1875 1880		.70B .70B .70B	.50A .50A		.75+ .75+	15 15	.005	 	203 169	UNCH 54.75B .45A UNCH 55.25B .45A
1890 1900	0.45	.75В .75В	.50A .45		.80+ .85+	15 20	.005	  27	234 710 +	UNCH 56.25B .45A 1 60.00 .45A
1910 1920		.80в .80в	.55A .55A		.85+ .90+	15 20	.005 .006	 	151 588	UNCH 59.00B .50A UNCH 60.25B .50A
1925 1930		.85B .85B	.55A .55A		.90+ .95+	20 25	.006	 	154 82	UNCH 60.75B .50A UNCH 61.50B .50A
1940		.90в	.60A		.95+	20	.006	 	134	UNCH 62.50B .50A

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					FINAL				•	
PG48	BULLETIN #123@			E-	-MINI S&P 500 PUT O	PTIONS			Wed, Jun 27, 2018	PG48
1950 1960		.90в .95в	.60A .65A		1.00+ 1.05+	25 25	.007			. 55A . 55A
1970 1975		1.00B 1.00B	.65A .65A		1.10+ 1.10+	30 25	.007		123 UNCH 66.75B .	.55A .60A
1980 1990		1.05B 1.05B	.70A .70A		1.10+ 1.15+	25 30			105 UNCH 68.25B .	.60a .60a
2000 2010	0.95	1.10B 1.15B	.70A .75A		1.20+ 1.25+	30 30			33 UNCH 72.25B .	. 55 . 65a
2020 2025		1.20B 1.20B	.75A .80A		1.25+ 1.30+	30 35	.009	1	214 + 1 74.50B .	.65a .65a
2030 2040	1.05	1.25B 1.25B	.80a .80a		1.30+ 1.35+	30 35	.010		70 UNCH 77.00B .	.70a .70a
2050 2060	1.25	1.30B 1.35B	.85A .90A		1.40+ 1.45+	35 35	.011		314 UNCH 80.00 .	.70A .75A
2070 2075		1.40B 1.45B	.90A .95A		1.50+ 1.50+	40 35	.011		37 UNCH 82.50B .	.75A .80A
2080 2090 2100	1.60	1.45B 1.55B 1.65	.95A 1.00A 1.00		1.55+ 1.60+ 1.65+	40 40 40	.012		9 UNCH 85.00B .	. 80a . 80a . 85
2110 2110 2120		1.65B 1.70B	1.05A 1.10A		1.70+ 1.80+	40 45	.013		57 UNCH 88.25B .	.90A .90A
2125 2130	1.50	1.75B 1.75B 1.75B	1.10A 1.10A 1.15A		1.80+ 1.85+	45 45	.014	59	113 + 50 90.75B .	.95A .95A
2140 2150	 1.75	1.85B 1.90B	1.15A 1.20A		1.90+ 2.00+	45 50			219 UNCH 93.50B 1	L.00A L.00A
2160 2170	1.75	1.95B 2.10	1.25A 1.30A		2.05+ 2.15+	50 55			261 UNCH 97.00B 1	L.05A L.05A
2175 2180	1.75	2.10B 2.10B	1.35A 1.35A		2.20+ 2.25+	55 60	.018	272	892 + 254 100.00B 1	L.10A L.10A
2190 2200	2.05	2.20B 2.30B	1.40A 1.40		2.30+ 2.40+	55 60	.019 .020		755 + 11 105.00B 1	L.15A L.20
2210 2220	2.40	2.40B 2.50B	1.50A 1.55A		2.45+ 2.55+	60 60	.022	71	284 - 27 109.00B 1	L.25A L.25A
2225 2230		2.55B 2.60B	1.60A 1.65A		2.60+ 2.65+	60 60	.023		330 UNCH 111.00B 1	L.30A L.30A
2240 2250	2.00	2.70B 2.80B	1.70A 1.75A		2.75+ 2.85+	65 65		101 1	348 - 1 115.25B 1	L.35A L.40A
2260 2270 2275	2.25 1.90 	2.90B 3.05B 3.15B	1.80A 1.90 1.90A		2.95+ 3.10+ 3.15+	65 75 75		306	398 + 60 119.75B 1	L.45A L.50A L.55A
2280 2290	2.40	3.20B 3.35B	1.95A 2.05A		3.13+ 3.25+ 3.35+	80 80	.026	5	613 + 5 121.75B 1	L.60A L.65A
2300 2305	3.60	3.60 3.55B	2.10A 2.15A		3.55+ 3.60+	85 85	.033	70 2	116 + 60 126.50B 1	L.70A L.75A
2310 2315	2.20	3.65B 3.75B	2.20A 2.20		3.70+ 3.80+	90 95			429 UNCH 129.00B 1	L.80A L.80A
2320 2325	3.00 2.85	3.85B 3.90B	2.30A 2.35		3.90+ 4.00+	95 100	.036	18	188 - 15 131.25B 1	L.85A L.90A
2330 2335	2.85	4.00B 4.10B	2.40A 2.40		4.10+ 4.20+	105 105	.039	2	181 - 2 133.50B 1	L.95A 2.00A
2340 2345	3.45 2.50	4.20B 4.30B	2.50A 2.50		4.30+ 4.40+	110 115	.041 .042	11	120 - 1 56.00B 2	2.00A 2.05A
2350 2355	2.70 3.15	4.45B 4.55B	2.60 2.65A		4.55+ 4.65+	120 125	.045	25	320 - 25 58.00B 2	2.10A 2.15A
2360 2365	3.10	4.65B 4.80B	2.70A 2.80A		4.80+ 4.95+	135 140	.046 .048	2	740 - 2 60.00B 2	2.20A 2.25A
2370 2375	3.45	4.90B 5.00B	2.85A 2.90A		5.10+ 5.20+	150 150	.049	56 1	146 + 40 145.00B 2	2.30A 2.35A
2380 2385		5.00B 5.25B	2.95A 3.05A		5.40+ 5.50+	160 160			155 UNCH 64.50B 2	2.40A 2.45A
2390 2395	3.20  4.50	5.50 5.50B 6.00	3.10A 3.20A 3.25		5.70+ 5.80+ 5.90+	170 170 165	.037		181 UNCH 66.75B 2	2.50A 2.60A 2.60
2400 2405 2410	3.75 5.25	5.75B 6.00B	3.35A 3.45A		6.10+ 6.20+	175 170	.060	16	336 - 15 69.00B 2	2.70A 2.75A
2415 2420	3.75	6.25B 6.50B	3.55A 3.60A		6.40+ 6.60+	175 180	.064	1	151 UNCH 71 25R 2	2.80A
2425 2430	4.00 4.00	7.00 6.75B	3.70A 3.80A		6.70+ 6.90+	175 180	.068	6	186 UNCH 157.25B 2 580 + 1 158.75B 2 612 + 75 160.25B 3 385 + 10 76.50B 3	2.90A 2.95A 3.00A
2435 2440	4.05 6.75	7.00B	3.90A 4.00A		7.10+	190 190	.072	31	385 + 10 76.50B 3 138 + 1 163.25B 3	3.10A
2445 2450	4.55	7.25B 7.50B 7.75	4.10A 4.25A		7.30+ 7.50+ 7.70+	200 200	.077	5	.501 - 381 166.00B 3	3.15A 3.25A 3.30A
2455 2460		8.00B 8.25B	4.35A 4.45A		8.00+ 8.30+	220 230	.085		461 UNCH 81.75B 3 362 UNCH 169.00B 3	3.40A 3.45A
2465 2470	8.00	8.50B 8.75B	4.60A 4.75A		8.50+ 8.80+	240 250	.088 .091	2	641 - 2 172.25B 3	3.55A 3.65A
2475 2480	5.00 5.75	9.00B 9.50	4.85A 5.00A		9.00+ 9.30+	250 270		301	869 + 5 173.75B 3 784 + 18 175.25B 3	3.75A 3.80A
2485 2490	6.00 6.00	9.50 9.75B	5.25A 5.50		9.50+ 9.80+	270 280	.103	2	497 + 201 90.758 3	3.90A 1.00A 1.10A
2495 2500 2505	8.75 8.25	9.75B 10.00B 10.50B 10.75B 11.00B	5.50A 5.75A 6.00A		10.10+ 10.40+	290 290 300			652 + 356 181.75B 4	1.10A 1.15 1.30A
2510 2515	6.25 6.75	11.00B	6.00A 6.25A		10.80+ 11.20+ 11.50+	310 320	.119	226	485 + 196 185.00B 4	1.40A 1.50A
2520 2525	11.25 10.00	11.50B 11.75B 13.00	6.50A 6.75A		11.90+	340 350	.127	50	536 UNCH 188.25B 4	1.65A
2530 2535	7.25 11.25	13.00 12.50B 13.00B	7.00A 7.00A		12.30+ 12.70+ 13.10+	360 370		208	359 UNCH 106.75B 5	1.75A 1.90A 5.25A
2540 2545	9.25 14.00	13.50B 14.00 15.00	7.25A 7.50A		13.60+ 14.00+	390 400	.147 .152	5	869 + 48 195.00B 5 285 + 5 110.75B 5	5.25A 5.50A
2550 2555	14.00 15.00		7.75A 8.00A		14.50+ 15.00+	410 430	.163	61	292 + 141 198.50B 5 322 + 51 114.25B 5	5.50A 5.75A
2560 2565	10.25 9.00	15.50 15.50 15.75B 16.50B 17.00 17.50B 18.25B	8.25A 8.75A		15.50+ 16.00+	450 460	.175	137	579 + 91 202.25B 5 216 + 32 118.25B 6	.75A .00A
2570 2575	9.25 15.75	16.50B 17.00	9.00A 9.25A		16.50+ 17.10+ 17.70+ 18.30+	480 500	.188	55	216 + 32 118.25B 6 630 + 86 205.75B 6 958 + 11 207.50B 6 662 + 73 209.50B 6	5.25A 5.25A
2580 2585	15.50 12.25 10.75	18.25B	9.50A 10.00A		18.30+	520 530 550	.194 .202	8 1	Z15 +	5.50A 5.75A
2590 2595 2600	11.75 11.75 16.25	18.75B 19.50B 20.50	10.25A 10.75A 11.00A		19.00+ 19.70+ 20.50+	570 590	.217	27	918 + 1 213.25B 7 705 - 19 130.25B 7 174 + 852 217.00B 7	7.00A 7.25A 7.25A
2600 2605 2610	10.25 12.50 20.50	21.00B 21.75B	11.50A 11.50A 11.75A		19.00+ 19.70+ 20.50+ 21.20+ 22.00+	610 630	.234 1	56 1	938 - 19 134.75B 7 869 + 2 221.00B 7	7.50A 7.75A
2615 2620	13.00 14.75	22.50B 23.50B	12.25A 12.75A		22.80+ 23.60+	650 680	.252	12	893 ± 7 139 25₽ 8	3.00A 3.25A
2625 2630	14.50 22.50	24.25B 25.25B 26.25B	13.25A 13.75A		24.50+ 25.40+ 26.40+	700 730	.271	472 6	517 + 32 225.00B 8 760 + 5 227.25B 8 726 + 119 229.25B 9 379 + 11 148.75B 9	3.75A 9.00A
2635 2640	15.75 16.25	26.25B 27.25B	14.25A 14.75A 15.50A		26.40+ 27.40+	760 790	.292 .303	53 33	379 + 11 148.75B 9 586 + 3 233.25B 9	9.25A 9.50A
2645 2650	19.00 22.75	27.25B 28.25B 30.50 30.75B	16.00A		27.40+ 28.50+ 29.60+	820 850	.315	69 879 20	431 - 9 153.75B 1 542 + 5781 237.50B 1	LO.00A LO.25A
2655 2660	20.50 19.25	32.00B	16.75A 17.50A		30.80+ 32.10+	890 930	.340 .353	119 48	/39 + 9 159.00B 1 436 + 42 241.75B 1	LO.75A L1.00A
2665 2670	21.00 24.75	33.25B 34.50B	18.00A 18.75A		33.40+ 34.80+	960 1000	.366 .380	1	330 UNCH 246.25B 1	L1.50A L2.00A
2675 2680	22.25 27.50	36.00B 39.00	19.75A 20.50A		36.20+ 37.70+ 39.20+	1030 1070		272	729 + 3 248.50B 1 525 + 188 250.50B 1	L2.50A L2.75A
2685 2690	30.75	30 NNR	21.25A 22.25A		39.20+ 40.70+	1100 1130			862 + 2 175.75B 1	L3.50A L4.00A
2695 2700	24.50 25.50	40.50B 42.00B 44.25 45.50B 47.50	23.25A 24.25A		40.70+ 42.30+ 44.00+	1160 1200		985 4	274 + 21 260.00B 1	L4.50A L5.25
2705 2710 2715	32.50 29.75	45.50B 47.50	25.25A 26.50A		45.80+ 47.70+	1240 1280	.492 .510	33 1	197 UNCH 187.75B 1 006 + 15 264.75B 1 728 + 1 194.00B 1	L5./5A L6.50A
2715 2720 2725	43.50 39.00 39.25	49.25B 51.25B	27.75A 29.00A 30.25A		49.70+ 51.80+ 53.90+	1330 1390 1440	.528 .547 .567	10 6	851 UNCH 269.75B 1	L7.25A L8.00A L8.75A
2730 2735	39.00 39.00	53.50B 55.75B 58.00B	31.75A 33.25A		53.90+ 56.20+ 58.60+	1500 1550	.587	49	512 - 2 207.25B 2	L8.75A L9.75A 20.75A
2740 2745	39.75	60.50B 63.25B	35.00A 36.75A		61.10+ 63.80+	1590 1650	.627	13	296 + 13 279.75B 2 622 UNCH 214.00B 2	21.75A 22.75A
2750	41.00	66.25	38.50A		66.50+	1690	.669		044 + 3 285.00B 2	:3.75A

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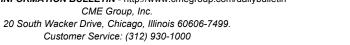


#### CINIAI

					FINAL			
PG48	BULLETIN #123@			Е	-MINI S&P 500 PUT OF	TIONS		Wed, Jun 27, 2018 PG48
2755 2760 2765 2770 2775 2780 2785 2790 2795 2800 2825 2830 2825 2835 2840 2845 2855 2850 2855 2850 2855 2865 2910 2925 2910 2925 2930 2940 2925 2930 2940 2925 2930 2940 2975 2980 3025 3150 3025 3150 3370 3370 3375 3370 3375	53.00 75.00 57.00 92.00 80.25	68.75B 71.75B 75.00 78.25B 81.75B 88.75B 88.75B 92.75B 96.50B 101.00 104.00B 108.25B 117.00B 121.50B 126.00B 130.75B 135.50B 140.25B 145.00B 149.75B 154.50B 159.50B 166.75B 171.75B 191.50B 201.50B 201.50B 201.50B 201.50B 201.50B 201.50B	40 . 50A 42 . 50A 44 . 75A 47 . 00A 49 . 50A 52 . 25A 55 . 00A 57 . 75A 61 . 00A 64 . 25A 61 . 00A 64 . 25A 61 . 00A 78 . 75A 88 . 00A 92 . 25A 92 . 25A 112 . 75A 112 . 75A 112 . 75A 117 . 50A 117 . 50A 118 . 25A 117 . 50A 117 . 50A 118 . 25A 119 . 25A 119 . 25A 110 . 25A 110 . 25A 111 . 50A 112 . 25A 117 . 50A 117 . 50A 118 . 25A 119 . 20A 119 . 20A 110 . 20A 110 . 20A 111 . 50A 112 . 25A 117 . 50A 117 . 50A 118 . 25A 119 . 20A 110 .		69.30+ 72.20+ 75.30+ 78.60+ 82.00+ 85.50+ 89.20+ 93.00+ 97.00+ 101.00+ 105.10+ 109.40+ 118.10+ 122.60+ 127.20+ 131.90+ 136.60+ 141.30+ 146.10+ 150.90+ 155.70+ 160.60+ 165.50+ 170.40+ 175.30+ 195.10+ 205.00+ 219.90+ 224.90+ 234.90+ 224.90+ 234.90+ 224.90+ 234.90+ 244.80+ 254.80+ 264.70+ 269.70+ 274.70+ 294.60+ 319.60+ 444.20+ 524.05+ 663.80+ 668.80+	1740 1780 1830 1830 1960 2010 2100 2130 2240 2250 2270 2290 2310 2320 2330 2330 2330 2340 2340 2350 2350 2350 2350 2350 2350 2350 235	.690 5 .712733 1 .753 1 .753 1 .779811 1 .829846 2 .877891 1 .926 1 .926 1 .926 1 .926 1 .926 1 .927935 1 .957 1 .957 1 .957 1 .957 1 .957 1 .958 1 .962 1 .978 1 .978 1 .988 1 .988 1 .990 1 .992 1 .993 1 .993 1 .993 1 .995 1 .996 1 .996 1 .996 1 .996 1 .996 1 .999 1 .900 1 .900 1 .900 1	865 - 2 220.50B 25.00A 636 UNCH 290.00B 26.25A 315 - 1 223.75B 27.75A 695 UNCH 295.50B 29.25A 646 UNCH 298.50B 30.75A 206 UNCH 301.50B 32.25A 275 - 1 237.50B 34.00A 171 UNCH 307.25B 35.75A 7 UNCH 245.50B 37.75A 1287 UNCH 245.50B 37.75A 1287 UNCH 313.00B 39.75A 20 UNCH 253.50B 42.00A 77 UNCH 319.25B 44.25A 16 + 1 325.25B 49.50A 33 UNCH 328.75B 52.25A 1 UNCH 332.00B 55.00A 5 UNCH 278.50B 58.00A 2 UNCH 338.50B 61.25A 16 UNCH 287.25B 64.50A 5 UNCH 344.75B 68.00A 4 UNCH 287.25B 64.50A 875 UNCH 344.75B 68.00A 4 UNCH 351.75B 75.25A 113 UNCH 351.75B 75.25A 113 UNCH 364.75B 79.00A 51 UNCH 364.75B 79.00A 51 UNCH 364.75B 91.25A 37 UNCH 364.75B 91.25A 37 UNCH 364.75B 91.25A 37 UNCH 379.75B 109.00A 51 UNCH 387.50B 118.00A 51 UNCH 387.50B 118.00A 51 UNCH 387.50B 118.00A 51 UNCH 387.50B 118.00A 51 UNCH 379.75B 109.00A 51 UNCH 379.75B 118.00A 51 UNCH 387.50B 118.00A 51 UNCH 379.75B 118.00A 51 UNCH 387.50B 125.50A 51 UNCH 447.50B 182.25A 1 UNCH 442.50B 182.25A 1 UNCH 442.50B 182.25A 1 UNCH 442.50B 182.25A 1 UNCH 447.50B 85.00 1 UNCH 477.00B 697.75A
1000 1025 1000 1025 1100 1025 11075 11150 11175 11200 1125 1150 1175 1225 1250 1275 1300 1325 1350 1375 1400 1525 1550 1660 1675 1680 1675 1680 1700 1710 1720 1775 1780 1810 1820 1775 1780 1810 1825 1830 1840 1850 1860 1870 1875 1880 1810 1825 1830 1840 1825 1830 1840 1910 1920 1925 2030 1940 1950 1970 1977 1980 1990 2010 2020 2025 2030 2040 2050 2060 2070 2075 2080 20100 20100 20125 2030 21100 21205 2075 2080 21100 21205 2125 2130 21400 21275 2180 21900 22100 22175 2180 21900 22100 22175 2180 21900 22100 22175 2180 21900 22100 22175 2180 21900 22100 22175 2180 21900 22100 22175 2180 22190 22100 22175 2180 22190 22100 22175 2180 22175 2180 22190 22200			* 100 * 150 * 150 * 150 * 150 * 150 * 200 * 200 * 200 * 250 * 350 *		. 15+ . 15 . 204 . 20+ . 225+ . 255+ . 304 . 336+ . 336+ . 337+ . 357+ . 358+ . 360+ . 358+ . 360+ . 358+ . 360+ . 358+ . 360+ . 368+ . 360+ . 368+ . 369+ . 368+ . 369+ . 368+ . 369+ . 368+ . 369+ . 368+ . 369+ . 368+ . 369+ . 368+ . 369+ . 368+ . 369+ . 368+ . 369+ . 368+ . 369+ . 368+ . 369+ .	5 UNCH 5 5 5 5 5 5 10 10 10 10 10 10 10 10 10 10 10 10 10	.000	202 UNCH .355B .15A 9 UNCH .10B .15A 1 UNCH 1.10B .15A 7 UNCH 1.25B .10A 4 UNCH 1.40B .15A 13 + 1 1.50B .15 38 UNCH 1.70B .15 40 UNCH 1.85B .10 24 UNCH 2.25B .20A 111 UNCH 2.25B .20A 111 UNCH 2.25B .20A 111 UNCH 2.25B .25A 183 UNCH 2.70B .25A 100 UNCH 3.20B .30A 240 UNCH 3.20B .30A 240 UNCH 3.50B .30A 240 UNCH 3.50B .30A 240 UNCH 3.50B .30A 240 UNCH 3.50B .30A 250 UNCH 4.50B .40A 359 UNCH 4.50B .40A 381 UNCH 4.90B .40A 769 UNCH 5.25B .45A 726 UNCH 5.75B .45A 503 UNCH 6.25B .45 321 + 1 6.75B .55A 3936 UNCH 7.25B .65A 5 + 5 9.00B .70A 16 UNCH 7.25B .65A 5 + 5 9.00B .70A 16 UNCH 9.25B .65 5 + 2 9.25B .70A 249 + 121 8.50B .60 101 + 1 8.75B .65A 5 + 5 9.00B .70A 16 UNCH 9.25B .65 5 + 1 9.50B .70A 16 UNCH 9.25B .85A 31 UNCH 10.75B .80A 14 UNCH 11.25B .80A 14 UNCH 11.25B .80A 14 UNCH 11.25B .80A 14 UNCH 11.25B .80A 14 UNCH 12.25B .85A 30 UNCH 10.75B .80A 14 UNCH 12.50B .99A 143 UNCH 11.50B .85A 7 UNCH 12.55B .95A 33 UNCH 12.55B .95A 33 UNCH 12.55B .95A 34 UNCH 12.55B .95A 35 UNCH 14.75B .10A 36 UNCH 15.25B .10A 37 UNCH 12.55B .95A 38 UNCH 15.25B .10A 39 UNCH 15.25B .10A 47 UNCH 14.25B .10A 47 UNCH 12.55B .95A 31 UNCH 15.25B .10A 47 UNCH 14.50B 1.0A 47 UNCH 15.25B 1.05A 312 UNCH 15.25B 1.05A 313 UNCH 17.00B 1.15A 441 UNCH 17.50B 1.25A 314 UNCH 17.50B 1.25A 315 UNCH 27.55B 1.50A 316 UNCH 27.55B 1.50A 317 UNCH 27.55B 1.50A 318 UNCH 27.55B 1.50A 319 UNCH 27.55B 1.50A 310 UNCH 27.55B 1.50A 310 UNCH 27.55B 1.30A 311 UNCH 27.55B 1.30A 311 UNCH 27.55B 1.30A 311 UNCH 27.55B 1.50A 312 UNCH 27.55B 1.50A 313 UNCH 27.55B 1.50A 314 UNCH 27.55B 1.50A 315 UNCH 27.55B 1.50A 316 UNCH 27.55B 1.50A 317 UNCH 27.55B 1.50A 318 UNCH 27.55B 1.50A 319 UNCH 27.55B 1.50A 317 UNCH 27.55B 1.50A 318 UNCH 27.55B 1.50A 319 UNCH 27.55B 1.50A 317 UNCH 27.55B 1.50A 318 UNCH 27.5

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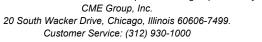
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2210 2220	5.00 6.00	6.25В 6.50В	4.15A 4.30A		6.50+ 13	.20 .042 .30 .044	104 268 + 5 302	86 43.25B 3.15A UNCH 44.75B 3.25A
2225 2230	6.25	6.50в 6.75в	4.40A 4.50A			.30 .045 .30 .046	39 423 + 11 187 +	1 45.50B 3.30A 11 46.25B 3.40A
2240 2250	7.00 7.25	7.25 7.25	4.65A 4.80A		7.00+ 14	.40 .048 .40 .050	43 294 - 75 560 +	18 47.75B 3.55A 21 49.25B 3.65
2260 2270	7.50	8.00 7.75в	5.00A 5.25A		7.50+ 15	.50 .052 .60 .055	58 485 + 9 305 +	18 51.00B 3.80A 5 52.75B 3.95A
2275		8.00B	5.50A		7.90+ 15	.50 .056	34 178 +	34 53.50B 4.00A
2280 2290	7.50	8.25B 8.50B	5.50A 5.75A		8.40+ 16	.60 .057 .60 .060	24 189 + 312	16 54.25B 4.05A UNCH 56.25B 4.20A
2300 2305	8.75	8.75 9.00в	6.00A 6.00A		9.00+ 17	.60 .063 .70 .064	9 679 + 263	1 58.00B 4.35A UNCH 50.25B 4.45A
2310 2315	8.75	9.25в 9.50в	6.25A 6.25A			.80 .066 .00 .068	34 144 + 10 108	32 59.75B 4.55A UNCH 52.00B 4.65A
2320 2325		9.75B 9.75B	6.50A 6.50A		9.70+ 21	.069 .071	20 68 + 350	1 61.75B 4.65A UNCH 62.75B 4.75A
2330	 9.75	10.00B 10.25B	6.75A 6.75A		10.10+ 22	20 .073 20 .074	108 20 139 +	UNCH 63.75B 4.85A 20 64.75B 4.95A
2335 2340	9.50	10.50B	7.00A		10.50+ 22	20 .076	2 219 -	2 65.75B 5.00A
2345 2350	9.50	10.75В 11.00	7.00A 7.25A		11.00+ 23	20 .078 30 .080	266 64 417 +	UNCH 67.00B 5.25A 19 68.00B 5.25
2355 2360	9.50	11.25В 11.50В	7.25A 7.50A			30 .081 40 .084	10 310 96	UNCH 69.00B 5.25A UNCH 70.00B 5.50A
2365 2370		11.75B 12.00B	7.75A 7.75A			.085 .50 .088	68 72	UNCH 71.25B 5.50 UNCH 72.25B 5.75A
2375 2380		12.25B 12.50B	8.00A 8.25A		12.20+ 25	.089 .092	86 3 177 +	UNCH 73.50B 5.75A 3 74.75B 6.00A
2385 2390	 12.25	12.75B 13.00B	8.25A 8.50A		12.70+ 26	60 .094 270 .096	60 20 130	UNCH 75.75B 6.00A UNCH 77.00B 6.25A
2395	13.75	13.75	8.75A		13.20+ 26	.098	2 229 +	2 78.25B 6.25A
2400 2405	12.50	13.75 14.00в	9.00 9.00A		13.80+ 28	70 .100 80 .103	41 534 + 170	22 79.50B 6.50A UNCH 80.75B 6.50A
2410 2415		14.25B 14.50B	9.25A 9.50A			.105 .80 .108	243 302	UNCH 82.00B 6.75A UNCH 83.25B 6.75A
2420 2425	13.75	15.00B 15.25B	9.75A 10.00A			00 .111 10 .114	5 91 14 1312 -	UNCH 84.50B 7.00A 11 85.75B 7.00A
2430 2435		15.50B 16.00B	10.25A 10.25A		15.50+ 31	.116	564 306	UNCH 87.25B 7.25A UNCH 88.50B 7.50A
2440 2445	13.00 11.50	16.50B	10.50A		16.30+ 33	30 .123	2 196	UNCH 90.00B 7.50A
2450	13.75	16.75B 17.25	10.75A 11.00A		17.10+ 35	50 .129	67 5654 -	5 92.75B 8.00A
2455 2460	17.50 17.50	17.50 18.00в	11.25A 11.50A		17.90+ 36	.132 .60 .136	3 287 + 8 485 +	3 93.75B 8.00A 6 95.25B 8.25A
2465 2470	17.75 17.75	18.50в 18.75в	11.75A 12.25A		18.70+ 37	70 .139 70 .142	11 254 4 365 -	UNCH 96.75B 8.50A 2 98.25B 8.75A
2475 2480	19.25	19.25В 19.75В	12.50A 12.75A			90 .146 90 .150	21 275 - 6 131 -	2 99.75B 8.75A 3 101.25B 9.00A
2485 2490	19.50 20.00	20.25B 20.75B	13.00A 13.25A		20.10+ 41	.154 20 .158	1 109 - 3 549 +	1 102.75B 9.25A 1 104.50B 9.50A
2495 2500	20.00 20.00	21.25B 21.75B	13.75A 14.00A		21.10+ 43	30 .162 40 .166	35 268 - 306 887 +	11 106.00B 9.75A 187 107.75B 10.00A
2505		22.25B 22.75B	14.25A		22.20+ 46	60 .170	300 3 219	UNCH 109.50B 10.25A
2510 2515	20.75	23.25B	14.75A 15.00A		23.30+ 48	60 .175 80 .179	242	UNCH 111.25B 10.50A UNCH 112.75B 10.50A
2520 2525	22.00 22.50	23.75B 24.50B	15.25A 15.75A		24.40+ 50	90 .184 00 .189	1 286 20 275 -	UNCH 114.50B 10.75A 20 116.25B 11.25A
2530 2535	16.75 19.50	25.00в 25.75в	16.00A 16.50A			10 .193 20 .198	1 189 21 263 -	UNCH 118.00B 11.50A 20 120.00B 11.75A
2540 2545	24.25 23.75	26.25B 27.00B	17.00A 17.25A			.204 .50 .209	9 263 + 15 171 +	9 121.75B 12.00A 15 123.50B 12.25A
2550 2555	18.75 21.75	27.75B 28.25B	17.75A 18.25A		27.60+ 56	660 .215 90 .221	22 3115 25 188 -	UNCH 125.50B 12.50A 12 127.25B 12.75A
2560	22.25	29.00в	18.75A		29.10+ 60	.226	133 557	UNCH 129.25B 13.25A
2565 2570	20.50	29.75B 30.50B	19.25A 19.75A		30.70+ 64	340 .239	252	UNCH 133.25B 13.75A
2575 2580	22.75 28.25	31.50B 32.25B	20.25A 20.75A		32.40+ 68	.245 .80 .252	320 3832 - 108 229 +	151 135.25B 14.25A 78 137.25B 14.50A
2585 2590	27.25 25.75	33.00B 34.00B	21.25A 22.00A		33.20+ 69	90 .259 '10 .266	40 288 2441 12554 -	UNCH 139.00B 15.00A 19 141.25B 15.25A
2595 2600	26.75 23.00	34.75B 36.75	22.50A 23.00			20 .272 240 .280	27 372 - 528 1547 +	9 143.25B 15.75A 8 145.50B 16.25A
2605 2610	27.75 31.50	36.50B 37.50B	23.75A 24.50A		36.80+ 76	760 .287 770 .295	93 214 + 4 183 -	50 147.50B 16.75A
2615 2620	29.75	38.50B	25.00A		38.70+ 79	'90 .303	276 330 - 98	4 149.75B 17.00A 9 152.00B 17.50A UNCH 154.25B 18.00A
2625	27.75	40.50B 41.75B 42.75B 44.00B 45.25B 46.50	25.75A 26.50A		40.80+ 83	330 .319	56 404 -	3 156.75B 18.50A
2630 2635	31.00 30.00	41.75B 42.75B	27.25A 28.00A		43.00+ 87	350 .328 370 .337	52 526 + 99 468 -	50 161.50B 19.50A
2640 2645	32.75 33.75	44.00B 45.25B	28.75A 29.50A		45.40+ 92	.346 .20 .355	198 427 + 79 328 +	114 163.75B 20.25A 72 166.25B 20.75A
2650 2655	42.25 33.50	46.50 47.75в	30.50A 31.25A		47.90+ 96	.365 .60 .374	363 1788 + 54 76 +	86 168.75B 21.25A 15 171.25B 22.00A
2660 2665	42.50 36.50	49.00в 50.50в	32.25A 33.25A		49.20+ 98 50.60+ 101	.384 .10 .395	2 506 227 360 +	UNCH 173.75B 22.50A 157 176.50B 23.25A
2670 2675	38.25 46.25	51.75B 53.25B 54.75B	34.25A 35.25A		52.00+ 103	.406	27 763 + 15 578 -	1 179.00B 24.00A
2680	39.50 45.75	54.75B 56.25B	36.25A 37.50A		53.50+ 106 55.00+ 108 56.60+ 111	.428	53 132 +	3 181.75B 24.75A 33 184.50B 25.50A 1 187.25B 26.25A
2685 2690	42.00	58.00B	38.50A		58.30+ 115	.50 .451	5 816 +	2 190.00B 27.00A
2695 2700	43.50 50.00	59.75B 61.50B	39.75A 41.00A		60.00+ 118 61.70+ 120	.475	3 132 + 146 1005 -	98 195.75B 28.75A
2705 2710	46.00 	63.25B 65.00B 66.75B	42.25A 43.50A		63.50+ 123 65.30+ 125 67.20+ 128	50 .501	10 131 - 68 898 -	3 198.75B 29.75A 33 201.50B 30.50A UNCH 204.50B 31.50A
2715 2720	50.50	68.50B	45.00A 46.50A		69.10+ 130		57 428 29 479	UNCH 207.75B 32.75A
2725 2730	48.50 51.00	70.50B 72.75B	48.00A 49.50A		71.10+ 133 73.20+ 137		88 479 - 33 271 +	4 210.75B 33.75A 2 213.75B 34.75A
2735 2740	61.75 57.50	75.00B 77.25B	51.00A 52.75A		75.40+ 141 77.70+ 145	.570	166 262 + 251 566 -	44 217.00B 36.00A 209 220.25B 37.25A
2745 2750	59.00 58.50	79.50B 82.00B	54.50A 56.25A		80.10+ 150 82.50+ 153	.599	23 316 + 37 858 +	4 223.50B 38.25A 7 226.75B 39.50A
2755		84.50B	58.25A 60.00A		85.00+ 156	60 .629	38 82 - 23 144 +	7 230.25B 41.00A
2760 2765		87.00B 89.75B	62.25A		90.30+ 164	.659	17 158 +	7 237.00B 43.75A
2770 2775		92.50в 95.25в	64.25A 66.50A		93.00+ 167 95.90+ 171 98.80+ 173	'10 .690	55 131 - 33 225 +	38 240.50B 45.25A 33 244.00B 46.75A 23 247.50B 48.50A
2780 2785		98.25в 101.25в	68.75A 71.25A		98.80+ 173 101.80+ 176		25 702 - 310	23 247.50B 48.50A UNCH 249.25B 50.25A
2790 2795		104.50B 107.75B	73.75A 76.25A		105.00+ 180	.737	191 33	UNCH 250.25B 52.00A UNCH 252.75B 54.00A
2800 2805		111.00B 114.50B	79.00A 81.75A		108.20+ 183 111.50+ 186 115.00+ 191	.767	9 151 184	UNCH 256.25B 56.00A UNCH 245.00B 58.00A
2810		114.30B 118.00B 121.75B	84.75A 87.75A		113.00+ 191 118.60+ 195 122.20+ 198	.796	1 7	UNCH 245.50B 60.25A UNCH 248.25B 62.50A
2815 2820		125.50B	90.75A		126.00+ 201	.823	27 143 +	24 247.25B 64.75A
2825 2830		129.25B 133.25B	94.00A 97.50A		129.90+ 205 133.80+ 207	.848	17 20	UNCH 247.00B 67.25A UNCH 247.25B 69.75A
2835 2840		136.25B 140.50B	100.75A 104.50A		137.90+ 210 142.00+ 212	.20 .871	4 6	UNCH 251.00B 72.25A UNCH 254.75B 75.00A
2845 2850		144.75B 149.00B	108.25A 112.00A		146.20+ 215 150.50+ 217	.50 .882	8 77	UNCH 258.75B 77.75A UNCH 258.50B 80.75A
2855 2860		153.25B 157.75B	116.00A 120.00A		154.80+ 218	.80 .902	7 26	UNCH 262.50B 83.75A
2865		161.00B	125.75A		163.70+ 221	.918	9	UNCH 270.50B 90.00A
2870 2875		164.25B 169.00B	129.50A 134.25A		168.20+ 222 172.80+ 224 177.40+ 225	.933	i	UNCH 278.75B 96.75A
2880 2885		173.50B 178.25B	138.25A 143.25A		182.10+ 226	.944	2 2	UNCH 282.75B 100.25A UNCH 287.00B 104.00A
2890 2895		183.00B 187.75B	147.75A 154.00A		186.80+ 227 191.50+ 227	.70 .953	1 2	UNCH 291.00B 107.75A UNCH 295.25B 111.50A
2900 2905		192.50B 197.25B	158.50A 163.25A		196.30+ 228 201.10+ 229	.957	19 6	UNCH 299.50B 115.50A UNCH 304.00B 119.50A
					ENTENCE OF THE USER AND TS FILL			

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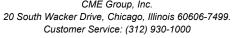


					FINAL					
PG48	BULLETIN #123@			E	-MINI S&P 500 PUT OP	TIONS			Wed,	Jun 27, 2018 PG48
2910 2925		201.50в 215.50в	168.00A 184.00A		205.90+ 220.50+	2290 2310	.964 .973	 	4 1	UNCH 308.25B 123.50A UNCH 321.50B 137.00A
2950 2960		240.00B 249.00B	208.25A 218.00A		245.00+ 254.80+	2330 2330	.982 .985	 	1 1	UNCH 343.75B 159.25A UNCH 353.00B 168.75A
3000 3100		288.50B 			294.40+ 393.90+	2340 2350	. 992 . 997	 	230 200	UNCH 374.50B 208.25A UNCH
4000 TOTAL					1290.55+	2350	1.000	 8475	1 80242 +	UNCH 986
SEP18 500	EOM EMINI S&P P				CAB		.000	 	560	UNCH
1100 1175					.25+	5 5	.000	 	10 100	UNCH 1.15B .25 UNCH 1.40B .30A
1300 1350 1375			*.40a .45a .50a		.50+ .60+ .65+	5 5 5	.002 .002 .002	 	1 317 3	UNCH 2.05B .40A UNCH 2.45B .40A UNCH 2.65B .40
1400 1425			.55A .60A		.70+ .75+	5 5	.003	 	3 32	UNCH 3.45 .45 UNCH 3.15B .50A
1500 1550		.90в 1.05в	.75A .85A		.95+ 1.10+	10 10	.004	 	1 10	UNCH 4.00B .60A UNCH 4.70B .70A
1575 1600		1.15B 1.20B	.90A 1.00A		1.20+ 1.30+	15 15	.005	 	10 218	UNCH 5.00B .75A UNCH 5.50B .80A
1625 1650		1.30B 1.45B	1.10A 1.15A		1.40+ 1.50+	15 20	.006	 	53 41	UNCH 6.00B .90A UNCH 6.50B .95A
1700 1750		1.70B 1.95B	1.35A 1.55A		1.75+ 2.05+	25 30	.008	 	5 13	UNCH 7.75B 1.10A UNCH 9.00B 1.25
1775 1780		2.10B 2.15B	1.65A 1.70A		2.20+ 2.25+	35 35	.011 .011	 	42 102	UNCH 10.00B 1.35A UNCH 10.25B 1.40A
1800 1810		2.30B 2.35B	1.80A 1.85A		2.40+ 2.45+	40 40	.012	 	112 8	UNCH 11.00B 1.45A UNCH 11.25B 1.50A
1825 1840		2.50B 2.65B	1.95A 2.05A		2.60+ 2.70+	45 45	.013	 	137 10	UNCH 12.00B 1.55A UNCH 12.50B 1.65A
1850 1860		2.70B 2.80B	2.10A 2.15A		2.80+ 2.90+	50 55	.014	 	319 48	UNCH 13.00B 1.70A UNCH 13.50B 1.75A
1870 1875 1880		2.90B 2.95B 3.00B	2.20A 2.25A 2.30A		3.00+ 3.05+ 3.10+	55 55 60	.015 .016 .016	 	9 73 100	UNCH 14.00B 1.80A UNCH 14.25B 1.85A UNCH 14.50B 1.85A
1890 1900	2.60	3.15B 3.25B	2.35A 2.45A		3.20+ 3.30+	60 60	.016	  15	243 102 -	UNCH 15.00B 1.95A 15 15.50B 2.00
1910 1925		3.35B 3.55B	2.50A 2.65A		3.45+ 3.60+	65 65	.018	 350	101 876 +	UNCH 16.00B 2.05A 287 16.75B 2.10A
1930 1940		3.60B 3.75B	2.70A 2.75A		3.70+ 3.85+	70 70	.019	 	8	UNCH 17.00B 2.20A UNCH 17.75B 2.25A
1950 1970	3.35	3.85B 4.15B	2.85A 3.05A		3.95+ 4.25+	70 75	.021	 1	72 6 +	UNCH 18.25B 2.30A 1 19.50B 2.45A
1975 1980	3.45	4.25B 4.30B	3.10A 3.15A		4.35+ 4.40+	80 80	.023 .023	 2	91 187 +	UNCH 19.75B 2.50A 2 20.25B 2.50A
2000 2010	3.85	4.60B 4.80B	3.35A 3.45A		4.70+ 4.85+	85 85	.025 .026	 1	269 148 +	UNCH 21.50B 2.70A 1 22.25B 2.80A
2020 2025	4.05 4.05	4.95B 5.00B	3.60A 3.65A		5.00+ 5.10+	85 90	.027	 3 2	275 + 86 +	3 23.00B 2.90A 2 23.25B 2.95A
2030 2040		5.00B 5.25B	3.70A 3.85A		5.20+ 5.40+	95 100	.028	 1970	34 100	UNCH 23.75B 3.00A UNCH 24.50B 3.05A
2050 2060 2070	4.00 4.55 	5.50B 5.75B 5.75B	3.95A 4.10A 4.25A		5.60+ 5.80+ 6.00+	100 105 110	.031 .032 .033	 1870 2	5999 + 44 + 231	1847 25.25B 3.15A 2 26.25B 3.25A UNCH 27.00B 3.40A
2075 2080		6.00B 6.00B	4.35A 4.40A		6.10+ 6.20+	110 110 110	.034	 	116 82	UNCH 27.50B 3.45A UNCH 28.00B 3.50A
2090 2100	 6.75	6.25B 7.00	4.55A 4.70A		6.40+ 6.70+	110 120	.036	  391	23 2039 +	UNCH 29.00B 3.65A 391 29.75B 3.75A
2110 2120		6.75B 7.00B	4.90A 5.25A		6.90+ 7.20+	120 130	.039	 	7 255	UNCH 30.75B 3.90A UNCH 31.75B 4.00A
2125 2140		7.25B 7.50B	5.25A 5.50A		7.30+ 7.70+	130 130	.041 .044	 	201 4	UNCH 32.25B 4.10A UNCH 34.00B 4.30A
2150 2160	6.25	8.00B 8.25B	5.75A 6.00A		8.00+ 8.30+	140 140	.046 .048	 66 	3338 238	UNCH 35.00B 4.45A UNCH 36.25B 4.60A
2170 2175	6.25	8.50B 8.75B	6.25A 6.25		8.60+ 8.80+	140 150	.049 .051	 60	3 131 +	UNCH 37.50B 4.75A 60 38.00B 4.85A
2180 2190		8.75B 9.25B	6.50A 6.50A		8.90+ 9.30+	150 160	.051	 	9 163	UNCH 38.50B 4.90A UNCH 39.75B 5.25A
2200 2210	9.75 9.75 8.35	9.75 9.75 10.25B	6.75A 7.00A		9.60+ 10.00+ 10.40+	160 170	.056	 100 20 173	760 - 230 +	100 48.25B 5.25A 20 42.50B 5.50A 173 43.75B 5.75A
2220 2225 2230	8.25  8.50	10.50B 10.75B	7.25A 7.50A 7.75A		10.40+ 10.60+ 10.80+	180 180 190	.061 .062 .063	  40	388 + 282 181 +	UNCH 44.50B 5.75A 40 53.00B 6.00
2240 2250		11.00B 11.50B	8.00A 8.25A		11.20+ 11.60+	190 200	.066	 	33 204	UNCH 46.75B 6.00A UNCH 48.25B 6.25A UNCH 49.75B 6.50A
2260 2270		12.00B	8.50A 8.75A		12.00+	210 220	.071	 	52 32	UNCH 49.75B 6.50A UNCH 59.75B 6.75A
2275 2280	10.00	12.50B 12.75B 13.00B	9.00A 9.25A		12.50+ 12.70+ 13.00+	220 230	.076 .077	 32	7998 199 +	UNCH 52.00B 7.00A 30 52.75B 7.00A
2290 2300	10.00	12 EAB	9.50A 10.00			240 260	.081 .084	 4	208 449 +	UNCH 54.50B 7.25A 2 56.25B 7.50A
2310 2320		13.30B 14.00B 14.50B 15.00B 15.50B 15.75B 16.25B	10.25A 10.75A		13.30+ 14.10+ 14.60+ 15.20+ 15.60+ 15.90+	270 280	.088	 	98 88	UNCH 58.00B 7.75A UNCH 59.75B 8.00A
2325 2330		15.50B 15.75B	11.00A 11.00A		15.60+ 15.90+	300 300	.094	 	234 134	UNCH 60.75B 8.25A UNCH 61.75B 8.50
2340 2350	16.50	16.25B 17.00B 17.75B	11.50A 12.00A		16.50+ 17.20+ 17.90+ 18.60+	310 320	.100	 2	300 200 +	UNCH 63.50B 8.75A 2 65.50B 9.00A UNCH 67.50B 9.50A
2360 2370 2375		18.25B 18.75B	12.50A 13.00A 13.25A		17.90+ 18.60+	330 340 350	.109 .113 .116	 	342 213 191	2 65.50B 9.00A UNCH 67.50B 9.50A UNCH 69.75B 9.75A UNCH 70.75B 10.00A
2380 2390		19.00B	13.50A 14.00A		19.00+ 19.40+ 20.10+	360 360	.118	 	201 247	UNCH 71.75B 10.25A UNCH 74.00B 10.50A
2400 2410		20.00B 20.75B 21.50B	14.50A 15.25A		20.90+	380 400	.128	 	298 157	UNCH 76.25B 11.00
2420 2425	23.00	21.50B 23.00 23.00B 23.50B 24.50B 25.50B	15.75A 16.25A		21.80+ 22.70+ 23.10+	420 420	.140 .143	 5 	91 5533	UNCH 81.00B 11.75A UNCH 82.25B 12.00A
2430 2440		23.50B 24.50B	16.50A 17.25A		23.60+ 24.50+ 25.50+	430 450	.146 .152	 	1593 271	UNCH 83.50B 12.25A UNCH 86.00B 12.75A
2450 2460		26.5UB	17.75A 18.50A		26.60+	470 490	.158 .165	 	263 125	UNCH 88.50B 13.25A UNCH 91.25B 13.75A
2470 2475	21.50	27.50B 28.25B	19.25A 19.75A		27.80+ 28.40+	520 530	.173	 5	20 230 +	UNCH 94.00B 14.50A 1 95.50B 14.75A
2480 2490	28.25	28.75B 30.00B	20.25A 21.00A		29.00+ 30.30+ 31.60+	540 570	.181 .189	 20  24	89 + 177	18 96.75B 15.00A UNCH 99.75B 15.75A 22 102.75B 16.50A
2500 2505 2510	29.75  	31.25B 32.00B	22.00A 22.50A 23.00A		₹2 ₹0±	590 600 610	.197 .201 .206	 	651 + 22 195	UNCH 34.50B 16.75A
2520 2525		32.75B 34.00B 34.75B	24.00A 24.50A		33.00+ 34.40+ 35.10+	630 640	.215	 	200 223	UNCH 105.75B 17.00A UNCH 109.00B 17.75A UNCH 110.50B 18.00A
2530 2535		35.50B 36.25B	25.00A 25.50A		33.00+ 34.40+ 35.10+ 35.80+ 36.60+	650 660	.224	 	369 20	UNCH 112.25B 18.50A UNCH 38.75B 19.25A
2540 2550	38.00	38.00 38.75B	26.25A 27.25A		37.40+ 39.00+	680 700	.234	 21	222 - 596	10 115.50B 19.25A UNCH 119.00B 20.00A
2560 2565	37.25 	40.50в 41.25в	28.50A 29.25A		40.70+ 41.50+	730 730	.255	 1	23 - 1	1 122.50B 21.00A UNCH 43.75B 21.75A
2570 2575	39.00	42.25B 43.00B	29.75A 30.50A		42.40+	750 760	.267 .272	 1	79 142	UNCH 126.00B 22.00A
2580 2590	42.50	44.00B 46.00B	31.25A 32.75A		43.30+ 44.30+ 46.20+	780 810	.278 .291	 1	135 126	UNCH 128.00B 22.50A UNCH 129.75B 23.00A UNCH 133.50B 24.00A
2595 2600	37.50	47.00B 48.00B	33.50A 34.25A		47.20+ 48.30+	820 850	.297 .304	 3	20 240	UNCH 49.50B 25.00A UNCH 137.50B 25.25A
2610 2615		50.25B	35.75A 36.50A		50.40+	880 890	.317	 	127 28	UNCH 141.50R 26.25A
2620 2625	49.00 42.00	51.25B 52.50B 53.75B	37.50A 38.25A		51.50+ 52.70+ 53.90+	910 930	.331	 1132 352	459 + 607 +	UNCH 53.75B 27.25A 374 145.50B 27.50A 260 147.50B 28.25A
2630 2635		54.75B 56.00B	39.25A 40.25A		55.10+ 56.30+	950 960	.346	 	21 20	UNCH 149.75B 28.75A UNCH 58.50B 30.00A
2640 2645 2650	 56.00	57.25B 58.75B 60.00B	41.00A 42.00A 43.00A		57.60+ 58.90+ 60.20+	990 1000 1020	.362 .370 .378	   4	104 2 67 +	UNCH 154.00B 30.25A UNCH 61.25B 31.50A 1 158.25B 31.75A
2650 2655 2660	56.00  48.75	60.00B 61.25B 62.75B	44.00A 44.00A 45.25A		60.20+ 61.50+ 62.90+	1020 1030 1050	.378 .386 .394	  2	67 + 1 283	UNCH 163.75B 33.00A UNCH 163.00B 33.25A
	10.73	02.730	13.43A		02.30+	1030	. 334	 4	203	103.00B 33.23A

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CME Group, Inc.





					FINAL						
PG48	BULLETIN #123@			E	E-MINI S&P 500 PUT OP	TIONS			Wed,		7, 2018 PG48
2670 2675	63.25	65.50B 67.00B	47.25A 48.50A		65.80+ 67.30+	1090 1110	.412 .421	 2	209 299 +	1	167.50B 34.75A 170.00B 35.75A
2680 2685		68.75B 70.25B	49.75A 51.00A		68.90+ 70.50+	1130 1160	.430	 	150 10	UNCH	172.50B 36.50A 72.75B 38.25A
2690 2695 2700	66.00 	71.75B 73.50B 75.25B	52.25A 53.50A 54.75A		72.10+ 73.70+ 75.50+	1180 1190 1220	.449 .459 .469	 2	244 45 782	UNCH	177.50B 38.50A 76.00B 40.25A 182.75B 40.25A
2705 2710		77.00B 78.75B	56.00A 57.50A		77.20+ 79.10+	1240 1280	.479	 	16 640	UNCH	79.50B 42.25A 188.00B 42.50A
2715 2720	 77.50	80.50B 82.50B	59.00A 60.50A		81.00+ 82.90+	1310 1340	.500	 1	285 63	UNCH	158.25B 43.50A 193.50B 44.50A
2725 2730		84.25B 86.25B	62.00A 63.50A		84.90+ 86.90+	1380 1410	.521 .532	 	682 62	UNCH	196.25B 45.75A 199.00B 47.00A
2735 2740		88.25B 90.25B	65.00A 66.75A		88.90+ 91.00+	1430 1460	.543	 	22 299	UNCH	170.50B 48.25A 204.50B 49.50A
2745 2750 2755		92.50B 94.75B 97.00B	68.50A 70.25A 72.00A		93.10+ 95.40+ 97.70+	1480 1510 1530	.566 .578 .590	 	48 4358 21	UNCH	176.75B 50.75A 210.75B 52.00A 99.25B 54.75A
2760 2770		99.25B 104.25B	74.00A 77.75A		100.10+ 105.00+	1560 1620	.602 .626	 	80 72	UNCH	216.75B 55.00A 222.75B 58.00A
2775 2780		106.75В 109.50В	80.00A 82.00A		107.50+ 110.10+	1640 1650	.638 .651	 	122 80	UNCH	226.25B 59.50A 229.25B 61.25A
2785 2790		112.00B 115.00B	84.50A 86.75A		112.80+ 115.60+	1680 1700	.663 .676	 	108 74	UNCH	146.50B 63.00A 235.75B 64.75A
2795 2800 2810		117.75B 120.75B 126.75B	89.00A 91.25A 96.50A		118.40+ 121.40+ 127.50+	1730 1760 1830	.689 .701 .726	 	2 42 1	UNCH	140.25B 66.50A 242.50B 68.25A 248.75B 72.50A
2815 2850	106.25	130.00B 154.50B	99.00A 119.75A		130.70+ 155.30+	1860 2070	.739 .820	 20	20 + 13	20	222.50B 74.50A 266.50B 91.00A
2860 2875		162.00в 173.75в	126.50A 137.25A		163.00+ 175.10+	2110 2170	.841 .870	 	1 45	UNCH UNCH	265.75B 96.50A 273.50B 105.00A
2880 2900		177.75В 193.75В	141.00A 157.75A		179.20+ 196.50+	2180 2230	.879 .910	 	1 7	UNCH	278.00B 108.00A 296.25B 121.25A
2915 3400		206.75B 	170.75A 		210.10+ 688.55+	2270 2390	.928	 	61 1	UNCH	310.25B 132.00A
4000 TOTAL OCT18	EOM EMINI S&P P				1285.60+	2395	1.000	 4735	100 53978 +	3434	
1150 1200	0.50	.50	.50		.40+ .50+	NEW 10	.001 .001	 100	100 + 100	100 UNCH	.90B .40A .65B .45A
1400 1425		.90в 1.00в	 .90A		1.05+ 1.10+	20 15	.004	 	33 10	UNCH UNCH	1.85B .70A 2.00B .75A
1500 1550		1.30B 1.55B	1.15A 1.30A		1.40+ 1.65+	20 25	.005	 	1 219	UNCH	
1575 1600		1.70B 1.85B	1.40A 1.50A		1.75+ 1.90+	25 25	.007	 	1 39	UNCH	3.25B 1.15A 3.55B 1.25A 3.90B 1.35A
1625 1700 1725	 3.10	2.00B 2.60B 3.10	1.65A 2.05A 2.20A		2.05+ 2.65+ 2.90+	30 40 50	.009 .011 .013	  1	16 18 294	UNCH	3.90B 1.35A 5.00B 1.70 5.50B 1.85A
1750 1775		3.05B 3.35B	2.40A 2.60A		3.15+ 3.45+	55 60	.014	 	16 18	UNCH	6.00B 2.00A 6.50B 2.15A
1780 1800		3.40B 3.65B	2.60A 2.80A		3.50+ 3.75+	60 65	.016 .017	 	54 76	UNCH UNCH	6.75B 2.20A 7.25B 2.35A
1810 1820		3.75B 3.90B	2.90A 3.00A		3.90+ 4.05+	70 75	.017 .018	 	12 71	UNCH	7.50B 2.40A 7.75B 2.50A
1830 1850		4.05B 4.35B	3.10A 3.30A		4.20+ 4.50+	75 85	.019	 	31 15	UNCH	8.00B 2.55A 8.75B 2.75A 9.00B 2.85A
1860 1870 1880		4.50B 4.65B 4.80B	3.40A 3.50A 3.65A		4.65+ 4.85+ 5.00+	85 95 95	.021 .022 .023	 	29 17 6	UNCH	9.00B 2.85A 9.25B 2.90A 9.75B 2.95
1900 1920		5.00B 5.50B	3.90A 4.15A		5.40+ 5.70+	105 105	.025	 	59 145	UNCH	10.50B 3.20A 11.25B 3.40A
1950 1960		6.00B 6.25B	4.60A 4.75A		6.40+ 6.60+	130 130	.030 .031	 	137 3	UNCH	12.50B 3.65 13.00B 3.90A
1970 1975		6.50B 6.50B	4.90A 5.00A		6.80+ 6.90+	130 130	.032	 	240 270	UNCH	13.25B 4.00A 13.50B 4.05A
1980 1990 2000	5.75	6.75B 7.00B 7.25B	5.25A 5.25A 5.50A		7.00+ 7.30+ 7.50+	130 140 140	.033 .034 .036	 2	2 20 + 870	UNCH 2	13.75B 4.15A 14.25B 4.25A 14.75B 4.40A
2010 2010 2020		7.25B 7.50B 7.75B	5.75A 6.00A		7.70+ 8.00+	140 150	.037	 	244 12	UNCH	11.75B 4.13A 14.25B 4.25A 14.75B 4.40A 15.50B 4.55A 16.00B 4.70A 16.25B 4.75A 16.50B 4.85A 17.00B 5.00A
2025 2030		7.75B 8.00B	6.00A 6.00A		8.10+ 8.30+ 8.50+	150 160	.039	 	1224 180	UNCH	16.25B 4.75A 16.50B 4.85A
2040 2050		8.25B 8.50B	6.25A 6.50A		8.50+ 8.80+	150 160	.041	 	16 230	UNCH	17.00B 5.00A 17.75B 5.25
2060 2070		9.00B 9.25B	6.75A 7.00A		8.80+ 9.10+ 9.40+	160 160	.044	 	20 180	UNCH	17.75B 5.25 18.25B 5.50A 19.00B 5.50A 19.25B 5.75A 19.75B 5.75A 20.25B 6.00A
2075 2080 2090		9.50B 9.50B 10.00B	7.00A 7.25A 7.50A		9.60+ 9.70+ 10.10+	170 160 180	.047 .047 .049	 	136 151 5	UNCH UNCH UNCH	19.25B 5.75A 19.75B 5.75A 20.25B 6.00A
2100 2110		10.25B 10.50B	7.75A 8.00A		10.40+ 10.80+	180 190	.051	 1396	2009 + 20	1391	21.00B 6.25A 21.75B 6.50A
2125 2130		11.25B 11.25B	8.25A 8.50A		11.40+ 11.60+	200 200	.056 .057	 	150 13	UNCH	21.00B 6.25A 21.75B 6.50A 23.00B 6.75A 23.50B 6.75A 24.25B 7.00A 25.00B 7.25A 26.00B 7.50A 27.00B 7.75A 27.25B 7.75A 27.25B 8.00A
2140 2150	11.25	11.75B 12.25B 12.50B	8.75A 9.00A		12.00+ 12.40+ 12.80+	210 210 220	.059	 4	40 88	UNCH	24.25B 7.00A 25.00B 7.25A 26.00B 7.50A
2160 2170 2175		13.00B 13.00B	9.50A 9.75A 10.00A		12.80+ 13.30+ 13.50+	230 230 230	.064 .066 .067	 	11 6 177	UNCH	27.00B 7.30A 27.00B 7.75A 27.25B 7.75A
2180 2200		13.00B 13.25B 13.50B 14.50B 15.00B 15.50B	10.00A 10.75A		13.30+ 13.50+ 13.80+ 14.80+	240 260	.069	 	80 138	UNCH	29 75R 8 50A
2210 2220		15.00B 15.50B	11.25A 11.50A		15.30+ 15.80+	270 270	.077 .079	 	12 11	UNCH	30.75B 8.75A 32.00B 9.00A 32.50B 9.25A 34.25B 9.75A
2225 2240		15.75B 16.75B	11.75A 12.50A		16.10+ 17.00+ 17.60+ 19.20+	280 300	.081	 	8017 10	UNCH	32.50B 9.25A 34.25B 9.75A
2250 2275 2280		17.25B 19.00B 19.25B	13.00A 14.00A 14.25A			310 330 330	.089 .097 .099	 	128 94 59	UNCH UNCH UNCH	35.25B 10.00 38.50B 11.00A 39.25B 11.25A
2290 2300	 15.75	20.00B 20.75B	14.75A 15.50A		20.20+ 21.00+ 21.70+ 22.50+ 22.90+ 23.30+	340 360	.103	  5	27 177 +	UNCH	39.25B 11.25A 40.50B 11.50A 42.00B 12.00A 43.25B 12.25A 44.75B 12.75A 45.50B 13.00A
2310 2320		21.50B 22.25B 22.50B 23.00B	16.00A 16.50A		21.70+ 22.50+	370 380	.111 .115	 	12 37	UNCH UNCH	43.25B 12.25A 44.75B 12.75A
2325 2330		22.50B 23.00B	16.75A 17.00A		22.90+ 23.30+	390 390	.117 .119	 	216 _1	UNCH	
2340 2350	24.75 	23.75B 24.75 25.50B	17.75A 18.50A 19.00A		24.10+ 25.00+ 25.90+	400 420 430	.124 .129 .133	 1	74 777 + 14	UNCH 1 UNCH	48.00B 13.75A 49.75B 14.25A 51.25B 14.75A
2360 2375 2380		27.00B	20.25A		27.30+ 27.80+	450 460	.141	 	5342 1	UNCH	54.00B 15.50A 55.00B 15.75A
2390 2400		27.50B 28.50B 29.50B 30.50B	20.50A 21.25A 22.00A		27.30+ 27.80+ 28.80+ 29.90+ 31.00+	480 500	.149 .155	  36	3 235 +	UNCH 36	56.75B 16.25A 58.75B 17.00A
2410 2420		30.50B 31.75B 32.25B	22.75A 23.75A		31.00+ 32.10+	520 530	.161 .167	 	112 111	UNCH UNCH	
2425 2430	24.75	32.25B 33.00B	24.25A 24.50A		32.10+ 32.70+ 33.30+ 34.60+ 35.90+	540 550	.170 .173	 1 	47 + 57	UNCH	63.00B 18.00A 64.00B 18.50A 65.00B 18.75A 67.25B 19.50A 69.50B 20.25A
2440 2450 2460	27.25	33.00B 34.25B 35.50B 36.75B	25.50A 26.50A 27.50A		3/ /0+	580 600 620	.180 .187 .194	 9	4 82 - 263	UNCH 9 UNCH	67.25B 19.50A 69.50B 20.25A 72.00B 21.00A
2470 2475	29.25	36.75B 38.00B 38.75B	27.50A 28.50A 29.00A		37.20+ 38.60+ 39.30+ 40.00+	640 650	.201	 2	56 + 195	1 UNCH	72.00B 21.00A 74.50B 21.75A 75.75B 22.25A 77.00B 22.50A
2480 2490		39.50В 41.00В	29.50A 30.75A		40.00+ 41.50+	660 680	.208	 	5 2	UNCH	77.00B 22.50A 79.50B 23.50A
2495 2500	32.00	41.75B 42.50B	31.25A 32.00A		41.50+ 42.30+ 43.00+	NEW 700	.220 .224	 9 54	9 + 463 +	9 48	43.50B 24.25A 82.25B 24.25
2510 2520		44.25B 45.75B 46.75B	33.25A 34.50A		44.60+ 46.30+ 47.20+	720 750 760	.233	 	32 4 60	UNCH	85.25B 25.25A 88.00B 26.25A 89.50B 26.75A
2525 2530 2540	  50.75	46.75B 47.50B 50.75 51.25B	35.00A 35.75A 37.254		47.20+ 48.00+	760 770 790	.246 .251 .260	  1	60 1 106	UNCH	89.50B 26.75A 91.00B 27.25A 94.25B 28.25A
2540 2550 2560	50.75 	53.00B	37.25A 38.50A 40.00A		48.00+ 49.80+ 51.70+ 53.60+	820 840	.270	 	172 10	UNCH	91.00B 27.25A 94.25B 28.25A 97.50B 29.50A 100.75B 30.50A 104.25B 31.75A
2570 2575	56.50 	56.50 56.25B	41.75A 42.50A		55.60+ 56.60+	870 880	.291	 1 	10 + 158	1	104.25B 31.75A 106.00B 32.25A

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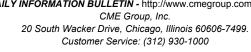




					FINAL				
PG48	BULLETIN #123@			E	E-MINI S&P 500 PUT OP	TIONS		Wed,	Jun 27, 2018 PG48
2580 2590		57.25B 59.25B	43.25A 45.00A		57.60+ 59.80+	880 910	.302 .313	. 1	UNCH 107.75B 33.00A UNCH 110.75B 34.25A
2600 2605	61.75  	61.75 62.75в 66.50в	46.75A 47.75A 50.50A		62.00+ 63.10+ 66.70+	940 940 990	.325 5 .331 .349	- 250	12 114.50B 35.75A UNCH 64.50B 37.25A UNCH 122.50B 38.50A
2620 2625 2640		67.75B 71.75B	51.50A 54.75A		67.90+ 71.80+	990 1040	.356	- 5	UNCH 124.50B 39.25A UNCH 130.75B 41.75A
2650 2660		74.50B 77.25B	56.75A 59.00A		74.50+ 77.30+	1070 1090	.390	555	UNCH 135.25B 43.50A UNCH 140.00B 45.25A
2670 2675	69.50	80.25B 81.50B	61.50A 62.75A		80.30+ 81.80+	1130 1140	.420	3 200 +	UNCH 144.75B 47.25A 3 147.00B 48.25A
2680 2685 2690	72.25	83.00B 84.75B 86.25B	64.00A 65.25A 66.75A		83.40+ 85.10+ 86.80+	1160 NEW 1210	.436 .444 .452	2 +	UNCH 149.50B 49.25A 2 86.75B 51.50A UNCH 154.75B 51.25A
2700 2705	84.25	89.75В 91.50В	69.50A 70.75A		90.30+ 92.10+	1250 1270	.468 1 .477	940 -	7 160.00B 53.50A UNCH 93.50B 56.00A
2710 2715	80.25 89.50	93.25B 95.25B	72.25A 73.75A		93.90+ 95.80+	1290 1320 1340	.486 .494	3 54 -	3 165.50B 55.75A 3 168.25B 57.00A UNCH 170.75B 58.25A
2720 2725 2730		97.00B 99.00B 100.75B	75.25A 77.00A 78.50A		97.70+ 99.60+ 101.50+	1360 1370	.503 .512 .522	- 243	UNCH 170.75B 58.25A UNCH 174.00B 59.50A UNCH 176.50B 60.75A
2735 2740	80.75	103.00B 104.75B	80.25A 81.75A		103.50+ 105.60+	1400 1430	.531	28	UNCH 179.50B 62.00A UNCH 182.50B 63.50A
2745 2750		107.00B 109.00B	83.50A 85.25A		107.70+ 109.90+	1450 1480	.550	308	UNCH 185.75B 64.75A UNCH 188.75B 66.25A
2755 2760 2770		111.25B 113.50B 118.25B	87.25A 89.00A 93.00A		112.10+ 114.30+ 119.10+	1510 1530 1590	.569 .579 .599	- 12	UNCH 113.00B 69.50A UNCH 195.25B 69.25A UNCH 201.75B 72.25A
2775 2780	104.00	120.75в 123.00в	95.00A 97.00A		121.50+ 124.00+	1610 1630	.609 .620	361 -	8 205.00B 74.00A UNCH 208.50B 75.50A
2785 2790		125.50B 128.00B	99.25A 101.25A		126.60+ 129.20+	1660 1680	.630 .640	290	UNCH 156.75B 77.25A UNCH 215.50B 79.00A
2795 2800 2825	 	130.75B 133.50B 148.00B	103.50A 105.75A 118.25A		131.80+ 134.50+ 149.00+	1700 1720 1830	.651 .661 .714	415 +	UNCH 150.50B 81.00A 1 221.25B 82.75A UNCH 238.50B 93.00A
2840 2850		157.50в 164.25в	126.25A 132.25A		158.50+ 165.20+	1900 1950	.745 .766	. 1	UNCH 250.25B 99.75A UNCH 258.25B 104.50A
2870 2875		178.25в 182.00в	144.50A 147.75A		179.30+ 183.00+	2020 2040	.805 .815	10	UNCH 275.00B 114.75A UNCH 279.00B 117.50A
2890 2900 2910		193.50в 201.50в 209.25в	158.25A 165.25A 173.00A		194.50+ 202.60+ 210.80+	2100 2140 2170	.842 .858 .873	- 72	UNCH 292.00B 126.25A UNCH 301.00B 132.25A UNCH 309.75B 138.75A
2925 2940		222.00B 233.00B	184.75A 198.00A		223.60+ 236.70+	2210 2230	.894 .912	•	UNCH 323.25B 148.75A UNCH 337.25B 159.50A
2950 3500		242.00B 	206.50A 		245.70+ 786.60+	2250 2380	.922 .999	. 1	UNCH 346.50B 167.00A UNCH
TOTAL NOV18 500	EOM EMINI S&P P				CAB		.000	_	1563 UNCH
1125 1200		 1 70p			.55+ .70+	15 15	.001	1 89	UNCH .50B .40A UNCH .65 .50
1500 1525 1550		1.70B 1.85B 2.00B	1.40A 1.50A 1.65A		1.70+ 1.85+ 2.05+	20 20 30	.006 .007 .008	240	UNCH 1.95B 1.25A UNCH 2.15B 1.25A UNCH 2.35B 1.35A
1600 1650		2.40B 2.80B	1.90A 2.25A		2.45+ 2.95+	35 45	.010	. 4	UNCH 2.75B 1.55 UNCH 3.25B 1.85A
1675 1700		3.10B 3.40B	2.45A 2.65A		3.25+ 3.55+	55 60	.013 .014	- 3	UNCH 3.55B 2.00A UNCH 3.90B 2.15A
1725 1750		3.70B 4.00B	2.85A 3.10A 3.40A		3.85+ 4.20+ 4.55+	65 70 70	.016 .017 .019	- 6	UNCH 4.30B 2.35A UNCH 4.65B 2.55A UNCH 5.00B 2.80A
1775 1800 1825		4.40B 4.80B 5.25B	3.70A 4.05A		4.33+ 4.95+ 5.40+	80 85	.021	- 18	UNCH 5.00B 2.80A UNCH 5.50B 2.95 UNCH 6.00B 3.25A
1870 1875		6.00B 6.25B	4.70A 4.80A		6.30+ 6.40+	100 100	.027 .027	- <u>2</u> - 20	UNCH 7.00B 3.80A UNCH 7.00B 3.85A
1900 1920		6.75B 7.25B	5.25A 5.75A		6.90+ 7.40+	100 110	.030	122	UNCH 7.50B 4.20A UNCH 8.25B 4.50A
1925 1930 1950		7.25B 7.50B 8.00B	5.75A 5.75A 6.25A		7.60+ 7.70+ 8.20+	120 120 120	.033 .033 .036	. 2	UNCH 8.25B 4.55A UNCH 8.50B 4.65A UNCH 9.00B 4.95A
1970 1980		8.50B 9.00B	6.75A 7.00A		8.80+ 9.10+	130 140	.038	. 1	UNCH 9.75B 5.50A UNCH 10.00B 5.50A
2000 2010		9.50B 10.00B	7.25A 7.50A		9.80+ 10.10+	160 160	.043	- 2	1 10.75B 6.00A UNCH 11.00B 6.25A
2020 2025 2040		10.25B 10.50B 11.00B	8.00A 8.00A 8.50A		10.50+ 10.60+ 11.20+	170 170 180	.046 .047 .049	- 3	UNCH 11.50B 6.25A UNCH 11.50B 6.50A UNCH 12.25B 6.75A
2050 2070		11.25В 12.25В	8.75A 9.25A		11.60+ 12.40+	190 200	.051	- 262	UNCH 12.50B 7.00A UNCH 13.50B 7.50A
2075 2090		12.25B 13.00B	9.50A 10.00A		12.60+ 13.20+	210 210	.056	18	UNCH 13.50B 7.50A UNCH 14.25B 8.00A
2100 2110 2120		13.50B 14.00B 14.50B	10.25A 10.75A 11.00A		13.70+ 14.10+ 14.60+	230 230 230	.061 .063 .065	13	UNCH 14.75B 8.25A UNCH 15.25B 8.50A UNCH 15.75B 8.75A
2125 2140		14.75В 15.50В	11.25A 11.75A		14.80+ 15.60+	230 250	.066	. 2	UNCH 16.00B 9.00A UNCH 16.75B 9.50A
2150 2200		16.00B	12.25A 14.50A		16.10+ 19.10+	250 290	.073	- 10 - 281	UNCH 17.25B 9.75A UNCH 20.25B 11.50
2220 2250		18.75B 20.25B 22.25B 23.00B	15.50A 17.00A		20.40+ 22.50+	310 340	.093 .103 .106	. 1	UNCH 21.75B 12.25A UNCH 23.75B 13.50A UNCH 24.50B 14.00A
2260 2275 2290		24.25B 25.50B	17.75A 18.50A 19.50A		23.30+ 24.50+ 25.80+	360 370 400	.106 .112 .118	140	UNCH 24.50B 14.00A UNCH 25.75B 14.75A UNCH 27.00B 15.50A
2300 2310	27.00	27.00 27.25B	20.25A 20.75A		26.70+ 27.60+	410 420	.122 .127	22 +	1 28.00B 16.00A UNCH 28.75B 16.50A
2340 2350		30.00B 31.00B	23.00A 24.00A		30.50+ 31.50+	450 470	.145	120	UNCH 31.75B 18.25A UNCH 32.75B 18.75A
2360 2370 2375	28.00	32.25B 33.25B 33.75B	24.75A 25.50A 26.00A		32.50+ 33.60+ 34.20+	470 490 500	.150 .155 .158	21 +	UNCH 34.00B 19.50A 2 35.00B 20.00A UNCH 35.50B 20.50A
2380 2400		34.50B 36.75B	26.50A 28.25A		34.70+ 37.10+	500 540	.160 .172	. 1	UNCH 36.25B 20.75A UNCH 38.50B 22.25A
2420 2425		39.25B 40.00B 42.00B	30.25A 30.75A		39.70+ 40.40+	580 590	.184	. 9	UNCH 41.25B 23.75A UNCH 41.75B 24.25A
2440 2450 2460	33.75 35.00	42.00B 43.50B 45.00B	32.50A 33.75 34.75A		42.50+ 43.90+ 45.40+	620 640 660	.197 .204 .211	3 +	UNCH 44.00B 25.50A 2 45.50B 26.25A UNCH 47.00B 27.25A
2475 2480	37.75	47.25B 48.25B	36.75A 37.25A		47.70+ 48.50+	680 NEW	.222	11	UNCH 49.25B 28.75A 1 50.00B 29.25A
2500 2510		51.50B 53.25B	40.00A 41.50A		51.90+ 53.70+	730 750	.249	168	1 53.50B 31.25A UNCH 55.25B 32.50A
2520 2525		55.00B 56.00B	43.00A 43.75A		55.50+ 56.40+	770 770	.258 .262 .285	18	UNCH 57.00B 33.50A UNCH 58.00B 34.25A UNCH 63.00B 37.25A
2550 2570 2575		61.00в 65.25в 66.25в	47.75A 51.00A 52.00A		61.30+ 65.60+ 66.70+	820 870 880	.285 .305 .310	- 66	UNCH 67.25B 40.00A UNCH 68.25B 40.75A
2580 2600		66.25B 67.50B 72.25B	53.00A 56.75A		67.90+ 72.70+	900 950	.315	64 5 129 +	UNCH 69.50B 41.50A 6 74.25B 44.50A
2650 2670 2675		85.75В 91.75В	67.75A 72.75A 74.25A		86.10+ 92.10+	1100 1150 1160	.397 .424	· 1	UNCH 87.50B 53.50A UNCH 93.75 57.50A
2675 2700 2710		93.00B 101.50B 105.00B	74.25A 81.25A 84.25A		93.60+ 102.10+ 105.80+	1160 1230 1280	.431 .468 .483	19	UNCH 95.25 58.50A UNCH 103.50B 64.25A UNCH 107.00B 66.75A
2710 2715 2720		106.75в 108.75в	85.75A 87.25A		107.70+ 109.50+	1310 1320	.491 .499 1	- 18	UNCH 109.00B 68.00A 12 110.75B 69.25A
2725 2730		110.75в 112.50в	88.75A 90.50A		111.50+ 113.40+	1350 1370	.507 .515	- 18 - 18	UNCH 112.75B 70.50A UNCH 114.50B 71.75A
2740 2750 2755		116.50B 120.75B 122.75B	93.75A 97.50A 99.25A		117.40+ 121.50+ 123.70+	1410 1450 1480	.531 .548 .557	19	UNCH 118.25B 74.50A UNCH 122.50B 77.50A UNCH 124.50B 81.75A
2755 2760 2770		122.75B 125.00B 129.50B	99.25A 101.00A 104.75A		123.70+ 125.90+ 130.50+	1500 1540	.566	- 18	UNCH 124.50B 81.75A UNCH 126.75B 80.50A UNCH 131.25B 83.75A
2775		131.75B	107.00A		132.80+	1560	.592		UNCH 133.50B 85.50A

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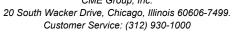
PG48	BULLETIN #123@			E-MINI S&P 500 PUT OP	TIONS			wed,	Jun	27, 201	8 PG48
2780		134.25в	109.00A	 135.20+	1580	.601	 	86	UNCH	135.75B	87.00A
2800		144.00B	117.50A	 145.10+	1650	.638	 6	85 +	6	145.75B	94.25A
2850		172.75B	142.50A	 174.00+	1860	.732	 	2	UNCH	174.00B	115.25A
2890		200.00B	166.75A	 201.30+	2000	.803	 	1	UNCH	200.75B	135.75A
2900		207.50в	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	231.25в	160.50A
2980		272.00B	236.50A	 275.70+	2250	.922	 	50	UNCH	273.00в	196.50A
3200				 488.30+	2360	.990	 	1	UNCH		423.00A
TOTAL							34	3700 +	32		

2980 3200		272.00B 	236.50A		275.70+ 488.30+	2250 2360	.922 .990			50 1	UNCH UNCH 32	273.00в 	196.50A 423.00A
TOTAL				ADDITIO	ONAL E-MINI S&P	PUTS			34	3700 +	- 32		
CTRIVE	- ODEN DANCE	UTCU	1.00		SETT.PRIC		DELTA	EXER CISES	VOLUME TRADES	O INTER	PEN	CONTR	ACT LOW
EOW3 MIN	E OPEN RANGE I S&P P EOW3 MINI S&P P	HIGH (FUTURES S	LOW	CLOSING RANGE	& PT.CHGE	•	DELTA	CISES	CLEARED	INTER	.231	птоп	LOW
1000 1025	EUW3 MINI SOP P				CAB CAB					94 4	UNCH UNCH	.20 .50в	.20 .20
1050 1100					.05+ .05+	0.05	.000			40 40	UNCH UNCH	.55В .70В	.30A .05
1125 1150					.05+ .05+	0.05 0.05	.000			279 21	UNCH UNCH	.95в 1.05в	.10A .10
1175 1200					.05 .05	UNCH UNCH	.000			120 40	UNCH UNCH	1.15в 1.30в	.10A .05
1225 1250	.05	.05	*.05		.05 .05	UNCH	.000		40	295 588 +	UNCH 40	1.40в 1.55в	.05 .05
1275 1300					.05 .05 .10+	UNCH	.000 .000 .000			380 548 1	UNCH	1.70B 1.85B 2.05B	.05 .10A .10
1325 1350 1375					. 10+ . 10+ . 10+	0.05 0.05 0.05	.000			750 467	UNCH UNCH UNCH	2.25B 2.45B	.10 .10A .10
1400 1425					.10 .10	UNCH	.000			784 372	UNCH	2.65B 2.90B	.15A .15
1450 1475					.10 .10	UNCH	.000		 490	229 940 +	UNCH 90	3.15B 3.45B	.15
1500 1525					.15+ .15+	0.05	.000			2098 667	UNCH UNCH	3.75в 4.05в	.10 .15
1550 1575					.15 .15	UNCH	.000			286 903	UNCH UNCH	4.40B 4.80B	.10A .10A
1600 1625					.20+ .20+	0.05	.001 .001		490	693 676 -	UNCH 270	5.00в 5.50в	.15 .15
1650 1660					. 20+ . 20+	0.05	.001			612 437	UNCH	6.00B 6.25B 6.50B	.15 .15
1670 1675			.15A .15A .15A		.20 .25+	0.05 0.05	.001 .001 .001			198 95 292	UNCH UNCH UNCH	6.50B 6.50B	.15 .15A .15A
1680 1690 1700			.15A .15A		.25+ .25+ .25+	0.05	.001			63 1439	UNCH	6.75B 7.00B	.10
1710 1710 1720			.15A *.15A		.25+	0.05	.001			212 202	UNCH	7.25B	.15A .15A
1725 1730		 .25в	*.15A *.15A		.25+ .25+ .25+	0.05	.001			203 35	UNCH	7.50B 7.50B 7.75B	.15A .15A
1740 1750		.25в .25в			.30+ .30+	$0.10 \\ 0.10$	.001 .001			150 841	UNCH UNCH	8.00B 8.25B	.20A .20A
1760 1770	.20	.25B 	.20 .20A		.30+ .30+	0.05 0.05	.001 .001		500	671 + 254	500 UNCH	8.50в 8.75в	.20A .20A
1775 1780	.25	.30B	.20A .20A		.30+ .30+	0.05	.001		80	53 353	UNCH	9.00B 9.00B	.20A .20A .20A
1790 1800		.30B .30B	.20A .20A		.35+	0.10	.002			189 1059	UNCH	9.25B 9.75B	.20A
1810 1820		.30B .35B .35B			.35+ .35+	$0.10 \\ 0.10 \\ 0.10$	.002			671 201 559	UNCH	10.00B 10.25B 10.50B	.20A .20A .20
1825 1830 1840		.35B .35B .35B			.35+ .35+ .40+	0.10 0.10 0.10	.002 .002 .002			173 845	UNCH UNCH UNCH	10.50B 10.50B	.20 .20 .20A
1850 1860		.35B .40B	.25A .25A .25A		. 40+ . 40+	0.10 0.10	.002			600 853	UNCH	11.25B 11.50B	.20 .25A
1870 1875		. 40B . 40B	.25A .25A		. 40+ . 40+	0.10	.002			401 418	UNCH	12.00B 12.00B	.25A .25A
1880 1890		. 40B . 40B	.30a .30a		.45+ .45+	$0.10 \\ 0.10$	.003			416 1158	UNCH UNCH	12.25В 12.75В	.25 .25A
1900 1910	.50	.50 .45в	.30a .30a		. 45+ . <u>5</u> 0+	0.10 0.10	.003		11 	627 - 664	2 UNCH	13.00B 13.50B	.25A .30A
1920 1925		.45B .45B	. 30A . 30A		. 50+ . 50+	$0.10 \\ 0.10$	.003		1	1238 864	UNCH	13.75B 14.00B	.30A .30
1930 1940	.55 .55	. 55 . 55	.30A .35A		. 50+ . 55+	0.10	.003		200 200	910 + 463 +	39 200	14.25B 14.75B	.30
1950 1960 1970	.55 .55	.55 .65 .55	.35A .35A .35A		.55+ .55+ .60+	0.10 0.10 0.15	.004 .004 .004		200 202 309	1242 + 342 + 678 +	106 168 202	15.25B 15.50B 16.00B	.30a .30a .30a
1975 1980	.55 .50 	.55в .55в	.35A .40A		.60+ .60+	0.15 0.10	.004		3 154	550 397	UNCH UNCH	16.25B 16.50B	.35 .35A
1990 2000	 .45	.60B .60B	.40A .40A		.60+ .65+	0.10	.004			225 1588 -	UNCH 372	17.00B 17.50B	.35
2010 2020	.45 .50	.65в .65	.40A .45A		.65+ .70+	0.10	.005		1 10	875 433 -	UNCH 10	18.00B 18.50B	.35A .35A
2025 2030	.50 .50	.65в .70в	.40 .45		. 70+ . <u>70</u> +	0.15 0.15	.005		66 133	402 1352 -	UNCH 107	18.75B 19.00B	.40A .40
2040 2050	.45	.70B .75B	.45A .40		.75+ .75+	0.15 0.15	.006		42	924 4844 -	UNCH 31	19.75B 20.25B	.40 .40A
2060 2070	.55 .60 .60	.75в .80в .80	.50A .50A .50A		. 80+ . 85+	0.15 0.20 0.20	.006 .007 .007		1 110 7	1073 - 584 + 1375 -	100 7	20.75B 21.50B 21.75B	.40A .45 .45
2075 2080 2090	.60 .60	.80B .85	.55A .55A		.85+ .85+ .90+	0.15	.007		43 24	817 - 1080 -	3 2	22.00B 22.75B	.45 .45A
2100 2110	.65	. 90 . 90в	. 55A . 60A		.95+ .95+	0.20	.008			3067 - 760	286 UNCH	23.25B 24.00B	.50 .50A
2120 2125	.75 .75	.95 .95в	.60a .60a		1.00+ 1.05+	0.20	.008		401 62	1116 - 1337 -	77 62	24.75B 25.00B	.50A .55
2130 2140	.60 1.00	1.00в 1.00	.60 .65A		1.05+ 1.10+	0.25 0.25	.009		360 400	1164 + 1076 +	2 176	25.50B 26.25B	.55A .60
2150 2160	.70	1.05B 1.10B	.65 .70a	 	1.15+ 1.20+	0.30	.010 .010		24 154	4262 - 2487 869 -	5 UNCH	27.00B 27.75B	.60 .60
2170 2175 2180	.85 .70 .95	1.15 1.20B 1.25	.75A .70 .75A		1.25+ 1.25+ 1.25+	0.30 0.30 0.30	.011 .011 .011		261 7 12	3955 1201	48 UNCH UNCH	28.50B 29.00B 29.25B	. 65A . 65A . 65
2190	1.00	1.25 1.30	.80A .80A		1.30+ 1.40+	0.30	.012		7 746	2422 5469 +	UNCH 32	30.25B 31.00B	.70 .70
2200 2210 2220	1.20 1.25	1.35B 1.45B	.85A .90A		1.45+	0.35	.013		35 37	1040 -	34	32.00B	.75 .75A
2225 2230	.95 1.30	1.45B 1.50B	.85 .90a		1.50+ 1.50+ 1.55+	0.35	.014 .014		825 2	1243 1370 + 644 +	UNCH 29 1	33.00B 33.75B 34.25B	.80 .80a
2240 2250	1.45 1.00	1.65 1.60	.95 1.00		1.60+ 1.70+	0.35	.015 .016		7 3 <u>05</u>	1240 - 6864 +	1 162	35.75B 37.00B	.80A .85A
2260 2270	1.30 1.10	1.70B 1.80	1.00A 1.05A		1.75+ 1.85+	0.40	.017 .018		57 49	1007 + 1331 +	56 46	38.25B 39.75B	.90 .95
2275 2280	1.05 1.70 1.75	1.85 1.85B 1.95	1.05 1.10A		1.85+ 1.90+ 2.00+	0.40	.018 .019 .020		88 3 49	1355 + 583 - 1297 -	24 3 2	40.50B 41.25B 42.75B	.95A .95A
2290 2300 2305	1.73 1.20 1.95	2.30 2.10B	1.15A 1.20 1.25A		2.10+ 2.10+ 2.15+	0.50 0.50 0.55	.021		131 30	7427 - 1028 -	90 30	44.25B 37.50B	1.00 1.05A 1.10
2310 2315	2.25 1.90	2.25 2.20B	1.25A 1.30A		2.20+ 2.25+	0.55	.023		7 16	727 - 446 +	7 5	46.00B 39.00B	1.10A 1.15A
2320 2325	1.85	2.20B 2.40 2.30B	1.30A 1.35A		2.30+ 2.35+	0.60	.024		140 100	709 - 2625 +	7 100	47.75B 48.50B	1.15A 1.20
2330 2335	2.15 2.15	2.40B 2.45B	1.35A 1.40A		2.40+ 2.45+	0.60 0.60	.025 .026		74 200	902 - 1222 +	49 99	49.50В 50.25В	1.20A 1.25A
2340 2345	2.15 2.20	2.55B 2.60B	1.45A 1.45A		2.55+ 2.60+	0.65 0.65	.027 .028		67 4	700 - 1884 -	13 1	51.25B 52.25B	1.25 1.30A
2350 2355	2.10 2.30	2.65 2.75B	1.50 1.55		2.65+ 2.75+	0.65 0.70	.028 .030		131 31	4330 - 1704 -	107 22	53.25B 54.25B	1.30A 1.35
2360 2365	2.25 2.35	2.80B 2.90B	1.55 1.60		2.80+ 2.90+	0.70 0.75	.030 .032		59 18	874 + 1384	5 UNCH	55.25В 56.00В	1.40 1.40A
2370 2375	1.70 1.90	3.10 3.10 3.15P	1.65A 1.70A		2.95+ 3.05+	0.75	.032		535 299	1925 + 2632 -	153 37	57.25B 58.25B	1.45A 1.45A
2380 2385 2390	1.95 2.20 2.70	3.15B 3.40 3.35B	1.70A 1.75 1.80A		3.15+ 3.20+ 3.30+	0.85 0.85 0.90	.035 .036 .037		13 128 16	1339 - 758 + 556 -	1 41 4	59.25B 60.25B 61.25B	1.50A 1.55A
2390 2395 2400	2.70 2.45 3.05	3.35B 3.45B 3.65	1.85A 1.90A		3.30+ 3.40+ 3.50+	0.95 1.00	.038		16 5 663	881 2774 -	UNCH 431	62.50B 63.50B	1.60A 1.60A 1.65A
2405 2410	2.45 2.60	3.65B 3.80B	1.95A 2.00A		3.60+ 3.70+	1.05	.041		7 8	389 - 741 -	3 6	64.75B 66.00B	1.70A 1.75
THE INFO	RMATION CONTAINED I		OMPILED F	OR THE CONVENIENCE	OF THE USER AND 1	IS FURN	ISHED WIT	HOUT RES	PONSIBILI	ITY FOR ACCU	RACY OR		

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PG48	BULLETIN #123@		E-	MINI S&P 500 PUT OPTIONS	Wed, Jun 27, 2018 PG48
2415 2420 2427 2430 2436 2436 2436 2445 2456 2470 2485 2480 2475 2480 2475 2480 2470 2470 2470 2470 2470 2470 2470 247	2.35 4.05 2.95 3.15 3.20 4.30 3.90 2.55 2.65 3.80 3.20 4.00 4.00 4.00 3.10 3.70 4.00 5.75 6.00 4.45 5.25 7.75 6.00 4.45 5.25 7.75 6.50 8.75 6.50 8.75 6.50 8.75 6.50 8.75 14.00 15.50 12.00 10.75 11.25 20.75 14.00 15.50 12.00 10.75 11.00 15.50 8.75 24.00 25.75 23.75 24.00 24.00 25.75 23.75 24.00 25.75 23.75 24.00 25.75 23.75 24.00 25.75 23.75 24.00 25.75 23.75 24.00 25.75 25.75 25.75 26.50 27.00 31.00 33.75 31.00 35.00 47.50 36.50 37.00 31.00 31.00 33.75 31.00 35.00 36.50 37.00 31.00	3.90B 2.05A 4.00B 2.10A 4.15B 2.10A 4.15B 2.10A 4.25B 2.20A 4.40B 2.25A 4.40B 2.25A 4.55B 2.30A 4.70B 2.40A 5.00B 2.50A 5.00B 2.60A 5.25B 2.65A 5.25B 2.65A 5.25B 2.75A 5.75 2.85A 5.75 2.85A 6.25 3.00A 6.25 3.00A 6.25 3.10A 7.00 3.20A 7.00B 3.40A 7.05 3.30A 7.05 3.30A 7.05 3.65A 7.75 3.00A 7.00B 7.75 3.65A 7.75 3.60A 7.70 3.60A 7.70 3.60A 7.70 3.60A 7.70 3.60A 7.70 3.60A 7.70 3.60A 7		3.80+ 1.10	685 UNCH 67.00B 1.80A 766 UNCH 68.25B 1.80A 2850 - 7 69.50B 1.85A 703 + 30 70.75B 1.90A 1142 - 51 72.00B 1.95 1018 - 102 73.25B 2.00A 1496 + 1 74.50B 2.05A 6258 + 178 76.00B 2.10A 1885 - 1 77.25B 2.15A 1333 - 42 78.75B 2.25A 1021 + 238 80.00B 2.30A 1166 - 4 81.50B 2.55A 1088 + 7 86.00B 2.55A 1088 + 7 86.00B 2.55A 1088 + 7 86.00B 2.70 1133 + 100 89.00B 2.70 12474 - 39 90.50B 2.75A 12495 - 6 92.25B 2.85 1241 - 51 94.00B 2.90A 7864 - 25 95.50B 3.00A 7864 - 25 95.50B 3.30A 3348 + 249 100.75B 3.20 7935 - 72 102.50B 3.35A 3668 - 42 108.00B 3.15A 3948 + 249 100.75B 3.30A 1426 - 92 106.00B 3.55A 6686 - 42 108.00B 3.55A 6686 - 42 108.00B 3.60A 1836 - 69 109.75B 3.70A 7805 - 9 1111.75B 3.40A 4738 - 168 117.50B 4.15A 4992 + 39 119.75B 4.25A 4738 - 168 117.50B 4.15A 4738 - 168 117.50B 4.10A 4738 - 168 117.50B 4.15A 4738 - 168 117.50B 4.15A 4738 - 168 117.50B 4.10A 4738 - 168 117.50B 4.15A 4738 - 174 117.50B 4.15A 4738 - 174 117.50B 4.15A 4738 - 174 117.50B
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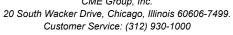




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PG48 BULLETIN #123@	E-MINI S&P 500 PUT OPTIONS	Wed, Jun 27, 2018 PG48
2585 2590 2595 2600 47.00 2610 2615 49.25 2620 2635 2630 2635 2630 51.00 2645 51.00 2645 51.00 2650 68.75 2660 2670 2675 71.75 2680 2675 71.75 2680 2770 2770 73.25 2710 73.25 2710 73.25 2710 73.25 2710 2725 2720 2725 2720 2725 2726 2725 2726 2730 80.00 2735 2740 2775 27760 2775 27760 2775 27760 2775 27760 2775 27760 2775 27760 2775 27760 2775 27760 2775 2780 2790 2790 2790 2790 2790 2790 2805 2800	\$33.25B	95 UNCH 55.50B 30.25A 205 UNCH 66.50B 30.25A 63 UNCH 57.75B 31.50A 523 - 18 69.00B 31.50A 600 UNCH 71.50B 33.00A 20 + 19 62.25B 34.25A 107 UNCH 74.25B 34.25A 107 UNCH 74.25B 34.25A 26 UNCH 77.00B 35.75A 26 UNCH 67.25B 37.25A 335 + 33 80.00B 37.25A 335 + 33 80.00B 37.25A 3411 + 20 69.75B 39.00A 381 UNCH 83.00B 37.25A 381 UNCH 83.00B 37.25A 395 UNCH 89.75B 42.50A 109 - 6 91.50B 43.50A 400 UNCH 86.25B 40.75A 20 UNCH 89.75B 42.50A 20 UNCH 81.75B 64.50A 20 UNCH 81.75B 64.50A 20 UNCH 81.75B 50.75A 200 UNCH 81.75B 50.75A 201 UNCH 88.50B 50.75A 203 UNCH 100.75B 48.50A 204 UNCH 88.50B 50.75A 205 UNCH 106.75B 52.00A 207 UNCH 88.50B 50.75A 340 UNCH 106.75B 52.00A 341 UNCH 111.00B 54.25A 341 UNCH 117.75B 55.50A 342 UNCH 108.75B 53.00A 343 UNCH 108.75B 53.00A 344 UNCH 117.75B 55.50A 346 UNCH 117.75B 55.50A 347 UNCH 117.75B 57.00A 348 UNCH 117.75B 57.00A 349 UNCH 117.75B 67.25A 341 UNCH 117.75B 57.00A 342 UNCH 117.75B 57.00A 343 UNCH 117.75B 57.00A 344 UNCH 117.75B 57.00A 345 UNCH 117.75B 57.00A 346 UNCH 117.75B 67.25A 347 UNCH 117.75B 67.25A 348 UNCH 127.50B 64.00A 349 UNCH 138.25B 70.25A 349 UNCH 138.25B 70.25A 349 UNCH 144.00B 77.50A 349 UNCH 188.50B 95.50A 34994 + 1025
TINI 18	#.05	UNCH .05 .05 328 1.558 .05 517 1.658 .05 517 1.658 .05 604 1.758 .05 1675 1.808 .05 949 1.908 .05 940 1.908 .05 910 2.008 .05A 974 2.158 .05 1163 2.508 .05 1163 2.508 .05 1163 2.808 .05 1658 3.658 .05 186 4.758 .05 186 4.758 .05 186 4.758 .05 1868 6.50 .05 1857 .05 1891 8.50 .05 1891 8.50 .05 1337 7.75 .05 1486 19.75 .05 1925 12.75 .05 1925 12.75 .05 1339 13.50 .05 2473 21.258 .20 1395 24.008 .30 2473 21.258 .20 1395 24.008 .30 1395 24.008 .30 1395 24.008 .30 1395 24.008 .30 1395 24.008 .30 1395 24.008 .30 1395 24.008 .30 1593 39.00 2.30 218 41.008 3.75 953 39.00 2.30 218 41.008 3.75 953 39.00 2.30 218 41.008 3.75 953 39.00 2.30 218 41.008 3.75 953 39.00 6.25A 418 53.758 7.25A 418 53.758 7.25A 418 53.758 7.25A 48 83.25 16.00A
JUL 18         MDW MID           1920            1950         .05           1960         .05           1970         .05           1977         .05           1980         .05           2000         .05           2040            2080            2140            2150         .05           2190         .15           2240            2290            2310            2311            2315         .30           2325         .30           2335         .30           2335         .30           2335         .30           2335         .30           2335         .20           2336         .35           2350         .35           2350         .35           2385         .40           2385         .40           2380            2410            24415            2445         .60 </td <td>(FUTURES SETT00)</td> <td>1 UNCH .05 .05 .05 .21 + 2 .05 .05 .05 .21 + 21 .108 .05 .05 .11 + 1 .108 .05 .11 + 1 .108 .05 .14 + 14 .108 .05 .14 + 14 .108 .05 .14 + 14 .108 .05 .125 .006 .125 .006 .125 .006 .125 .006 .125 .100 .100 .100 .100 .100 .100 .100 .10</td>	(FUTURES SETT00)	1 UNCH .05 .05 .05 .21 + 2 .05 .05 .05 .21 + 21 .108 .05 .05 .11 + 1 .108 .05 .11 + 1 .108 .05 .14 + 14 .108 .05 .14 + 14 .108 .05 .14 + 14 .108 .05 .125 .006 .125 .006 .125 .006 .125 .006 .125 .100 .100 .100 .100 .100 .100 .100 .10

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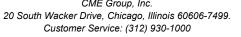




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PG48 BULLETIN #123@	E-MINI S&P 500 PUT OPTIONS	Wed, Jun 27, 2018 PG48
2540 1.15 2545 1.20 2550 1.25 2555 1.35 2560 1.40 2565 1.50 2570 1.60 2577 1.65 2588 1.10 2590 1.15 2590 1.15 2600 1.10 2605 1.45 2610 1.35 2610 1.35 2610 1.35 2615 1.05 2620 1.60 2625 1.15 2630 1.25 2630 1.25 2635 2640 2.00 2645 5.00 2655 3.80 2660 7.25 2636 3.60 2657 4.35 2660 7.25 2665 3.60 2677 4.35 2680 6.25 2685 13.50 2690 13.50 2690 13.50 2715 9.50 2710 6.50 2715 9.50 2710 6.50 2715 9.50 2710 6.50 2720 11.50 2720 11.50 2735 14.00 2745 2750 2750 2750 2750 2755 27670 27680 2770 27650 27650 2770 27650 27650 2770 27650 27650 2770 27650 27650	1.258	42 + 2 9.25B 1.15A  182 + 127 10.00B 1.25A  102 + 25 10.75 1.40A  596 + 177 11.50B 1.45  45 - 26 12.25B 1.65A  209 UNCH 13.25B 1.80A  282 + 60 14.25B 2.00A  413 - 13 16.50B 2.45A  385 + 323 17.75B 2.75  181 + 72 19.25B 3.05A  159 + 37 20.75 3.40A  150 + 42 24.00 3.85A  361 - 36 26.00 4.35A  108 + 93 26.00 4.95A  70 - 2 27.75B 5.50A  913 + 42 30.00B 6.00A  337 + 220 32.25B 6.50A  301 + 13 34.75B 7.25A  89 + 31 37.25B 8.00A  69 + 38 40.25B 8.75A
MWW MID 1910 1940 1950 2000 2000 .05 2225 .15 2230 .15 2230 .15 2230 .15 2230 .15 2230 .70 2240 2260 .15 2275 2280 2305 .70 2335 2335 .75 2344 .15 2345 .45 2345 .45 2350 .15 2350 .45 2360 .15 2360 .65 2365 .15 2360 .65 2365 .70 2370 .25 2375 .25 2380 .25 2400 .25 2400 .25 2400 .25 2400 .25 2400 .25 2415 2410 .20 2445 .50 2450 .20 2445 .50 2450 .20 2455 2460 .25 2460 .1,55 2550 .60 2500 .60 2505 .40 2510 2510 2510 2510 2510 2510 25255 .50 2590 .10 2590 .40 2590 .15 2590 .40 2590 .15 2590 .10 2590 .10 2590 .10 2595 .50 2590 .115 2590 .105 2595 .30 2580 2585 .105 2590 .115	GENTURES SETT000	6 + 6 30B .10A 3 + 3 .45B .30 200

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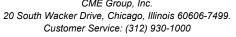


		FINAL			
PG48 BULLETIN #123@		E-MINI S&P 5	00 PUT OPTIONS		Wed, Jun 27, 2018 PG48
2605 5.75 2610 1.80 2610 6.25 2611 1.90 2615 6.75 2620 2.15 2620 7.00 2625 2.10 2625 7.50 2630 1.85 2630 1.85 2640 3.95 2640 4.00 2645 4.00 2645 4.00 2645 4.05 2650 6.25 2650 4.80 2655 2.15 2650 4.80 2655 2.15 2650 4.80 2665 7.00 2665 7.00 2666 4.90 2665 7.00 2666 8.75 2670 6.25 2670 6.25 2670 8.75 2680 3.85 2690 12.50 2690 12.50 2690 12.50 2690 12.50 2690 12.50 2690 12.50 2700 9.50 2705 13.00 2705 13.00 2705 13.00 2710 18.75 2715 16.75 2715 16.75 2715 16.75 2715 12.50 2720 13.00 2725 13.75 2730 17.00 2735 10.75 2740 13.25 2740 20.00 2755 2765 2775 2795 2800 2775 2800 2775 2800 2775 2795 2800 2775 2800 2775 2800 2775 2795 2800 2775 2800 2775 2795 2800 2775 2800 2775 2795 2800 2775 2800 2775 2795 2800 2775 2800 2775 2795 2800 2775 2800 2775 2795 2800 2775 2800 2775 2795 2800 2775 2800 2775 2800 2775 2795 2795 2795 2795 2800 2775 2795 2795 2795 2795 27078 27078	#6.75B		6.80 NEW 2.25+ 0.90 7.30 NEW 2.25+ 0.90 7.80 NEW 2.75+ 1.15 8.30+ 3.60 8.90 NEW 3.45+ 1.35 8.90 NEW 3.45+ 1.55 3.85+ 1.80 11.00 NEW 5.50+ 2.75 12.80 NEW 6.10+ 3.05 13.80 NEW 6.10+ 3.05 13.80 NEW 6.10+ 3.05 13.80 NEW 6.10+ 3.05 13.80 NEW 7.80+ 4.05 15.90 NEW 8.70+ 4.50 17.10 NEW 9.80+ 5.10 11.00+ 5.70 19.80 NEW 12.30+ 6.30 21.20 NEW 12.30+ 11.90 23.30+ 11.90 24.50+ 11.90 26.20+ 11.90 27.10+ 8.60 28.20+ 11.90 28.20+ 11.90 29.30- NEW 17.10+ 8.60 19.10+ 9.50 28.20+ 11.90 28.20+ 11.90 29.30- NEW 29.10+ 13.70 30.20 NEW 29.10+ 13.70 30.20+ 20.20 30.20+ 20.20 30.20+ 20.20+ 20.20 30.20+ 20.20+ 20.20	.129 10 .056 357 .138 35 .063 37 .148 89 .071 224 .158 8 .080 247 .170 13 .091 146 .209 146 .209 15 .116 85 .132 2 .225 122 .150 595 .242 31 .168 35 .259 15 .277 44 .214 255 .277 44 .214 255 .277 44 .214 255 .277 44 .317 72 .268 35 .362 11 .334 100 .386 23 .371 108 .495 50 .495 50 .666 50 .666 50 .6786 24 .571 59 .990 59 .996994899689968996899789978998599969995999599959995999599959996	10 + 10 6.75B 2.35A 383 + 355 5.50B 6.60A 35 + 35 7.25B 2.45A 266 + 2 6.50 .65A 775 + 75 7.75B 2.60A 13 + 13 8.75B 2.95A 264 + 175 7.00B .75A 264 + 175 7.00B .75A 264 + 175 7.00B .85A 27 + 13 8.75B 2.95A 21 + 1 11.00B 3.55A 27 + 1 9.50B 1.00A 27 + 1 11.00B 1.25B 1.10 30 333 + 26 11.00B 1.25B 1.10 30 333 + 26 11.00B 1.20B 4.10A 333 + 26 11.00B 1.20B 4.10A 335 + 35 14.50B 4.10A 355 + 55 13.50B 4.40A 356 + 74 12.00B 1.30A 357 + 72 16.75B 5.25A 352 + 61 14.00B 1.50A 265 - 5 13.00B 1.50A 265 - 5 13.00B 2.05 27 + 72 16.75B 5.50A 402 + 208 15.25B 1.85A 474 + 341 16.50B 2.05 11 + 11 19.50B 6.50A 216 + 41 17.75B 2.35A 23 + 23 21.00B 7.00A 216 + 41 17.75B 2.35A 217 + 72 16.75B 3.65A 218 + 24 20.75B 3.05A 219.25B 2.70A 216 + 41 17.75B 3.65A 217 + 72 20.75B 3.05A 218 + 41 20.75B 3.05A 219.25B 2.70A 215 + 44 20.75B 3.05A 216 + 41 20.75B 3.05A 217 + 72 27.75B 3.05A 218 + 44 20.75B 3.05A 219.25B 2.75A 219.25B 2.75A 219.25B 2.75A 227 + 27 29.75B 10.00A 227 + 27 29.75B 10.755 25 UNCH 32.00B 11.75A 259 + 35 31.00B 4.60A 267 + 9 33.75B 4.95A 267 + 9 33.75B 4.95A 268 + 8 34.25B 12.75A 279 + 9 33.75B 4.95A 281 + 24 25.75B 7.25A 282 + 25 29.5B 3.50A 283 + 32 45.50B 18.25A 284 + 142.25B 8.00A 285 + 36 39.50B 15.25A 286 + 36 39.50B 15.25A 287 + 9 374 287 - 288 2.25B 3.50A 3 UNCH 64.25B 12.75A 3 UNCH 69.25B 13.50A 3 UNCH 69.25B 13.50A
1170 1190 1220 1225	(FUTURES SETT00)	  	CAB CAB CAB		60 UNCH 6.00B .20A 68 UNCH 6.80B .25A 25 UNCH 8.20B .25A 24 UNCH 9.40B .25A
1240 1250 1280	 	 	CAB CAB		44 UNCH 9.40B .30A 30 UNCH 10.10B .30A 81 UNCH 12.30B .40A
1290 1300 1310			CAB CAB		1 UNCH 13.20B .40A 296 UNCH 14.10B .25A 22 UNCH 15.20B .50A
1320 1325 1345		 	CAB CAB		15 UNCH 16.20B .30A 4 UNCH 16.80B .05 25 UNCH 19.40B .25A
1350 1355 1365			CAB CAB05 UNCH		10 UNCH 20.10B .25A 4 UNCH 20.80B .30A 6 UNCH 22.30B .10
1385 1395 1400		====	.05 UNCH .05 UNCH .05 UNCH	.000	1 UNCH 25.70B .35A 53 UNCH 27.60B .40A 27 UNCH 28.60B .10A
1405 1415			.05 UNCH .05 UNCH	.000	21 UNCH 29.60B .10A 1 UNCH 31.80B .10A
1420 1425 1435			.05 UNCH .05 UNCH .05 UNCH	.000	57 UNCH 33.00B .10A 34 UNCH 34.20B .10A 4 UNCH 36.80B .10A
1445 1455 1460	=======================================		.10+ 0.05 .10+ 0.05 .10+ 0.05	.000 .000 .000	60 UNCH 39.50B .10A 43 UNCH 42.50B .10A 33 UNCH 44.10B .10A
1465 1470 1475	==== ====		.10+ 0.05 .10+ 0.05 .10+ 0.05	.000 .000 .000	77 UNCH 45.70B .10A 54 UNCH 47.40B .10A 28 UNCH 49.20B .10A
1480 1485 1490			.15+ 0.05 .15+ 0.05 .15+ 0.05	.001 .001 .001	1 UNCH 57.30B .10A 16 UNCH 54.70B .10A 35 UNCH 56.70B .10A 35 UNCH 63.60B .15A
1495 1500 1505			.15+ 0.05 .20+ 0.10 .20+ 0.10	.001 .001 .002	25 UNCH 59.60B .15A 6 UNCH 68.20B .15A
1510 1515 1520 1525	.15B .15B .15B		.20+ 0.10 .25+ 0.15 .25+ 0.15	.002 .002 .003	11 UNCH 64.50B .15A 2 UNCH 67.00B .20A 52 UNCH 69.30B .20A
1530 1535	.20B .20B		.25+ 0.15 .30+ 0.15 .30+ 0.15 .30+ 0.15	.003 .004 .004 .004	122 UNCH 78.30B .20A 15 UNCH 74.90B .20A 18 UNCH 82.30B .20A 101 UNCH 80.30B .25A
1540 1545 1550 1555	.25B .25B .30B .35B		.35+ 0.20 .35+ 0.20	.005 10 .005 10	5 UNCH 83.10B .25A 261 + 10 90.80B .20
1560 1565	.40B .45B		.45+ 0.25 .50+ 0.30	.008 .010	18 UNCH 92.70B .30A 13 UNCH 95.70B .35A
1570 1575 1580 1585	.50B .60B .70B .85B	  	.55+ 0.30 .60+ 0.35 .70+ 0.40 .85+ 0.50	.012 .014 .018 .024	43 UNCH 94.70B .35A 11 UNCH 97.90B .40A 11 UNCH 100.80B .40A 70 UNCH 104.00B .45A
1585 1590 1595 1600	1.00B 1.25B 1.55B *.45A		1.00+ 0.65 1.25+ 0.85 1.50+ 1.00	.024 .030 .041 .053	38 UNCH 107.50B .45A 25 UNCH 111.00B .50A
1600 1605 1610 1615	1.55B		1.50+ 1.00 1.85+ 1.30 2.30+ 1.65 2.85+ 2.10	.069 .069 .121 1	27 UNCH 114.60B .45A 2 UNCH 118.30B .45A 3 UNCH 122.40B .50A 107 UNCH 125.80B .55A
1615 1620 1.25 1625 1630	2.908 *.55A 3.60B *.65A 4.60B *.75A 5.70B *.90A		3.55+ 2.65 4.40+ 3.30 5.40+ 4.10	.158 1 .158 3 .205 1	63 - 2 130.10B .65A 41 UNCH 134.10B .75A 27 + 1 137.80B .90A
1635 1640 1645	7.20B *1.05A 8.90B *1.35A 11.00B *1.70A		6.80+ 5.20 8.40+ 6.45 10.50+ 8.05	.333 1 .415 10	7 UNCH 141.90B 1.05A 12 UNCH 146.30B 1.35A 81 UNCH 150.50B 1.70A
1650 6.60 1655 4.35 1660 3.85	13.60B		12.90+ 9.85 15.90+ 12.05 19.30+ 14.45	.607 16 .701 246 .786 257	146 - 6 154.80B 2.15A 172 + 124 159.10B 2.70A 162 + 94 163.40B 3.00A
1665 11.60 1670 8.00 1675 13.50	23.60B 4.80A 26.40B 6.20A		23.10+ 17.00 27.30+ 19.50 31.70+ 21.90	.853 17 .905 5 .942 178	29 + 15 167.80B 3.40A 31 - 1 172.30B 3.90A 163 + 116 175.80B 4.45A
1680 11.50 1685 15.00 1690 23.90	30.10B 8.10A 34.70B 10.60A 39.40B 13.50A 44.40B 17.00A		36.30+ 24.00 41.10+ 25.90 45.90+ 27.20	. 964 176 . 980 1 . 988 1	16 - 3 180.20B 4.25 76 UNCH 184.90B 6.00A 20 - 1 189.40B 6.90A
1690 23.90 1695 1700 1705	49.20B 22.00A 54.20B 59.20B		50.80+ 28.20 55.70+ 28.90 60.70+ 29.40	.993 1 .993 .997	15 UNCH 194.10B 8.00A 45 UNCH 198.70B 9.30A 6 UNCH 203.40B 10.90A
1710 1715 1720	64.10B 51.00B 55.90B		65.60+ 29.60 70.60+ 29.80 75.60+ 29.90	. 999 . 999 . 999	2 UNCH 208.10B 12.70A 12 UNCH 212.90B 14.80A 1 UNCH 217.60B 17.20A
TOTAL JUL18 RTM EOM	(FUTURES SETT00)			751	3449 + 347
1000 THE INFORMATION CONTAINED IN THI	 IS REPORT IS COMPILED FO	R THE CONVENIENCE OF TH	.05 UNCH E USER AND IS FURNIS	.000	2 UNCH 4.90B .65A TY FOR ACCURACY OR CONTENT. IT IS

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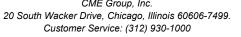
# CINIAI

PG48 RULLETTN #123@	FINAL  F-MINT S&P 500 PUT OPTIONS	Wed Jun 27 2018 PG48
PG48 BULLETIN #123@  1125	E-MINI SAP 500 PUT OFTIONS	Wed, Jun 27, 2018 PG48
1605 1610 1610 1610 1615 1620 1620 1620 1625 7.20	#18.30B 7.80A 18.00 NEW .397 - 23.20B 11.80A 23.00+ 10.30 .412 - 29.80B 17.70A 30.00+ 11.60 .445 - #20.10B 8.60A 19.70+ 10.20 .429 - 25.00B 12.80A 30.30 NEW .468 - #30.60B *17.20A 30.30 NEW .468 - 16.10B 4.90A 15.80+ 9.80 .453 - #21.90B 9.50A 21.50+ 11.00 .462 - 31.70B 18.90A 31.90+ 12.40 .468 - 26.80B 13.80A 26.60+ 11.80 .466 - 26.80B 13.80A 33.80+ 13.00 .492 - 28.80B 14.90A 33.80+ 13.00 .492 - 28.80B 14.90A 28.50+ 12.50 .495 - #20.30B 6.60A 20.00+ 12.20 .550 - 35.80B 21.50A 36.00+ 13.80 .517 -	25 68 + 25 132.608 4.80A 6 UNCH 84.70B 7.10A 72 UNCH 12.80B 3.50A 12 UNCH 87.90B 7.50A 14 UNCH 136.30B 5.10A 69 69 + 69 10.70B 2.15A 22 173 + 22 140.40B 5.50A 22 173 + 22 140.40B 5.50A 66 66 + 66 15.30B 4.00A 66 66 + 66 15.30B 4.00A 10 10 + 10 12.70B 2.60A 10 UNCH 98.60B 8.80A

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1655 1655 11.20 1655 16.80 1655 16.80 1655 1660 1660 1660 1665 1665 20.70 1665 1670 12.30 1670 20.50 1670 25.30 1675 21.70 1675 1675 21.20 1675 21.70 1675 21.20 1675 21.70 1680 1680 21.70 1680 1680 31.70 1685 36.90 1685 36.90 1685 37.50 1685 1685 36.90 1685 1690 37.90 1690 37.90 1690 30.30 1690 1690 30.30 1690 1695 34.10 1700 1700 1700 1700 1700 1710 1710 1710 1710 1710 1710 1710 1710 1710 1710 1710 1710 1710 1710 1720 1720 1740 1740 1740 1745 1745 1745 1745	#36.90B	14 + 14 36.90B 21.10A 81 - 48 22.80B 4.50A 4 + 4 28.50B 6.90A 80 - 18 172.40B 9.50A 40 UNCH 25.60B 4.95A 5 UNCH 126.90B 13.50A 150 UNCH 31.10B 7.60A 17 UNCH 28.70B 5.50A 1 UNCH 176.70B 10.20A 17 UNCH 28.70B 5.50A 1 UNCH 131.20B 14.40A 50 UNCH 33.80B 8.20A 89 UNCH 131.20B 6.10A 25 - 1 32.00B 6.10A 11 UNCH 33.80B 11.80A 25 - 1 32.00B 6.10A 11 UNCH 36.80B 9.00A 102 - 1 185.30B 11.80A 11 UNCH 36.80B 9.00A 102 - 1 185.30B 11.80A 14 UNCH 47.30B 27.90A 14 UNCH 47.30B 27.70A 12 UNCH 140.00B 16.40A 13 + 7 40.00B 9.80A 42 UNCH 190.10B 12.80A 77 + 5 38.30B 7.70A 12 UNCH 43.50B 10.80A 42 UNCH 194.20B 13.80A 42 UNCH 194.20B 13.80A 42 UNCH 194.20B 13.80A 43 UNCH 47.10B 11.80A 44 UNCH 47.10B 11.80A 45 UNCH 149.60B 14.90A 46 UNCH 198.60B 14.90A 31 UNCH 47.10B 11.80A 48 UNCH 49.80B 13.00A 48 UNCH 53.70B 14.30A 49 S0
AUG18 RTM EOM 1050 1125 1120 1200 1.40 1225 1230 1250 1260 1275 1280 1280 1400 1440 1450 6.80 1450 1450 6.80 1450 1450 6.00 1460 1460 1470 1475 1480 1515 1520 1530 1550 1550 1550 1550 1550 1550 1550 1550 1550 1550 1550 1550 1570 1570 1575 1580 1575 1585 1580 1595 1590 1590 1515 1515 1520 1520 1520 1530 1555 1560 1570 1575 1580 1575 1585 1560 1570 1575 1580 1565 1560 1570 1575 1580 1565 1560 1570 1575 1580 1570 1575 1580 1565 1660 1570 1570 1575 1580 1585 1660 1675 1630 1655 1660 1675 1675 1685 1690 1675 1690 1675 1690 1690 1710 1710  1710  1710  1710  1711	CFUTURES SETT	46 UNCH 2.40B .45A 180 UNCH 3.70B .50A 7 UNCH 4.20B .60A 90 + 89 5.70B .80A 7 UNCH 6.60B .95A 83 UNCH 6.80B .70 143 + 1 7.30B .90A 2 UNCH 2.60 1.55A 2 UNCH 2.60 1.55A 2 UNCH 8.20B 1.20A 8 UNCH 9.10B 1.15A 100 UNCH 9.30B 1.00A 45 UNCH 10.60B 1.15A 1 UNCH 18.00B 1.95A 4 UNCH 23.60B 2.60A 4 UNCH 23.60B 2.20A 2 UNCH 23.60B 2.60A 4 UNCH 25.30B 2.90A 2 UNCH 23.60B 2.60A 4 UNCH 25.30B 3.10A 2 UNCH 10.00B 4.65A 2 UNCH 10.00B 4.65A 2 UNCH 10.00B 4.65A 1 UNCH 10.00B 4.65A 2 UNCH 32.30B 3.10A 3 UNCH 32.30B 3.50A 10 UNCH 33.50B 3.60A 10 UNCH 33.50B 3.60A 10 UNCH 37.30B 4.00A 3 UNCH 46.20B 5.10A 1 UNCH 46.20B 5.10A 1 UNCH 46.90B 7.40A 1 UNCH 47.90B 5.30A 1 UNCH 47.90B 5.
OCT18 RTM EOM 1400 1450 IS.20 1500 1600 1775 1785 1790 1815	(FUTURES SETT. 00)       13.70       NEW       .111        20         18.10B        18.20+       4.30       .149           19.20B       18.20        19.30       NEW       .158           45.70B       38.90A        45.60+       10.60       .364           101.50B       80.00A        101.10+       20.90       .690           135.50B       111.20A        136.60+       25.10       .820           #143.60B       118.40A        144.60+       25.90       .843           #168.90B        170.10+       27.70       .898	20 + 20 15.40B 7.00A 36 UNCH 20.90B 9.20A 1 + 1 22.20B 9.80A 44 UNCH 28.60B 12.40A 1 UNCH 54.60B 23.30A 1 UNCH 121.30B 57.40A 22 UNCH 160.80B 83.20A 29 UNCH 143.60B 89.40A 23 UNCH 173.70B 92.60A 14 UNCH 168.90B 110.30A

Side 29

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#### **FINAL**

E-MINI S&P 500 PUT OPTIONS BULLETIN #123@ Wed, Jun 27, 2018 PG48 PG48

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

OPTIONS EOO'S, BLOCKS and EXERCISES							
RODUCT	STRIKE PRICE	EOO VOLUME	BLOCK VOLUME	M-T-D BLOCK VOLUME	OPTION EXERCISES	M-T-D OPTION EXERCISES	Transfer VOLUME
MINI S&P CALL SEP18 CALL	E-MINI S&P 500 OP	PTIONS					
EZ CALL	1000					1	0.00
OTALS		0	0	0	0	1	0
MAR19 CALL	1625					70	0.00
EZ	1625					70	0.00
OTALS		0	0	0	0	70	0
MINI S&P PUT	E-MINI S&P 500 OP	PTIONS					
SEP18 PUT EZ	3070					427	0.00
TALS		0	0	0	0	427	0
W MID UN18 CALL	E-MINI S&P 500 WE	DNESDAY WEEKLY OPT					
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
:4C	2695				2	2	0.00
4C	2700				81	81	0.00
ALS		0	0	0	164	164	0
MID N18 PUT	E-MINI S&P 500 WE	DNESDAY WEEKLY OPT					
4C	2705				1414	1414	0.00
4C	2710				1378	1378	0.00
łc	2715				1896	1896	0.00
4C	2720				1170	1170	40.00
4C	2725				1259	1259	0.00
4C	2730				1158	1158	0.00
E4C	2735				1101	1101	0.00
:4C	2740				1272	1272	40.00
E4C	2745				860	860	0.00
E4C	2750				1266	1266	0.00
E4C	2755				388	388	0.00
:4C	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
ΓALS		80	0	0	14655	14655	80