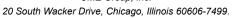
METALS OPTIONS PRODUCTS

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CME Group, Inc.





Side 01

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PG64 BULLETIN #225@

METALS OPTION PRODUCTS

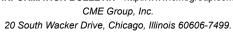
Tue, Nov 21, 2023 PG64

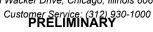
THE CME GROUP DAILY BULLETIN ONLY DISPLAYS THOSE PRODUCTS/CONTRACT MONTHS THAT HAVE VOLUME AND/OR OPEN INTEREST. VOLUME INCLUDES GLOBEX OPEN OUTCRY (TRADING FLOOR) AND PRIVATELY NEGOTIATED TRANSACTIONS (PNT) THAT INCLUDE CME CLEARPORT ACTIVITY. VOLUME OR OPEN INTEREST CHAN AND AFTER THE LAST DAY OF TRADING) MAY BE AFFECTED BY: PRIVATELY NEGOTIATED TRANSACTIONS, PRIOR DAY CLEARED TRADES, POSITION ADJUSTMENTS, CASH SETTLEMENTS, OPTION EXERCISES OR ASSIGNMENTS.

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

DAY'S SETTLEM	N AND NO BETTER E					ONTRACTS									
EXPIRATION: AX OPT	NOV23	NOV23 NOV2	11/27	JAN24 12/26	FEB24 01/25	MAR24	APR24	MAY24	JUN24	JUL24	AUG24	4 SEP	24 00	CT24	
ECGC OOF ECHG OOF ECSI OOF		11/20 11/2 11/20 11/2 11/20	21 21	•											
FMG OPT GMW MON	11/24 11/20 11/29 11/20 11/28 11/29	11/20	12/08 12/18	01/08											
GWW WED HMW MON HRO OPT	11/29 11/20 11/28		12/08 12/18 12/13 12/18 12/26 12/13	01/30 01/03	02/27 02/07	03/26 03/06	04/23	05/28	06/25	07/30	08/2	7 09/	24		
HWW WED HX CALL HX PUT	11/29		12/13 11/27 11/27 12/15	01/03 12/26 12/26	02/07 01/25 01/25	03/06 02/26 02/26	03/25 03/25	04/25 04/25	05/28 05/28	06/25 06/25	07/2 07/2	5 08/ 5 08/	27 27 09	9/25	
HXE CALL HXE PUT ICT OPT	11/24 11/24		$\frac{12}{15}$ $\frac{12}{15}$		01, 20	02,20	04/30	05/31	06/28	00, 25	0.,_	5 00,		,, = 3	
MMG MON OG CALL	11/20		$\frac{12/18}{11/27}$	12/26 12/26	01/25 01/25	02/26 02/26	03/25	04/25 04/25	05/28	06/25	07/2 07/2	5 08/ 5 08/	27 09	9/25	
OG PUT OG1 CALL OG1 PUT			11/27 11/27 12/01 12/01	12/26	01/25	02/26	03/25	04/25	05/28	06/25	07/2	5 08/	27 09	9/25	
OGZ CALL OGZ PUT OG3 CALL			12/01 12/08 12/08 12/15												
OG3 PUT OG4 CALL OG4 PUT	11/24 11/24		12/15												
OMG OPT PAO CALL PAO PUT	11/21		11/27	12/26 12/20	01/25 01/17	02/26 02/21 02/21	03/25		05/15						
PO CALL PO PUT	11 /20		12 /10	12/20 12/20 12/20 12/20	01/17 01/17 01/17 01/17	02/21	03/20 03/20		03/13	06/18 06/18			09	9/18	
SMW MON SO CALL SO PUT	11/20		$\frac{12/18}{11/27}$ $\frac{11/27}{11/27}$	01/08 12/26 12/26	01/25 01/25	02/26 02/26	03/25 03/25	04/25 04/25		06/25 06/25		08/ 08/	27 27		
SO1 CALL SO1 PUT SO2 CALL			12/18 11/27 11/27 12/01 12/01 12/08												
SO2 PUT SO3 CALL SO3 PUT			12/08 12/15 12/15												
SO4 CALL SO4 PUT SWW WED WMG WED	11/24 11/24 11/29 11/29		12/13 12/06												
				GC	OLD OPTIO	NS ON FUT	URES								
GLOBEX OPEN	OPEN OUTCRY OPEN RANGE	GLOBEX HIGH/LOW	OPEN OUTCR HIGH/LOW	Y	OPEN OUTO		SETT. & PT.	PRICE CHGE.		EXER OL		LOBEX® F	PNT VOLUME	INTE	OPEN REST
WMG WED NOV23 1965	MICRO GOLD WEEKL	Y WED OPTION WE	EK4 1.60B/*0.30)A			0.20	- 1.90	.0032					0	UNCH
1970 1970 1975		/*0.40A #39.60B/13.40A /*1.00A	2.70B/*0.40 #39.60B/13 3.50B/*1.00)a . 40a			0.30 31.90	- 2.90 + 18.40 - 2.80	.0068 .9931					0 1 2	UNCH UNCH UNCH
1980 0.80 1995 7.60 1995	0.80 7.60	0.80/*0.70A 15.60B/7.20 #37.00B/15.70A	6.70B/*0.70 15.60B/2.70 #37.00B/15)A)A			0.60 9.70 30.10	NEW NEW	.0253 .7398			1 2		1 + 1 + 1	1 1 UNCH
2000 2000 5.40 2005 7.60	5.40 7.60	#32.80B/13.10A 12.50B/5.40 9.30B/4.70	#32.80B/13. 12.50B/1.90 9.30B/1.40A	. 10a)a			26.10	+ 12.80 + 5.00 NEW	.7766 .5621			1 6		2 1 6 +	UNCH UNCH 6
2010 3.00 2025 1.20 2030 0.30	3.00 1.20 0.30	6.70B/3.00 2.10B/1.20 1.30B/0.30	6.70B/1.10A 2.10B/0.50A 1.30B/0.30	A			2.90 0.80 0.50	NEW NEW NEW	.0323			4 1 1		2 + 1 + 1 +	2 1 1
2035 10.20 2040 0.40 TOTAL	10.20 0.40	#11.00B/8.80 0.50B/*0.40	#11.00B/3.2 0.50B/0.40	20A			7.50 0.30	NEW NEW				4 1 21		0 1 + 20+	UNCH 1 13
DEC23 1970 4.80	4.80	4.80/*2.30A /*2.80A	5.80B/*2.30)A			2.60	NEW				1		1 +	1
1975 2010 19.10 TOTAL	19.10	19.10/*10.30A	7.10B/*2.80 22.80B/*10	.30A			3.20 12.20	- 4.40 NEW				3 4		1 + 3+	UNCH 1 2
GLOBEX OPEN	OPEN OUTCRY OPEN RANGE	GLOBEX HIGH/LOW	OPEN OUTCR HIGH/LOW	Y	OPEN OUTO		SETT. & PT.	PRICE CHGE.		EXER OL		ILOBEX® I	PNT VOLUME	INTE	OPEN REST
OMG OPT DEC23 1945	MICRO GOLD OPTIC	ONS					57.00	+ 20.40						1	UNCH
1950 1960 0.90 1970	0.90	/*0.50A 0.90/*0.70A /*1.10A	1.40B/*0.50 3.00B/*0.70 5.80B/*1.10)A)A)A			0.50 0.80	- 1.30 - 2.60 - 4.90				2		1 10 + 3	UNCH 2 UNCH
1985 20.50 1990 1990	20.50	27.10B/20.50 23.20B/6.80A	27.10B/8.70 23.20B/6.80)A			20.30	+ 11.60 - 11.40				1 		1 1 1	UNCH UNCH UNCH
2000 TOTAL								- 14.50				3		2 20+	UNCH 2
JAN24 1895 1900		/*1.10A /*1.20A	1.70B/*1.10 1.90B/*1.20)A				- 1.00						1 1	UNCH
2000 39.00 2015 30.20 2030 26.80	39.00 30.20 26.80	45.40B/27.20A 36.50B/20.80A 28.90B/15.80A	45.40B/27.2 36.50B/20.8 28.90B/15.8	30a 30a			31.40 24.60	+ 12.20 NEW NEW				3 4 3		3 + 0 3 +	UNCH 3
2050 19.30 TOTAL FEB24	19.30	20.90B/10.80A	20.90B/10.8	SUA			17.40	+ 6.50				2 12		1 9+	UNCH 4
1850 1930		/*1.90A /*7.90A 55.40B/38.10A	2.10B/*1.90 11.00B/*7.9 55.40B/38.1	90A			8.50	- 0.60 - 3.20 + 12.30						1 2 2	UNCH UNCH UNCH
2010 2100		49.90B/ 17.80B/	49.90B/33.8 17.80B/11.1	30A			45.30 15.70	+ 11.50						0 2 7	UNCH UNCH 0
TOTAL MAR24 1700			0.50B/*0.70)A			0.50							1	UNCH
1810 2.00 1860 1885	2.00	2.00/*2.00 /*3.80A /*5.50A	2.00/*2.00 4.50B/*3.80 6.70B/*5.50)A)A			1.90 4.00	- 0.40 - 0.90				2 		3 2 1	UNCH UNCH UNCH
2000 31.00 2155 2175	31.00	31.00/*28.80A 19.80B/ 16.60B/	37.50B/*28. 19.80B/13.7 16.60B/11.5	. 80a 70a			30.90 18.10 15.10	- 1.50 - 7.40 + 4.70 + 3.90				1 		0 - 1 1	1 UNCH UNCH
2280 2300 TOTAL		6.90B/ 5.90B/	6.90B/5.00A 5.90B/4.30A	A			6.30	+ 1.60 + 1.30				 3		1 3 13 -	UNCH UNCH 1
APR24															

METALS OPTIONS PRODUCTS





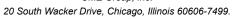


PG64	BULLET	IN #225@		М	ETALS OPTION	PRODUCTS				Tue,	Nov 21,	, 2023 PG64
	GLOBEX OPEN	OPEN OUTCRY OPEN RANGE	GLOBEX HIGH/LOW	OPEN OUTCRY HIGH/LOW	OPEN OUTCRY CLOSE RANGE	SETT.PRICE & PT.CHGE.	DELTA	EXER CISES	OPEN OUTCRY VOLUME	GLOBEX® VOLUME	PNT VOLUME	OPEN INTEREST
OMG OP APR24 1950 2010 2030 TOTAL	T 20.70 76.50 	MICRO GOLD OPTI 20.70 76.50	20.70/*20.40A 78.40B/60.70A 67.90B/	25.60B/*20.40A 78.40B/60.70A 67.90B/52.00A		21.70 NEW 73.60 + 12.80 63.50 + 11.60				1 1 2		1 + 1 0 - 1 1 UNCH 2 0
	GLOBEX OPEN	OPEN OUTCRY OPEN RANGE	GLOBEX HIGH/LOW	OPEN OUTCRY HIGH/LOW	OPEN OUTCRY CLOSE RANGE	SETT.PRICE & PT.CHGE.	DELTA	EXER CISES	OPEN OUTCRY VOLUME	GLOBEX® VOLUME	PNT VOLUME	OPEN INTEREST
OG4 PU NOV23 1760 1810 1820 1825 1830 1835 1840 1840 1840 1850 1865 1870 1875 1990 1995 1915 1925 1930 1935 1940 1940 1940 1940 1950 1950 1950 1950 1965 1975 1985 1990 2005 2010 2025 2045 2050 2070 2070 2070 2070 2070 2070 207	T	GOLD OPTIONS		/0.10A/0.10A/0.10A 0.10B/0.10A 0.10B/0.10A 0.10B/0.10A 0.10B/0.10A 0.10B/0.10A 0.10B/0.10A 0.10B/0.10A 0.10B/0.10A 0.10B/0.10A 0.20B/0.10A 0.20B/0.10A 0.20B/0.10A 0.20B/0.10A 0.20B/0.10A 0.20B/0.10A 0.20B/0.10A 0.20B/0.10A 0.30B/0.10A 0.40B/0.10A 0.40B/0.10A 0.50B/*0.10A 0.50B/*0.20 0.60B/*0.20 0.60B/*0.20 0.60B/*0.30A 1.30B/*0.30A 1.30B/*0.40 4.30B/*0.80A 8.40B/*1.20 11.20B/*1.70A 30.60B/*3.60 21.90B/*5.20A 26.20B/*7.20A 30.60B/*7.70A 31.20B/*12.70A 31.90B/*5.70A 31.90B/*51.10A 89.30B/*60.90A 99.30B/*70.70A 104.30B/*75.70A 114.30B/*85.60A		0.10 UNCH 0.10 INCH 0.10 UNCH 0.10 UNCH 0.10 UNCH 0.10 UNCH 0.10 INCH 0.10 UNCH 0.10 UNCH 0.10 UNCH 0.10 INCH 0.10 UNCH 0.10 UNCH 0.10 UNCH 0.10 INCH 0.10 I						10 UNCH 3 UNCH 70 UNCH 70 UNCH 32 UNCH 44 UNCH 44 UNCH 48 UNCH 72 UNCH 38 UNCH 72 UNCH 38 UNCH 61 UNCH 62 UNCH 47 UNCH 750 UNCH 63 UNCH 156 UNCH 156 UNCH 1573 UNCH 158 + 41 163 UNCH 158 + 41 163 UNCH 158 + 41 175 - 5 322 - 20 324 + 21 79 + 20 358 + 1 75 - 5 322 - 20 350 + 34 66 - 16 125 + 72 75 + 32 170 + 53 98 + 37 75 + 32 170 + 53 98 + 37 91 + 62 40 + 9 156 + 54 3 + 1 UNCH
	GLOBEX OPEN	OPEN OUTCRY OPEN RANGE	GLOBEX HIGH/LOW	OPEN OUTCRY HIGH/LOW	OPEN OUTCRY CLOSE RANGE	SETT.PRICE & PT.CHGE.	DELTA	EXER CISES	OPEN OUTCRY VOLUME	GLOBEX® VOLUME	PNT VOLUME	OPEN INTEREST
OG4 CA NOV23 1875 1895 1925 1930 1945 1950 1960 1965 1960 1965 1960 1965 1960 2005 2010 2015 2020 2025 2030 2035 2040 2045 2050 2055 2060 2075 2080 2085 2090 2015 2110 2115 2125 2130 2145 2150 2185 2190 2185 2190 2185 2190 2185 2190 2185	59.40 33.00 59.40 33.00 29.00 23.80 21.30 12.70 8.40 8.20 5.50 3.70 1.20 2.40 1.60 0.80 0.50 0.50 0.50 0.50 0.50 0.50 0.20 0.2	GOLD OPTIONS 69.00 59.40 33.00 29.00 23.80 21.30 12.70 8.40 8.20 4.80 3.20 5.50 3.70 1.20 2.00 2.40 1.60 0.80 0.50 0.50 0.50 0.50 0.40 0.50 0.20 0.20 0.20 0.20 0.20 0.20 0.2	134.608/ 114.608/ 114.608/ 114.608/ 144.708/69.00 79.708/ 69.708/ 69.708/ 49.908/ 49.908/ 49.908/ 49.908/ 44.908/18.50A 40.108/14.90A 35.308/11.70A 36.308/9.00A 26.208/8.40 21.908/5.10A 18.108/3.80A 14.608/3.10 11.708/5.50 9.208/2.30 7.208/1.20 5.508/2.00 4.10/1.70 3.00/1.30 2.308/0.50 1.70/0.50 1.308/0.20 0.50/0.30 0.308/0.20 0.50/0.30 0.308/0.20 0.20/0.20 0.20/0.20 0.20/0.20 0.20/0.20 0.20/0.20 0.10/0.10	134.60B/105.80A 114.60B/85.90A 84.70B/56.00A 79.70B/56.10A 79.70B/56.10A 79.70B/56.10A 69.70B/41.30A 64.70B/36.50A 59.80B/31.80A 54.80B/27.20A 44.90B/18.50A 44.90B/18.50A 44.90B/18.50A 40.10B/14.90A 35.30B/11.70A 36.30B/9.00A 26.20B/7.00A 21.90B/5.10A 18.10B/3.80A 14.60B/2.90A 11.70B/3.80A 14.60B/2.90A 11.70B/3.10A 9.20B/1.50A 7.20B/1.10A 9.20B/1.50A 7.20B/1.30A 0.30B/0.20 0.30B/0.20 0.50B/0.20 0.50B/0.20A 0.30B/0.10A 0.10B/0.10A		126.70 + 21.30 106.70 + 21.30 76.70 NEW 71.70 + 21.10 66.80 + 21.00 56.80 + 20.70 51.90 + 20.50 46.90 + 20.50 46.90 + 20.00 42.00 + 19.40 37.20 + 18.60 32.40 + 17.40 27.70 + 15.90 23.20 + 14.10 19.00 + 12.00 15.20 + 10.00 11.80 + 7.90 9.00 + 6.20 6.70 + 4.70 5.00 + 3.60 3.70 + 2.70 2.70 + 2.00 1.90 + 1.40 1.40 + 1.00 1.00 + 0.70 0.80 + 0.60 0.60 + 0.50 0.50 + 0.40 0.40 + 0.30 0.30 + 0.20	1.0000 1.0000			10 122 50 1127 177 57 288 988 45 45 184 45 921 330 121 84 59 213 249 49 19 27 26 29 90 30 50 70 70 70 70 70 70 70 70 70 70 70 70 70	150	1 UNCH 1 + 11 1 UNCH 11 + 11 1 UNCH 111 + 10 7 - 1 237 - 26 136 UNCH 113 - 50 163 - 8 209 - 38 120 + 3 185 - 14 122 - 3 346 UNCH 122 - 3 346 UNCH 206 + 11 59 - 63 226 + 47 300 + 12 2299 - 114 89 - 12 250 - 7 209 - 114 89 + 32 173 + 1 187 + 6 85 + 13 79 + 18 160 + 90 106 + 25 122 + 50 100 + 60 14 UNCH 160 + 90 160 + 25 122 + 50 100 + 60 14 UNCH 160 + 90 160 + 25 121 UNCH 178 UNCH 189 UNCH 189 UNCH 190 UNCH 191 UNCH 192 UNCH 193 UNCH 194 UNCH 299 UNCH 28 UNCH 28 UNCH 299 UNCH 28 UNCH 28 UNCH 28 UNCH 299 UNCH 28 UNCH 28 UNCH 28 UNCH 28 UNCH 28 UNCH 299 UNCH 28 UNCH 28 UNCH 28 UNCH 28 UNCH 28 UNCH 299 UNCH 28 UNCH 299 UNCH 28 UNCH 28 UNCH 2993 + 237
	GLOBEX OPEN	OPEN OUTCRY OPEN RANGE	GLOBEX HIGH/LOW	OPEN OUTCRY HIGH/LOW	OPEN OUTCRY CLOSE RANGE	SETT.PRICE & PT.CHGE.	DELTA	EXER CISES	OPEN OUTCRY VOLUME	GLOBEX® VOLUME	PNT VOLUME	OPEN INTEREST
OG3 PU DEC23 1800 1845 1850 1880 1900	0.90 1.20	GOLD OPTIONS 0.90 1.20	#0.60B/*0.30A #0.60B/*0.30A #1.00B/*0.50A #1.40B/*0.80A	#0.30B/*0.20A #0.60B/*0.30A #0.60B/*0.30A 1.00B/*0.50A 1.40B/*0.80A	 IFNCE OF THE USE	0.20 NEW 0.30 - 0.10 0.30 NEW 0.50 NEW 0.80 NEW	.0055 .0094 .0096 .0170 .0276	 SPONSIBI	 LLITY FOR	1 3 21 2	 (OR CONT	1 + 1 1 UNCH 3 + 3 21 + 21 2 + 2

METALS OPTIONS PRODUCTS

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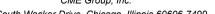


				PRELIMIN	ANI						
PG64 BULLET	IN #225@			METALS OPTION	PRODUCTS				Tue,	Nov 21	, 2023 PG64
GLOBEX OPEN	OPEN OUTCRY OPEN RANGE	GLOBEX HIGH/LOW	OPEN OUTCRY HIGH/LOW	OPEN OUTCRY CLOSE RANGE	SETT.PRICE & PT.CHGE.	DELTA	EXER CISES	OPEN OUTCRY VOLUME	GLOBEX® VOLUME		OPEN INTEREST
OG3 PUT DEC23 1905 1.50 1910 1.20 1915 1.60 1920 1.70 1925 1930 2.20 1935 2.50 1940 2.80 1945 3.80 1950 3.70 1965 6.90 1965 6.90 1970 7.40 1975 7.00 1980 9.60 1985 2005 26.50 2020 2015 26.50 2020 27.80 2040 32.80 2045 37.60 TOTAL	GOLD OPTIONS 1.50 1.20 1.60 1.70 2.20 2.50 2.50 2.80 3.80 3.70 4.90 6.90 7.40 7.00 9.60 26.50 24.10 27.80 32.80 37.60	#1.50/*0.90A #1.20/*1.00A #1.60/*1.10A #1.60/*1.10A #1.70/*1.30A/*1.50A #2.20/*1.70A #2.20/*2.00A 2.80/*2.30A 3.80/*2.60A #4.30/*3.00A 5.60/*4.10A #6.90/*4.80A #7.40/*5.60 #7.00/*6.50A 9.60/*7.50A/*8.70A/*11.50A/*11.50A/*21.10A #26.50/*18.80A/*21.10A #27.80/*26.10A #34.80/*31.90A	1.50/*0.90A 1.60B/*1.00A 1.90B/*1.10A 2.30B/*1.30A 2.70B/*1.50A 3.70B/*2.00A 4.30B/*2.30A 5.10B/*2.60A 6.00B/*3.00A 8.10B/*4.80A 10.90B/*5.60 12.50B/*6.50A 14.30B/*7.50A 16.30B/*7.50A 16.30B/*8.70A 20.80B/*11.50A 23.30B/*13.10A 31.90B/*18.80A 35.00B/*21.10A 38.40B/*23.50A 41.90B/*26.10A 49.30B/*23.50A 41.90B/*26.10A 49.30B/*31.90A 53.20B/*35.00A		1.00	.0337 .0374 .0436 .0500 .0566 .0748 .0864 .0981 .1121 .1444 .1643 .1858 .2090 .2336 .2607 .3196 .3509 .4489 .4819 .5144 .5466 .6077 .6369			1 1 21 28 7 7 1 1 1 27 5 5 11 1 1 1 31 1 7 7 9 9 12 12 12 12 12 12 12 12 12 12 12 12 12		1 + 1 2 + 1 21 + 21 228 + 28 4 UNCH 1 + 1 7 + 7 0 UNCH 2 + 1 300 + 26 100 UNCH 2 + 2 8 + 8 1 + 1 17 + 5 3 UNCH 5 UNCH 14 UNCH 14 UNCH 14 10 10 10 10 10 10 10 10 10 10 10 10 10 1
GLOBEX OPEN	OPEN OUTCRY OPEN RANGE	GLOBEX HIGH/LOW	OPEN OUTCRY HIGH/LOW	OPEN OUTCRY CLOSE RANGE	SETT.PRICE & PT.CHGE.	DELTA	EXER CISES	OPEN OUTCRY VOLUME	GLOBEX® VOLUME	PNT VOLUME	OPEN INTEREST
OG3 CALL DEC23 1940 1945 1960 1975 1980 1995 39.10 2000 2010 34.60 2015 28.70 2020 23.70 2025 2030 24.20 2035 22.00 2040 20.40 2050 2055 12.30 2070 2075 7.80 2080 7.70 2085 8.00 2090 7.30 2095 6.90 2100 3.70 2015 5.70 2110 3.00 2115 4.30 2120 2.40 2155 2200 1.00	GOLD OPTIONS 39.10 39.10 34.60 28.70 23.70 24.20 22.00 20.40 12.30 7.80 7.70 8.00 7.70 8.00 7.70 8.00 7.70 8.00 4.30 2.40 1.00	#90.908/ #86.308/ #73.608/ #65.008/ #65.008/34.90A #45.908/26.50A #42.508/24.00A #39.308/*21.70A #36.208/*19.60A #33.408/*17.70A #30.608/*15.90A #22.508/*11.50A #23.508/*11.50A #11.708/*8.30A #11.708/*8.30A #11.908/ #10.808/*7.80 #8.808/*8.00 #8.008/*7.20 #8.808/*8.00 #8.008/*7.20 #8.808/*3.70 #8.808/*3.70 #4.808/*3.70 #4.808/*3.70 #4.400/*2.40 #2.208/ #1.108/*1.00	#90.90B/65.30A #86.30B/61.10A #73.60B/49.10A #65.00B/41.90A #65.00B/41.90A #65.00B/34.90A #57.00B/34.90A #45.90B/26.50A #42.50B/24.00A #39.30B/21.70A #30.60B/15.90A #28.10B/14.30A #28.10B/14.30A #25.70B/12.80A #25.70B/12.80A #21.40B/10.30A #17.70B/8.30A #17.70B/8.30A #17.70B/8.30A #16.10B/7.50A #11.90B/5.40A #8.80B/3.90A #8.00B/3.20A #8.60A/2.90A #8.60B/2.90A #8.40B/2.40A #4.40B/2.20A #4.40Z.00A #4.40Z.00A #1.10B/0.60A		84.30 + 19.30 79.70 + 18.90 66.50 + 17.50 58.10 + 16.20 54.20 + 15.70 50.30 + 14.90 39.80 NEW 36.60 + 12.10 33.60 + 11.40 30.80 NEW 25.70 NEW 23.40 + 8.70 21.20 NEW 19.30 NEW 17.50 NEW 14.30 + 5.80 12.90 NEW 14.30 + 5.80 12.90 NEW 5.50 NEW 7.60 NEW 6.20 NEW 6.20 NEW 6.20 NEW 5.50 + 2.40 5.00 + 2.20 4.50 NEW 4.10 NEW 3.70 NEW 3.30 NEW 3.30 NEW 3.30 NEW 3.30 NEW	.9131 .9013 .8550 .8135 .7904 .7658 .6162 .5833 .5504 .428 .4218			 1 1 32 4 2 2 2 3 3 2 1 1 7 7 4 2 2 2 3 2 1 2 2 1 2 1 2 1 2 1 2 1 2 1 1 2 1 2		1 UNCH 6 UNCH 1 UNCH 2 UNCH 2 UNCH 1 + 1 50 UNCH 1 + 1 32 + 32 100 UNCH 4 + 4 2 + 2 2 + 2 26 + 21 4 + 4 2 + 2 20 + 20 0 UNCH 2 + 2 20 + 20 10 UNCH 2 + 2 2 + 2 20 + 20 10 UNCH 2 + 2 2 + 2 20 + 20 10 UNCH 2 + 2 2 + 2 20 + 20 10 UNCH 2 + 2 2 + 2 20 + 20 32 + 20 11 + 1 5 + 5 4 + 4 2 + 2 1 + 1 5 + 5 4 + 4 2 + 2 1 + 1 2 + 2 3 + 7
GLOBEX OPEN	OPEN OUTCRY OPEN RANGE	GLOBEX HIGH/LOW	OPEN OUTCRY HIGH/LOW	OPEN OUTCRY CLOSE RANGE	SETT.PRICE & PT.CHGE.	DELTA	EXER CISES	OPEN OUTCRY VOLUME	GLOBEX® VOLUME		OPEN INTEREST
OG2 PUT DEC23 1765 1800 1850 1860 1860 1890 1900 1910 1920 1945 1.80 1950 1.50 1960 3.80 1950 1.50 1965 1970 5.20 1975 4.50 1985 8.80 1990 1995 11.80 1990 1 1995 11.70 2000 14.70 2000 14.70 2005 2010 2015 2030 23.00 2125	GOLD OPTIONS 1.40 1.50 3.80 5.20 4.50 5.40 8.80 11.80 14.70 23.00	0.208/ 0.308/ 0.408/ 0.408/ 0.708/*0.40A 0.808/*0.50A 0.908/*0.50A/*0.50A 1.80/*1.30A 1.50/*1.50 3.80/*2.10A/*2.50A 5.20/*3.00A 4.50/*3.60A 5.40/*4.30A 8.80/*5.20/*6.30A 11.80/*7.40A 14.70/*8.80A/*10.40A/*12.10A/*12.10A	0.20B/0.20A 0.30B/0.20A 0.40B/0.30A 0.40B/0.30A 0.70B/*0.40A 0.70B/*0.40A 0.90B/*0.50A 0.90B/*0.50A 1.10B/*0.70A 2.30B/*1.10A 2.30B/*1.10A 3.40B/*1.50 5.00B/*2.50A 7.30B/*3.00A 8.70B/*3.00A 10.30B/*4.30A 12.10B/*5.20 14.20B/*6.30A 16.50B/*7.40A 19.00B/*8.80A 21.70B/*10.40A 24.60B/*12.10A 27.50B/*14.10A 34.30B/*11.20A 34.30B/*12.10A		0.10 UNCH 0.20 - 0.10 0.20 NEW 0.30 - 0.20 0.40 NEW 0.50 - 0.30 0.50 - 0.40 0.70 - 0.60 1.30 - 1.70 1.80 - 2.00 2.50 - 3.00 3.00 - 3.60 3.60 - 4.20 4.30 - 5.00 5.20 - 5.70 6.20 NEW 7.40 - 7.40 8.80 - 8.30 10.40 - 9.20 12.20 - 10.10 14.30 - 10.90 16.50 - 11.80 21.60 NEW 24.50 NEW 104.50 - 20.70	.0008 .0052 .0065 .0165 .0192 .0199 .0278 .0517 .0518 .0709 .0970 .1144 .1371 .1839 .2129 .2452 .2803 .3178 .3369 .3378 .4388 .5212 .5613 .9483			23 1 23 6 6 1 3 3 16 3 2 14 2 7 7 2 1 1		3 UNCH 2 UNCH 1 UNCH 2 + 2 1 UNCH 1 UNCH 2 UNCH 3 UNCH 3 UNCH 3 UNCH 29 + 23 45 + 5 32 + 1 31 UNCH 7 UNCH 12 - 12 14 + 2 15 - 2 14 + 14 1 UNCH 7 + 2 7 UNCH 3 UNCH 4 UNCH 1 + 1 1 UNCH 1 + 1 1 UNCH 253 + 36
GLOBEX OPEN OG2 CALL	OPEN OUTCRY OPEN RANGE	GLOBEX HIGH/LOW	OPEN OUTCRY HIGH/LOW	OPEN OUTCRY CLOSE RANGE	SETT.PRICE & PT.CHGE.	DELTA	EXER CISES	OPEN OUTCRY VOLUME	GLOBEX® VOLUME	PNT VOLUME	OPEN INTEREST
DECZ3 1940 72.80 1965 1970 1980 1980 1985 1990 39.50 2000 24.60 2005 29.00 2010 2015 2020 16.60 2025 22.90 2030 2035 2045 8.50 2050 2055 5.70 2050 5.10 2065 5.70 2070 5.80 2075 2080 3.90 2075 2080 3.90 2085 5.10 2090 4.40 2120 1.10 2125 2120 1.10	72.80 39.50 24.60 29.00 16.60 22.90 9.00 8.50 5.10 5.70 5.80 1.10 1.10	#89.908/72.80 #67.008/ #62.508/ #53.808/30.90A #49.708/27.80A #45.708/24.80A #38.308/19.60A #35.00/17.40A #31.608/15.30A #25.708/11.80A #25.708/11.80A #23.108/10.30A #20.708/9.00A #18.508/ #10.108/5.00 #1.308/ #10.108/5.00 #8.908/5.70 #7.908/5.80 #6.908/ #6.108/3.90 #5.408/4.70 #2.208/1.10 #2.008/	#89.90B/63.20A #67.00B/42.00A #62.50B/38.30A #53.80B/30.90A #49.70B/27.80A #49.70B/27.80A #45.70B/24.80A #38.30B/19.60A #35.00/17.40A #31.60B/15.30A #25.70B/11.80A #25.70B/11.80A #23.10B/10.30A #20.70B/9.00A #18.50B/7.90A #14.60B/6.00A #14.60B/6.00A #11.40B/4.50A #11.40B/4.50A #11.40B/3.90A #6.90B/3.40A #7.90B/3.00A #6.90B/2.60A #6.10B/2.30A #5.40B/2.10A #4.80B/1.80A #3.70B/1.50A #2.20B/1.50A #2.20B/1.50A		82.90 NEW 59.70 + 17.80 55.30 + 17.10 46.90 + 15.60 43.00 + 14.90 39.20 + 14.00 32.20 + 12.20 29.00 + 11.30 26.00 + 10.40 23.30 + 9.60 20.80 + 8.80 18.40 + 7.90 16.30 + 7.20 14.40 + 6.50 12.70 + 5.80 11.20 + 5.20 9.80 + 4.10 7.50 + 3.60 6.60 + 3.20 5.80 + 2.80 5.10 + 2.50 4.50 NEW 3.90 NEW 3.90 NEW 3.90 NEW 3.40 + 1.60 2.70 + 1.30 1.70 NEW 1.50 + 0.70 1.110 NEW ER AND IS FURNISHED WIT	.9480 .8852 .8651 .8156 .7543 .6817 .5607 .5193 .4783 .4382 .3994 .43276 .2944 .2276 .2944 .1875 .1669 .1153 .0919 .0581 .0514 .0514			1 28 6 19 11 15 25 11 3 5 2 1 1 3 9 3 3		1 + 1 3 + UNCH 7 UNCH 11 UNCH 111 UNCH 125 + 8 13 UNCH 120 + 8 3 UNCH 11 UNCH 11 UNCH 12 UNCH 12 UNCH 13 + 11 2 UNCH 13 - 12 21 + 11 3 - 12 21 + 11 5 UNCH 2 UNCH 12 + 1 8 + 5 2 + 2 3 UNCH 12 + 1 8 + 5 2 + 2 UNCH 12 + 1 8 + 5 2 + UNCH 12 + 1 8 + 5 2 + UNCH 12 + 1 8 + 5 2 + UNCH 12 + 1 8 + 5 2 + UNCH 12 + 1 8 + 5 2 + UNCH 12 + 1 8 + 5 2 + UNCH 13 + 1 50 UNCH 14 + 1 50 UNCH 15 + 1 50 UNCH 17 + 1 50 UNCH 18 + 8 3 + 1 50 UNCH 18 + 8 3 + 1 50 UNCH 19 UNCH 19 UNCH 11 UNCH 11 UNCH 12 + 1 50 UNCH 12 + 2 1 UNCH 13 + 1

METALS OPTIONS PRODUCTS

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20 South Wacker Drive, Chicago, Illinois 60606-7499. Customer Service: (312) 930-1000 PRELIMINARY PG64 BULLETIN #225@ Tue, Nov 21, METALS OPTION PRODUCTS 2023 PG64 OPEN OUTCRY VOLUME GLOBEX OPEN OPEN OUTCRY OPEN RANGE GLOBEX HIGH/LOW OPEN OUTCRY HIGH/LOW OPEN OUTCRY CLOSE RANGE SETT.PRICE & PT.CHGE. DELTA EXER CISES PNT VOLUME OG2 CALL DEC23 2190 (TOTAL 0.60 0.60 #0.60/0.60 #0.60/0.40A 0.50 NEW .0156 15 163 15 + 314+ OPEN OUTCRY VOLUME GLOBEX OPEN OPEN OUTCRY OPEN RANGE GLOBEX HIGH/LOW OPEN OUTCRY HIGH/LOW OPEN OUTCRY CLOSE RANGE SETT.PRICE & PT.CHGE. PNT VOLUME OPEN INTEREST OG1 PUT DEC23 GOLD OPTIONS .108/*0.
.208/*0.
.208/*0.
.308/0.2
.308/0.2
.308/0.2
.308/0.2
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.308/0.2
.308/0.2
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.408/*0.
.408/*0.
.508/*0
.508/*0
.508/*0
0.808/*0
0.808/*0
0.808/*0
0.908/*0
1.208/*0
1.208/*0
1.008/*1
4.008/*1
4.008/*1
2.008/*1
2.008/*1
2.008/*2
3.008/*2
3.008/*3
3.008/*3 UNCH UNCH UNCH UNCH UNCH UNCH 2 .0001 .0001 .0059 .0060 .0059 .0060 .0062 .0075 .0075 .0075 .0075 .0078 .0075 .0078 .0075 .0078 .0075 .0078 .0075 .0078 .0075 .0078 .0084 .0129 .0134 .0129 .0134 .0129 .0136 .0147 18 9 10 13 3 2 UNCH UNCH UNCH 5 U.40B/---0.40B/*0.20A
0.50B/*0.20A
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0.50B/*0.30A
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0.80B/*0.30A
0.80B/*0.40A
0.8 38 20 0.30 0.30 UNCH 0.10 0.10 20 UNCH 12 UNCH 23 10 UNCH 2 11 10 UNCH 88 UNCH UNCH UNCH 14 5 12 0.30 0.30 13 + 13 + 16 - 188 + 15 - 187 + 179 - 385 - 108 + 44 + 57 + 68 + 19 + 16 + 53 + 10 + 63 + 2032 + 100 + 23 29 0.50 0.70 $0.50 \\ 0.70$.40).50A).50A).60A).70 .90A .30A .50A .40A .00A .80A .80A .50 .20A 1.30A .30A 5 3 16 0.80 1.00 0.70 0.80 1.00 0.70 1.70 1.70 100 35 5 47 14 42 6 46 3.40 4.70 5.80 7.40 5.10 5.60 7.60 14.70 10.20 21.40 3.40 4.70 5.80 7.40 5.10 5.60 7.60 14.70 10.20 21.40 8 25 UNCH 15 7 43 10 UNCH 235 56 11 469 TOTAL OPEN OUTCRY VOLUME GLOBEX OPEN OPEN OUTCRY OPEN RANGE GLOBEX HIGH/LOW OPEN OUTCRY HIGH/LOW OPEN OUTCRY CLOSE RANGE OPEN INTEREST DELTA EXER CISES GLOBEX® VOLUME PNT VOLUME #154.80B/--#149.80B/--#139.80B/--#100.00B/--#95.00B/--#90.00B/--#90.00B/--#80.20B/--#75.30B/--#65.60B/--#65.60B/--#56.00B/--#51.40B/--#46.90B/23.60A
#38.30B/17.60A
#38.30B/17.60A
#38.30B/15.10A
#30.60B/12.80A
#27.00B/10.90A
#23.80B/9.10A
#27.00B/10.90A
#23.80B/9.10A
#27.00B/0.90A
#28.20B/0.50A
#29.70B/--#15.60B/11.40
#11.40B/6.90
#9.70B/--#8.20B/4.20
3.60B/2.20
3.60B/2.20
3.60B/2.30
4.20B/2.00
2.50B/1.40
2.10B/1.40
1.80B/1.30
1.50/1.00
1.80B/1.30
1.50/1.00
1.80B/1.30
1.50/1.00
1.30B/--1.10B/0.80
0.40B/--0.40B/--0.20B/--0.20B/--0.20B/--0.20B/---.9934 .9934 .9932 .9820 .9964 .9698 .9540 .9540 .9540 .8231 .7821 .7821 .7385 .6892 .2533 .3151 .2703 .3151 .1210 .1007 .0869 .1421 .1007 .0869 .0290 .0398 24 50 1 2 1 10 2 6 53.70 53.70 26.20 21.90 20.30 30B/ 30B/ 30B/ 60B/ 80B/ 80B/ 80B/ 40B, 40B, 40B, 40B/ 90B/ 20B/ 90B/ 20B/ 60B/ 50B/ 50B/ 50B/ 50B/ 50B/ 113 4 12 39 292 2 16.00 19.20 16.00 19.20 165 1 UNCH 150 9 UNCH 2 UNCH 4.20 6.30 3.90 4.40 2.20 3.20 2.70 1.40 1.30 1.00 4.20 6.30 3.90 4.40 2.20 3.20 2.70 1.40 1.30 1.00 216 17 9 30 13 14 88 0 69 42 117 2 78 ---1 27 UNCH 2 1 22 UNCH 16 UNCH UNCH UNCH 375 2 1 40 0.80 0.80 0.80 0.80 0.80 0.80 7 + 23 + 38 + 5 19 + 2 16 20 1744 + 16 ----0.40 0.40 TOTAL OPEN OUTCRY VOLUME GLOBEX OPEN OPEN OUTCRY OPEN RANGE GLOBEX HIGH/LOW OPEN OUTCRY HIGH/LOW OPEN OUTCRY CLOSE RANGE SETT.PRICE & PT.CHGE. DELTA GLOBEX® VOLUME PNT VOLUME OG PUT DEC23 900 925 950 975 1000 1025 1075 1100 1120 --/0 .10A
--/0 .10A 38 6 9 1 157 34 77 32 599 19 20 110 6 10 1 13 1395 15 249 19 1199 17 51

METALS OPTIONS PRODUCTS

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

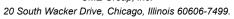
Customer Service: (312) 930-1000

					PRELIN								
PG64	BULLET	rin #225@		N	METALS OPT	ION PRODUCTS					Tue,	Nov 21,	, 2023 PG64
	GLOBEX OPEN	OPEN OUTCRY OPEN RANGE	GLOBEX HIGH/LOW	OPEN OUTCRY HIGH/LOW	OPEN OUTC		T.PRICE T.CHGE.	DELTA	EXER	OPEN OUTCRY	GLOBEX®		OPEN
OG PU	т	COMEX GOLD OPT	TONS						CISES	VOLUME	VOLUME	VOLUME	INTEREST
DEC23 1280				/0.10A		0.10	UNCH						3 UNCH
1290 1300				/0.10A /0.10A		0.10 0.10	UNCH						40 UNCH 392 UNCH
1305 1310				/0.10A /0.10A		0.10 0.10	UNCH						1 UNCH 3 UNCH
1320 1325				/0.10A /0.10A		0.10 0.10	UNCH						15 UNCH 2001 UNCH
1330 1335				/0.10A /0.10A		0.10 0.10	UNCH						1 UNCH 10 UNCH
1340 1345				/0.10A /0.10A /0.10A		0.10 0.10	UNCH						30 UNCH 30 UNCH
1350 1355 1365				/0.10A /0.10A /0.10A		0.10 0.10 0.10	UNCH						2200 UNCH 25 UNCH 23 UNCH
1370 1375				/0.10A /0.10A		0.10 0.10 0.10	UNCH						56 UNCH 742 UNCH
1380 1385				/0.10A /0.10A		0.10 0.10	UNCH						32 UNCH 12 UNCH
1390 1395				/0.10A /0.10A		0.10 0.10	UNCH UNCH						20 UNCH 12 UNCH
1400 1425				/0.10A /0.10A		0.10 0.10	UNCH						499 UNCH 162 UNCH
1435 1440				/0.10A /0.10A		0.10 0.10	UNCH						40 UNCH 514 UNCH
1450 1455				/0.10A /0.10A /0.10A		0.10 0.10 0.10	UNCH						6417 UNCH 38 UNCH 2 UNCH
1460 1465 1470				/0.10A /0.10A		0.10 0.10 0.10	UNCH						83 UNCH 14 UNCH
1475 1480				/0.10A /0.10A		0.10 0.10	UNCH						79 UNCH 19 UNCH
1490 1495				/0.10A /0.10A		0.10 0.10							25 UNCH 3 UNCH
1500 1505				/0.10A /0.10A		0.10 0.10	UNCH						1663 UNCH 11 UNCH
1510 1515				/0.10A /0.10A		0.10 0.10	UNCH						25 UNCH 40 UNCH
1520 1525 1530				/0.10A /0.10A /0.10A		0.10 0.10 0.10	UNCH						100 UNCH 236 UNCH 42 UNCH
1535 1540				/0.10A /0.10A /0.10A		0.10 0.10 0.10	UNCH						986 UNCH 17 UNCH
1545 1550				/0.10A /0.10A		0.10 0.10	UNCH UNCH						23 UNCH 3266 UNCH
1555 1560				/0.10A /0.10A		0.10 0.10	UNCH UNCH						49 UNCH 254 UNCH
1565 1570				/0.10A /0.10A		0.10 0.10	UNCH						1 UNCH 11 UNCH
1575 1580				/0.10A /0.10A		0.10 0.10	UNCH						457 UNCH 34 UNCH
1585 1590				/0.10A /0.10A /0.10A		0.10 0.10 0.10	UNCH						57 UNCH 31 UNCH 5 UNCH
1595 1600 1605				/0.10A /0.10A /0.10A		0.10 0.10 0.10	UNCH						1168 UNCH 90 UNCH
1610 1615				/0.10A /0.10A		0.10 0.10	UNCH						177 UNCH 62 UNCH
1620 1625				/0.10A /0.10A		0.10 0.10	UNCH						38 UNCH 130 UNCH
1630 1635				/0.10A /0.10A		0.10 0.10	UNCH						86 UNCH 41 UNCH
1640 1645				/0.10A /0.10A		0.10 0.10	UNCH						213 UNCH 150 UNCH
1650 1655				/0.10A /0.10A /0.10A		0.10 0.10 0.10	UNCH						646 UNCH 63 UNCH 110 UNCH
1660 1665 1670				/0.10A /0.10A /0.10A		0.10 0.10 0.10	UNCH						23 UNCH 95 UNCH
1675 1680				/0 .10A/0 .10A		0.10 0.10	UNCH						1134 UNCH 43 UNCH
1685 1690				/0.10A /0.10A		0.10 0.10	UNCH						123 UNCH 123 UNCH
1695 1700				/0.10A /0.10A		0.10 0.10	UNCH						137 UNCH 4919 UNCH
1705 1710				/0.10A /0.10A		0.10 0.10 0.10	UNCH						265 UNCH 355 UNCH 1362 UNCH
1715 1720 1725				/0.10A /0.10A /0.10A		0.10 0.10 0.10	UNCH						814 UNCH 1211 UNCH
1730 1735				/0.10A /0.10A		0.10 0.10	UNCH						202 UNCH 501 UNCH
1740 1745				/0.10A /0.10A		0.10 0.10	UNCH						1222 UNCH 84 UNCH
1750 1755				/0.10A /0.10A		0.10 0.10	UNCH						3120 UNCH 607 UNCH
1760 1765				/0.10A /0.10A		0.10 0.10	UNCH						323 UNCH 312 UNCH
1770 1775	$\begin{array}{c} 0.10 \\ 0.10 \\ 0.10 \end{array}$	0.10 0.10 0.10	0.10/0.10 0.10/0.10 0.10/0.10	0.10/0.10 0.10/0.10 0.10/0.10		0.10 0.10 0.10	UNCH				3 25 16		1119 UNCH 1127 + 21 1238 UNCH
1780 1785 1790			0.10/0.10	0.10b/0.10A 0.10b/0.10A		0.10 0.10 0.10	UNCH						515 UNCH 1423 UNCH
1795 1800	0.10	0.10	0.10/0.10	0.10B/0.10A 0.10/0.10		0.10 0.10	UNCH				 11		475 UNCH 6972 UNCH
1805 1810			' 	0.10B/0.10A 0.10B/0.10A		0.10 0.10	UNCH						441 UNCH 885 UNCH
1815 1820	0.10	0.10	0.20B/ 0.20/0.10	0.20B/0.10A 0.20/0.10		0.10 0.10	UNCH				42		1452 UNCH 685 + 10
1825 1830	0.10	0.10	0.20B/0.10 0.20B/	0.20B/0.10 0.20B/0.10A		0.10 0.10	UNCH				25 27		2969 + 25 1192 + 27
1835 1840 1845	$\begin{array}{c} 0.10 \\ 0.10 \\ 0.10 \end{array}$	0.10 0.10 0.10	0.20B/0.10 0.20/0.10 0.20/0.10	0.20B/0.10 0.20/0.10 0.20/0.10		0.10 0.10 0.10	UNCH	.0000			15 180 28		1593 UNCH 1436 + 17 1640 + 8
1845 1850 1855	0.10 0.10 0.10	0.10 0.10 0.10	0.30B/0.10 0.30B/0.10	0.30B/0.10 0.30B/0.10 0.30B/0.10		0.10 0.10 0.10	UNCH	.0000			60 19		6245 + 44 650 + 1
1860 1865	0.10 0.10	0.10 0.10	0.30B/0.10 0.30B/*0.10	0.30B/0.10 0.30B/*0.10		0.10 0.10	UNCH UNCH	.0000			143 26		1684 + 40 521 UNCH
1870 1875	0.10 0.10	0.10 0.10	0.30B/*0.10 0.40/0.10	0.30B/*0.10 0.40/0.10		0.10 0.10	UNCH UNCH	.0001			14 99		2117 - 11 3300 + 49
1880 1885	0.10	0.10	0.40/0.10 0.40B/	0.40/0.10 0.40B/0.20A		0.10 0.10	- 0.10	.0004					1527 - 10 2403 UNCH
1890 1895	0.10	0.10 0.20	0.40B/*0.10 0.50B/0.20 0.50/0.20	0.40B/*0.10 0.50B/0.20		0.10 0.10 0.10	- 0.10	.0011 .0018 .0028			2 84 133	 173	1005 - 2 1840 - 27 9548 - 101
1900 1905 1910	0.20 0.40 0.20	0.20 0.40 0.20	0.50/0.20 0.50/0.40 0.50/0.20	0.50/0.20 0.50/*0.20A 0.50/0.20		0.10 0.10 0.20	- 0.10	.0042			5 13		536 - 3 1638 - 8
1910 1915 1920	0.20 0.30	0.20 0.30	0.60B/*0.20 0.60B/*0.20	0.60B/*0.20 0.60B/*0.20		0.20 0.20 0.20	- 0.10	.0088			38 71		960 + 4 1795 + 43
1925 1930	0.40 0.50	0.40 0.50	0.70/*0.20 0.70/*0.30	0.70/*0.20 0.70/*0.30		0.20 0.30	- 0.20 - 0.30	.0098 .0148			249 119		7675 - 3 2631 + 13
1935 1940	0.40 0.70	0.40 0.70	0.80/*0.30 0.70/*0.30	0.80/*0.30 0.80B/*0.30		0.30 0.30	- 0.40 - 0.70	.0158 .0169			167 159		942 + 92 1876 + 104
1945 1950	0.70 1.50	0.70 1.50	0.70/*0.30 1.50/*0.40	1.10B/*0.30 1.50/*0.40		0.40 0.50	- 1.30	.0231			654 271		1525 + 410 4803 - 15
1955 1960	0.40 2.80 2.40	0.40 2.80 2.40	1.10/*0.40 2.80/*0.60A 2.70/*0.70	2.20B/*0.40 3.10B/*0.60A 4.30B/*0.70		0.60 0.80 1.10	- 2.60	.0376 .0512 .0711			306 502 614		658 - 66 1599 + 11 1448 + 226
1965 1970 1975	4.80 6.90	4.80 6.90	4.80/*1.00A 6.90/*1.40	4.30B/*0.70 5.80B/*1.00A 7.80B/*1.40		1.40 2.00	- 4.90	.0930			269 961	300	1639 + 8 2678 + 255
1980 1985	6.60 7.40	6.60 7.40	7.10/*1.90 9.70/*2.70A	10.40B/*1.90 13.10B/*2.70A		2.70 2.70 3.80	- 7.90 - 9.60	.1744			486 513		1040 + 176 1514 + 108
1990 1995	13.50 17.70	13.50 17.70	13.50/*3.80 17.70/*5.10	15.90B/*3.80 19.40B/*5.10		5.20 7.10	- 11.40 - 13.00	.3054 .3863			677 533		2125 + 10 905 + 194
2000 2005	16.90 19.00	16.90 19.00	18.50/*7.00 19.00/*9.10A 24.40/*11.60A	23.40B/*7.00 27.40B/*9.10A 31.70B/*11.60A		9.30 12.00	- 15.80	.4703 .5546 .6342			672 47 31		2596 - 55 515 + 7 848 + 1
2010	24.40 15.80	24.40 15.80	16.70/*14.50A	36.20B/*14.50A		15.10 18.60		.7052			11		689 - 3

METALS OPTIONS PRODUCTS

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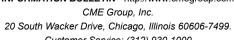


Side 06

PG64	4 BULLET	IN #225@		M	ETALS OPTION					Tue,	Nov 21	, 2023 PG64
	GLOBEX OPEN	OPEN OUTCRY OPEN RANGE	GLOBEX HIGH/LOW	OPEN OUTCRY HIGH/LOW	OPEN OUTCRY CLOSE RANGE	SETT.PRICE & PT.CHGE.	DELTA	EXER	OPEN OUTCRY			OPEN
OG PL		COMEX GOLD OPT						CISES	VOLUME	VOLUME	VOLUME	INTEREST
2020 2025 2030	, 		/*17.70A/*21.20A/*25.00A 36.40/*29.00A/*33.30A/*37.60A/*42.20A/*46.80A/*51.50A/*66.30A/*66.00A	40.70B/*17.70A 45.40B/*21.20A 50.10B/*25.00A 54.90B/*29.00A 59.80B/*33.30A 64.70B/*37.60A		22.40 - 18.60 26.40 - 19.30 30.70 - 19.70	.7666 .8198 .8607			75 5		275 - 3 364 UNCH 384 UNCH
2035 2040 2045	36.40 	36.40 	36.40/*29.00A /*33.30A /*37.60A	54.90B/*29.00A 59.80B/*33.30A 64.70B/*37.60A		35.10 - 20.20 39.70 - 20.40 44.40 - 20.60	.8917 .9164 .9396			2 2		159 + 1 73 - 1 29 UNCH
2050 2055 2060			/*42.20A /*46.80A /*51.50A	69.70B/*42.20A 74.60B/*46.80A 79.60B/*51.50A		49.20 - 20.80 54.00 - 20.90 58.90 - 21.00	.9528 .9605 .9673			3 		396 - 3 36 UNCH 88 UNCH
2065 2070 2075			/*56.30A /*61.10A /*66.00A	84.50B/*56.30A 89.50B/*61.10A 94.50B/*66.00A		63.80 - 21.00 68.80 - 21.00 73.70 - 21.10	.9736 .9793 .9805					12 UNCH 69 UNCH 298 UNCH
2080 2085 2090	86.40 	86.40 	86.40/*70.90A /*75.80A /*80.80A /*85.70A /*90.70A	99.50B/*70.90A 104.50B/*75.80A 109.50B/*80.80A		78.70 - 21.10 83.70 - 21.00 88.60 - 21.10	.9855 .9863 .9869			1 		44 + 1 222 UNCH 119 UNCH
2095 2100 2105			/*85.70A /*90.70A /95.70A	114.50B/*85.70A 119.50B/*90.70A 124.50B/95.70A		93.60 - 21.10 98.60 - 21.10 103.60 - 21.10	.9875 .9917 .9920					46 UNCH 641 UNCH 2 UNCH
2110 2115 2120			/100.70A /105.60A /110.60A	129.50B/100.70A 134.40B/105.60A 139.40B/110.60A		108.50 - 21.20 113.50 - 21.20 118.50 - 21.20	.9923 .9961 .9973					82 UNCH 15 UNCH 8 UNCH
2125 2130 2135			/115.60A /120.60A /125.60A	144.50B/115.60A 149.40B/120.60A 154.40B/125.60A		123.40 - 21.30 128.40 - 21.30 133.40 - 21.30	.9982 .9989 .9993					8 UNCH 25 UNCH 5 UNCH
2140 2145 2150			/130.60A /135.60A /140.50A	159.40B/130.60A 164.40B/135.60A 169.50B/140.50A		138.40 - 21.30 143.40 - 21.30 148.40 - 21.30	.9997 1.0000 1.0000					8 UNCH 3 UNCH 23 UNCH
2155 2160 2170			/145.50A /150.50A /160.50A	174.40B/145.50A 179.40B/150.50A 189.40B/160.50A		153.40 - 21.30 158.40 - 21.30 168.40 - 21.30	1.0000 1.0000 1.0000					2 UNCH 1 UNCH 1 UNCH
2175 2180 2190			/165.50A /170.50A /180.50A /185.50A	194.40B/165.50A 199.40B/170.50A 209.40B/180.50A 214.40B/185.50A		173.40 - 21.30 178.40 - 21.30 188.40 - 21.30 193.40 - 21.30	1.0000 1.0000 1.0000 1.0000					1 UNCH 2 UNCH 1 UNCH 1 UNCH
2195 2200 2250			/190.50A /240.50A /340.90A	219.40B/190.50A 219.40B/240.50A 269.40B/240.50A 369.40B/340.90A		198.40 - 21.30 198.40 - 21.30 248.40 - 21.30 348.40 - 21.30	1.0000 1.0000 1.0000					9 UNCH 1 UNCH 25 UNCH
2350 2450 2500			/440.90A /490.90A	469.40B/440.90A 519.40B/490.90A		448.40 - 21.30 498.40 - 21.30	1.0000 1.0000 1.0000	38		38 38 8495	 473	258 UNCH 108 + 38 147374+ 1633
TOTAL JAN24 1250				/0.10A		0.10 UNCH						122 UNCH
1275 1300 1325				/0.10A /0.10A /0.10A		0.10 UNCH 0.10 UNCH 0.10 UNCH						57 UNCH 99 UNCH 41 UNCH
1350 1375 1400				/0.10A /0.10A /0.10A		0.10 UNCH 0.10 UNCH 0.10 UNCH						109 UNCH 69 UNCH 4270 UNCH
1425 1430 1440				/0.10A /0.10A /0.10A		0.10 UNCH 0.10 UNCH 0.10 UNCH						28 UNCH 27 UNCH 21 UNCH
1450 1460 1470				/0.10A /0.10A /0.10A		0.10 UNCH 0.10 UNCH 0.10 UNCH						100 UNCH 5 UNCH 21 UNCH
1475 1480 1490				/0.10A /0.10A /0.10A		0.10 UNCH 0.10 UNCH 0.10 UNCH						3 UNCH 4 UNCH 36 UNCH
1500 1510 1520				/0.10A /0.10A /0.10A /0.10A		0.10 UNCH 0.10 UNCH 0.10 UNCH						300 UNCH 41 UNCH 9 UNCH
1525 1530 1540		 0.10	 0 10/0 10	/0.10A /0.10A /0.10A 0.10/0.10		0.10 UNCH 0.10 UNCH 0.10 UNCH						99 UNCH 8 UNCH 4 UNCH 155 UNCH
1550 1560 1565	0.10	0.10 	0.10/0.10 	0.10/0.10 /0.10A /0.10A /0.10A		0.10 UNCH 0.10 UNCH 0.10 UNCH 0.10 UNCH				 		155 UNCH 19 UNCH 30 UNCH 10 UNCH
1570 1575 1580 1585				/0.10A /0.10A /0.10A /0.10A		0.10 UNCH 0.10 UNCH 0.10 UNCH	.0000					111 UNCH 10 UNCH 8 UNCH
1590 1595 1600				/0.10A /0.10A /0.10A		0.10 UNCH 0.10 UNCH 0.10 UNCH	.0000					17 UNCH 5 UNCH 1039 UNCH
1605 1610 1620				/0.10A /*0.10A 0.10B/*0.10A		0.10 UNCH 0.10 UNCH 0.10 UNCH	.0000					13 UNCH 12 UNCH 538 UNCH
1625 1630 1635	0.10	0.10 	0.10/*0.10 	0.10/*0.10 0.10B/*0.10A 0.10B/*0.10A		0.10 UNCH 0.10 UNCH 0.10 UNCH	.0000			35 		137 + 35 27 UNCH 11 UNCH
1640 1645 1650				0.10B/*0.10A 0.10B/0.10A 0.10B/0.10A		0.10 UNCH 0.10 UNCH 0.10 UNCH	.0001 .0001 .0001					30 UNCH 3 UNCH 916 UNCH
1655 1660 1665	0.10	0.10	0.10/*0.10	0.10B/*0.10A 0.10/*0.10 0.10B/*0.10A		0.10 UNCH 0.10 UNCH 0.10 UNCH	.0002 .0002 .0003			1 		17 UNCH 32 + 1 15 UNCH
1670 1675 1680	0.10	0.10	0.20B/ 0.20B/*0.10	0.10B/*0.10A 0.20B/0.20A 0.20B/*0.10		0.10 UNCH 0.10 UNCH 0.10 UNCH	.0003 .0004 .0005			 5		13 UNCH 136 UNCH 96 + 5
1685 1690 1695	0.20	0.20 0.20	0.20/0.20 0.20/0.20	0.20B/0.20A 0.20/0.20 0.20/0.20		$\begin{array}{cccc} 0.10 & - & 0.10 \\ 0.10 & - & 0.10 \\ 0.10 & - & 0.10 \\ \end{array}$.0006 .0007 .0009			10 20		11 UNCH 107 + 8 32 UNCH
1700 1705 1710	0.20 	0.20 	0.20/0.20 	0.20/0.20 0.20B/0.20A 0.20B/0.20A		$\begin{array}{cccc} 0.10 & - & 0.10 \\ 0.10 & - & 0.10 \\ 0.10 & - & 0.10 \\ \end{array}$.0010 .0012 .0015			10 2 		528 UNCH 37 UNCH 73 UNCH
1715 1720 1725				0.20B/0.20A 0.20B/0.20A 0.20B/0.20A		$\begin{array}{cccc} 0.10 & - & 0.10 \\ 0.10 & - & 0.10 \\ 0.10 & - & 0.10 \end{array}$.0018 .0021 .0024					182 UNCH 125 UNCH 302 UNCH
1730 1735 1740	0.20	0.20	0.20/*0.20 0.30B/	0.20B/0.20A 0.20/0.20 0.30B/0.20A		0.20 UNCH 0.20 UNCH 0.20 UNCH	.0045 .0045 .0046			1		110 UNCH 112 - 1 118 UNCH
1745 1750 1755	0.20	0.20	0.30B/0.20 0.30B/ 0.30B/ 0.30B/	0.30B/0.20 0.30B/0.20A 0.30B/*0.20A 0.30B/*0.20A		0.20 UNCH 0.20 UNCH 0.20 UNCH 0.20 UNCH	.0047 .0048 .0049 .0049			4 3 		87 UNCH 1674 UNCH 121 UNCH 200 UNCH
1760 1765 1770	0.20	0.20	0.30B/ 0.30B/ 0.30B/ 0.30B/*0.20	0.30B/*0.20A 0.30B/*0.20A 0.30B/*0.20A 0.30B/*0.20		0.20 UNCH 0.20 UNCH 0.20 UNCH 0.20 UNCH	.0049 .0050 .0051 .0052					200 UNCH 176 UNCH 315 UNCH 1167 UNCH
1775 1780 1785 1790	0.20 0.30 0.40	0.20 0.30 0.40	0.30/*0.20 0.30/*0.20 0.30/*0.20 0.40/*0.20A	0.30/*0.20 0.30/*0.20 0.30/*0.20 0.40/*0.20A		0.20 UNCH 0.20 - 0.10 0.20 - 0.10	.0052 .0053 .0054 .0055			34 41		197 + 10 443 UNCH 191 UNCH
1795 1800	0.20	0.20 0.30	0.40B/*0.20 0.50/0.20A 0.40B/*0.20A	0.40B/*0.20 0.50/0.20A 0.40B/*0.20A		0.20 - 0.10 0.20 - 0.10 0.20 - 0.10 0.20 - 0.10	.0056 .0057 .0059			3 117		784 - 2 3335 + 60 377 UNCH
1805 1810 1815	0.30 0.40	0.30 0.40	0.40/*0.30 0.50B/*0.30A 0.50B/*0.30A	0.40/*0.30 0.50B/*0.30A 0.50B/*0.30A		0.20 - 0.10 0.20 - 0.20	.0060 .0061			99 3		926 + 88 2286 - 2
1820 1825 1830			0.50B/*0.30A 0.50B/*0.30A 0.60B/*0.30A 0.60B/*0.30A	0.50B/*0.30A 0.50B/*0.30A 0.60B/*0.30A 0.60B/*0.30A		0.30 - 0.10 0.30 - 0.10 0.30 - 0.10 0.30 - 0.20	.0087 .0089 .0091 .0093			2 28 2		292 UNCH 4497 UNCH 388 UNCH 808 UNCH
1835 1840 1845	 0.50	 0.50	0.60B/*0.40A 0.60B/*0.40A 0.70B/*0.40A 0.80/*0.40	0.60B/*0.30A 0.60B/*0.40A 0.70B/*0.40A 0.80/*0.40		0.30 - 0.20 0.30 - 0.20 0.40 - 0.20 0.40 - 0.30	.0093 .0095 .0123 .0126			9 1 140		987 - 2 316 UNCH 2656 - 131
1850 1855 1860	0.50 0.50 0.50 0.80	0.50 0.50 0.50 0.80	0.808/*0.40 0.808/*0.40 1.10/*0.50 1.008/*0.50	0.806/*0.40 0.808/*0.40 1.10/*0.50 1.008/*0.50		0.40 - 0.30 0.50 - 0.20 0.50 - 0.30 0.60 - 0.30	.0126 .0154 .0158 .0187			101 72 68	400	700 + 89 3670 + 1 2014 - 3
1865 1870 1875 1880	1.00 0.80 0.80	1.00 0.80 0.80	1.108/*0.30 1.108/*0.60A 1.108/*0.70A 0.80/*0.70	1.10B/*0.60A 1.10B/*0.70A 1.20B/*0.70		0.60 - 0.50 0.60 - 0.50 0.70 - 0.50 0.80 - 0.50	.0187 .0192 .0222 .0252			102 28 81		948 + 31 2693 - 2 1149 UNCH
1880 1885 1890 1895	1.20 1.60 1.20	1.20 1.60 1.20	1.20/*0.80A 1.60/*0.90 1.20/*1.00	1.20B/*0.70 1.30B/*0.80A 1.60/*0.90 1.80B/*1.00		0.80 - 0.50 0.90 - 0.60 1.00 - 0.70 1.10 - 0.90	.0252 .0283 .0315 .0348			24 181 84		243 UNCH 1318 + 13 785 + 1
1900 1905 1910	2.00 1.30 2.10	2.00 1.30 2.10	2.00/*1.10 1.70/*1.30 2.30/*1.50A	2.00/*1.10 2.30B/*1.30 2.70B/*1.50A		1.10 - 0.90 1.30 - 1.00 1.50 - 1.10 1.70 - 1.30	.0404 .0462 .0520			366 54 219		2845 + 181 78 - 8 913 - 29
1915 1920	2.10 2.70	2.10 2.70	2.20/*1.70A 2.90/*1.90	3.10B/*1.70A 3.50B/*1.90		2.00 - 1.40 2.20 - 1.70	.0601			56 100		1575 + 24 663 - 5

METALS OPTIONS PRODUCTS

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Side 07

PG64	BULLET	ΓΙΝ #225@		M	METALS OPTION					Tue,	Nov 21	, 2023 PG64
	GLOBEX OPEN	OPEN OUTCRY OPEN RANGE	GLOBEX HIGH/LOW	OPEN OUTCRY HIGH/LOW	OPEN OUTCRY CLOSE RANGE	SETT.PRICE & PT.CHGE.	DELTA	EXER CISES	OPEN OUTCRY VOLUME		PNT VOLUME	OPEN INTEREST
OG PUT JAN24		COMEX GOLD OPT		4 40- (+2 20		2.52	0765			400		2224 240
1925 1930 1935	3.50 3.80 4.50 4.60	3.50 3.80 4.50 4.60	3.50/*2.20 4.00/*2.50 4.50/*3.00 4.60/*3.40A 6.70/*3.90A	4.10B/*2.20 4.70B/*2.50 5.40B/*3.00 6.20B/*3.40A		2.60 - 1.80 3.00 - 2.10 3.40 - 2.40 3.90 - 2.80	.0765 .0868 .0973 .1097			480 88 50 238		2234 + 310 1367 - 36 696 + 3 1145 - 32
1940 1945 1950 1955	6.70 6.70 7.70	6.70 6.70 7.70	6.70/*3.90A 6.90/*4.30 7.70/*5.10A 8.70/*5.90	7.10B/*3.90A 8.20B/*4.30 9.30B/*5.10A		4.50 - 3.10 5.20 - 3.50 5.90 - 3.90	.1240 .1399 .1559			285 997 348		1000 + 84 2878 - 36 895 - 164
1960 1965 1970	8.70 10.30 9.50	8.70 10.30 9.50	8.70/*5.90 10.30/*6.70 9.50/*7.70	10.60B/*5.90 12.10B/*6.70 13.60B/*7.70		6.80 - 4.40 7.70 - 4.90 8.80 - 5.40	.1748 .1939 .2154			98 40 69		777 - 5 1586 + 1 386 + 24
1975 1980 1985	12.30 14.10 15.50	12.30 14.10 15.50	12.40/*8.70A 15.10/*9.90A 15.50/*11.30A	15.40B/*8.70A 17.30B/*9.90A 19.30B/*11.30A		10.00 - 6.00 11.30 - 6.60 12.80 - 7.20	.2380 .2617 .2870			1059 337 739		1767 + 345 460 + 247 850 - 50
1990 1995 2000	17.60 20.30 25.50	17.60 20.30 25.50	17.60/*12.70A 20.30/*14.30A 25.50/*16.00A	21.50B/*12.70A 23.90B/*14.30A 26.60B/*16.00A		14.40 - 7.80 16.10 - 8.50 18.00 - 9.10 20.10 - 9.70	.3131 .3398 .3676			143 11 552		629 - 1 241 + 2 2379 + 368
2005 2010 2015	19.80 26.00 28.90	19.80 26.00 28.90	19.80/*17.90A 26.00/*20.00A 28.90/*22.10A	29.20B/*17.90A 32.00B/*20.00A 35.00B/*22.10A		22.30 - 10.30 24.70 - 10.90	.3961 .4247 .4536			5 19 52		667 - 2 550 - 2 283 - 1
2020 2025 2030	32.00 28.50 30.20	32.00 28.50 30.20	32.00/*24.40A 28.50/*26.90A 30.20/*29.50A	38.20B/*24.40A 41.20B/*26.90A 44.60B/*29.50A		27.20 - 11.50 29.90 - 12.10 32.70 - 12.70 35.70 - 13.30	.4824 .5109 .5389			34 429 2		59 + 28 618 + 184 111 + 1
2035 2040 2045	34.60 38.80 46.10	34.60 38.80 46.10	34.60/*32.30A 38.80/*35.20A /*38.20A	15. 408/*8.70A 17. 308/*9.90A 19. 308/*11.30A 21. 508/*12.70A 23. 908/*14.30A 26. 608/*16.00A 29. 208/*17.90A 35. 008/*20.00A 35. 008/*22.10A 38. 208/*24.40A 41. 208/*26.90A 44. 608/*29.50A 48. 208/*32.30A 51. 808/*35.20A 55. 608/*38.20A 59. 508/*41.30A 63. 508/*44.70A 67. 608/*48.10A	 	38.80 - 13.80 42.10 - 14.30	.5664 .5932 .6190			7 4 7		58 UNCH 50 UNCH 2 UNCH
2050 2055 2060 2065	55.10	55.10	/*44.70A 55.10/*48.10A	63.50B/*44.70A 67.60B/*48.10A 71.80B/*51.60A		45.50 - 14.80 49.00 - 15.20 52.60 - 15.70 56.30 - 16.20	.6440 .6680 .6904 .7125			<u>-</u> 2		138 - 6 16 UNCH 59 UNCH 34 UNCH
2070 2075 2080	74.50	74.50	/*55.30A 74.50/*59.00A /*62.90A	71.808/*45.10A 71.808/*55.30A 80.408/*55.30A 80.408/*59.00A 84.808/*62.90A 84.208/*66.80A 93.708/*70.80A 98.308/*74.90A		52.60 - 15.70 56.30 - 16.20 60.20 - 16.50 64.10 - 16.90 68.20 - 17.20	.7327 .7525 .7701			 4 		68 UNCH 119 + 1 15 UNCH
2085 2090 2095			/*66.80A /*70.80A /*74.90A	89.20B/*66.80A 93.70B/*70.80A 98.30B/*74.90A		72.30 - 17.30 76.50 - 17.80 80 70 - 18 20	.7874 .8033 .8178					21 UNCH 9 UNCH 53 UNCH
2100 2105 2110			/*79.10A /*83.40A /*87.70A	102.90B/*79.10A 107.50B/*83.40A 111.80B/*87.70A		85.00 - 18.50 89.40 - 18.70 93.90 - 18.90 98.30 - 19.20	.8321 .8448 .8560			1 		102 + 1 2 UNCH 3 UNCH
2120 2125	107.30	107.30	107.30/*92.00A /*96.40A /*100.90A	107.50B/*83.40A 111.80B/*87.70A 116.50B/*92.00A 121.20B/*96.40A 126.40B/*100.90A 130.80B/*105.40A 145.20B/*119.20A		102.90 - 19.30	.8670 .8778 .8869			1		34 UNCH 3 UNCH 23 UNCH
2145 2150	119.80	119.80 	17. 60/*12. 70A 20. 30/*14. 30A 25. 50/*16. 00A 19. 80/*17. 90A 26. 00/*20. 00A 28. 90/*22. 10A 32. 00/*24. 40A 32. 50/*26. 90A 34. 60/*32. 30A 34. 60/*32. 30A 34. 60/*32. 30A 36. 80/*35. 20A/*44. 70A 55. 10/*48. 10A/*44. 70A 55. 10/*48. 10A/*55. 30A 74. 50/*59. 00A/*62. 90A/*62. 90A/*70. 80A/*70. 80A/*70. 80A/*70. 10A/*83. 40A/*79. 10A/*83. 40A/*99. 40A/*96. 40A/*96. 40A/*100. 90A 119. 80/*105. 40A/*119. 20A/123. 90A/123. 90A/123. 90A	130.80B/*105.40A 145.20B/*119.20A 150.50B/123.90A		112.10 - 19.60 126.10 - 20.10 130.80 - 20.20	.8944 .9174 .9226			2 		9 UNCH 2 UNCH 5 UNCH
2155 2160 2170 2175			/123.20A /133.90A /143.40A	155.00B/129.20A 159.80B/133.90A 169.60B/143.40A 174.90B/147.60A	 	135.60 - 20.30 140.40 - 20.30 150.00 - 20.50 154.80 - 20.60	.9293 .9343 .9423 .9470					1 UNCH 1 UNCH 23 UNCH 24 UNCH
2180 2185 2190			/143.40A /147.60A /153.00A /157.80A /162.60A	179.40B/153.00A 184.40B/157.80A 189.30B/162.60A		159.70 - 20.60 164.50 - 20.80 169.40 - 20.80	.9516 .9544 .9571					4 UNCH 2 UNCH 3 UNCH
2195 2200 2205			/162.60A /167.50A /171.80A /177.20A	194.20B/167.50A 199.60B/171.80A 204.10B/177.20A		174.30 - 20.80 179.20 - 20.80 184.10 - 20.90	.9598 .9624 .9649					1 UNCH 26 UNCH 2 UNCH
2210 2215 2225			/182.10A /187.00A	209.10B/182.10A 214.10B/187.00A 224.30B/196.20A		189.00 - 20.90 193.90 - 21.00 203.80 - 21.00	.9674 .9680 .9728					1 UNCH 1 UNCH 3 UNCH
2230 2240 2250			/196.20A /201.70A /211.60A /220.90A	229.00B/201.70A 238.90B/211.60A 249.20B/220.90A		208.80 - 21.00 218.70 - 21.00 228.60 - 21.10	.9733 .9760 .9786					1 UNCH 1 UNCH 4 UNCH
2275 2325 2500			/245.70A /295.40A /470.90A	274.20B/245.70A 323.70B/295.40A 499.10B/470.90A		253.40 - 21.20 303.20 - 21.40 478.20 - 21.40	.9838 .9895 .9961					1 UNCH 1 UNCH 1 UNCH
3000 TOTAL FEB24			/970.80A	998.90B/970.80A		978.20 - 21.40	1.0000			8217	400	1 UNCH 74932 + 1626
1250 1275 1300				/0.10A /0.10A /0.10A		0.10 UNCH 0.10 UNCH 0.10 UNCH						196 UNCH 75 UNCH 3 UNCH
1325 1350 1400	0.10	0.10	 0.10/0.10	/0.10A /0.10A 0.10/0.10		0.10 UNCH 0.10 UNCH 0.10 UNCH				90		71 UNCH 254 UNCH 248 - 90
1440 1450 1460				/0.20A 0.10B/0.10A /*0.20A		0.10 UNCH 0.10 UNCH 0.10 UNCH	.0000					2 UNCH 39 UNCH 1 UNCH
1475 1480 1490 1500				0.10B/0.20A /*0.20A /*0.20A 0.10B/*0.10A		0.10 UNCH 0.10 UNCH 0.10 UNCH 0.10 UNCH	.0000 .0000 .0000					56 UNCH 1 UNCH 2 UNCH 21 UNCH
1510 1520 1525				/0.30A /0.30A 0.10B/0.20A		0.10 UNCH 0.10 UNCH 0.10 UNCH	.0000					4 UNCH 5 UNCH 22 UNCH
1535 1540 1545				0.10B/0.30A 0.10B/0.30A 0.10B/0.30A		0.10 UNCH 0.10 UNCH 0.10 UNCH	.0001 .0001 .0001					8 UNCH 2 UNCH 58 UNCH
1550 1555 1560			0.20B/ 	0.20B/0.20A 0.10B/0.30A 0.10B/0.30A		0.10 UNCH 0.10 UNCH 0.10 UNCH	.0001 .0002 .0002			26 		796 UNCH 10 UNCH 5 UNCH
1565 1570 1575			 0.20B/	0.10B/0.30A 0.10B/0.30A 0.20B/0.20A		0.10 UNCH 0.10 UNCH 0.10 UNCH	.0002 .0003 .0003					5 UNCH 6 UNCH 69 UNCH
1580 1585 1590			 0.20B/	0.10B/0.30A 0.10B/0.30A 0.10B/0.30A 0.20B/0.30A		0.10 UNCH 0.10 UNCH 0.10 UNCH 0.10 UNCH	.0004 .0005 .0005 .0006					15 UNCH 32 UNCH 2 UNCH 1 UNCH
1595 1600 1605 1610			0.30B/	0.30B/0.20A 0.20B/0.30A 0.20B/0.30A		0.10 - 0.10 0.10 - 0.10 0.10 - 0.10 0.10 - 0.10	.0007 .0009 .0010					505 UNCH 1 UNCH 103 UNCH
1615 1620 1625	0.20	 0.20	 0.20/*0.20	0.20B/0.30A 0.20B/0.30A 0.20/0.20		0.10 - 0.10 0.10 - 0.10 0.10 - 0.10	.0012 .0013 .0015			 4 1		7 UNCH 46 - 2 52 UNCH
1630 1635 1640	0.20 	0.20 	0.20/0.20	0.20/0.20 0.20B/0.30A 0.20B/0.20A		0.10 - 0.10 0.10 - 0.10 0.20 UNCH	.0017 .0020 .0036			2 		81 UNCH 11 UNCH 283 UNCH
1645 1650 1655			0.30B/ 0.30B/	0.30B/0.20A 0.30B/0.30A 0.30B/0.30A		0.20 UNCH 0.20 UNCH 0.20 UNCH	.0037 .0037 .0038					16 UNCH 612 UNCH 151 UNCH
1660 1665 1670			0.30B/ 0.30B/ 0.30B/	0.30B/0.20A 0.30B/0.30A 0.30B/0.30A		0.20 UNCH 0.20 UNCH 0.20 UNCH 0.20 - 0.10	.0038					167 UNCH 1 UNCH 202 UNCH
1675 1680 1685 1690	0.30 0.30 0.30	0.30 0.30 0.30	0.30/0.30 0.40B/0.30 0.40B/0.30	0.30B/0.30A 0.30/0.30 0.40B/0.30 0.40B/0.30		0.20 - 0.10 0.20 - 0.10 0.20 - 0.10 0.30 UNCH	.0040 .0040 .0041 .0058			6 1 7		49 UNCH 13 + 5 76 - 1 53 - 1
1695 1700 1705	0.30	0.30 0.30 0.30	0.40B/ 0.40/0.30 0.40B/*0.30	0.40B/0.40A 0.40/0.30 0.40B/*0.30		0.30 UNCH 0.30 UNCH 0.30 UNCH	.0059 .0060 .0061			 6 4		5 UNCH 1417 + 5 124 UNCH
1710 1710 1715 1720	0.30 0.40 0.40	0.30 0.40 0.40	0.40B/*0.30 0.40/0.40 0.50B/0.40	0.40B/*0.30 0.40/0.40 0.50B/0.40		0.30 - 0.10 0.30 - 0.10 0.30 - 0.10	.0062 .0063 .0063			1 1 1		35 - 1 21 UNCH 39 - 1
1725 1730 1735	0.40 	0.40 	0.50B/0.40 0.50B/ /*0.40A	0.50B/0.40 0.50B/*0.40A 0.50B/*0.40A		0.40 UNCH 0.40 UNCH 0.40 - 0.10	.0081 .0083 .0084			ī 		261 - 1 102 UNCH 259 UNCH
1740 1745 1750	0.50	 0.50	/*0.40A 0.60B/ 0.60B/*0.50	0.50B/*0.40A 0.60B/*0.50A 0.60B/*0.50		0.40 - 0.10 0.40 - 0.10 0.50 UNCH	.0085 .0087 .0105			 140		174 UNCH 760 UNCH 824 + 40
1755 1760 1765	0.50 0.60	0.50 0.60	/*0.50A 0.70B/*0.50 0.70B/*0.60	0.60B/*0.50A 0.70B/*0.50 0.70B/*0.60		$\begin{array}{cccc} 0.50 & - & 0.10 \\ 0.50 & - & 0.10 \\ 0.50 & - & 0.10 \\ 0.60 & - & 0.10 \end{array}$.0107 .0109 .0110			10 1		120 UNCH 79 + 10 136 UNCH
1770 1775 1780	0.60	0.60	/*0.60A 0.80B/*0.60 /0.70A 0.90B/*0.70A	0.70B/*0.60A 0.80B/*0.60 0.80B/0.70A 0.90B/*0.70A		$\begin{array}{cccc} 0.60 & - & 0.10 \\ 0.60 & - & 0.10 \\ 0.60 & - & 0.20 \\ 0.70 & - & 0.10 \end{array}$.0130 .0132 .0134 .0154			2 2		89 UNCH 949 - 2 176 UNCH 62 + 2
1785 1790 1795 1800	0.80 1.00	0.80 1.00	1.00B/*0.70A 1.00B/*0.70A /*0.80A 1.10B/*0.70	1.00B/*0.70A 1.00B/*0.70A 1.00B/*0.80A 1.10B/*0.70		0.70 - 0.10 $0.70 - 0.20$ $0.80 - 0.20$ $0.80 - 0.20$.0154 .0157 .0177 .0180			33 95		258 + 23 135 UNCH 2987 + 3
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METALS OPTIONS PRODUCTS

2023 DAILY INFORMATION BULLETIN - http://www.cmegroup.com/dailybulletin







20 South Wacker Drive, Chicago, Illinois 60606-7499. Customer Service: (312) 930-1000 PRELIMINARY PG64 BULLETIN #225@ METALS OPTION PRODUCTS Tue, Nov 21, 2023 PG64 OPEN OUTCRY VOLUME GLOBEX OPEN OPEN OUTCRY OPEN RANGE GLOBEX HIGH/LOW OPEN OUTCRY HIGH/LOW OPEN OUTCRY CLOSE RANGE SETT.PRICE & PT.CHGE. DELTA EXER CISES GLOBEX® VOLUME OPEN INTEREST PNT VOLUME 1.208/*0.90
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- 10. .0201 .0202 21 4 58 5 4 1 9 3 150 1.00 1.00 1.30 1.30 1.70 1.70 2.30 2.20 2.20 3.00 2.90 3.60 3.40 4.30 6.30 6.90 7.70 10.80 10.70 11.40 13.90 2.20 2.20 3.00 2.90 3.60 3.40 4.30 4.30 6.30 6.90 5.90 7.70 10.80 10.70 11.40 13.90 1000 1955 1970 1985 1970 1970 1970 1970 1 25.30 26.50 28.60 33.00 34.50 36.70 38.50 37.40 40.50 25.30 26.50 28.60 33.00 34.50 36.70 38.50 37.40 40.50 111 19 3 1 1,000 56247+ TOTAL MAR24

METALS OPTIONS PRODUCTS

64 Side 09

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

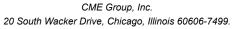
Customer Service: (312) 930-1000

DCC 1	F	TN #2256			PRELIN					T.	Nov. 21	2022 ~~~.
PG64		IN #225@	CLOPEY			ION PRODUCTS			OPEN	Tue,	Nov 21,	2023 PG64
	GLOBEX OPEN	OPEN OUTCRY OPEN RANGE	GLOBEX HIGH/LOW	OPEN OUTCRY HIGH/LOW	OPEN OUTCI CLOSE RANG		DELTA	EXER CISES	OPEN OUTCRY VOLUME	GLOBEX® VOLUME		OPEN INTEREST
OG PU		COMEX GOLD OP	TIONS						·			-
MAR24 1710 1715			0.70B/ /*0.60A	0.70B/*0.60A 0.70B/*0.60A		0.60 UNCH 0.60 - 0.10	.0103 .0105					1 UNCH 402 UNCH
1720 1725	0.60	0.60	0.80B/*0.60	0.70B/*0.70A 0.80B/*0.60		0.60 - 0.10 0.70 UNCH	.0106			1		44 UNCH 118 UNCH
1730 1735 1740			/0.70A /*0.80A	0.80B/0.70A 0.80B/*0.80A 0.90B/*0.80A		$egin{array}{rrrr} 0.70 & - & 0.10 \ 0.70 & - & 0.10 \ 0.80 & - & 0.10 \ \end{array}$.0123 .0125 .0141					21 UNCH 11 UNCH 23 UNCH
1745 1750			1.10B/*0.90A	0.90B/*0.90A 1.10B/*0.90A		$ \begin{array}{rrrr} 0.80 & - & 0.10 \\ 0.90 & - & 0.10 \end{array} $.0143			1		4 UNCH 1548 - 1
1755 1760			/*1.00A /*1.00A	1.10B/*1.00A 1.10B/*1.00A		0.90 - 0.20 1.00 - 0.10	.0161			5		22 UNCH 22 + 3
1765 1770 1775			/*1.10A /*1.10A /*1.20A	1.20B/*1.10A 1.30B/*1.10A 1.40B/*1.20A		$ \begin{array}{rrrrr} 1.10 & - & 0.10 \\ 1.10 & - & 0.20 \\ 1.20 & - & 0.20 \end{array} $.0193 .0196 .0213					62 UNCH 17 UNCH 78 UNCH
1780 1785			/*1.30A /*1.40A	1.40B/*1.30A 1.50B/*1.40A		1.30 - 0.20 1.40 - 0.20	.0230 .0247			4		39 UNCH 249 - 1
1790 1795			/*1.40A /*1.50A /*1.60A	1.60B/*1.40A 1.80B/*1.50A 1.90B/*1.60A		1.50 - 0.20 1.60 - 0.20 1.70 - 0.30	.0264 .0281 .0299			1 1 15		17 UNCH 62 UNCH 1132 - 3
1800 1805 1810	2.10	2.10	/*1.60A /*1.70A 2.10/*1.80	2.00B/*1.70A 2.10/*1.80		1.80 - 0.30 1.80 - 0.40	.0317			 10		48 UNCH 987 UNCH
1815 1820	2.20	2.20	2.20/*2.00A /*2.10A	2.30B/*2.00A 2.50B/*2.10A		2.10 - 0.40 2.20 - 0.50	.0366 .0385			3		153 UNCH 62 UNCH
1825 1830 1835	2.70 3.20	2.70 3.20	2.70/*2.20 /*2.40A 3.20/*2.60A	2.70/*2.20 2.90B/*2.40A 3.20/*2.60A		2.40 - 0.50 2.60 - 0.50 2.80 - 0.50	.0416 .0448 .0480			67 22		178 - 57 95 UNCH 47 + 14
1840 1845	3.10 3.40	3.10 3.40	3.10/*2.80A 3.40/*3.00A	3.40B/*2.80A 3.70B/*3.00A		3.00 - 0.60 3.20 - 0.70	.0513			3 12		318 + 1 145 + 9
1850 1855	3.70	3.70	3.70/*3.00 /*3.50A	4.00B/*3.00 4.30B/*3.50A		3.40 - 0.80 3.70 - 0.80	.0579			95 4		856 + 44 61 + 1
1860 1865 1870	3.70 4.80 5.10	3.70 4.80 5.10	3.70/*3.70 4.80/*4.00A 5.10/*4.30	4.70B/*3.70 5.00B/*4.00A 5.40B/*4.30		4.00 - 0.90 4.30 - 1.00 4.60 - 1.20	.0670 .0716 .0763			3 17 34		292 + 1 141 + 7 271 + 31
1875 1880	5.00	5.00 5.20	5.00/*4.60A 5.20/*5.00A	5.90B/*4.60A 6.40B/*5.00A		5.00 - 1.20 5.40 - 1.30	.0820			12 1		824 - 8 142 UNCH
1885 1890	7.00	7.00	/*5.40A 7.00/*5.80A	6.90B/*5.40A 7.50B/*5.80A		5.80 - 1.50 6.30 - 1.60	.0937			2 16		172 UNCH 77 + 1
1895 1900 1905	8.10 8.80	8.10 8.80	/*6.20A 8.10/*6.70 8.80/*7.30A	8.20B/*6.20A 8.90B/*6.70 9.60B/*7.30A		6.80 - 1.70 7.30 - 1.90 7.90 - 2.10	.1076 .1146 .1225			8 12 9		215 + 5 1211 + 10 36 + 9
1910 1915			/*7.80A /*8.50A	10.40B/*7.80A 11.20B/*8.50A		8.50 - 2.30 9.20 - 2.50	.1305					636 UNCH 32 UNCH
1920 1925	9.30 11.30	9.30 11.30	9.30/*9.10A 11.30/*9.80A	12.10B/*9.10A 13.10B/*9.80A		9.90 - 2.70 10.70 - 2.90	.1484			3 2		248 - 1 80 + 2
1930 1935 1940	12.50 11.50 14.70	12.50 11.50 14.70	12.50/*10.60A 11.50/*11.40A 14.70/*12.30A	14.10B/*10.60A 15.30B/*11.40A 16.50B/*12.30A		11.50 - 3.20 12.40 - 3.40 13.40 - 3.60	.1681 .1787 .1901			4 7 9		95 UNCH 321 - 2 74 + 8
1945 1950	14.20 15.30	14.20 15.30	14.20/*13.30A 16.00/*14.30A	17.80B/*13.30A 19.20B/*14.30A		14.40 - 3.90 15.50 - 4.20	.2015			3 10		319 + 1 820 + 1
1955 1960	18.70	18.70	18.70/*15.30 /*16.50A	20.60B/*15.30 22.10B/*16.50A		16.70 - 4.40 17.90 - 4.80	.2262			8 12		91 + 3 44 + 7
1965 1970 1975	21.10 20.30	21.10 20.30	21.10/*17.80A 21.00/*19.10A /*20.50A	23.70B/*17.80A 25.40B/*19.10A 27.30B/*20.50A		19.20 - 5.10 20.60 - 5.40 22.10 - 5.70	.2521 .2659 .2801			19 16 		98 + 11 93 + 1 124 UNCH
1980 1985	26.00	26.00	26.00/*22.00A /*23.50A	29.10B/*22.00A 31.10B/*23.50A		23.70 - 6.00 25.30 - 6.40	.2947			13		161 + 1 134 UNCH
1990 1995	26.90 28.50	26.90 28.50	26.90/*25.20A 28.50/*26.90A	33.20B/*25.20A 35.40B/*26.90A		27.10 - 6.70 29.00 - 7.00	.3246 .3402			12 7		218 + 11 219 - 3
2000 2005 2010	34.00 32.90 35.00	34.00 32.90 35.00	34.00/*28.70A 32.90/*30.50A 35.00/*32.60A	37.70B/*28.70A 40.10B/*30.50A 42.60B/*32.60A		30.90 - 7.40 33.00 - 7.70 35.10 - 8.10	.3557 .3716 .3874			203 1 1		862 + 158 14 UNCH 151 - 1
2015 2020	34.90	34.90	37.20/*34.70A /*36.90A	45.20B/*34.70A 47.80B/*36.90A		37.30 - 8.40 39.60 - 8.80	.4034			87 		259 + 47 81 UNCH
2025 2030	41.50 42.50	41.50 42.50	41.50/*39.00A 42.50/*41.50A	50.60B/*39.00A 53.50B/*41.50A		42.00 - 9.20 44.50 - 9.50	.4355			7 6		9 + 4 23 + 4
2035 2040 2045			/*43.80A /*46.40A /*49.00A	56.40B/*43.80A 59.40B/*46.40A 62.60B/*49.00A		47.00 - 9.90 49.70 - 10.30 52.40 - 10.70	.4675 .4834 .4993			5		3 UNCH 36 + 4 5 UNCH
2050 2055			/*51.70A /*54.60A	65.70B/*51.70A 69.00B/*54.60A		55.20 - 11.10 58.10 - 11.40	.5149					297 UNCH 41 UNCH
2060 2065			/*57.40A /*60.40A	72.40B/*57.40A 75.80B/*60.40A		61.10 - 11.80 64.20 - 12.10	.5455					62 UNCH 12 UNCH
2070 2075 2080			/*63.40A /*66.50A /*69.70A	78.80B/*63.40A 82.40B/*66.50A 86.00B/*69.70A		67.40 - 12.40 70.60 - 12.70 74.00 - 13.00	.5750 .5893 .6033					31 UNCH 10 UNCH 5 UNCH
2085 2090	78.30	78.30	/*73.00A 78.30/*76.40A	89.70B/*73.00A 93.40B/*76.40A		77.40 - 13.30 80.80 - 13.60	.6171 .6305			1		4 UNCH 10 - 1
2095 2100			/*79.80A /*83.30A /*86.80A	97.20B/*79.80A 101.10B/*83.30A		84.40 - 13.80 88.00 - 14.10	.6434			1 		3 UNCH 35 UNCH
2105 2110 2115			/*90.40A /*94.10A	105.00B/*86.80A 109.00B/*90.40A 113.00B/*94.10A		91.60 - 14.40 95.30 - 14.60 99.10 - 14.80	.6681 .6803 .6916					7 UNCH 12 UNCH 20 UNCH
2120 2125			/*97.80A /*101.60A	117.00B/*97.80A 121.10B/*101.60A		102.90 - 15.10 106.80 - 15.30	.7031 .7141					11 UNCH 169 UNCH
2130 2135 2140			/*105.40A /*109.30A /*113.20A	125.30B/*105.40A 129.50B/*109.30A 133.70B/*113.20A		110.70 - 15.50 114.70 - 15.70 118.70 - 15.90	.7245 .7347 .7444					6 UNCH 5 UNCH 8 UNCH
2145 2150			/*117.20A /*121.20A	138.00B/*117.20A 142.50B/*121.20A		122.70 - 16.20 126.80 - 16.40	.7539 .7634					4 UNCH 8 UNCH
2155 2160			/*125.30A /*129.40A	146.60B/*125.30A 151.00B/*129.40A		130.90 - 16.60 135.10 - 16.80	.7722 .7809					2 UNCH 4 UNCH
2165 2170 2175			/*133.50A /*137.70A /*141.90A	155.40B/*133.50A 159.80B/*137.70A 164.30B/*141.90A		139.30 - 17.00 143.60 - 17.10 147.80 - 17.30	.7895 .7974 .8052					3 UNCH 5 UNCH 3 UNCH
2180 2185			/*146.10A /*150.40A	168.80B/*146.10A 173.30B/*150.40A		152.10 - 17.50 156.50 - 17.60	.8123 .8193					3 UNCH 5 UNCH
2190 2195			/154.70A /159.10A	177.80B/154.70A 182.40B/159.10A		160.90 - 17.80 165.30 - 17.90	.8263 .8331					6 UNCH 1 UNCH
2200 2210 2220			/163.40A /172.20A /181.20A	187.30B/163.40A 196.10B/172.20A 205.40B/181.20A		169.70 - 18.10 178.60 - 18.40 187.60 - 18.70	.8392 .8512 .8622					6 UNCH 1 UNCH 6 UNCH
2225 2230			/185.70A /190.20A	210.10B/185.70A 214.80B/190.20A		192.20 - 18.80 196.80 - 18.90	.8672 .8722					2 UNCH 4 UNCH
2235 2240 2245			/194.70A /199.30A /203.90A	218.90B/194.70A 223.60B/199.30A 228.40B/203.90A		201.40 - 19.00 206.00 - 19.10 210.60 - 19.20	.8771 .8820 .8860					2 UNCH 3 UNCH 3 UNCH
2245 2250 2255			/208.50A /213.10A	233.70B/208.50A 237.90B/213.10A		215.20 - 19.30 219.90 - 19.40	.8908 .8947					4 UNCH 5 UNCH
2265 2270			/222.40A /227.00A	247.40B/222.40A 252.20B/227.00A		229.20 - 19.60 233.90 - 19.70	.9024 .9063					1 UNCH 1 UNCH
2275 2300 2325			/231.70A /255.30A /279.20A	257.50B/231.70A 281.70B/255.30A 306.00B/279.20A		238.70 - 19.70 262.40 - 20.10 286.50 - 20.30	.9092 .9249 .9372					17 UNCH 5 UNCH 2 UNCH
2325 2335 2340			/290.20A /295.10A	315.20B/290.20A 320.10B/295.10A		296.10 - 20.50 301.00 - 20.50	.9414 .9430					1 UNCH 1 UNCH
2350 2375			/303.40A /327.70A	330.60B/303.40A 355.20B/327.70A		310.70 - 20.60 335.20 - 20.70	.9471 .9545					4 UNCH 7 UNCH
2400 2425 2450			/352.20A /376.80A /401.60A	380.00B/352.20A 404.80B/376.80A 429.70B/401.60A		359.80 - 20.90 384.50 - 21.00 409.20 - 21.20	.9617 .9664 .9710					22 UNCH 2 UNCH 5 UNCH
2475 2500			/401.00A /426.40A /451.20A	453.90B/426.40A 479.60B/451.20A		434.10 - 21.30 459.00 - 21.40	.9754					2 UNCH 0 UNCH
T0TAL				,		==0				947		24047 + 470
APR24 1250 1275				0.10B/0.20A 0.10B/0.30A		0.20 UNCH 0.20 UNCH	.0017 .0017					1 UNCH 6 UNCH
1300 1350				0.10B/*0.20A 0.10B/0.30A		0.20 UNCH 0.30 + 0.10	.0018					14 UNCH 71 UNCH
1375 1450				0.20B/0.30A 0.20B/0.40A 0.10B/0.50A		0.30 UNCH 0.30 UNCH 0.30 UNCH	.0029 .0033 .0034					68 UNCH 4 UNCH
1470 1490 1500				0.10B/0.50A 0.20B/0.50A 0.30B/0.40A		0.30 UNCH 0.30 UNCH 0.40 + 0.10	.0034					1 UNCH 198 UNCH
1525 1550				0.30B/0.40A 0.30B/0.50A		0.40 UNCH 0.40 UNCH	.0048					38 UNCH 74 UNCH
1560				0.30B/0.50A		0.40 UNCH	.0052					5 UNCH

METALS OPTIONS PRODUCTS

Side 10

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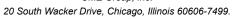


DC64	D.U. 1. 57	FTN #2250			PRELIIVII					Tuo	Nov 21,	2022 pc64
PG04	GLOBEX	OPEN OUTCRY	GLOBEX	OPEN OUTCRY	OPEN OUTCRY	ON PRODUCTS SETT.PRICE			OPEN	rue,	NOV ZI,	2023 PG64
	OPEN	OPEN RANGE	HIGH/LOW	HIGH/LOW	CLOSE RANGE		DELTA	EXER CISES	OUTCRY VOLUME	GLOBEX® VOLUME		OPEN INTEREST
OG PU APR24		COMEX GOLD OP										
1575 1590 1595				0.40B/0.50A 0.40B/0.50A 0.40B/0.50A		0.40 UNCH 0.40 UNCH 0.40 UNCH	.0053 .0055 .0055					109 UNCH 5 UNCH 1 UNCH
1600 1615				0.40B/0.50A 0.50B/*0.50A		0.40 - 0.10 0.50 UNCH	.0056 .0070					293 UNCH 105 UNCH
1620 1625 1630				0.50B/*0.50A 0.50B/*0.50A 0.50B/0.60A		0.50 UNCH 0.50 UNCH 0.50 UNCH	.0070 .0071 .0072					2 UNCH 81 UNCH 3 UNCH
1640 1645				0.60B/*0.60A 0.60B/*0.60A		0.60 UNCH 0.60 UNCH	.0085					4 UNCH 1 UNCH
1650 1670 1675			0.80B/	0.60B/*0.60A 0.80B/*0.80A 0.80B/*0.80A		0.60 UNCH 0.70 UNCH 0.80 UNCH	.0087 .0104 .0116					312 UNCH 10 UNCH 83 UNCH
1680 1700			0.90B/ 1.10B/ 1.20B/	0.90B/*0.80A 1.10B/*1.00A		0.80 UNCH 1.00 UNCH 1.10 UNCH	.0118 .0148					3 UNCH 390 UNCH
1710 1720 1725			/*1.20A /*1.30A	1.20B/*1.10A 1.30B/*1.20A 1.40B/*1.30A		1.20 - 0.10 $1.30 - 0.10$.0163 .0179 .0193					1 UNCH 128 UNCH 348 UNCH
1730 1740			/*1.40A /*1.50A /*1.60A	1.50B/*1.40A 1.70B/*1.50A 1.70B/*1.60A		1.40 - 0.10 1.50 - 0.20 1.60 - 0.20	.0207 .0224 .0238					2 UNCH 155 UNCH 109 UNCH
1745 1750 1755	1.80	1.80	1.90B/*1.70A /*1.80A	1.90B/*1.70A 2.00B/*1.80A		1.70 - 0.20 1.80 - 0.30	.0253 .0267			15 		425 UNCH 300 UNCH
1760 1765 1770			/*1.90A /*2.00A /*2.10A	2.10B/*1.90A 2.20B/*2.00A 2.30B/*2.10A		1.90 - 0.30 2.10 - 0.20 2.20 - 0.30	.0282 .0308 .0323					422 UNCH 99 UNCH 2 UNCH
1775 1780	2.60	2.60	2.60/*2.20 /*2.40A	2.60/*2.20 2.60B/*2.40A		2.30 - 0.40 2.50 - 0.30	.0339 .0365			92		559 - 8 46 UNCH
1785 1790 1795	3.00	 3.00	/*2.50A /*2.70A 3.00/*2.80A	2.80B/*2.50A 3.00B/*2.70A 3.20B/*2.80A		2.60 - 0.40 2.80 - 0.40 3.00 - 0.50	.0381 .0408 .0435			 5		91 UNCH 139 UNCH 8 UNCH
1800 1805	3.40	3.40	3.40/*3.00A /*3.20A	3.40/*3.00A 3.70B/*3.20A		3.20 - 0.50 3.40 - 0.50	.0462 .0490			76 		871 + 22 66 UNCH
1810 1815 1820	3.90	 3.90	/*3.40A /*3.60A 4.20/*3.90	3.90B/*3.40A 4.20B/*3.60A 4.50B/*3.90		3.60 - 0.60 3.80 - 0.70 4.10 - 0.70	.0517 .0545 .0584			 28		10 UNCH 22 UNCH 98 + 26
1825 1830	4.60 4.90	4.60 4.90	4.60/*4.00 4.90/*4.40A	4.80B/*4.00 5.20B/*4.40A		4.30 - 0.80 4.60 - 0.90	.0613 .0651			20 3		325 + 11 23 + 2
1835 1840 1845	 5.80	 5.80	/*4.60A /*4.90A 5.80/*5.30A	5.50B/*4.60A 5.90B/*4.90A 6.30B/*5.30A		4.90 - 1.00 5.30 - 1.00 5.60 - 1.10	.0691 .0739 .0779			 24		521 UNCH 41 UNCH 27 + 24
1850 1855	6.40	6.40	6.40/*5.60A /*6.00A 6.60/*6.40A	6.80B/*5.60A 7.30B/*6.00A		6.00 - 1.20 6.40 - 1.30	.0828			11 		663 + 1 3 UNCH
1860 1865 1870	6.60 6.80 7.90	6.60 6.80 7.90	6.80/*6.80 7.90/*7.30A	7.80B/*6.40A 8.40B/*6.80 8.90B/*7.30A		6.80 - 1.40 7.30 - 1.50 7.80 - 1.60	.0928 .0987 .1046			10 1 40		39 - 3 90 + 1 210 + 31
1875 1880			/*7.80A /*8.30A /*8.80A	9.60B/*7.80A 10.30B/*8.30A 11.00B/*8.80A		8.30 - 1.70 8.90 - 1.80 9.50 - 1.90	.1105			1 1 		748 UNCH 280 UNCH
1885 1890 1895			/*9.40A /*10.10A	11.80B/*9.40A 12.60B/*10.10A		10.10 - 2.10 10.80 - 2.30	.1241 .1310 .1386			1		442 UNCH 256 UNCH 13 UNCH
1900 1905	11.80	11.80	11.80/*10.70A /*11.50A /*12.20A	13.50B/*10.70A 14.40B/*11.50A 15.40B/*12.20A		11.50 - 2.50 12.30 - 2.60 13.10 - 2.80	.1463 .1546 .1631			32 		1284 UNCH 59 UNCH 58 UNCH
1910 1915 1920	15.50	15.50	15.50/*13.10A /*13.90A	16.50B/*13.10A 17.60B/*13.90A		14.00 - 3.00 14.90 - 3.20	.1721 .1812			9 17		76 + 9 302 UNCH
1925 1930 1935			/*14.80A /*15.80A /*16.90A	18.80B/*14.80A 20.00B/*15.80A 21.40B/*16.90A		15.90 - 3.40 17.00 - 3.60 18.10 - 3.80	.1910 .2013 .2116			17 10 10		299 UNCH 38 + 10 58 + 10
1940 1945	19.90 21.00	19.90 21.00	20.00/*18.00A 21.10/*19.10A	22.80B/*18.00A 24.20B/*19.10A		19.20 - 4.10 20.40 - 4.40	.2219 .2328			40 10		45 + 29 12 + 7
1950 1955 1960	20.30	20.30	20.30/*20.30 /*21.60A /*23.00A	25.80B/*20.30 27.40B/*21.60A 29.10B/*23.00A		21.70 - 4.70 23.10 - 4.90 24.50 - 5.20	.2441 .2559 .2677			100 1		435 + 1 107 + 75 31 UNCH
1965 1970	27.30	27.30	/*24.40A 27.70/*25.80A	30.90B/*24.40A 32.70B/*25.80A		26.00 - 5.50 27.60 - 5.80	.2799 .2924			11 15		67 + 11 28 + 15
1975 1980 1985	30.70	30.70	/*27.50A 30.70/*29.10A /*30.70A	34.70B/*27.50A 36.70B/*29.10A 38.80B/*30.70A		29.30 - 6.00 31.00 - 6.40 32.80 - 6.70	.3053 .3181 .3312			1 10 1		264 UNCH 502 + 2 28 - 1
1990 1995	33.80 39.50	33.80 39.50	33.80/*32.60A 39.50/*34.40A 39.50/*36.30A	41.00B/*32.60A 43.30B/*34.40A		34.70 - 7.00 36.70 - 7.30	.3445 .3580			5 11		9 - 4 11 + 10
2000 2005 2010	38.90 	38.90 	/*38.50A /*40.60A	45.70B/*36.30A 48.10B/*38.50A 50.70B/*40.60A		38.70 - 7.60 40.80 - 8.00 43.00 - 8.30	.3715 .3851 .3989			2 		1097 UNCH 4 UNCH 3 UNCH
2015 2020			/*42.60A /*44.90A /*47.30A	53.30B/*42.60A 56.00B/*44.90A 58.70B/*47.30A		45.30 - 8.60 47.70 - 8.90 50.10 - 9.30	.4127 .4266 .4404					192 UNCH 66 UNCH 44 UNCH
2025 2030 2035	50.00	50.00	50.00/*49.70A /*52.20A	61.60B/*49.70A 64.50B/*52.20A		52.70 - 9.50 55.30 - 9.80	.4542 .4679			1 		212 UNCH 10 UNCH
2040 2045 2050	 67.00	 67.00	/*54.70A /*57.40A 67.00/*60.10A	67.50B/*54.70A 70.60B/*57.40A 73.70B/*60.10A		58.00 - 10.10 60.70 - 10.50 63.60 - 10.70	.4816 .4952 .5086			2 11		152 UNCH 47 UNCH 591 UNCH
2055 2060			/*62.90A /*65.80A	76.90B/*62.90A 80.20B/*65.80A		66.50 - 11.00 69.40 - 11.30	.5219 .5350					77 UNCH 7 UNCH
2065 2070 2075	72.50 	72.50 	72.50/*68.70A /*71.70A /*74.80A	83.60B/*68.70A 87.00B/*71.70A 90.40B/*74.80A		72.50 NEW 75.60 - 11.90 78.80 - 12.10	.5479 .5606 .5730			1 		1 + 1 1 UNCH 83 UNCH
2080 2085			/*77.90A /*81.10A	94.00B/*77.90A 96.90B/*81.10A		82.10 - 12.30 85.40 - 12.60	.5852 .5972					30 UNCH 1 UNCH
2090 2095 2100			/*84.40A /*87.70A /*91.20A	100.50B/*84.40A 104.20B/*87.70A 107.90B/*91.20A		88.80 - 12.80 92.20 - 13.10 95.70 - 13.40	.6091 .6206 .6318					10 UNCH 4 UNCH 83 UNCH
2105 2110 2115			/*94.60A /*98.10A /*101.70A	111.70B/*94.60A 115.60B/*98.10A 119.40B/*101.70A		99.20 - 13.60 102.80 - 13.90 106.50 - 14.10	.6428 .6534 .6640					9 UNCH 1 UNCH 103 UNCH
2120 2125			/*105.30A /*109.00A	123.40B/*105.30A 127.30B/*109.00A		110.20 - 14.30 114.00 - 14.40	.6744 .6841					1 UNCH 26 UNCH
2130 2135 2150			/*112.70A /*116.40A /*128.00A	131.30B/*112.70A 135.40B/*116.40A 147.80B/*128.00A		117.80 - 14.70 121.60 - 14.90 133.40 - 15.50	.6940 .7034 .7301					2 UNCH 3 UNCH 16 UNCH
2160 2170			/*135.80A /*143.90A	156.20B/*135.80A 164.70B/*143.90A		141.40 - 15.90 149.60 - 16.20	.7470 .7626					3 UNCH 3 UNCH
2190 2200 2210			/*160.40A /168.90A /177.40A	182.20B/*160.40A 191.00B/168.90A 200.00B/177.40A		166.30 - 16.90 174.90 - 17.20 183.60 - 17.50	.7912 .8045 .8165					1 UNCH 68 UNCH 1 UNCH
2220 2250			/186.10A /212.60A	209.00B/186.10A 236.60B/212.60A		192.30 - 17.80 219.10 - 18.50	.8283 .8583					1 UNCH 1 UNCH
2275 2325 2350			/235.30A /281.80A /305.60A	260.00B/235.30A 307.60B/281.80A 331.80B/305.60A		242.00 - 18.90 288.80 - 19.70 312.70 - 19.90	.8787 .9115 .9240					35 UNCH 13 UNCH 16 UNCH
2400 2450			/353.70A /402.50A	380.60B/353.70A 430.00B/402.50A		360.90 - 20.50 409.90 - 20.80	.9429 .9573			 647		18 UNCH 20 UNCH 16253+ 282
TOTAL MAY24												
1500 1550 1575				0.40B/0.50A 0.50B/0.60A 0.60B/*0.60A		0.40 UNCH 0.50 UNCH 0.60 UNCH	.0045 .0059 .0072					4000 UNCH 1 UNCH 10 UNCH
1600 1615	0.70	0.70	0.70/*0.70	0.70/*0.70 0.80B/0.80A		0.70 UNCH 0.70 - 0.10	.0085 .0088			22		112 - 22 1 UNCH
1620 1625 1640				0.80B/*0.80A 0.80B/*0.80A 0.90B/*0.90A		0.80 UNCH 0.80 UNCH 0.90 UNCH	.0099 .0100 .0113					1 UNCH 80 UNCH 3 UNCH
1645 1650			/*0.90A /*1.20A	1.00B/*0.90A 1.00B/*1.00A		0.90 - 0.10 1.00 UNCH	.0115 .0126					2 UNCH 21 UNCH
1675 1680 1700	1.50	1.50	/*1.20A 1.60B/*1.50	1.30B/*1.20A 1.30B/*1.20A 1.60B/*1.50		1.20 - 0.10 1.30 UNCH 1.60 UNCH	.0153 .0165 .0202			1		5 UNCH 32 UNCH 50 UNCH
1715 1720	1.90 1.90	1.90 1.90	1.90/*1.70A /*1.80A 2.20B/*1.90	1.90/*1.70A 1.90B/*1.80A 2.20B/*1.90		$\begin{array}{rrrr} 1.80 & - & 0.10 \\ 1.90 & - & 0.10 \\ 2.00 & - & 0.10 \end{array}$.0229 .0242 .0254			31 63		34 + 31 2 UNCH 51 + 31
1725 1730 1735			/*2.00A /*2.10A	2.10B/*2.00A 2.30B/*2.10A		2.10 - 0.10 2.20 - 0.20	.0267 .0279					3 UNCH 5 UNCH
1740 1745 1750	2.40	 2.40	/*2.20A /*2.30A 2.80B/*2.40	2.40B/*2.20A 2.50B/*2.30A 2.80B/*2.40		2.30 - 0.20 2.40 - 0.20 2.60 - 0.20	.0292 .0306 .0328			 33		2 UNCH 100 UNCH 150 + 16
1755			/*2.60A	2.80B/*2.60A		2.70 - 0.20 2.70 - 0.20	.0341					12 UNCH

METALS OPTIONS PRODUCTS

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PG64	BULLET	rin #225@		M	ETALS OPTION	ON PRODUCTS				Tue,	Nov 21,	2023 PG64
	GLOBEX OPEN	OPEN OUTCRY OPEN RANGE	GLOBEX HIGH/LOW	OPEN OUTCRY HIGH/LOW	OPEN OUTCRY		DELTA	EXER	OPEN OUTCRY	GLOBEX®		OPEN
OG PU		COMEX GOLD OPT	TIONS					CISES	VOLUME	VOLUME	VOLUME	INTEREST
MAY24 1770 1775			/*3.00A /*3.20A	3.30B/*3.00A 3.50B/*3.20A		3.20 - 0.30 3.30 - 0.40	.0401 .0415					2 UNCH 522 UNCH
1780 1785 1790			/*3.40A /*3.50A /*3.70A	3.30B/*3.00A 3.50B/*3.20A 3.70B/*3.40A 3.90B/*3.50A 4.20B/*3.70A 4.40B/*3.90A 4.80B/*4.10		3.50 - 0.40 3.70 - 0.40 3.90 - 0.50	.0439 .0462 .0486					8 UNCH 259 UNCH 1 UNCH
1795 1800 1805	4.10	4.10	/*3.90A 4.10/*4.10 /*4.40A	4.40B/*3.90A 4.80B/*4.10 5.00B/*4.40A		4.10 - 0.60 4.40 - 0.50 4.60 - 0.60	.0510 .0543 .0567			 7		9 UNCH 532 UNCH 209 UNCH
1810 1815			/*4.70A /*5.00A	5.30B/*4.70A 5.60B/*5.00A		4.90 - 0.70 5.20 - 0.70 5.50 - 0.70	.0600 .0634 .0667					2 UNCH 57 UNCH
1820 1825 1830	6.00	6.00	6.00/*5.40A /*5.80A	5.90B/*5.10A 6.30B/*5.40A 6.70B/*5.80A		5.80 - 0.80 6.10 - 0.90	.0701 .0735			15 		23 + 15 2 UNCH
1835 1845 1850			/*6.10A /*6.80A /*7.20A	7.10B/*6.10A 8.00B/*6.80A 8.60B/*7.20A 9.00B/*7.60A 9.60B/*8.10A		6.50 - 1.00 7.30 - 1.10 7.70 - 1.20	.0777 .0862 .0905			 1		3 UNCH 14 UNCH 1086 + 1
1855 1860 1865			/*7.60A /*8.10A /*8.50A	10.20B/~8.50A		8.20 - 1.20 8.60 - 1.40 9.20 - 1.40	.0956 .0999 .1057					223 UNCH 5 UNCH 19 UNCH
1870 1875 1880			/*9.00A /*9.60A /*10.10A	10.80B/*9.00A 11.50B/*9.60A 12.20B/*10.10A		9.70 - 1.50 $10.30 - 1.60$ $10.90 - 1.70$.1109 .1167 .1225					18 UNCH 71 UNCH 10 UNCH
1885 1890 1895			/*10.80A /*11.40A /*12.10A	12 QNR/*10 RNA		11.50 - 1.90 12.20 - 2.00 12.90 - 2.10	.1284 .1350 .1416					254 UNCH 2 UNCH 9 UNCH
1900 1905 1910	14.40	14.40 	/*3.20A/*3.40A/*3.50A/*3.50A/*3.50A/*3.50A/*3.90A 4.10/*4.10/*4.70A/*5.00A/*5.10A 6.00/*5.40A/*5.40A/*6.80A/*6.80A/*7.20A/*8.50A/*8.50A/*8.50A/*8.50A/*8.50A/*10.80A/*11.40A/*11.40A/*12.70A/*13.40A/*17.80A/*17.80A/*17.80A/*17.80A/*18.80A/*18.80A/*19.80A/*19.80A/*19.80A/*19.80A/*19.80A/*19.80A/*19.80A	13.70B/*11.40A 14.50B/*12.10A 15.40B/*12.70A 16.30B/*13.40A 17.30B/*14.20A		13.60 - 2.30 14.40 - 2.40 15.20 - 2.60	.1482 .1554 .1626			 		393 UNCH 12 UNCH 11 UNCH
1915 1920 1925			/*15.00A /*15.90A /*16.80A	18.30B/*15.00A 19.40B/*15.90A 20.50B/*16.80A		16.10 - 2.70 17.00 - 2.90 17.90 - 3.10	.1704 .1783 .1862					2 UNCH 25 UNCH 9 UNCH
1930 1935			/*17.80A /*18.80A			18.90 - 3.30 20.00 - 3.50	.1946 .2035					8 UNCH 73 UNCH
1940 1945 1950			/*20.90A /*22.10A	21.708/~17.80A 23.008/*18.80A 24.308/*19.80A 25.608/*20.90A 27.108/*22.10A 28.608/*23.30A 30.208/*24.60A 33.508/*27.30A 35.308/*28.80A 37.108/*30.30A		22.30 - 3.80 23.50 - 4.10	.2124 .2217 .2311					7 UNCH 69 UNCH
1955 1960 1970	28.60	 28.60		30.20B/*24.60A 33.50B/*27.30A		24.80 - 4.30 26.10 - 4.50 28.90 - 5.10	.2409 .2507 .2711			 15		6 UNCH 28 UNCH 32 + 8
1975 1980 1985	32.80	32.80	/*28.80A 33.00/*30.30A /*31.90A	39.00B/*31.90A		30.50 - 5.30 32.10 - 5.50 33.70 - 5.90	.2819 .2928 .3036			5		19 UNCH 10 + 3 18 UNCH
1990 1995 2000			/*33.60A /*35.30A /*37.00A	41.00B/*33.60A 43.10B/*35.30A 45.20B/*37.00A		35.40 - 6.20 37.20 - 6.40 39.10 - 6.70	.3147 .3260 .3376					20 UNCH 1 UNCH 251 UNCH
2005 2010 2015			/*38.80A /*40.80A /*42.70A	47.40B/*38.80A 49.70B/*40.80A 52.10B/*42.70A		41.00 - 7.00 43.00 - 7.30 45.10 - 7.50	.3491 .3608 .3726					10 UNCH 16 UNCH 36 UNCH
2020 2025 2030			25.00/ 28.00A 33.00/*30.30A/*31.90A/*35.30A/*37.00A/*38.80A/*40.80A/*42.70A/*44.80A/*46.90A/*51.40A/*51.40A/*53.80A 61.80/*58.60A 66.30/*61.20A/*66.50A/*67.80A/*77.80A/*77.80A/*77.80A/*87.00A/*87.00A	54.50B/*44.80A 57.00B/*46.90A 59.60B/*49.10A		47.20 - 7.90 49.50 - 8.10 51.70 - 8.40	.3844 .3964 .4083					23 UNCH 2 UNCH 70 UNCH
2035 2040 2050	 61.80	 61.80	/*51.40A /*53.80A 61.80/*58.60A	62.20B/*51.40A 65.00B/*53.80A 70.60B/*58.60A		54.10 - 8.70 56.50 - 9.00 61.60 - 9.50	.4203 .4322 .4561			 1		4 UNCH 26 UNCH 86 + 1
2055 2060	66.30	66.30	66.30/*61.20A /*63.80A	73.50B/*61.20A 76.50B/*63.80A		64.20 - 9.80 66.90 - 10.10	.4680 .4799 .4916			1 		0 - 1 20 UNCH 1 UNCH
2065 2070 2075			/*69.20A /*72.00A	79.60B/*66.50A 82.70B/*69.20A 85.80B/*72.00A 89.10B/*74.90A		72.50 - 10.70 75.40 - 10.90	.5032 .5148					50 UNCH 25 UNCH
2080 2085 2095			/*74.90A /*77.80A /*83.90A	92.40B/*/7.80A 99.10B/*83.90A		78.40 - 11.10 81.40 - 11.40 87.60 - 11.90	.5261 .5373 .5593					112 UNCH 8 UNCH 1 UNCH
2100 2105 2125			/*87.00A /*90.20A /*103.40A	102.50B/*87.00A 106.00B/*90.20A 119.80B/*103.40A		90.80 - 12.20 94.10 - 12.40 107.70 - 13.20	.5700 .5806 .6210					25 UNCH 2 UNCH 118 UNCH
2130 2135 2140			/*106.80A	123.50B/*106.80A 127.30B/*110.30A 131.10B/*113.90A		111.20 - 13.50 114.70 - 13.70 118.40 - 13.90	.6306 .6401 .6493					9 UNCH 8 UNCH 1 UNCH
2150 2165 2170			/*113.90A /*121.10A /*132.20A /*136.00A	138.80B/*121.10A 150.70B/*132.20A 154.70B/*136.00A		125.70 - 14.30 137.10 - 14.80 140.90 - 15.00	.6672 .6923 .7005					11 UNCH 1 UNCH 1 UNCH
2200 2350 2375			/*159.40A /*290.50A /*313.70A	179.60B/*159.40A 315.20B/*290.50A 339.00B/*313.70A		164.80 - 16.00 297.10 - 19.10 320.50 - 19.50	.7448 .8843 .8984					153 UNCH 7 UNCH 7 UNCH
2450 2460 2525			/385.00A /396.60A /457.90A	411.50B/385.00A 419.90B/396.60A 485.20B/457.90A		392.10 - 20.30 401.80 - 20.30 465.20 - 20.80	.9300 .9331 .9507			 3		1 UNCH 3 UNCH 4 + 3
TOTAL JUN24	<u>.</u>		,	,						206		9863 + 86
900 1000 1050				/0.30A /0.30A 0.10B/0.30A		0.10 UNCH 0.10 UNCH 0.20 UNCH	.0001 .0006 .0013					19 UNCH 1 UNCH 1226 UNCH
1130 1150 1200				/0.40A 0.10B/0.40A 0.20B/0.40A		0.30 + 0.10 0.30 + 0.10 0.30 UNCH	.0020 .0020 .0022					1 UNCH 145 UNCH 34 UNCH
1225 1235 1250				0.20B/0.50A /0.50A 0.20B/0.50A		0.30 UNCH 0.30 UNCH 0.30 UNCH	.0023 .0023 .0024					1 UNCH 7 UNCH 41 UNCH
1300 1350 1360				0.30B/0.50A 0.30B/0.60A 0.10B/0.60A		0.30 UNCH 0.40 + 0.10 0.40 UNCH	.0025					1029 UNCH 1 UNCH 2 UNCH
1400 1410 1450				0.40B/0.60A 0.30B/0.50A 0.50B/0.50A		0.40 UNCH 0.40 UNCH 0.50 UNCH	.0038					7 UNCH 683 UNCH 1543 UNCH
1475 1485				0.50B/0.60A 0.50B/0.60A		0.50 UNCH 0.50 UNCH 0.50 UNCH 0.60 + 0.10	.0052					93 UNCH 1 UNCH 1 UNCH
1490 1500 1520				0.50B/0.60A 0.60B/*0.60A 0.60B/0.70A		0.60 UNCH 0.60 UNCH	.0063					5008 UNCH 15 UNCH
1525 1535 1545				0.60B/0.70A 0.70B/*0.70A 0.70B/0.80A		0.70 UNCH 0.70 UNCH 0.70 UNCH	.0074 .0076 .0077					51 UNCH 6 UNCH 1 UNCH
1550 1570 1575				0.70B/*0.80A 0.80B/*0.90A 0.90B/*0.90A		0.80 UNCH 0.90 UNCH 0.90 UNCH	.0086 .0099 .0100					437 UNCH 2 UNCH 57 UNCH
1585 1590 1600				0.90B/1.00A 1.00B/*1.00A 1.00B/*1.10A		0.90 - 0.10 1.00 UNCH 1.10 UNCH	.0102 .0111 .0122					1 UNCH 15 UNCH 436 UNCH
1605 1610 1625			/*1.10A 	1.10B/*1.10A 1.10B/*1.10A 1.30B/*1.30A		1.10 UNCH 1.10 - 0.10 1.30 UNCH	.0124 .0125 .0147					1 UNCH 1 UNCH 68 UNCH
1650 1665 1670			/*1.80A /*1.80A	1.60B/*1.60A 1.80B/*1.80A 1.90B/*1.80A		1.60 UNCH 1.80 - 0.10 1.90 - 0.10	.0181 .0205 .0216					1058 UNCH 1 UNCH 1 UNCH
1675 1680 1700	2.00	2.00 2.00	2.10B/*1.90A 2.20B/*2.00 /*2.40A	2.10B/*1.90A 2.20B/*2.00 2.70B/*2.40A		2.00 - 0.10 2.10 NEW 2.50 - 0.20	.0226 .0237 .0282			5 5		208 + 3 5 + 5 921 UNCH
1705 1725 1730			/*2.50A /*3.10A /*3.20A	2.70B/*2.50A 3.20B/*3.10A 3.40B/*3.20A		2.60 - 0.20 3.20 - 0.20 3.30 - 0.30	.0294 .0358 .0370					8 UNCH 338 UNCH 12 UNCH
1735 1745	4.20	4.20	/*3.40A /*3.70A 4.30B/*3.80	3.60B/*3.40A 4.00B/*3.70A 4.30B/*3.80		3.50 - 0.30 3.50 - 0.30 3.90 - 0.30 4.10 - 0.30	.0391 .0432 .0453			 25		30 UNCH 100 UNCH 835 UNCH
1750 1775 1790	5.30	5.30	5.30/*4.90 /*5.80A /*6.10A	4.30B/*3.80 5.50B/*4.90 6.40B/*5.80A 6.80B/*6.10A		5.20 - 0.60 6.10 - 0.70	.0567 .0656			39 		969 + 23 1 UNCH
1795 1800 1815	6.50	6.50	6.80/*6.40A /*7.40A	7.20B/*6.40A 8.40B/*7.40A		6.70 - 0.80 7.80 - 1.00	.0686 .0716 .0821			53		1286 + 53 5 UNCH
1820 1825 1830			/*7.80A /*8.20A /*8.60A	8.90B/*7.80A 9.40B/*8.20A 9.90B/*8.60A		8.20 - 1.10 $8.70 - 1.10$ $9.10 - 1.20$.0859 .0904 .0942					27 UNCH 180 UNCH 20 UNCH
1835 1840 1845			/*9.10A /*9.50A /*10.00A	10.40B/*9.10A 11.00B/*9.50A 11.60B/*10.00A		$\begin{array}{r} 9.60 - 1.20 \\ 10.10 - 1.30 \\ 10.60 - 1.40 \end{array}$.0987 .1033 .1078					1 UNCH 11 UNCH 19 UNCH
1850 1855			/*10.50A /*11.10A	12.20B/*10.50A 12.80B/*11.10A		11.20 - 1.50 11.70 - 1.60	.1130 .1176			48 		1287 - 40 8 UNCH

METALS OPTIONS PRODUCTS

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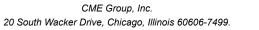
PG64	BULLET	IN #225@		М	ETALS OPTION	N PRODUCTS				Tue,	Nov 21	, 2023 PG64
	GLOBEX OPEN	OPEN OUTCRY OPEN RANGE	GLOBEX HIGH/LOW	OPEN OUTCRY HIGH/LOW	OPEN OUTCRY CLOSE RANGE	SETT.PRICE & PT.CHGE.	DELTA	EXER CISES	OPEN OUTCRY VOLUME	GLOBEX® VOLUME	PNT VOLUME	OPEN INTEREST
OG PU		COMEX GOLD OP		12 505 (*11 60)		12 20 1 70	1220					13
1860 1865 1870	13.50	13.50	/*11.60A 13.50/*12.20A /*12.90A	13.50B/*11.60A 14.30B/*12.20A 15.00B/*12.90A		12.30 - 1.70 13.00 - 1.80 13.70 - 1.80	.1228 .1286 .1344			3		12 UNCH 93 UNCH 153 UNCH
1875 1880	 16.60	 16.60	/*13.60A /*14.20A	15.00B/*12.90A 15.90B/*13.60A 16.70B/*14.20A		14.40 - 2.00 15.10 - 2.10 15.90 - 2.20	.1403 .1462 .1526			2 11		1233 UNCH 533 UNCH 28 + 9
1885 1890 1895	17.50	17.50 	16.80/*14.90A 17.60/*15.70A /*16.50A	16.70B/*14.20A 17.60B/*14.90A 18.50B/*15.70A 19.50B/*16.50A		16.70 - 2.30 17.50 - 2.50	.1590 .1655					513 + 4 13 UNCH
1900 1905 1910	19.10 20.90	19.10 20.90	19.10/*17.20 /*18.20A 20.90/*19.10	20.50B/*17.20 21.60B/*18.20A		18.40 - 2.70 19.30 - 2.80 20.30 - 3.00	.1724 .1794 .1869			<u>-</u> 2	100 	846 + 76 7 UNCH 5 + 2
1920 1925			/*21.10A /*22.20A	25.10B/*21.10A 26.40B/*22.20A		22.40 - 3.30 23.50 - 3.40	.2022			3		4 UNCH 436 UNCH
1930 1935 1940			/*23.30A /*24.40A /*25.60A	27.70B/*23.30A 29.10B/*24.40A 30.50B/*25.60A		24.60 - 3.70 25.80 - 3.90 27.10 - 4.00	.2181 .2265 .2352					1 UNCH 21 UNCH 2 UNCH
1950 1960	32.00	32.00	/*16.50A 19.10/*17.20/*18.20A 20.90/*19.10/*21.10A/*22.20A/*24.40A/*24.40A/*25.60A 32.30/*28.20A/*31.00A/*35.50A 39.90/*37.20A 38.80/*38.80/*40.60A 42.40/*42.40/*44.30A/*44.30A	19.508/*16.50A 20.508/*17.20 21.608/*18.20A 22.708/*19.10 25.108/*21.10A 26.408/*22.20A 27.708/*23.30A 29.108/*24.40A 30.508/*25.60A 33.608/*28.20A 36.908/*31.00A 40.508/*34.00A		29.80 - 4.40 32.60 - 4.90	.2529 .2711			109		399 + 4 151 UNCH
1970 1975 1980	39.90	 39.90	/*34.00A /*35.50A 39.90/*37.20A	40.50B/*34.00A 42.30B/*35.50A 44.30B/*37.20A		35.80 - 5.30 37.40 - 5.60 39.10 - 5.80	.2903 .3000 .3099			72 5		101 UNCH 525 + 72 19 + 5
1985 1990	38.80	38.80	38.80/*38.80 /*40.60A	46.30B/*38.80 48.40B/*40.60A 50.50B/*42.40		40.90 - 6.00 42.70 - 6.30	.3200			1		76 - 1 33 UNCH
1995 2000 2005	42.40 	42.40 	42.40/*42.40 /*44.30A /*46.20A /*48.20A	52.70B/*44.30A 55.00B/*46.20A		44.60 - 6.60 46.60 - 6.80 48.60 - 7.00	.3403 .3507 .3611			1 		41 UNCH 998 UNCH 194 UNCH
2010 2015 2020			/*48.20A /*50.30A	57.30B/*48.20A 59.70B/*50.30A		50.60 - 7.40 52.80 - 7.60 55.00 - 7.80	.3715 .3821 .3927					709 UNCH 25 UNCH 89 UNCH
2025 2030			/*50.30A /*50.30A /*52.40A /*54.70A /*56.80A /*59.20A	59.70B/*50.30A 62.20B/*52.40A 64.70B/*54.70A 67.30B/*56.80A 70.00B/*59.20A		57.30 - 8.10 59.60 - 8.40	.4034 .4140					56 UNCH 70 UNCH
2035 2040 2050	63.80 73.50	63.80 73.50	/*59.20A 63.80/*61.60A 73.50/*66.60A	72.70B/~61.60A 78.40R/*66.60A		62.00 - 8.60 64.40 - 8.90 69.60 - 9.40	.4247 .4354 .4567			1 10		100 UNCH 100 UNCH 393 UNCH
2055 2060	74.20	74.20	/*69.20A 74.20/*71.80A	81.30B/*69.20A 84.20B/*71.80A 87.30B/*74.50A 90.30B/*77.20A		72.20 - 9.70 74.90 - 9.90	.4673 .4778			4		25 UNCH 112 + 4
2065 2070 2075			/*/4.50A /*77.20A /*80.00A	93.50B/^8U.UUA		77.70 - 10.20 80.50 - 10.40 83.40 - 10.70	.4883 .4987 .5089			48	 50	140 UNCH 52 + 48 285 UNCH
2080 2085			/*82.90A /*85.80A	96.70B/*82.90A 99.90B/*85.80A		86.30 - 11.00 89.40 - 11.10	.5191 .5292					4 UNCH 73 UNCH
2100 2110 2125			/*59 30A 63.80/*61.60A 73.50/*66.60A/*69.20A 74.20/*71.80A/*74.50A/*80.00A/*80.00A/*85.80A/*85.80A/*94.90A/*101.10A/*111.10A/*105.60A/*154.40A/*156.60A/*166.80A/*166.80A/*298.90A/*298.30A/*298.30A/*303.50A/*340.40A	110.00B/*94.90A 116.90B/*101.10A 126.80B/*111.10A 145.50B/*128.50A 165.10B/*128.50A 165.10B/*150.60A 173.10B/*154.40A 185.40B/*166.00A 210.60B/*190.10A 227.90B/*206.80A 227.90B/*206.80A 322.90B/*238.90A 327.50B/*303.50A 365.20B/*340.40A 413.00B/387.40A		98.70 - 11.80 105.20 - 12.20 115.30 - 12.90	.5584 .5774 .6046					2 UNCH 120 UNCH 3 UNCH
2150 2175 2180			/*128.50A /*146.80A	145.50B/*128.50A 165.10B/*146.80A		133.10 - 13.70 151.80 - 14.60 155.60 - 14.80	.6467 .6848 .6921					6 UNCH 10 UNCH 1 UNCH
2185 2200			/*154.40A /*166.00A	173.10B/*154.40A 185.40B/*166.00A		159.50 - 14.90 171.40 - 15.30	.6990 .7190					1 UNCH 10 UNCH
2230 2250 2280			/*190.10A /*206.80A /*232.30A	210.60B/*190.10A 227.90B/*206.80A 254.30B/*232.30A		195.80 - 16.10 212.60 - 16.50 238.30 - 17.20	.7554 .7768 .8060					20 UNCH 4 UNCH 16 UNCH
2355 2360			/*298.90A /*303.50A /*340.40A	322.90B/*298.90A 327.50B/*303.50A		305.40 - 18.60 310.00 - 18.60 347.10 - 19.10	.8622 .8649					1 UNCH 1 UNCH
2400 2450 2500			/387.40A /435.20A	461.50B/435.20A		394.30 - 19.70 442.20 - 20.30	.8866 .9088 .9258					28 UNCH 6 UNCH
2575 TOTAL			/508.10A	535.10B/508.10A		515.30 - 20.80	.9458			455	150	2 UNCH 27204+ 267
JUL24 1275				0.30B/0.70A 0.30B/0.70A		0.50 UNCH 0.50 UNCH	.0037					27 UNCH 1 UNCH
1300 1500 1570				0.70B/0.90A 1.00B/*1.20A		0.70 UNCH 1.10 UNCH	.0069 .0112					21 UNCH 1 UNCH
1600 1605 1610				1.30B/*1.50A 1.30B/*1.50A 1.40B/*1.60A		$\begin{array}{r} 1.30 - 0.10 \\ 1.40 - 0.10 \\ 1.40 - 0.10 \end{array}$.0135 .0144 .0146					5 UNCH 10 UNCH 1 UNCH
1650 1675			/*2.10A /*2.50A /*3.10A	2.00B/*2.10A 2.50B/*2.50A 3.10B/*3.10A		2.00 - 0.20 2.50 - 0.20 3.10 - 0.30	.0207 .0257 .0317					6 UNCH 0 UNCH 19 UNCH
1700 1750 1775	4.70	4.70	4.70/*4.70 /*6.10A	5.00B/*4.70 6.40B/*6.10A		4.90 - 0.50 6.20 - 0.60	.0490 .0609			5 		6 + 5 21 UNCH
1800 1825 1830			/*7.60A /*9.50A /*10.00A	8.20B/*7.60A 10.50B/*9.50A 11.00B/*10.00A		7.80 - 0.90 9.90 - 1.10 10.30 - 1.20	.0752 .0930 .0966					1 UNCH 1 UNCH 1 UNCH
1840 1850	 14.30	 14.30	/*10.90A /*11.90A 14.30/*13.10A	12.10B/*10.90A 13.40B/*11.90A 14.80B/*13.10A		11.30 - 1.30 12.50 - 1.40 13.70 - 1.60	.1048 .1142 .1237			 1		1 UNCH 36 UNCH 3 - 1
1860 1875 1880			/*15.00A /*15.60A	17.10B/*15.00A 17.90B/*15.60A		15.70 - 1.90 16.40 - 2.00	.1391 .1444					50 UNCH 400 UNCH
1890 1895 1900	18.60 21.40	18.60 21.40	18.60/*17.10A /*17.80A 21.40/*18.60A	19.60B/*17.10A 20.60B/*17.80A 21.60B/*18.60A		18.00 - 2.20 18.80 - 2.40 19.70 - 2.50	.1561 .1620 .1683			 3		11 + 3 8 UNCH 276 UNCH
1905 1910	22.00	22.00	/*19.50A 22.00/*20.50A /*21.40A	22.60B/*19.50A 23.60B/*20.50A 24.70B/*21.40A		20.60 - 2.60 21.50 - 2.80 22.50 - 3.00	.1746 .1810 .1878			1		1 UNCH 4 + 1 2 UNCH
1915 1940 1950	29.30 31.00	29.30 31.00	29.30/*26.70A 31.40/*29.10A	31.00B/*26.70A 34.00B/*29.10A		28.00 - 3.90 30.50 - 4.30	.2238 .2394			1 3		$\begin{array}{ccc} 3 + & 1 \\ 18 + & 3 \end{array}$
1975 1980 1990	40.00	40.00	/*36.00A 40.30/*37.60A /*41.00A	42.00B/*36.00A 43.80B/*37.60A 47.60B/*41.00A		37.70 - 5.30 39.30 NEW 42.60 - 6.00	.2812 .2900 .3079			5		20 UNCH 5 + 5 1 UNCH
1995 2000			/*42.70A /*44.20A /*48.00A	49.60B/*42.70A 51.80B/*44.20A 55.90B/*48.00A		44.40 - 6.20 46.20 - 6.40 50.00 - 6.90	.3171 .3263 .3450			1		1 UNCH 20 UNCH 150 UNCH
2010 2015 2020			/*49.90A /*51.90A	58.10B/*49.90A 60.40B/*51.90A		52.00 - 7.10 54.10 - 7.30	.3545 .3641					1 UNCH 1 UNCH
2025 2050 2150	72.10	72.10	/*54.00A 72.10/*65.00A /*122.90A	62.90B/*54.00A 75.50B/*65.00A 138.70B/*122.90A		56.20 - 7.60 67.60 - 8.80 127.20 - 12.80	.3737 .4222 .6038			10		25 UNCH 32 + 10 3 UNCH
2175 2200 2250			/*140.30A /*158.70A /*197.60A	157.20B/*140.30A 176.60B/*158.70A 217.60B/*197.60A		145.00 - 13.60 163.70 - 14.30 203.20 - 15.60	.6419 .6767 .7367					2 UNCH 9 UNCH 26 UNCH
2300 2325			/*239.10A /*260.60A	260.60B/*239.10A 282.70B/*260.60A		245.10 - 16.70 266.70 - 17.20	.7859 .8068					10 UNCH 3 UNCH
2350 2375 2380			/*282.50A /*304.70A /*309.20A	305.20B/*282.50A 328.10B/*304.70A 332.70B/*309.20A		288.70 - 17.70 311.10 - 18.10 315.60 - 18.20	.8254 .8421 .8455					15 UNCH 1 UNCH 1 UNCH
2400 2500			/*327.30A /420.30A	351.20B/*327.30A 445.80B/420.30A		333.80 - 18.50 427.10 - 19.70	.8574 .9034			 33		7 UNCH 1 UNCH 1268+ 27
TOTAL AUG24 1425				0.70B/0.90A		0.80 + 0.10	.0068					3350 UNCH
1425 1500 1525				1.00B/1.20A 1.10B/*1.30A		1.10 UNCH 1.20 - 0.10	.0099 .0111					39 UNCH 9 UNCH
1550 1575 1600			 /*2.00A	1.30B/*1.50A 1.60B/*1.70A 1.90B/*2.00A		$ \begin{array}{r} 1.40 - 0.10 \\ 1.60 - 0.10 \\ 1.90 - 0.20 \end{array} $.0130 .0151 .0181					18 UNCH 33 UNCH 26 UNCH
1650 1680			/*2.90A /*3.70A /*4.30A	2.80B/*2.90A 3.60B/*3.70A		2.80 - 0.20 3.60 - 0.30	.0266 .0338					25 UNCH 26 UNCH
1700 1710 1740			/*4.70A /*6.00A	4.30B/*4.30A 4.80B/*4.70A 6.20B/*6.00A		4.30 - 0.30 4.70 - 0.40 6.10 - 0.50	.0400 .0435 .0555			1		262 UNCH 36 UNCH 11 UNCH
1750 1790 1800			/*6.50A /*9.10A /*9.90A	6.80B/*6.50A 9.70B/*9.10A 10.60B/*9.90A		6.70 - 0.50 9.40 - 0.80 10.20 - 1.00	.0604 .0824 .0887			<u>2</u> 1		509 UNCH 3 UNCH 298 UNCH
1815 1820			/*11.20A /*11.70A	12.20B/*11.20A 12.70B/*11.70A		11.60 - 1.20 12.10 - 1.20	.0995 .1033					4 UNCH 10 UNCH
1830 1835 1845	13.20 15.10	13.20 15.10	13.20/*12.70A /*13.30A 15.10/*14.40A	13.90B/*12.70A 14.60B/*13.30A 15.90B/*14.40A		13.20 - 1.40 13.80 - 1.40 15.00 NEW	.1115 .1158 .1246			10 9		1 - 10 10 UNCH 9 + 9
1850 1860	18.20	18.20	/*15.00A 18.20/*16.30A	16.80B/*15.00A 18.20/*16.30A		15.60 - 1.70 17.00 - 1.90	.1290 .1389			9 1		110 UNCH 1 UNCH
1870 1875 1880			/*17.80A /*18.50A /*19.30A	19.90B/*17.80A 20.80B/*18.50A 21.70B/*19.30A		18.50 - 2.10 19.30 - 2.20 20.10 - 2.40	.1492 .1546 .1600					45 UNCH 140 UNCH 5 UNCH
1895	23.90	23.90	23.90/*21.90A	24.70B/*21.90A		22.80 - 2.70 SER AND IS FURNISHED WIT	.1776			2		12 + 2

METALS OPTIONS PRODUCTS

Side 13

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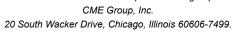
				PRELIMIN	AINI							
GLOB		GLOBEX	OPEN OUTCRY	OPEN OUTCRY	SETT.PRICE			OPEN			2023 PG	
OPE		HIGH/LOW	HIGH/LOW	CLOSE RANGE	& PT.CHGE.	DELTA	EXER CISES	OUTCRY VOLUME	GLOBEX® VOLUME	PNT VOLUME	OPE INTERES	
OG PUT AUG24 1900 1915 1920 1925 1935 32.1 1940 34.4 1950 1975 2000 2000 2050 2060 85.8 2060 85.8 2070 87.6 2070 87.6 2080 88.3 2150 2080 88.3 2150 2080 88.3	10 32.10 40 34.40 		26.008/*22.80A 29.308/*25.80A 30.508/*26.80A 31.808/*27.90A 34.508/*30.40A 36.008/*31.70A 39.308/*31.70A 47.608/*41.50A 57.708/*50.20A 64.108/*56.10A 69.008/*60.10A 76.408/*66.80A 81.708/*71.50A 81.708/*71.50A 92.508/*81.50A 92.508/*81.50A 92.708/*86.80A 145.008/*129.30A		23.80 - 2.80 26.90 - 3.30 28.00 - 3.40 29.10 - 3.60 31.60 NEW 32.90 NEW 35.60 - 4.40 38.50 - 4.80 43.20 - 5.40 52.10 - 6.50 58.10 - 7.20 62.40 - 7.60 69.20 - 8.30 74.00 - 8.70 79.10 - 9.10 84.30 - 9.80 87.00 - 9.80 87.00 - 9.80 88.80 - 9.90 133.40 - 12.40 188.60 NEW 573.20 - 20.60	.1839 .2031 .2098 .2165 .2382 .2532 .2532 .2688 .2929 .3353 .3617 .37965 .4245 .4605 .4605 .4605 .4783 .5931 .6922 .9318			10 1 10 10 10 3 6 10 81	125	616 UI 2 UI 125 UI 10 + 1 + 27 UI 100 UI 50 UI 205 + 103 UI 105 UI 350 UI 125 UI 127 UI 107 UI 108 UI 109 U	INCH INCH INCH INCH INCH INCH INCH INCH
SEP24 1425 1475 1525 1550 1550 1600 1625 1680 1680 1730 1730 1750 1750 1750 1750 1750 1950 1810 1830 1830 1850 1875 1990 19975 19975 19970 1975 19970 1975 19970 1975 19970 1975 1950 1975 1950 1975 1950 1975 1950 1975			0.908/1.10A 1.10B/1.30A 1.40B/1.70A 1.70B/1.30A 1.40B/1.70A 1.70B/2.20A 2.00B/2.20A 2.80B/2.60A 2.80B/3.60A 4.40B/4.50A 4.80B/4.80A 5.30B/4.80A 6.70B/6.60A 9.70B/9.30A 12.00B/7.70A 9.00B/8.60A 9.70B/9.30A 12.00B/11.30A 13.00B/11.30A 13.00B/11.30A 13.00B/2.20A 15.40B/2.40A 13.00B/2.20A 15.40B/2.40A 13.00B/2.20A 15.40B/2.40A 15.40B/2.40A 15.30B/4.41.40A 15.30B/4.41.40A 15.30B/4.41.40A 15.30B/4.41.40A 15.30B/4.41.40A 15.30B/4.51.50A		0.90 UNCH 1.20 UNCH 1.60 UNCH 1.90 UNCH 2.20 - 0.10 2.50 - 0.20 3.00 - 0.20 3.60 - 0.20 4.50 - 0.30 4.80 - 0.40 5.20 - 0.40 6.60 - 0.50 7.80 - 0.60 8.80 - 0.70 9.50 - 0.80 11.60 - 1.00 12.60 - 1.00 12.60 - 1.00 12.60 - 1.30 17.10 - 1.70 20.80 - 2.20 25.20 - 2.70 30.50 - 3.40 34.10 - 3.80 36.70 - 4.20 42.50 - 4.20 42.50 - 4.80 44.00 - 5.10 50.70 - 5.70 55.50 - 5.90 56.20 - 6.50 60.10 - 6.50 60.10 - 6.50 60.10 - 6.50 60.10 - 6.50 129.00 - 11.50 145.70 - 7.80 129.00 - 11.50	.0073 .0093 .0134 .0160 .0187 .0215 .0257 .0308 .0440 .0550 .0640 .0715 .0918 .0987 .0918 .2098 .2129 .2286 .2421 .2706 .2779 .3087 .3319 .3319 .3319 .3399 .3480 .3971 .5566 .5918 .8983					35 UI 15 UI 16 UI 16 UI 17 UI 11 UI 17 UI 11 UI 17 UI 11 UI	NCH NCH NCH NCH NCH NCH NCH NCH NCH NCH
OCT24 1450 1550 1550 1575 1600 1625 1675 1770 1730 1750 1750 1760 1775 1780 1775 1800 1825 1845 1845 1845 1990 1935 1900 1935 1900 2005 58.5 2010 2025 65.4 2025 65.4 2025 65.4 2025 2057 TOTAL			1.20B/*1.40A 1.60B/*1.80A 2.10B/*2.40A 2.50B/*2.80A 3.00B/*3.30A 3.70B/*3.90A 4.50B/*4.60A 5.50B/*5.50A 6.60B/*6.70A 8.40B/*8.30A 9.90B/*9.60A 10.70B/*10.30A 11.10B/*10.70A 12.00B/*11.50A 12.50B/*11.90A 14.60B/*8.30A 9.90B/*9.60A 10.70B/*10.30A 11.10B/*10.70A 12.50B/*11.90A 12.50B/*11.90A 12.50B/*11.90A 12.50B/*11.90A 12.50B/*13.80A 17.70B/*16.50A 19.90B/*18.40A 40.20B/*36.40A 44.70B/*40.00A 47.90B/*43.20A 62.60B/*59.90A 71.10B/*63.80A 73.40B/*63.80A 73.40B/*63.80A 73.40B/*63.80A 73.40B/*63.80A 73.40B/*63.80A 73.40B/*63.80A 73.90B/*73.90A 85.30B/*76.20A 87.90B/*78.50A 601.40B/576.30A		1.30 UNCH 1.60 - 0.20 2.20 - 0.30 2.60 - 0.30 3.10 - 0.40 3.80 - 0.30 4.60 - 0.40 6.70 - 0.50 8.40 - 0.60 9.70 - 0.80 10.50 - 0.80 11.70 - 1.00 12.20 - 1.00 14.10 - 1.20 16.90 - 1.60 18.90 - 1.60 18.90 - 1.80 20.30 - 2.00 37.40 - 4.00 41.50 - 4.00 41.50 - 4.00 41.50 - 6.30 65.70 NEW 76.50 - 7.50 78.80 - 7.70 81.20 - 7.80 583.00 - 20.10	.0101 .0129 .0179 .0211 .0252 .0305 .0366 .0434 .0735 .0789 .0816 .0871 .0903 .1208 .1373 .1415 .2333 .2562 .3235 .3309 .3385 .3612 .3906 .4078 .9069					7 UI 29 UI 127 UI 127 UI 124 UI 128 UI 129 U	INCH INCH INCH INCH INCH INCH INCH INCH
NOV24 1450 1475 1500 1575 1600 1750 1750 1800 1825 1840 2015 2020 2025 2030 67.3 2035 69.4 2050 2110 2150 2150 2150 2700 2700 27700 27700			1.408/1.70A 1.608/1.90A 1.90B/*2.10A 3.00B/*3.30A 3.60B/*3.80A 4.90B/*5.00A 7.60B/*7.70A 11.00B/*10.70A 15.80B/*17.80A 21.10B/*19.70A 21.10B/*19.70A 21.10B/*21.10A 53.10B/*47.80A 68.10B/*61.60A 70.20B/*63.50A 72.30B/*64.90A 74.50B/*67.30 76.70B/*69.30A 83.60B/*75.10A 115.10B/*104.30A 139.80B/*126.90A 585.70B/\$60.80A 609.70B/\$584.60A		1.50 UNCH 1.80 UNCH 2.10 UNCH 3.30 - 0.20 3.90 - 0.20 5.10 - 0.30 7.60 - 0.50 10.80 - 0.80 15.30 - 1.20 18.20 - 1.50 20.20 - 1.70 21.60 - 1.90 49.40 - 5.10 63.20 - 6.30 65.20 - 6.40 67.10 - 6.60 69.10 NEW 77.70 - 7.30 107.30 - 9.50 130.50 - 11.00 497.50 - 19.10 567.90 - 19.90 591.60 - 20.20	.0111 .0132 .0155 .0248 .03747 .0757 .1036 .1207 .1399 .2731 .3270 .3341 .3481 .3482 .3553 .3770 .8639 .8882 .8949			1 1 2 2		21 U1 12 U1 15 U1 8 U1 8 U1 8 U1 15 U1 15 U1 15 U1 15 U1 17 U1 18 U1 18 U1 19 U1	INCH INCH INCH INCH INCH INCH INCH INCH
DEC24 1250 1300 1425 1490 1525 1540 1550 1600 1665 1650 6.3			0.60B/1.10A 0.80B/1.20A 1.40B/#1.80A 2.00B/#2.30A 2.10B/#2.50A 2.30B/#2.60A 2.70B/#3.00A 3.00B/#3.30A 3.20B/#3.50A 4.60B/#4.80A 6.40B/#6.50A 6.70B/#6.30 7.90B/#8.00A	 	0.80 - 0.10 1.00 UNCH 1.60 - 0.10 2.10 UNCH 2.30 UNCH 2.40 - 0.10 3.80 - 0.10 3.10 - 0.10 3.30 - 0.20 4.70 - 0.30 6.50 - 0.40 6.70 - 0.40 8.00 - 0.40	.0051 .0065 .0113 .0150 .0164 .0172 .0201 .0222 .0236 .0330 .0447 .0460 .0542					1 UN 20 UN 84 UN 37 UN 1 UN 11 UN 131 UN 200 UN 208 + 249 UN	INCH INCH INCH INCH INCH INCH INCH INCH

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Side 14

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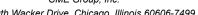


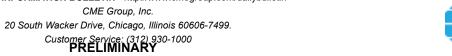
PG64 BU	JLLETIN	w #225@		М	ETALS OPTION P	RODUCTS				Tue,	Nov 21,	2023	PG64
GLOE OPE	EN	OPEN OUTCRY OPEN RANGE	GLOBEX HIGH/LOW	OPEN OUTCRY HIGH/LOW	OPEN OUTCRY CLOSE RANGE	SETT.PRICE & PT.CHGE.	DELTA	EXER CISES	OPEN OUTCRY VOLUME	GLOBEX® VOLUME	PNT VOLUME	(INTER	OPEN REST
1700 9. 1720 1725 1745 1750 1775 15. 1800 1825 1840 23. 1850 1870 30. 1875 1885 1990 34. 1925 1935 1960 1975 1985 1960 1975 1985 1960 1975 1985 1960 1975 1985 1960 1975 1985 1960 1975 1985 1960 1975 1985 1960 1975 1985 1960 1975 1985 1960 1975 1985 1960 1975 1985 1960 1975 1985 1960 1975 1985 1960 1975 1985 1970 19		9.50 15.00 23.40 30.30	/*8.50A 9.50/*9.30A 9.50/*9.30A/*10.70A/*11.00A/*12.60A/*12.60A/*12.90A/*14.80A 15.20/*15.00/*17.80A/*23.10A/*24.50A 30.30/*28.00A/*28.70A/*32.80A 34.00/*33.60A/*39.20A/*39.20A/*41.70A/*48.90A/*45.70A/*56.70A/*56.70A/*56.70A/*56.70A/*56.70A/*132.90A/*132.90A/*132.90A/*161.40A/*56.70A/*56.70A/*56.70A/*56.70A/*56.70A/*56.70A/*56.70A/*56.70A/*56.70A	8.40B/*8.50A 9.50/*9.30A 10.80B/*10.70A 11.20B/*11.00A 12.90B.*12.60A 13.30B/*12.90A 15.30B/*12.90A 15.30B/*14.80A 15.30B/*14.80A 15.90B/*17.80A 22.30B/*20.90A 24.70B/*23.10A 26.40B/*24.50A 30.30/*28.00A 31.10B/*28.70A 33.20B/*23.80A 35.50B/*32.80A 35.50B/*32.80A 36.60B/*39.20A 45.80B/*41.70A 50.20B/*45.70A 53.40B/*88.90A 55.10B/*53.10A 62.00B/*55.10A 67.80B/*65.00A 88.940B/*65.00A 89.40B/*65.00A 89.40B/*81.20A 102.10B/*92.70A 115.70B/*105.20A 145.80B/*136.90A 152.20B/*138.90A 179.40B/*164.40A 336.70B/*316.90A 587.30B/*316.90A		8.50 - 0.50 9.50 - 0.50 10.80 - 0.70 11.20 - 0.60 12.80 - 0.70 13.20 - 0.80 14.90 - 1.10 15.40 NEW 18.00 - 1.60 21.10 - 2.00 23.30 NEW 24.90 - 2.30 28.60 - 2.50 29.60 - 2.50 31.60 - 2.60 33.70 - 2.80 34.80 - 2.90 40.70 - 3.50 43.30 - 3.70 47.40 - 4.10 50.20 - 4.50 51.70 - 4.70 54.80 - 5.00 63.30 - 5.80 67.00 - 6.10 83.50 - 7.30 95.30 - 8.00 108.10 - 8.80 136.60 - 10.60 142.70 - 11.00 168.70 - 12.30 323.00 - 16.30 569.80 - 19.80 5593.40 - 20.10	.0574 .0635 .0715 .0739 .0833 .0858 .0959 .0988 .1137 .1308 .1424 .1506 .1685 .1733 .1827 .1925 .1925 .1925 .2238 .2349 .2520 .2636 .2818 .2943 .3134 .3265 .3333 .4147 .4490 .5153 .5275 .7520 .8764 .8837			10 10 10 1 1 		1 571 + 2 1 1545 2 10 + 7565 155 + 2 + 2 270 - 1000 1194 688 2000 100 11 330 15 666 364 391 654 508 208 109 11 11 8740 +	UNCH UNCH UNCH UNCH UNCH UNCH UNCH UNCH
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GLOE OPE	EN	OPEN OUTCRY OPEN RANGE	GLOBEX HIGH/LOW	OPEN OUTCRY HIGH/LOW	OPEN OUTCRY CLOSE RANGE	SETT.PRICE & PT.CHGE.	DELTA	EXER CISES	OPEN OUTCRY VOLUME	GLOBEX® VOLUME	PNT VOLUME	(INTER	OPEN REST
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METALS OPTIONS PRODUCTS

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Side 15

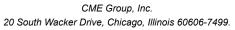
PG64 BULLE	TIN #225@			METALS OPTION	PRODUCTS				Tue,	Nov 21	, 2023 PC	G64
GLOBEX OPEN	OPEN OUTCRY OPEN RANGE	GLOBEX HIGH/LOW	OPEN OUTCRY HIGH/LOW	OPEN OUTCRY CLOSE RANGE	SETT.PRICE & PT.CHGE.	DELTA	EXER CISES	OPEN OUTCRY VOLUME	GLOBEX® VOLUME		-	PEN
OG CALL DEC23 2115 2120 0.20 2125 2130 0.10 2140 0.10 2145 0.10 2140 0.10 2155 0.10 2150 0.10 2155 0.10 2165 0.10 2175 0.10 2175 0.10 2218 2200 0.10 2215 2200 0.10 2225 0.10 2235 2220 0.10 2235 2220 0.10 2235 2225 0.10 2235 2220 0.10 2235 2225 0.10 2235 2250 0.10 2235 2250 0.10 2235 2250 0.10 2235 2250 0.10 2235 2250 0.10 2235 2250 0.10 2235 2250 0.10 2235 2250 0.10 2235 2250 0.10 2235 2250 0.10 2235 2250 0.10 2255 2260 2275 2280 2275 2280 2275 2280 2275 2280 2285 2290 2275 2280 2275 2280 2275 2280 2275 2280 2275 2280 2275 2280 2295 2310 2310 2310 2310 2310 2350 2350 2360 2375 2300 2350 2340 2350 2350 2340 2350 2350 2350 2360 2375 2400 2410 2425 2440 2475 2490 2475 2400 2400 2410 2425 24260 2450 2450 2475 2400 2410 2420 2450 2450 2400 2410 2420 2450 2400 2410 2420 2450 240	COMEX GOLD OPT 0.20 0.10 0.10 0.10 0.10 0.10 0.10 0.10	0.208/ 0.20/0.10 0.208/ 0.20/0.20 0.20/0.20 0.20/0.10 0.208/0.10 0.208/0.10 0.10/0.10	0.208/0.20A 0.20/0.10 0.208/0.10A 0.20/0.10A 0.20/0.10A 0.20/0.10 0.208/0.10 0.208/0.10 0.208/0.10 0.208/0.10 0.10/0.10 0.10/0.10 0.10/0.10 0.10/0.10 0.10/0.10 0.10/0.10 0.10/0.10A 0.108/0.10A 0.10B/0.10A 0.10/0.10 0.10/0.10 0.10/0.10 0.10/0.10 0.10/0.10 0.10/0.10A 0.10B/0.10A 0.10A 0.10B/0.10A 0.10B/0.10A 0.10B/0.10A 0.10B/0.10A 0.10A		0.10 UNCH 0.10 U	.0039 .0027 .0019 .0013 .0009 .0006 .00000 .0000	CISES	VOLUME	33 34 107 110 100 355 10 100	VOLUME	1395 - 12180 - 1341 1615 487 + 195 1	ST UNCL 2 UNCH 124 6 UNCH 124 6 UNCH 130 CH 140 UNCH 140
TOTAL JAN24 1620	396.50	408.90B/ 404.20B/396.50 398.90B/ 329.00B/ 229.00B/ 239.00B/ 249.00B/ 249.00B/ 224.00B/ 224.00B/ 214.00B/ 214.00B/ 214.00B/ 214.00B/ 214.00B/ 199.00B/ 199.00B/ 199.00B/ 159.30B/ 159.30B/ 179.80B/ 174.20B/ 155.00B/ 155.00B/ 155.00B/ 155.00B/ 115.50B/ 115.50B/ 110.80B/ 120.30B/ 110.80B/ 120.30B/ 110.80B/ 130.80B/ 130.80B/ 130.80B/ 130.80B/ 101.40B/ 92.80B/90.40 88.30B/ 75.30B/	408.90B/381.30A 404.20B/376.30A 398.90B/371.30A 329.00B/300.80A 279.00B/250.80A 249.00B/251.30A 239.00B/221.30A 239.00B/221.30A 239.00B/221.30A 239.00B/221.30A 249.00B/221.30A 249.00B/126.30A 209.00B/181.30A 204.60B/186.30A 209.00B/181.30A 204.60B/176.00A 199.00B/181.30A 199.00B/181.30A 199.00B/171.40A 194.00B/166.40A 199.00B/171.40A 199.00B/171.40A 159.30B/131.20A 174.20B/146.70A 179.80B/151.20A 174.20B/146.70A 179.80B/151.20A 179.80B/122.20A 149.50B/122.20A 149.50B/122.20A 149.50B/122.20A 149.50B/122.20A 149.50B/125.50A 108.88.80A 110.80B/81.30A 106.60B/79.80A 101.40B/75.50A 96.80B/71.20A 92.80B/67.00A 88.30B/62.90A 83.90B/58.90A 79.50B/55.20A 77.10B/44.20A 63.20B/41.00A 93.90B/55.00A 55.70B/35.00A 55.70B/35.00A 55.70B/35.00A 55.00B/27.20A 42.30B/27.20A 42.30B/24.90A 39.40B/22.80A 33.90B/19.00A 31.40B/17.30A 29.00B/15.60A 26.80B/17.30A		401.80 + 21.40 396.80 + 21.40 391.80 + 21.40 321.80 + 21.40 221.80 + 21.40 231.80 + 21.40 231.80 + 21.40 231.80 + 21.40 231.80 + 21.40 231.80 + 21.40 231.80 + 21.30 196.80 + 21.30 196.80 + 21.30 196.80 + 21.30 191.80 + 21.30 191.80 + 21.30 191.80 + 21.30 191.80 + 21.30 191.80 + 21.30 191.80 + 21.30 191.80 + 21.30 191.80 + 21.30 191.80 + 21.30 171.90 + 21.20 176.90 + 21.00 177.90 + 21.00 177.90 + 20.30 177.90	1.0000 1.0000 1.0000 1.0000 .9960 .9954 .9954 .9948 .9948 .9917 .9912 .9910 .9878 .9878 .9878 .9877 .9746 .9777 .9746 .9777 .9746 .9749 .9	17 29 7 1		14925		0 286 - 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	UNCH 100 UNCH UNCH UNCH UNCH UNCH UNCH UNCH UNCH

METALS OPTIONS PRODUCTS

Side 16

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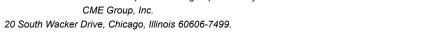
PC64 PULL	ETIN #225@			PRELIMIII TETALS OPTIO					Tuo	Nov. 21	, 2023 PG64
GLOBEX	OPEN OUTCRY	GLOBEX	OPEN OUTCRY	OPEN OUTCRY	SETT.PRICE	DEL TA	EVER	OPEN			
OPEN	OPEN RANGE	HIGH/LOW	HIGH/LOW	CLOSE RANGE	& PT.CHGE.	DELTA	EXER CISES	OUTCRY VOLUME	GLOBEX® VOLUME		OPEN INTEREST
OG CALL JAN24 2040 18.40 2045 16.40 2045 15.50 2055 13.20 2060 14.30 2060 14.30 2060 19.20 2070 8.80 2077 8.30 2080 9.20 2085 8.10 2090 7.40 2110 4.80 2115 5.00 2120 4.70 2125 3.00 2120 4.70 2125 3.00 2130 4.10 2135 3.70 2140 2.50 2150 2.90 2151 1.90 2160 2.50 2150 2.90 2151 1.90 2165 2.30 2170 2.90 2155 1.90 2160 2.50 2150 2.90 2151 1.00 2255 2220 1.10 2295 1.00 2210 1.30 2215 2220 1.10 2225 2230 1.30 2255 2220 1.10 2255 2220 1.10 2255 2220 1.10 2255 2220 1.10 2255 2230 1.30 2255 2230 0.80 2215 2230 0.80 2215 2230 0.80 2215 2230 0.80 2215 2230 0.80 2215 2230 0.80 2215 2230 0.80 2255 2266 2275 0.60 2285 2275 0.60 2380 2375 0.40 2380 2375 0.40 2380 2375 0.40 2390 2375 0.40 2390 0.70 2305 0.60 2325 2377 0.50 2380 2375 0.40 2380 2375 0.40 2390 2475 0.20 2500 0.70 2300 0.70 2300 0.70 2300 0.70 2300 0.70 2300 0.70 2300 0.40 2410 2475 0.20 2500 0.30 2555 2660 0.30 2700 0.20 3500 2475 0.20 2500 0.30 2555 2660 0.30 2700 0.20 3500 2775 0.60	COMEX GOLD OP 18.40 16.40 15.50 13.20 14.30 10.20 8.80 8.30 9.20 8.10 7.40 5.80 4.40 6.20 4.80 4.70 3.00 4.70 3.70 3.40 2.50 2.90 1.90 2.50 2.30 2.90 1.90 2.50 2.30 2.90 1.90 2.50 2.30 2.90 1.90 2.50 2.30 2.90 1.90 2.50 2.30 2.90 2.90 2.30 2.90 2.90 2.30 2.90 2.90 2.30 2.90 2.90 2.30 2.90 2.90 2.30 2.90 2.90 2.30 2.90 2.90 2.30 2.90 2.90 2.30 2.90 2.90 2.90 2.90 2.90 2.90 2.90 2.9	24.708/13.00A 22.808/11.80A 21.00/10.80A 19.208/9.80A 17.708/14.00 16.308/9.90 14.908/8.80 13.708/8.30 12.50/7.20 11.508/6.90 10.60/7.40 9.708/5.80 8.90/4.40 9.708/5.80 8.90/4.40 7.508/4.80 6.90/5.00 6.408/4.70 5.808/3.00 5.408/4.10 5.008/3.70 4.608/3.40 4.20/2.50 3.508/1.90 3.308/3.50 2.90/2.20 3.508/1.90 3.308/2.50 3.10/2.30 2.90/2.20 2.108/1.80 1.908/3.70 1.008/3.70 1.	24.708/13.00A 22.808/11.80A 21.00/10.80A 19.208/9.80A 17.708/8.90A 16.308/8.10A 14.908/7.40A 13.708/6.70A 12.50/6.10A 11.508/5.60A 10.60/5.10A 9.708/4.70A 8.90/4.30A 6.90/3.30A 6.40B/3.00A 5.808/2.80A 5.908/2.80A 5.908/2.40A 4.60B/2.20A 4.20/2.00A 3.90/1.90A 3.50B/1.80A 3.90/1.90A 3.50B/1.80A 3.10/1.50A 2.90/1.40A 4.60B/2.20A 4.20/2.00A 3.90/1.90A 3.50B/1.80A 3.10/1.50A 2.90/1.40A 4.60B/2.20A 4.20/2.00A 3.10/1.50A 2.90/1.40A 4.60B/2.20A 4.20/2.00A 3.90/1.90A 3.10B/1.10A 1.90B/1.10A 1.90B/1.10A 1.90B/1.10A 1.90B/1.10A 1.90B/1.10A 1.00B/0.60A 1.30B/0.80A 1.30B/0.80A 1.30B/0.80A 1.30B/0.80A 1.30B/0.60A 0.90B/0.60A 0.90B/0.60A 0.90B/0.60A 0.90B/0.60A 0.90B/0.50A 0.80B/0.50A 0.80B/0.30A 0.40B/0.30A		20.70 + 7.50 19.00 + 7.00 17.40 + 6.50 15.90 + 6.00 14.60 + 5.70 13.30 + 4.80 11.10 + 4.40 10.20 + 4.10 9.30 + 3.70 8.50 + 3.40 7.80 + 3.20 7.10 + 2.60 6.00 + 2.40 5.50 + 2.60 6.00 + 2.40 5.50 + 2.60 6.00 + 1.40 3.30 + 1.70 3.90 + 1.50 3.60 + 1.40 3.30 + 1.70 3.90 + 1.50 3.60 + 1.40 3.30 + 1.70 3.90 + 1.50 3.60 + 1.40 3.30 + 1.70 3.90 + 1.50 3.60 + 1.40 3.30 + 1.70 3.90 + 1.50 3.60 + 1.40 3.30 + 1.30 3.10 + 1.20 2.80 + 1.00 2.80 + 1.00 2.80 + 1.00 2.80 + 1.00 2.10 + 0.80 1.90 + 0.70 1.80 + 0.60 1.70 + 0.60 1.70 + 0.60 1.50 + 0.50 1.30 + 0.50 1.30 + 0.50 1.30 + 0.50 1.30 + 0.50 1.30 + 0.50 1.30 + 0.50 1.30 + 0.50 1.30 + 0.40 1.10 + 0.40 1.10 + 0.40 1.10 + 0.40 1.10 + 0.40 1.10 + 0.40 1.00 + 0.40 0.80 + 0.30 0.80 + 0.30 0.80 + 0.30 0.70 + 0.70 0.70 + 0.30 0.70 + 0.30 0.70 + 0.30 0.70 + 0.30 0.70 + 0.3	.4058 .3800 .3551 .3310 .3086 .2664 .2466 .2290 .2118 .1958 .1813 .1671 .1544 .1432 .1215 .1123 .1049 .0961 .0602 .0576 .0768 .0768 .0768 .0761 .0602 .0525 .0479 .0425 .0373 .0313 .0323 .0313 .0323 .0313 .0024 .0044 .0044 .0045 .0045 .0040			51 30 3138 42 1305 38 144 65 453 1558 558 558 43 1101 43 45 326 527 41 43 45 327 41 43 45 327 41 43 45 31 10 10 31 10 43 44 45 31 45 31 45 31 47 41 43 45 45 45 45 45 45 45 45 45 45	400	1480 + 11 1963 - 15 6601 - 1225 1365 + 467 1993 + 19 1097 + 77 1330 + 38 1354 + 140 2188 + 983 37667 - 194 470 - 13 7641 - 29 894 - 157 654 + 21 2656 + 1 1291 + 10 439 + 24 106 + 6 494 + 8 114 UNCH 3905 + 106 106 + 16 604 + 37 127 + 3 3277 - 15 1468 UNCH 1155 - 9 267 + 6 494 + 8 114 UNCH 3905 + 106 106 + 16 105 - 4 1155 - 9 267 + 1 1367 + 15 1367 + 15 1367 + 15 1367 + 15 1368 - 10 1006 + 10 1006 + 10 1006 + 10 1006 + 10 1006 + 10 1006 + 10 1007 + 10 10
FEB24	134.40 130.20 109.60 74.60 69.00 61.10 53.50 50.30 40.90 41.80	729.10B/ 353.90B/ 329.10B/ 318.90B/ 288.90B/ 279.10B/ 254.00B/ 248.30B/ 248.30B/ 239.00B/ 213.60B/ 213.60B/ 205.00B/ 205.00B/ 193.90B/ 184.20B/ 189.10B/ 180.50B/ 174.40B/ 170.20B/ 174.40B/ 170.20B/ 174.40B/ 170.20B/ 174.40B/ 170.20B/ 174.80B/ 175.60B/134.40 145.90B/ 150.60B/134.40 145.90B/ 124.10B/ 133.10B/129.20 128.60B/ 124.10B/ 124.10B/ 124.10B/ 125.20B/109.60 110.80B/ 126.50B/ 127.20B/ 128.40B/ 129.10B/74.20 86.20B/ 82.40B/69.00 78.70B/56.90A 75.10B/53.80A 75.50B/50.90A 68.10B/48.00A 64.90B/45.30A 61.70B/42.80A 55.60B/33.60A 50.00B/33.50A	729.10B/700.70A 353.90B/326.30A 329.10B/360.70A 318.90B/291.40A 288.90B/261.40A 279.10B/250.80A 254.00B/225.90A 248.30B/221.50A 239.00B/211.50A 239.00B/211.50A 229.70B/201.10A 218.60B/191.80A 213.60B/186.90A 208.70B/182.00A		721.80 + 21.40 346.80 + 21.40 321.80 + 21.40 321.80 + 21.40 311.80 + 21.40 281.80 + 21.40 281.80 + 21.40 271.80 + 21.30 241.80 + 21.30 241.80 + 21.30 221.90 + 21.30 221.90 + 21.20 207.10 + 21.20 207.10 + 21.20 207.10 + 21.20 207.10 + 21.20 207.10 + 21.00 197.20 + 21.00 192.30 + 22.00 187.40 + 20.90 187.50 + 20.90 187.50 + 20.90 177.70 + 20.80 172.80 + 20.60 163.20 + 20.60 163.20 + 20.60 158.40 + 20.40 149.00 + 20.30 144.30 + 20.10 139.60 + 20.00 135.00 + 19.80 130.40 + 19.70 125.80 + 19.40 121.30 + 19.80 130.40 + 19.70 125.80 + 19.40 121.30 + 19.50 136.90 + 19.10 112.50 + 18.50 103.90 + 18.40 99.70 + 18.10 99.70 + 18.10 99.70 + 18.10 99.70 + 18.10 91.50 + 17.40 87.50 + 17.40 87.50 + 17.40 87.50 + 17.40 87.50 + 17.40 87.50 + 15.80 72.60 + 15.50 69.10 + 15.10 65.70 + 14.60 62.40 + 14.10 59.30 + 13.70 56.20 + 13.20 53.30 + 12.80 50.50 + 12.80 50.50 + 12.80 50.50 + 12.80 50.50 + 12.80 50.50 + 12.80 50.50 + 12.80 50.50 + 12.80	1.0000 .9985 .9958 .9956 .9926 .9927 .9904 .9874 .9827 .9847 .9822 .9778 .9774 .9728 .9774 .9751 .9728 .9762 .9682 .9642 .9642 .9649 .9351 .9233 .9160 .9086 .9011 .8822 .8629 .8833 .8732 .8629 .88129 .8928 .8515 .8129 .7984 .7830 .7500 .7326 .6380 .5976 .6380 .5976 .6380 .5976 .6380 .5976	25		25 25 25		1 UNCH 0 UNCH 1 UNCH 1 UNCH 1 UNCH 1 UNCH 2 1 UNCH 62 UNCH 1 UNCH 2 UNCH 1 UNCH 1 UNCH 2 UNCH 1 UNCH 2 UNCH

METALS OPTIONS PRODUCTS

Side 17

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PG64	BULLET	IN #225@		1	METALS OPTION	PRODUCTS				Tue,	Nov 21	, 2023 PG64
	GLOBEX OPEN	OPEN OUTCRY OPEN RANGE	GLOBEX HIGH/LOW	OPEN OUTCRY HIGH/LOW	OPEN OUTCRY CLOSE RANGE	SETT.PRICE & PT.CHGE.	DELTA	EXER CISES	OPEN OUTCRY VOLUME	GLOBEX® VOLUME	PNT VOLUME	OPEN INTEREST
OG CAI FEB24 2015 2020 2025 2030 2025 2030 2025 2040 2025 2060 2065 2075 2085 2090 2105 2110 21120 21130 21135 21145 2115 2120 212130 2115 2120 212130 2116 21170 212130 21170 21170 212130 21170 21170 212130 2117	35.80 36.60 29.90 29.90 29.90 36.60 34.50 25.50 20.80 20.50 15.90 18.20 11.60 12.80 11.60 12.80 11.50 10.10 12.80 11.50 10.80 8.00 7.70 7.10 7.70 7.10 7.70 7.10 7.70 7.10 3.90 6.80 5.20 6.80 5.20 6.80 5.20 6.80 5.20 6.80 5.20 6.80 5.20 6.80 5.20 6.80 6.80 6.80 6.80 6.80 6.80 6.80 6.8	COMEX GOLD OPT 35.80 36.60 29.90 29.90 29.90 36.60 34.50 25.50 25.50 15.90 18.20 15.00 14.30 18.10 11.00 12.80 11.50 10.80 8.00 7.10 7.70 7.10 7.70 7.10 7.70 7.10 7.80 6.80 5.50 5.20 6.80 5.50 5.20 6.80 5.50 6.80 5.20 6.80 5.20 6.80 5.20 6.80 5.20 6.80 6.80 6.50 6.80 6.50 6.80 6.50 6.80 6.50 6.80 6.50 6.80 6.50 6.80 6.50 6.80 6.50 6.80 6.50 6.80 6.50 6.80 6.50 6.80 6.80 6.80 6.50 6.80 6.80 6.80 6.90 6.80 6.90 6.80 6.90 6.80 6.90 6.80 6.90 6.80 6.90 6.80 6.90 6.80 6.90 6.90 6.90 6.90 6.90 6.90 6.90 6.9	47.40B/31.50A 44.90B/29.60A 42.60/27.80A 40.20B/26.10A 38.10B/24.50A 36.00B/23.00A 34.00B/21.70A 32.10B/20.20A 30.30B/19.10A 28.70B/17.80A 27.00B/16.70A 25.50B/18.10 24.10B/14.70A 22.70B/17.70 21.40B/15.00 20.20B/14.30 19.10B/16.30 18.20/11.00 17.00B/11.50 16.00B/9.50A 15.10B/13.00 14.30B/10.10 13.50B/11.60 12.70B/11.40 12.00B/10.80 10.70B/ 10.20B/7.70 9.60B/7.70 9.10/7.10 8.60B/7.40 8.10B/6.80 6.70B/5.50 7.30B/7.20 6.90B/6.80 6.50B/5.20 6.20B/5.10 5.50B/4.80 5.30B/4.70 4.70/4.70 4.50/3.90 4.20B/3.50 5.50B/4.80 5.30B/4.70 4.70/4.70 4.50/3.90 4.20B/3.50 5.50B/4.80 5.30B/4.70 4.70/4.70 4.50/3.90 4.20B/3.50 5.50B/6.80 6.20B/5.10 5.90/3.50 5.50B/6.80 6.20B/5.10 5.90/3.50 5.50B/6.80 6.20B/5.10 5.90/3.50 5.50B/4.80 5.30B/4.70 4.70/4.70 4.50/3.90 4.20B/3.50 4.00B/ 3.60B/ 3.60B/ 3.60B/ 3.60B/ 3.60B/ 3.20B/	47.40B/31.50A 44.90B/29.60A 44.90B/29.60A 44.90B/26.10A 38.10B/24.50A 36.00B/21.70A 32.10B/21.70A 32.10B/21.80A 27.00B/16.70A 25.50B/15.80A 24.10B/14.70A 22.70B/17.80A 27.00B/16.70A 22.70B/13.30A 29.10B/11.60A 38.20/10.80A 17.00B/16.950A 15.10B/9.50A 15.10B/9.00A 14.30B/9.50A 15.10B/9.00A 14.30B/8.50A 13.50B/8.00A 12.70B/7.50A 12.00B/7.10A 10.70B/6.30A 10.20B/6.30A 10.20B/6.00A 9.60B/5.60A 9.10/5.30A 8.60B/5.00A 8.60B/5.00A 8.60B/5.00A 8.60B/5.00A 8.50B/3.30A 6.20B/3.30A 6.20B/3.30A 6.20B/3.30A 6.20B/3.30A 6.20B/3.60A 6.30B/3.50C 6.30B/3.50		42.80 + 11.00 40.50 + 10.60 38.20 + 10.10 36.10 + 9.70 34.10 + 9.40 32.20 + 9.00 30.40 + 8.60 28.60 + 8.20 27.00 + 7.80 25.40 + 7.40 24.00 + 7.10 22.60 + 6.80 21.30 + 6.50 20.00 + 6.10 18.80 + 5.70 17.70 + 5.40 16.70 + 5.20 15.70 + 4.90 13.90 + 4.30 13.10 + 4.10 12.30 + 3.80 11.60 + 3.60 10.30 + 3.20 9.70 + 3.00 9.10 + 2.50 7.70 + 2.20 6.80 + 2.70 8.10 + 2.50 7.70 + 2.40 7.20 + 2.50 7.70 + 1.10 3.40 + 1.30 3.50 + 1.30 3.50 + 1.30 3.70 + 1.40 4.30 + 1.30 3.70 + 1.40 4.30 + 1.30 3.70 + 1.40 4.30 + 1.30 3.70 + 1.10 3.20 + 1.00 3.10 + 1.00 3.20 + 1.00 3.10 + 1.00 3.20 + 0.00 2.20 + 0.00 2.20 + 0.00 2.20 + 0.00 2.10 + 0.80 2.20 + 0.70 2.20 + 0.70 2.20 + 0.60 1.70 + 0.80 2.50 + 0.80 2.50 + 0.80 2.50 + 0.80 2.50 + 0.80 2.50 + 0.80 2.50 + 0.80 2.10 + 0.60 1.70 + 0.50 1.70 + 0.50 1.70 + 0.50 1.70 + 0.50 1.70 + 0.50 1.70 + 0.50 1.70 + 0.50 1.70 + 0.50 1.70 + 0.50 1.70 + 0.50 1.70 + 0.50 1.70 + 0.50 1.70 + 0.50 1.70 + 0.50 1.70 + 0.30 0.60 + 0.30	.5364 .5162 .4960 .4762 .4960 .4762 .4960 .4762 .4960 .3829 .3654 .3489 .3327 .3170 .3010 .2869 .2466 .2466 .2596 .2466 .1900 .1710 .1800 .1710 .1800 .1710 .1800 .1710 .1813 .1435 .1379 .1313 .1435 .1379 .1313 .1435 .0789 .0754 .0789 .0754 .0789 .0754 .0789			188 133 288 9 104 477 2622	260	660 - 4 543 + 6 1697 + 2 542 UNCH 412 + 655 1528 + 35 244 UNCH 6906 - 134 209 UNCH 244 UNCH 248 - 4 17098 - 500 247 + 99 1075 - 2 7050 - 2429 390 + 2 91 + 16 288 + 10 624 + 7 1972 + 46 233 UNCH 233 UNCH 5898 + 3711 771 + 6 199 - 6 174 + 1 409 + 3 773 - 81 1374 - 4 620 UNCH 5898 + 3711 771 + 6 199 - 6 174 + 1 409 + 3 773 - 81 138 UNCH 781 + 6 174 + 1 138 UNCH 781 + 1 138 UNCH 782 UNCH 1731 - 1 138 UNCH 1731 - 1 11 127 - 1 43 UNCH 1731 - 1 11 127 - 1 43 UNCH 1731 - 1 11 127 - 1 43 UNCH 1731 - 1 11 127 - 1 43 UNCH 1731 - 1 11 127 - 1 43 UNCH 1731 - 1 11 127 - 1 43 UNCH 1731 - 1 11 127 - 1 43 UNCH 1731 - 1 11 127 - 1 43 UNCH 1731 - 1 11 127 - 1 43 UNCH 1731 - 1 11 127 - 1 43 UNCH 1731 - 1 11 127 - 1 43 UNCH 1731 - 1 11 127 - 1 43 UNCH 1731 - 1 11 127 - 1 43 UNCH 1731 - 1 11 127 - 1 43 UNCH 1731 - 1 11 127 - 1 43 UNCH 1731 - 1 11 127 - 1 43 UNCH 1731 - 1 11 127 - 1 43 UNCH 1731 - 1 11 127 - 1 143 UNCH 1731 - 1 11 127 - 1 143 UNCH 1731 - 1 11 127 - 1 143 UNCH 1731 - 1 11 127 - 1 143 UNCH 1731 - 1 11 127 - 1 143 UNCH 1731 - 1 11 127 - 1 143 UNCH 174 UNCH 175 UNCH 1
MAR24 1650 1725 1750 1755 1760 1775 1785 1790 1800 1825 1830 1825 1830 1825 1830 1825 1830 1825 1845 1850 1870 1875 1880 1895 1905 19120 1925 1935 19445 1955 1940 1955 1960 1970 1975 1980 1985	118.40 		398.20B/ 322.40B/ 298.20B/ 298.20B/ 292.40B/ 287.40B/ 287.40B/ 287.40B/ 273.90B/ 257.70B/ 252.60B/ 242.70B/ 242.70B/ 232.90B/ 242.70B/ 242.70B/ 218.30B/ 213.50B/ 213.50B/ 213.50B/ 110.60B/ 149.70B/ 154.20B/ 171.10B/ 166.50B/ 171.10B/ 166.50B/ 171.10B/ 166.50B/ 171.0B/ 154.20B/ 171.0B/ 154.20B/ 171.0B/ 154.20B/ 171.0B/ 154.20B/ 172.00B/ 173.30B/ 174.00B/ 175.90B/ 176.90B/ 177.00B/ 177.00B/ 178.10B/ 179.90B/118.40	398. 208/370. 20A 322. 408/266. 00A 298. 208/270. 30A 292. 408/266. 00A 287. 408/266. 00A 287. 408/266. 10A 287. 408/266. 10A 277. 408/251. 10A 273. 908/245. 50A 262. 608/236. 30A 257. 708/231. 40A 257. 708/231. 40A 252. 608/226. 50A 249. 108/220. 90A 242. 708/216. 80A 232. 908/207. 10A 228. 008/202. 20A 224. 708/196. 80A 233. 508/18. 60A 203. 908/173. 10A 194. 308/169. 20A 180. 208/155. 40A 177. 108/145. 60A 166. 508/141. 20A 177. 108/150. 10A 177. 108/150. 10A 178. 108/169. 20A 179. 008/150. 10A 171. 108/145. 60A 166. 508/141. 20A 167. 308/119. 80A 158. 708/132. 50A 154. 208/128. 20A 149. 708/123. 90A 145. 308/11. 60A 132. 308/17. 60A 132. 308/17. 60A 132. 308/17. 60A 132. 308/17. 80A 39. 808/95. 10A 104. 308/82. 00A 104. 308/82. 00A 104. 308/82. 00A 96. 908/75. 40A 98. 808/68. 70A 86. 408/65. 80A		391.00 + 21.40 316.00 + 21.40 291.00 + 21.40 281.00 + 21.40 281.00 + 21.30 276.00 + 21.30 271.00 + 21.30 276.00 + 21.30 276.20 + 21.30 256.20 + 21.30 256.20 + 21.20 241.40 + 21.10 226.70 + 21.00 221.80 + 20.90 217.00 + 20.90 2188.30 + 20.50 183.60 + 20.40 174.20 + 20.20 189.60 + 20.10 165.00 + 19.90 160.50 + 19.90 160.50 + 19.80 156.00 + 19.70 151.50 + 19.30 142.70 + 19.30 142.70 + 19.30 142.70 + 19.30 142.70 + 19.30 147.00 + 19.30 147.00 + 19.30 147.00 + 19.30 147.00 + 19.30 147.00 + 19.30 147.00 + 19.30 149.40 + 16.60 199.50 + 17.40 105.60 + 17.40 105.60 + 17.40 105.60 + 17.50 98.10 + 16.40 94.40 + 16.10 99.90 + 15.80 87.40 + 15.10 80.80 + 14.80	.9966 .9893 .9850 .9848 .9830 .98512 .9809 .9751 .9718 .9700 .9681 .9630 .9610 .9577 .9545 .9410 .9364 .9318 .9224 .9165 .9410 .9364 .9318 .8027 .8047 .8947 .8947 .8947 .8947 .8947 .8757 .8947 .8757 .7859 .7757	17				1 UNCH 6 UNCH 1 - 17 3 - UNCH 1 UNCH 2 UNCH 8 UNCH 8 UNCH 1 UNCH 2 UNCH 1 UNCH 2 UNCH 4 UNCH 1 UNCH 2 UNCH 2 UNCH 1 UNCH 2 UNCH 2 UNCH 2 UNCH 1 UNCH 2 UNCH 2 UNCH 1 UNCH 2 UNCH 2 UNCH 1 UNCH 2 UNCH 2 UNCH 2 UNCH 1 UNCH 2 UNCH 2 UNCH 2 UNCH 3 UNCH 2 UNCH 2 UNCH 4 UNCH 2 UNCH 2 UNCH 3 UNCH 2 UNCH 3 UNCH 4 UNCH 5 UNCH 5 UNCH 1 UNCH 2 UNCH 2 UNCH 1 UNCH 2 UNCH 2 UNCH 2 UNCH 3 UNCH 2 UNCH 2 UNCH 3 UNCH 1 UNCH 2 UNCH 3 UNCH 4 UNCH 2 UNCH 3 UNCH 4 UNCH 4 UNCH 4 UNCH 1 UNCH 2 UNCH 4 UNCH 2 UNCH 2 UNCH

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PG64	BULLET	IN #225@					Tue,	Nov 21	, 2023 PG64			
	GLOBEX OPEN	OPEN OUTCRY OPEN RANGE	GLOBEX HIGH/LOW	OPEN OUTCRY HIGH/LOW	OPEN OUTCRY CLOSE RANGE	SETT.PRICE & PT.CHGE.	DELTA	EXER CISES	OPEN OUTCRY VOLUME	GLOBEX® VOLUME	PNT VOLUME	OPEN INTEREST
OG CAI MAR24 11990 2005 2010 2005 2010 2015 2020 2020 202	82.60 72.40 52.60 53.50 43.00 50.30 48.00 32.30 30.80 26.00 28.00 24.90 22.70 19.30 15.00 18.50 13.60 15.00 15.00 15.00 15.00 15.50 10.50 10.90 5.50 5.30 5.50 5.30	COMEX GOLD OPT: 82.60 72.40 52.60 53.50 43.00 50.30 48.00 32.30 34.90 30.80 26.00 28.00 27.90 22.70 19.30 22.70 19.30 18.50 13.60 15.00 10.50 10.90 12.50 10.90 9.00 9.10 9.50 8.20 8.10 5.50 5.30 4.60 5.50 5.30 4.60 2.20 2.20 2.50 2.20 2.50 2.10 1.70 2.20 2.20 2.50 2.10 1.70 2.20 2.50 2.10 1.70 2.10 1.70 2.10 1.70 2.10 1.70 2.10 1.70 2.10 1.70	83.10B/62.90A 79.80B/60.20A 76.70B/57.50A 77.80B/57.50A 73.70B/55.00A 70.70B/55.50A 67.80B/50.010A 67.80B/50.010A 65.00B/47.80A 62.40B/45.70A 52.60B/50.30 50.50B/36.10A 48.40B/34.30A 46.30B/32.70A 44.30B/31.30A 42.40B/32.70A 43.80B/27.00A 37.20B/ 38.80B/27.00A 37.20B/ 35.60B/ 34.00B/30.80 31.10B/21.40A 28.50B/26.80 27.30B/24.90 26.10B/22.70 25.00B/36.10A 28.50B/26.80 27.30B/24.90 26.10B/22.70 25.00B/19.30 27.30B/ 21.00B/16.00 20.10B/ 11.50B/ 11.50B/ 15.50B/15.00 14.90B/ 15.50B/ 15.50B/15.00	83.10B/62.90A 79.80B/60.20A 76.70B/57.50A 76.70B/55.00A 70.70B/55.50A 70.70B/55.50A 67.80B/50.10A 65.00B/47.80A 62.40B/45.70A 65.980B/43.50A 57.30B/41.50A 57.30B/41.50A 58.60B/39.70A 52.60B/39.70A 52.60B/31.30A 44.30B/31.30A 44.30B/31.30A 44.30B/31.30A 44.30B/31.30A 42.40B/29.90A 43.60B/24.70A 38.80B/27.00A 37.20B/25.90A 35.60B/24.70A 34.00B/23.60A 32.60B/23.50A 34.00B/23.60A 32.60B/23.50A 31.10B/21.40A 28.50B/19.50A 27.30B/18.60A 26.10B/17.80A 25.00B/17.00A 28.50B/19.50A 27.30B/18.60A 26.10B/17.80A 25.00B/17.30A 21.90B/13.50A 21.50B/80/9.90A 14.30B/9.90A 14.30B/9.90A 14.30B/9.90A 14.30B/9.90A 14.30B/9.10A 15.50B/10.80A 16.00B/7.10A 10.20B/6.80A 11.10B/4.70A 10.60B/7.10A 10.20B/6.80A 11.00B/1.10A 13.00B/8.20A 1.00B/8.30A 1.00B/1.10A 1.00B/8.30A 1.00B/1.10A 1.00B/8.30A 1.00B/1.10A 1.00B/8.30A 1.00B/1.10A 1.00B/8.30A 1.00B/1.10A 1.00B/8.30A 1.00B/1.10A 1.30B/1.10A		77.60 + 14.50 74.50 + 13.10 71.50 + 13.80 68.60 + 13.50 65.80 + 13.10 63.00 + 12.70 60.40 + 12.40 57.80 + 12.00 55.30 + 11.60 52.90 + 11.20 50.60 + 10.80 48.40 + 10.10 44.30 + 9.80 40.50 + 9.10 38.70 + 8.50 35.40 + 8.20 33.80 + 7.60 30.90 + 7.30 29.60 + 7.10 28.30 + 6.50 25.90 + 6.40 24.70 + 6.10 23.60 + 5.40 24.70 + 6.10 23.60 + 5.40 24.70 + 6.10 23.60 + 5.40 21.60 + 5.40 21.60 + 5.40 21.60 + 5.40 21.60 + 5.40 21.60 + 5.40 21.70 + 3.30 11.20 + 4.30 11.30 + 4.50 15.80 + 4.10 15.10 + 3.90 11.70 + 3.30 12.20 + 3.20 11.70 + 3.30 12.20 + 3.20 11.70 + 3.30 12.70 + 1.90 7.70 + 1.90 7.70 + 1.90 7.70 + 1.90 7.70 + 1.90 7.70 + 1.90 7.70 + 1.90 7.10 + 1.80 6.80 + 1.70 6.30 + 1.70 6.30 + 1.50 5.90 + 1.50	.6731 .6575 .6420 .61261 .5103 .5782 .5461 .3301 .4828 .4874 .4828 .4874 .4984 .4984 .33673 .3247 .2343 .2247 .2343 .2247 .2349 .2345 .2171 .2086 .1928 .1253 .2171 .2171 .2085 .11718 .1650 .1589 .1411 .1311 .0323 .0325 .03			2 2 3 3 4 4 5 1 200 1 262 1 1 1 262 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	50	S74
APR24 1700 1745 1750 1800 1810 1825 1850 1865 1875 1880 1990 1995 1990 1955 1975 1980 1985 1990 1985 1990 1985 2000 2015 2020 2025	114.30 96.70 66.20	114.30 	347.908/ 302.208/ 298.908/ 274.208/ 249.908/ 238.408/ 238.408/ 238.408/ 191.508/ 179.608/ 175.108/ 175.108/ 175.108/ 175.108/ 175.108/ 175.108/ 175.108/ 175.108/ 136.908/ 136.908/ 136.908/ 136.908/ 136.908/ 136.908/ 136.908/ 136.908/ 136.908/ 136.908/ 136.908/ 137.508/114.30 113.908/ 110.308/ 110.308/ 110.308/ 103.308/82.20A 99.908/79.20A 96.70/76.30A 93.408/73.40A 90.308/70.70A 84.208/65.50A 81.308/63.00A 75.708/58.30A 73.008/56.30A 73.008/56.30A	347. 908/321. 00A 302. 208/277. 10A 298. 908/270. 60A 274. 208/246. 20A 249. 908/222. 10A 238. 408/214. 00A 225. 908/198. 50A 202. 408/175. 60A 191. 508/166. 60A 175. 108/149. 20A 175. 108/192. 20A 113. 908/21. 10A 113. 908/92. 10A 113. 908/92. 10A 113. 908/92. 10A 110. 308/88. 80A 106. 708/85. 70A 103. 308/82. 20A 99. 908/79. 20A 99. 70/76. 30A 99. 34. 408/63. 50A 84. 208/65. 50A 81. 308/63. 00A 84. 208/65. 50A 81. 308/63. 00A 75. 708/58. 30A 73. 008/56. 00A		341.00 + 21.40 296.10 + 21.30 291.10 + 21.20 266.50 + 21.10 242.20 + 20.80 232.60 + 20.70 218.40 + 20.60 195.10 + 20.20 185.90 + 19.90 181.40 + 19.80 172.50 + 19.60 168.10 + 19.40 163.70 + 19.20 159.40 + 19.10 150.90 + 18.80 138.50 + 18.20 130.50 + 17.60 111.60 + 16.50 108.00 + 16.20 104.50 + 16.00 101.00 + 15.60 97.70 + 15.40 94.40 + 15.10 91.20 + 14.80 88.10 + 14.50 88.10 + 14.50 88.00 + 13.80 79.20 + 13.80 79.20 + 13.80 79.20 + 13.80 71.60 + 12.80 73.60 + 12.80 73.60 + 12.80 73.60 + 12.80 73.60 + 12.80 73.60 + 12.80 73.60 + 12.80 68.40 + 12.20 65.90 + 11.90	. 9869 . 9767 . 9751 . 9659 . 9473 . 9353 . 9375 . 9054 . 8894 . 8894 . 8894 . 8864 . 8564 . 7532 . 7414 . 7532 . 7414 . 7532 . 7414 . 6619 . 6626 . 6526 . 6326 . 6326			1		0 UNCH 2 UNCH 54 UNCH 55 UNCH 40 UNCH 11 UNCH 13 UNCH 13 UNCH 15 UNCH 165 UNCH 136 UNCH 165 UNCH 165 UNCH 165 UNCH 165 UNCH 17 UNCH 1804 UNCH 1805 UNCH 1806 UNCH 1806 UNCH 1807 UNCH 1808 UNCH

METALS OPTIONS PRODUCTS

Side 19







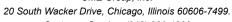
20 South Wacker Drive, Chicago, Illinois 60606-7499.
Customer Service: (312) 930-1000

PG64 BULLETIN #225@			METALS OPTION	PRODUCTS				Tue,	Nov 21	, 2023 PG64
GLOBEX OPEN OUTCRY OPEN OPEN RANGE	GLOBEX HIGH/LOW	OPEN OUTCRY HIGH/LOW	OPEN OUTCRY CLOSE RANGE	SETT.PRICE & PT.CHGE.	DELTA	EXER CISES	OPEN OUTCRY VOLUME	GLOBEX [®] VOLUME	PNT VOLUME	OPEN INTEREST
GLOBEX OPEN OUTCRY OPEN RANGE OG CALL APR24 2030 2035 2040 2045 2050 2050 2065 48.40 48.40 2070 2075 2080 2085 38.80 38.80 2095 2110 33.50 33.50 2100 2110 33.50 33.50 2100 21110 32.90 32.90 2120 32.30 32.30 2125 31.30 31.30 2130 21310 2140 2150 24.70 24.70 2155 23.70 23.70 2160 2175 20.50 20.50 2180 2175 20.50 20.50 2180 2175 20.50 20.50 2185 19.70 19.70 2195 2109 15.70 15.70 2195 2210 2210 2210 2210 2210 2210 2210 2210 2220 17.10 17.10 2205 2220 13.70 13.70 2235 2220 22210 22250 13.70 13.70 2235 2220 2225 12.30 12.30 2255 2220 2225 12.30 12.30 2255 2220 2225 12.30 12.30 2255 2220 2225 12.30 12.30 2255 2220 2225 2220 2225 12.30 12.30 2255 2220 2225 2220 2225 12.30 12.30 2255 2220 2225 2220 2225 2230 8.70 8.70 2335 2330 2330 2330 23335 23330 23335 23340 23336	HIGH/LOW TIONS 67. 908/51.80A 65. 508/49.80A 63. 008/47.90A 60. 908/46.00A 58. 708/44.20A 56. 408/42.50A 56. 508/49.80A 52. 508/39.20A 56. 608/ 48. 708/36.20A 46. 908/ 45. 208/38.80 43. 608/ 40. 508/33.50 39. 008/ 37. 508/ 36. 208/32.90 34. 908/32.30 33. 608/31.30 32. 408/ 31. 208/ 30. 108/ 27. 908/24.70 26. 908/23.70 25. 908/ 24. 908/ 24. 908/ 24. 908/ 21. 608/19.70 20. 808/15.70 20. 108/ 11. 508/ 18. 008/12. 80A 17. 408/ 18. 008/12. 80A 17. 408/ 11. 508/	OPEN OUTCRY HIGH/LOW 67.90B/51.80A 65.50B/49.80A 65.50B/49.80A 63.00B/47.90A 60.90B/46.00A 58.70B/44.20A 56.40B/42.50A 54.50B/39.20A 50.60B/37.70A 48.70B/36.20A 48.70B/36.20A 46.90B/34.80A 45.20B/33.50A 44.90B/31.00A 40.50B/22.20A 42.00B/31.00A 40.50B/23.50A 39.00B/28.60A 37.50B/27.50A 36.20B/26.50A 34.90B/23.60A 37.50B/27.50A 36.20B/26.50A 34.90B/28.60A 37.50B/27.30A 32.40B/23.60A 31.20B/26.50A 32.40B/23.60A 31.20B/26.50A 32.40B/23.60A 31.20B/21.80A 27.90B/20.20A 26.90B/19.40A 25.90B/18.70A 24.90B/18.70A 25.90B/18.70A 26.90B/19.40A 27.00B/11.50A 27.00B/11.10A 27.00B/11.10A 27.00B/11.70A	OPEN OUTCRY CLOSE RANGE	SETT.PRICE & PT.CHGE. 63.50 + 11.60 61.20 + 11.30 58.90 + 10.70 54.70 + 10.40 52.60 + 10.00 50.70 + 9.80 48.80 + 9.50 47.00 + 9.30 45.30 + 9.00 43.60 + 8.80 42.00 + 8.50 47.00 + 8.20 38.90 + 8.00 37.50 + 7.80 36.10 + 7.50 34.80 + 7.30 33.50 + 7.10 32.20 + 6.80 31.10 + 6.70 29.90 + 6.40 28.80 + 6.20 27.80 + 6.10 25.80 + 5.70 24.80 + 5.50 23.90 + 5.30 23.00 + 5.10 22.20 + 4.90 21.40 + 4.80 20.60 + 4.60 19.90 + 4.50 19.20 + 4.30 18.50 + 4.20 17.80 + 4.00 17.20 + 3.90 16.60 + 3.70 16.00 + 3.40 14.40 + 3.30 13.90 + 3.10 13.40 + 3.00 13.00 + 3.40 14.40 + 3.30 13.90 + 3.10 13.40 + 3.00 13.50 + 2.60 10.90 + 2.50 11.70 + 2.70 11.70 + 2.70 11.70 + 2.70 11.70 + 2.20 9.90 + 2.20 9.00 + 2.20 9.00 + 2.20 9.00 + 2.20 9.00 + 2.20 9.00 + 2.20 9.00 + 2.10 8.70 + 2.00 8.40 + 1.90 7.90 + 1.80 7.90 + 1.80 7.90 + 1.80 7.90 + 1.80 7.90 + 1.70 7.20 + 1.70 7.20 + 1.70 7.20 + 1.70 7.20 + 1.70 7.20 + 1.70 7.20 + 1.70 7.20 + 1.70 7.20 + 1.70 7.20 + 1.70 7.20 + 1.70 7.20 + 1.70 7.20 + 1.70 7.20 + 1.70 7.20 + 1.70	.5429 .5291 .5154 .5019 .4884 .4751 .4621 .4365 .4241 .4118 .3989 .3765 .3654 .3433 .3228 .3228 .3331 .3332 .2238 .2328 .2338 .2249 .2672 .2348 .2273 .2199 .2131 .2199 .2199 .2131 .2199 .2131 .2199 .2199 .2131 .2199	CISES	OUTCRY VOLUME	GLOBEX® VOLUME 2 8 8 1 1 2 7 1 1 7 6 1 1 4 14 6 12 10 11 40 12 12 10 11 40	PNT VOLUME	0PEN INTEREST 1057 UNCH 177 UNCH 157 UNCH 155 UNCH 157 U
	7.50B/ 7.00B/ 6.60B/ 6.60B/ 5.80B/ 5.80B/ 5.20B/ 4.90B/ 4.50B/ 4.50B/ 3.90B/3.60 3.50B/ 2.50B/ 2.30B/ 2.10B/ 2.10B/ 0.50B/ 0.40B/ 0.40B/ 0.30B/	7.508/5.40A 7.008/5.10A 6.608/4.80A 6.008/4.40A 5.808/4.30A 5.508/4.00A 5.208/3.80A 4.908/3.60A 4.608/3.50A 4.508/3.40A 4.508/3.30A 3.908/3.00A 3.508/2.70A 3.10/2.40 2.808/2.20A 2.508/2.00A 2.308/1.80A 2.108/1.60A 1.50/1.10 0.608/0.60A 0.408/0.50A 0.408/0.50A 0.408/0.60A 0.408/0.60A 0.308/0.50A 0.308/0.50A 0.308/0.50A		6.90 + 1.50 6.50 + 1.40 6.20 + 1.40 5.60 + 1.20 5.50 + 1.30 5.20 + 1.20 4.90 + 1.10 4.60 + 1.00 4.10 + 0.90 3.70 + 0.80 3.30 + 0.70 2.70 + 0.70 2.70 + 0.70 2.20 + 0.60 2.20 + 0.60 2.20 + 0.60 2.20 + 0.60 2.00 + 0.60 1.80 + 0.50 1.40 + 0.40 0.70 + 0.30 0.50 + 0.20 0.50 + 0.20 0.40 + 0.20 0.40 + 0.20 0.40 + 0.20 0.40 + 0.20	.0794 .0748 .0712 .0646 .0633 .0596 .0506 .0494 .0427 .0378 .0304 .0245 .0221 .0221 .0150 .0055 .0055 .0055			2 137 18 17		5 UNCH 3111 UNCH 31 UNCH 31 UNCH 30 UNCH 15 UNCH 1022 UNCH 4 UNCH 5 UNCH 146 + 4 1011 UNCH 2644 UNCH 124 UNCH 124 UNCH 124 UNCH 124 UNCH 124 UNCH 125 UNCH 146 + 1 1 UNCH 17 UNCH 1863 - 19 17 UNCH 1863 - 19 17 UNCH 1863 - 11 1864 - 17 1872 UNCH 1872 UNCH 1872 UNCH 1873 UNCH 1874 UNCH 1875 UNCH 18
TOTAL MAY24 1700 1725 1750 1800 1800 18130 18180 18180 1920 1915 1920 1930 1940 1950 1950 1955 1965 1965 1965 1970 1980 1980 1980 1990 1990 1990 1990 1990 1900 102.30 102.30 2005 2010 2015 2025 2030 2031 2040 2055 2050 2055 2060 2070 2070 2070 2070 2080 2090 2090 2095 2090 2095 2110 2110 2115 49.00 49.00 2115 49.00 49.00 2115 49.00 49.00	367.50B/ 343.60B/ 318.80B/ 294.20B/ 270.10B/ 246.30B/ 246.30B/ 239.50B/ 239.50B/ 166.00B/ 166.10B/ 162.00B/ 154.10B/ 144.30B/ 131.10B/ 131.80B/92.70A 107.30B/86.90A 107.30B/86.90A 107.30B/86.90A 107.30B/86.90A 107.30B/86.90A 107.30B/86.90A 108.10B/76.10A 92.30B/77.20A 86.70B/68.90A 81.50B/71.20A 86.70B/68.90A 81.10B/66.60A 81.50B/61.30A 77.90B/56.30A 67.40B/52.60A 63.30B/49.20A 63.30B/49.20A 63.30B/49.20A 65.50B/41.60A 55.50B/44.50A 55.80B/43.00A 54.00B/41.60A 55.80B/43.00A 54.00B/41.60A 55.80B/43.00A 54.00B/41.60A 55.80B/43.00A 54.00B/41.60A 55.80B/43.00A	367 . 50B/341 . 60A 343 . 60B/315 . 20A 318 . 80B/290 . 60A 294 . 20B/266 . 40A 270 . 10B/242 . 50A 246 . 30B/219 . 10A 239 . 50B/216 . 00A 240 . 00B/170 . 20A 178 . 70B/153 . 70A 166 . 10B/141 . 70A 162 . 00B/137 . 90A 164 . 10B/130 . 30A 154 . 10B/130 . 30A 154 . 10B/130 . 30A 142 . 30B/112 . 60A 131 . 10B/109 . 20A 127 . 50B/105 . 90A 131 . 10B/109 . 20A 127 . 50B/105 . 90A 124 . 00B/102 . 70A 117 . 10B/96 . 50A 113 . 80B/92 . 70A 110 . 50B/86 . 90A 110 . 50B/86 . 90A 104 . 10B/84 . 10A 101 . 10B/81 . 40A 98 . 10B/78 . 70A 98 . 10B/78 . 70A 99 . 50B/11 . 20A 86 . 70B/68 . 90A 40 . 10B/66 . 60A 81 . 50B/64 . 40A 79 . 00B/62 . 30A 74 . 20B/58 . 30A 74 . 20B/58 . 30A 74 . 20B/58 . 30A 74 . 90B/56 . 30A 67 . 40B/52 . 60A 65 . 30B/50 . 90A 61 . 30B/47 . 60A 65 . 30B/40 . 30A 54 . 00B/41 . 60A 57 . 50B/44 . 50A 58 . 80B/43 . 00A 54 . 00B/41 . 60A 52 . 30B/43 . 90A 49 . 10B/37 . 70A		360.90 + 21.50 335.90 + 21.40 311.20 + 21.30 286.70 + 21.10 262.60 + 20.90 239.00 + 20.50 234.40 + 20.50 216.00 + 20.20 189.30 + 19.50 172.20 + 19.50 155.80 + 18.50 155.80 + 18.50 155.80 + 18.60 140.20 + 17.60 136.40 + 17.30 147.90 + 16.60 136.40 + 17.30 147.90 + 16.60 131.70 + 17.10 129.00 + 16.60 131.70 + 17.50 125.40 + 16.60 121.90 + 16.40 111.70 + 15.60 108.40 + 15.30 105.20 + 15.00 102.10 + 14.80 99.00 + 14.50 99.00 + 14.50 96.00 + 13.60 87.50 + 13.40 84.80 + 13.10 82.10 + 12.70 79.60 + 12.50 77.10 + 12.50 77.00 + 9.50 54.10 + 9.30 52.40 + 9.00 50.70 + 8.80 49.10 + 8.50 47.50 + 8.30 46.00 + 8.00	.98111 .9753 .9672 .9579 .9446 .9282 .9247 .9074 .8490 .8266 .8187 .7450 .7358 .7450 .7358 .7450 .7358 .6318 .6618 .6618 .6618 .6705 .6618 .6589 .6474 .6357 .6238 .6300 .5881 .5761 .5642 .522 .5402			861	100	5 UNCH 12 UNCH 135 + 3 7 UNCH 14 UNCH 15 UNCH 11 UNCH 11 UNCH 11 UNCH 11 UNCH 12 UNCH 12 UNCH 14 UNCH 15 UNCH 16 UNCH 17 UNCH 18 UNCH 18 UNCH 19 UNCH 10 UNCH 11 UNCH 11 UNCH 11 UNCH 11 UNCH 125 UNCH 11 UNCH 125 UNCH 11 UNCH 125 UNCH 11 UNCH 127 UNCH 128 UNCH 11 UNCH 129 UNCH 120 UNCH 13 UNCH 14 UNCH 15 UNCH 16 UNCH 17 UNCH 17 UNCH 18 UNCH 19 UNCH 19 UNCH 11 UNCH 11 UNCH 1233 - 16 14 UNCH 1253 - 13 10 UNCH 148 UNCH 15 UNCH 161 UNCH 17 T

METALS OPTIONS PRODUCTS

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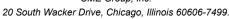


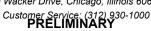
PG6	4 BULLET	IN #225@		METALS OPTION PRODUCTS OPEN OUTCRY OPEN OUTCRY SETT PRICE					Tue,	Nov 21	, 2023 PG64	
	GLOBEX OPEN	OPEN OUTCRY OPEN RANGE	GLOBEX HIGH/LOW	OPEN OUTCRY HIGH/LOW	OPEN OUTCRY CLOSE RANGE	SETT.PRICE & PT.CHGE.	DELTA	EXER CISES	OPEN OUTCRY VOLUME	GLOBEX® VOLUME	PNT VOLUME	OPEN INTEREST
OG C MAY2	4	COMEX GOLD OP										
2125 2130 2135)	45.20 	47.40B/36.40A 46.10B/35.30A 44.60B/34.10A	47.40B/36.40A 46.10B/35.30A 44.60B/34.10A		44.60 + 7.90 43.20 + 7.70 41.80 + 7.40	.3755 .3659 .3564			 		10 + 5 1 UNCH 1 UNCH
2140 2145) ;		43.30B/33.00A 41.90B/32.00A	43.30B/33.00A 41.90B/32.00A		40.50 + 7.20 39.30 + 7.10	.3472 .3384					15 UNCH 11 UNCH
2150 2155 2160		37.90 	40.60B/30.90A 39.30B/30.00A 38.20B/29.00A	40.60B/30.90A 39.30B/30.00A 38.20B/29.00A		38.00 + 6.90 36.80 + 6.70 35.70 + 6.50	.3294 .3207 .3125			5 		92 + 2 4 UNCH 400 UNCH
2165 2170	34.90	34.90	36.90B/28.10A 35.80B/27.20A	36.90B/28.10A 35.80B/27.20A		34.60 + 6.40 33.50 + 6.20	.3043 .2962			3		7 + 3 106 UNCH
2175 2180 2185)	 32.30	34.70B/26.40A 33.70B/25.50A 32.60B/24.70A	34.70B/26.40A 33.70B/25.50A 32.60B/24.70A		32.50 + 6.00 31.50 + 5.90 30.50 + 5.70	.2884 .2808 .2732			 18		400 UNCH 12 UNCH 19 + 14
2190 2200)		31.60B/ 29.80B/22.50A	31.60B/24.00A 29.80B/22.50A		29.60 + 5.60 27.80 + 5.20	.2661 .2520					23 UNCH 924 UNCH
2205 2210 2215)		28.90B/21.80A 28.00B/ 27.20B/	28.90B/21.80A 28.00B/21.20A 27.20B/20.50A		27.00 + 5.10 26.20 + 5.00 25.40 + 4.90	.2455 .2390 .2326			 1		37 UNCH 12 UNCH 10 + 1
2220 2225	24.90	24.90	26.30B/24.90 25.60B/	26.30B/19.90A 25.60B/19.30A		24.70 + 4.80 23.90 + 4.60	.2266 .2203			1		5 UNCH 17 UNCH
2230 2235 2240			24.80B/ 24.00B/ 23.30B/	24.80B/18.70A 24.00B/18.20A 23.30B/17.60A		23.20 + 4.50 22.50 + 4.40 21.90 + 4.30	.2145 .2087 .2034					11 UNCH 1 UNCH 10 UNCH
2250 2255) ;		22.00B/ 21.30B/ 20.70B/	22.00B/16.60A 21.30B/16.10A		20.60 + 4.10 $20.00 + 4.00$ $19.40 + 3.80$.1926 .1875 .1824					87 UNCH 1 UNCH 20 UNCH
2260 2265 2270			20.10B/ 19.50B/	20.70B/15.70A 20.10B/15.20A 19.50B/14.80A		18.80 + 3.70 $18.30 + 3.60$.1774 .1729					10 UNCH 3 UNCH
2275 2280	;)		19.00B/ 18.40B/ 17.90B/	19.00B/14.30A 18.40B/13.90A 17.90B/13.50A		17.80 + 3.60 17.30 + 3.50 16.80 + 3.40	.1684 .1640 .1597					3 UNCH 46 UNCH 7 UNCH
2285 2290 2295)		17.40B/ 16.90B/	17.40B/13.10A 16.90B/12.70A		16.30 + 3.30 15.80 + 3.20	.1554 .1511					13 UNCH 6 UNCH
2300 2310 2315)		16.40B/ 15.50B/ 15.10B/	16.40B/12.40A 15.50B/11.80A 15.10B/11.40A		$\begin{array}{r} 15.40 + 3.10 \\ 14.50 + 2.90 \\ 14.10 + 2.80 \end{array}$.1473 .1395 .1358					460 UNCH 3 UNCH 3 UNCH
2325 2330	;)		14.20B/ 13.80B/	14.20B/10.80A 13.80B/10.50A		13.40 + 2.70 $13.00 + 2.60$.1293 .1257					9 UNCH 3 UNCH
2335 2340 2345)		13.50B/ 13.10B/ 12.70B/	13.50B/10.20A 13.10B/10.00A 12.70B/9.70A		12.70 + 2.60 12.30 + 2.50 12.00 + 2.40	.1228 .1193 .1164					5 UNCH 4 UNCH 8 UNCH
2350 2355			12.40B/ 12.10B/	12.40B/9.40A 12.10B/9.20A		11.70 + 2.40 $11.40 + 2.30$.1136 .1108					94 UNCH 2 UNCH
2360 2370 2375)		11.70B/ 11.10B/ 10.80B/	11.70B/9.00A 11.10B/8.50A 10.80B/8.30A		$\begin{array}{r} 11.10 + 2.30 \\ 10.50 + 2.10 \\ 10.20 + 2.00 \end{array}$.1080 .1025 .0997					6 UNCH 3 UNCH 3 UNCH
2390 2400)		10.00B/ 9.50B/	10.00B/7.70A 9.50B/7.30A		9.40 + 1.80 9.00 + 1.80	.0923 .0882					1 UNCH 111 UNCH
2425 2450 2475)		8.30B/ 7.30B/ 6.50B/	8.30B/6.40A 7.30B/5.60A 6.50B/5.00A		7.90 + 1.50 7.00 + 1.40 6.30 + 1.30	.0778 .0691 .0620					12 UNCH 13 UNCH 25 UNCH
2500 2525	4.80 4.30	4.80 4.30	5.80B/4.80 5.10B/4.30	5.80B/4.50A 5.10B/4.10A		5.60 + 1.10 5.00 + 1.00	.0551 .0493 .0443			20 20		131 + 18 76 + 20
2550 2575 2600			4.60B/ 4.10B/ 3.70B/	4.60B/3.70A 4.10B/3.40A 3.70B/3.10A		4.50 + 0.90 4.10 + 0.80 3.70 + 0.70	.0401					118 UNCH 85 UNCH 61 UNCH
2625 2650	2.80	2.80 1.90	3.40B/ 3.10B/2.80 2.20B/1.90	3.40B/2.80A 3.10B/2.60A 2.20B/1.90		3.30 + 0.60 $3.00 + 0.60$ $2.10 + 0.40$.0323 .0293 .0202			2 2		38 UNCH 85 + 2 207 UNCH
2750 3000 TOTA	1.10	1.10	1.10/1.10	1.10/1.00A		1.10 + 0.20	.0100			1 138		602 UNCH 8244 + 47
JUN2 1700	4		368.50B/	368.50B/340.30A		360.90 + 21.40	.9725			307		307 + 296
1750 1800 1810)		319.20B/ 271.40B/ 259.70B/	319.20B/291.60A 271.40B/244.40A 259.70B/237.30A		311.80 + 21.10 264.20 + 20.60 255.00 + 20.50	.9540 .9265 .9188					30 UNCH 35 UNCH 3 UNCH
1830 1850)		241.40B/ 225.60B/	241.40B/217.20A 225.60B/199.60A		236.70 + 20.20 218.80 + 19.80	.9033 .8842					20 UNCH 433 UNCH
1860 1875 1880			216.60B/ 203.70B/ 199.40B/	216.60B/191.10A 203.70B/178.50A 199.40B/174.40A		210.10 + 19.60 197.20 + 19.20 193.00 + 19.10	.8742 .8565 .8506					1 UNCH 2 UNCH 77 UNCH
1890 1900 1910)		191.00B/ 182.70B/ 174.70B/	191.00B/166.40A 182.70B/158.50A 174.70B/150.90A		184.70 + 18.80 176.50 + 18.50 168.60 + 18.30	.8376 .8241 .8095					5 UNCH 175 UNCH 1 UNCH
1915 1920	;)		170.60B/ 166.60B/	170.60B/147.10A 166.60B/143.40A		164.70 + 18.10 160.80 + 17.90	.8020 .7941					2 UNCH 2 UNCH
1925 1930 1940)		162.90B/ 159.00B/ 151.50B/	162.90B/139.80A 159.00B/136.20A 151.50B/129.20A		157.00 + 17.70 153.20 + 17.50 145.80 + 17.10	.7861 .7781 .7610					35 UNCH 1 UNCH 2 UNCH
1950 1960)		144.20B/ 137.00B/ 130.20B/	144.20B/122.40A 137.00B/115.90A		138.60 + 16.70 131.70 + 16.30 125.00 + 15.80	.7431 .7249					291 UNCH 183 UNCH
1970 1975 1980			126.90B/ 123.60B/102.80A	130.20B/109.70A 126.90B/106.60A 123.60B/102.80A		121.70 + 15.50 118.50 + 15.30	.7056 .6959 .6860					406 UNCH 106 UNCH 2 UNCH
1985 1990 1995)		120.40B/99.90A 117.20B/97.10A 114.20B/94.30A	120.40B/99.90A 117.20B/97.10A 114.20B/94.30A		115.30 + 15.00 112.30 + 14.80 109.20 + 14.50	.6759 .6658 .6555					76 UNCH 7 UNCH 5 UNCH
2000 2005) ;		111.10B/91.60A 108.10B/89.00A	111.10B/91.60A 108.10B/89.00A		$\begin{array}{rrr} 106.30 & + 14.30 \\ 103.40 & + 14.00 \end{array}$.6451 .6347					926 UNCH 169 UNCH
2010 2020 2025	94.10	94.10	105.20B/86.40A 99.60B/81.50A 96.90B/79.10A	105.20B/86.40A 99.60B/81.50A 96.90B/79.10A		100.60 + 13.80 95.10 + 13.20 92.50 + 13.00	.6242 .6030 .5923			2 3		673 UNCH 35 UNCH 108 - 1
2030 2035	89.20	89.20 78.30	94.20B/76.80A 91.60B/74.60A 89.20B/72.40A	94.20B/76.80A 91.60B/74.60A		89.90 + 12.70 87.40 + 12.50	.5817			3 		75 UNCH 100 UNCH
2040 2045 2050		78.30 	86.70B/70.30A 84.30B/68.20A	89.20B/72.40A 86.70B/70.30A 84.30B/68.20A		82.60 + 12.00 80.20 + 11.60	.5603 .5497 .5390			 49		50 UNCH 20 UNCH 1079 + 46
2055 2060 2065	;)		81.90B/66.30A 79.80B/64.30A 77.50B/62.40A	81.90B/66.30A 79.80B/64.30A 77.50B/62.40A		78.00 + 11.40 75.80 + 11.20 73.70 + 10.90	.5284 .5179 .5074					202 UNCH 166 UNCH 197 UNCH
2070 2075			75.30B/60.60A 73.30B/58.90A	75.30B/60.60A 73.30B/58.90A		71.60 + 10.70 69.60 + 10.40	.4970 .4868				 50	88 UNCH 1005 + 25
2085 2090 2100)	 62.40	69.30B/55.50A 67.40B/53.90A 63.70B/50.80A	69.30B/55.50A 67.40B/53.90A 63.70B/50.80A		65.70 + 9.90 63.90 + 9.70 60.40 + 9.30	.4665 .4567 .4373			 227	 150	70 UNCH 18 UNCH 3915 + 176
2105 2110	·		61.90B/49.40A 60.20B/47.90A	61.90B/49.40A 60.20B/47.90A		58.70 + 9.10 57.00 + 8.80	.4278 .4183					3 UNCH 120 UNCH
2120 2125 2130			57.00B/45.20A 55.40B/44.00A 53.90B/42.70A	57.00B/45.20A 55.40B/44.00A 53.90B/42.70A		53.90 + 8.40 52.40 + 8.20 51.00 + 8.10	.4001 .3912 .3826					25 UNCH 71 UNCH 4 UNCH
2135 2140	;)		52.40B/41.50A 51.00B/40.30A 49.60B/39.20A	52.40B/41.50A 51.00B/40.30A 49.60B/39.20A		49.60 + 7.90 48.20 + 7.70 46.90 + 7.50	.3740 .3655 .3573					1 UNCH 156 UNCH 50 UNCH
2145 2150 2155	45.50	45.50	48.20B/38.10A 46.90B/37.10A	48.20B/38.10A 46.90B/37.10A		45.60 + 7.30 44.40 + 7.20	.3491 .3413			11 		2188 + 5 201 UNCH
2160 2165 2170) ;		45.70B/36.00A 44.40B/35.00A 43.20B/34.10A	45.70B/36.00A 44.40B/35.00A 43.20B/34.10A		43.20 + 7.00 42.00 + 6.80 40.90 + 6.70	.3335 .3258 .3185					129 UNCH 1 UNCH 298 UNCH
2175 2180			42.10B/ 41.00B/	42.10B/33.20A 41.00B/32.30A		39.80 + 6.60 38.70 + 6.40	.3112 .3039					193 UNCH 201 UNCH
2185 2190 2195) ;		39.80B/ 38.80B/30.50A 37.70B/	39.80B/31.40A 38.80B/30.50A 37.70B/29.70A		37.70 + 6.30 36.70 + 6.10 35.70 + 6.00	.2970 .2902 .2835					1414 UNCH 671 UNCH 153 UNCH
2200 2205	32.30	32.30	36.70B/32.30 35.80B/	36.70B/28.90A 35.80B/28.20A 33.90B/26.70A		34.80 + 5.90 33.90 + 5.70	.2771 .2707			5 		15103 UNCH 62 UNCH
2215 2225 2230			33.90B/ 32.20B/ 31.30B/	32.20B/25.30A 31.30B/24.60A		32.10 + 5.40 30.50 + 5.20 29.70 + 5.10	.2582 .2466 .2409					15 UNCH 618 UNCH 22 UNCH
2240 2250)		29.70B/ 28.20B/ 27.50B/	29.70B/23.40A 28.20B/22.20A 27.50B/21.60A		28.20 + 4.90 26.80 + 4.70 26.10 + 4.60	.2300 .2196 .2145					16 UNCH 5469 UNCH 35 UNCH
2255 2260 2265			26.80B/ 26.10B/	26.80B/21.10A 26.10B/20.50A		25.40 + 4.40 24.80 + 4.40	.2094 .2048					405 UNCH 1 UNCH
2275 2280 2285)		24.80B/ 24.20B/ 23.60B/	24.80B/19.50A 24.20B/19.00A 23.60B/18.50A		23.50 + 4.10 22.90 + 4.00 22.40 + 4.00	.1952 .1907 .1866			66 		719 + 15 17 UNCH 8 UNCH

METALS OPTIONS PRODUCTS

2023 DAILY INFORMATION BULLETIN - http://www.cmegroup.com/dailybulletin

CME Group, Inc.







PG64 BULLETIN #225@ Tue, Nov 21, METALS OPTION PRODUCTS 2023 PG64 OPEN OUTCRY VOLUME GLOBEX OPEN OPEN OUTCRY OPEN RANGE GLOBEX HIGH/LOW OPEN OUTCRY HIGH/LOW OPEN OUTCRY CLOSE RANGE SETT.PRICE & PT.CHGE. DELTA EXER CISES GLOBEX® VOLUME OPEN INTEREST PNT VOLUME OG CALL JUN24 23.00B/---22.40B/---21.80B/---21.30B/---20.80B/---20.80B/---20.80B/---17.90B/---17.90B/---16.70B/---15.50B/---15.50B/---13.50B/---11.70B/---10.70B/---10.70B/---8.60B/7.20
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124.708/---119.008/100.90A
111.008/93.70A
101.008/84.90A
94.208/78.90A
91.908/--87.708/---77.908/---77.908/---77.908/---77.908/---77.908/---77.908/---77.908/---77.908/---77.908/---77.908/---77.908/---77.908/---77.908/--77.908/---77.908/---77.908/---77.908/---77.908/---78.908/---77.908/---78.908/---77.908/---808/---77.908/---808/---77.908/---808/---77.908/---808/----432.608/410.60A
402.40B/381.40A
366.20B/358.70A
272.50B/246.70A
204.30B/180.80A
192.50B/169.60A
166.50B/145.20A
159.50B/169.60A
149.40B/129.30A
133.50B/114.00A
124.70B/106.90A
119.00B/100.90A
111.00B/93.70A
101.00B/89.20A
101.00B/89.20A
101.00B/89.20A
101.00B/89.20A
107.00B/106.30B/99.40A
107.00B/106.30B/99.40A
107.00B/89.20A
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107.00B/89.30A
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107.00B/89.30A
108.30B/38.30A
109.40B/88.30A
100B/89.30B/89.30B
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METALS OPTIONS PRODUCTS

Side 22

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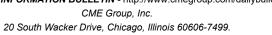
20 South Wacker Drive, Chicago, Illinois 60606-7499.

Customer Service: (312) 930-1000 PRELIMINARY

PG64	BULLET	IN #225@		N	METALS OPTION					Tue,	Nov 21	, 2023	PG64
	GLOBEX OPEN	OPEN OUTCRY OPEN RANGE	GLOBEX HIGH/LOW	OPEN OUTCRY HIGH/LOW	OPEN OUTCRY CLOSE RANGE	SETT.PRICE & PT.CHGE.	DELTA	EXER CISES	OPEN OUTCRY VOLUME	GLOBEX® VOLUME		INTE	OPEN REST
OG CAL AUG24 2325 2340 2350 2400 2420 2450 2550 2550 2575 2600 2750 2800 2900 2900 2900 3100 3100 3200	9.30 9.30 2.30	COMEX GOLD OPTI	30.908/ 29.008/ 27.908/ 27.908/ 26.708/ 21.108/ 13.108/ 13.108/ 13.108/ 11.108/ 11.108/ 6.908/ 6.008/ 6.008/ 4.108/ 3.608/ 2.908/ 2.908/ 2.908/	30.908/25.60A 29.008/24.10A 27.908/23.10A 26.708/23.10A 22.908/19.00A 21.108/17.60A 18.908/13.10A 13.108/11.00A 13.108/13.10A 11.108/9.30A 9.40/8.00A 8.008/6.90A 6.908/5.90A 6.008/5.20A 4.608/4.10A 4.10B/3.70A 3.608/3.30A 2.908/2.70A		29.90 + 4.60 28.10 + 4.30 27.00 + 4.10 25.90 + 4.00 22.10 + 3.40 20.50 + 3.20 18.30 + 2.80 15.30 + 2.40 11.80 + 1.90 10.90 + 1.10 6.90 + 1.10 6.90 + 1.10 6.00 + 1.00 4.70 + 0.80 4.10 + 0.70 3.70 + 0.60 3.00 + 0.50 2.50 + 0.40	.2076 .1962 .1891 .1821 .1571 .1463 .1314 .1105 .0936 .0859 .0794 .0678 .0583 .0593 .0437 .0339 .0265 .0212			2 2 38		41 1 250 100 200 1 1 166 1 3 256 48 8 8 8 8 28 1 20 20 475 2 4 47780 +	UNCH UNCH UNCH UNCH UNCH UNCH UNCH UNCH
SEP24 1650 1675 1700 1925 1950 2040 2045 2050 2055 2070 2075 2080 2085 2090 2120 2130 2130 2150 2150 2275 2285 2310 23450 2450 2450 2450 2450 2450 2450 2450 2	62.00	62.00	448.508/ 429.008/ 404.308/ 203.408/ 167.508/ 151.208/ 125.208/ 125.208/ 125.208/ 114.908/98.00A 119.908/95.80A 110.008/93.70A 107.708/ 103.108/ 98.708/83.70A 90.608/ 98.708/83.70A 90.608/ 41.808/ 47.908/67.20A 76.408/ 44.708/67.20A 76.408/ 44.708/67.20A 76.408/ 47.908/ 48.808/ 47.908/ 48.808/ 47.908/ 48.808/ 47.908/ 48.908/ 41.108/ 21.108/ 22.608/ 23.408/ 24.208/ 21.108/ 21.108/ 13.108/ 13.108/ 15.308/ 15.308/	448.50B/425.90A 429.00B/401.00A 404.30B/376.60A 203.40B/180.50A 184.90B/163.10A 167.50B/131.80A 127.90B/110.50A 125.20B/108.10A 119.90B/93.70A 110.00B/93.70A 110.00B/93.70A 110.00B/93.70A 110.00B/93.70A 107.70B/92.50A 110.00B/93.70A 107.70B/92.50A 108.70B/95.80A 110.00B/95.80A 110.00B/95.80A 110.00B/95.80A 110.00B/95.80A 120.40B/95.80A 120.40B/96.10A 86.80B/74.10A 98.70B/83.70A 48.80B/41.40A 47.90B/40.30A 46.10B/38.70A 48.80B/41.40A 47.90B/40.30A 46.10B/38.70A 48.80B/41.90A 49.90B/25.30A 29.90B/25.30A 22.00B/21.20A 24.20B/20.50A 22.10B/11.90A 12.10B/11.90A 12.10B/11.90A 13.10B/11.20A 13.10B/11.20A 13.10B/11.20A 13.10B/11.20A		446.60 + 21.80 421.70 + 21.70 397.00 + 21.50 197.90 + 18.00 179.60 + 17.10 162.50 + 16.20 146.60 + 15.40 123.70 + 13.60 118.40 + 13.40 115.90 + 13.20 113.40 + 13.20 113.40 + 12.30 101.70 + 12.30 101.70 + 12.30 101.70 + 12.30 101.70 + 12.00 99.60 + 11.90 99.60 + 11.90 95.30 + 10.50 87.50 + 10.80 85.60 + 10.50 83.80 + 10.40 77.00 + 9.40 62.60 + 8.20 51.20 + 6.90 47.40 + 6.50 46.50 + 6.40 44.70 + 6.10 42.20 + 5.90 40.60 + 5.60 36.30 + 5.10 31.90 + 4.60 29.10 + 4.10 22.10 + 3.20 20.70 + 3.10 19.10 + 2.90 16.30 + 2.50 12.00 + 3.20 20.70 + 3.10 19.10 + 2.90 16.30 + 2.50 12.00 + 1.80 6.70 + 1.90 5.40 + 0.90	.9706 .9639 .9537 .7855 .7523 .7163 .6050 .5967 .5885 .5802 .5719 .5388 .5306 .5553 .5470 .4230 .3695 .3114 .2909 .2763 .22537 .2292 .2037 .1872 .1592 .1593 .1494 .1494	1		120	100	0 0 - 2 23 63 12024 1 135 11 150 11 11 12424 13 197 2 6124 + 261 23 130 1345 2 2 65 14 10 2 2 3 135 130 1345 14 10 2 2 11 11 11 11 11 11 11 12 12 13 13 13 13 13 13 13 13 13 13 13 13 13	UNCH UNCH UNCH UNCH UNCH UNCH UNCH UNCH
OCT24 1700 1945 1950 2000 2005 2050 2055 2100 2150 2250 22			404.508/ 192.608/ 189.008/ 156.208/136.20A 153.108/ 130.508/112.80A 127.908/110.50A 125.408/108.20A 104.408/ 85.408/ 63.908/54.40A 58.208/ 45.108/ 31.508/ 28.108/ 21.508/ 22.908/ 14.808/ 14.808/ 14.808/ 14.808/ 15.808/2.70	153.10B/134.50A 130.50B/112.80A 127.90B/110.50A		397.50 + 21.30 187.60 + 17.00 184.10 + 16.90 151.70 + 15.10 148.80 + 15.00 126.60 + 13.60 121.60 + 13.50 121.60 + 13.30 101.20 + 11.70 82.80 + 9.90 68.20 + 8.30 62.00 + 7.50 56.50 + 7.00 54.50 + 6.80 44.00 + 5.70 33.50 + 4.50 27.60 + 3.80 24.40 + 3.40 22.60 + 3.20 18.10 + 2.60 15.70 + 2.20 14.70 + 2.10 6.70 + 1.00 2.80 + 0.40	.9468 .7477 .7411 .6700 .6626 .6011 .5933 .5855 .5157 .4430 .3785 .3494 .3227 .3126 .2585 .2015 .1868 .1681 .1495 .1389 .1122 .0978 .0918 .0019			30 		1 12 - 1 170 6000 255 322 266 1 1 1 1 2 5044 1 11,8466 3 107 1588 255 508 + 11,546 11,	UNCH UNCH UNCH UNCH UNCH UNCH UNCH UNCH
NOV24 1675 1700 1900 1975 2000 2025 2050 2110 2150 2175 2200 2250 2275 2300 2345 2450 2500 2500 2505 2505 2500 2505 2700 2700			447.30B/ 422.90B/ 244.70B/ 189.90B/ 173.70B/ 173.70B/ 158.50B/138.70A 144.40B/125.80A 131.50B/114.10A 119.60B/103.50A 115.20B/ 99.10B/85.50A 90.30B/77.80A 69.00B/59.30A 63.30B/ 58.20B/ 50.10B/ 50.10B/ 25.00B/ 23.30B/ 21.80B/ 17.90B/	144.40B/125.80A 131.50B/114.10A		440.00 + 21.90 415.70 + 21.80 239.00 + 18.80 184.80 NEW 168.80 + 15.70 154.00 + 15.00 140.30 + 14.20 127.60 + 13.30 116.10 + 12.40 111.80 + 12.10 96.20 + 10.60 87.70 + 9.70 80.10 + 8.90 67.20 + 7.80 61.70 + 7.40 56.70 + 6.90 48.80 + 5.90 35.40 + 4.60 30.60 + 4.10 24.70 + 3.30 23.10 + 3.20 21.60 + 3.00 17.80 + 2.40	.9531 .9440 .8081 .7201 .6866 .6517 .5794 .5430 .5286 .4729 .4402 .4093 .3335 .3284 .3051 .2673 .1987 .1732 .1414 .1326 .1243 .1029			30		6 2 300 30 + 16 18 12 365 60 630 10 2 53 8 2 1 10 18 12 24 100 1694 +	UNCH UNCH UNCH UNCH UNCH UNCH UNCH UNCH
DEC24 1675 1700 1950 1965 1985 2000 2010 2020 2025 2050 2060 2070			447.60B/ 423.50B/ 211.70B/ 201.40B/ 178.80B/ 172.70B/152.70A 166.80B/ 163.90B/144.50A 150.00B/ 144.80B/ 139.70B/	166.80B/148.40A 163.90B/144.50A 150.00B/131.90A 144.80B/128.20A 139.70B/122.50A	 	440.50 + 21.80 416.50 + 21.60 206.80 + 17.40 196.60 + 16.90 183.50 + 16.10 174.20 + 15.70 168.20 + 15.40 162.40 + 15.10 159.50 + 14.90 146.00 + 14.20 140.90 + 13.90 136.00 + 13.60	.9447 .9345 .7408 .7230 .6982 .6790 .6658 .6525 .6458 .6118 .5981					1 4 278 100 1 335 4 1 853 240 4 12	UNCH UNCH UNCH UNCH UNCH UNCH UNCH UNCH

METALS OPTIONS PRODUCTS

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PG64 BUL	BULLETIN #225@ METALS OPTION PRODUCTS								Tue,	Nov 21	, 2023	PG64
GLOBE OPEN		GLOBEX HIGH/LOW	OPEN OUTCRY HIGH/LOW	OPEN OUTCRY CLOSE RANGE	SETT.PRICE & PT.CHGE.	DELTA	EXER CISES	OPEN OUTCRY VOLUME	GLOBEX® VOLUME	PNT VOLUME	INTE	OPEN REST
OG CALL DEC24	COMEX GOLD O	PTIONS 137.20B/	137.20B/120.30A		133.60 + 13.40	.5774					381	UNCH
2080 2085		134.80B/ 132.40B/	134.80B/118.10A 132.40B/117.00A		131.20 + 13.30 128.90 + 13.10	.5705 .5636					19 1	UNCH UNCH
2100 2150		130.10B/ 125.50B/ 105.00B/	130.10B/113.90A 125.50B/109.80A 105.00B/91.80A		126.60 + 12.90 122.20 + 12.60 102.40 + 10.90	.5568 .5431 .4768					12 1743 909	UNCH UNCH UNCH
2160 2175 2200 81.40		101.50B/ 96.30B/ 89.60/81.40	101.50B/88.60A 96.30B/83.90A 89.60/77.10A		98.80 + 10.50 93.80 + 10.00 86.10 + 9.20	.4641 .4457 .4163			 4		50 1 1337 +	UNCH UNCH 4
2225 2250 2275		81.30B/ 74.90B/ 69.00B/	81.30B/70.80A 74.90B/65.10A 69.00B/60.00A		79.10 + 8.50 72.90 + 8.00 67.30 + 7.50	.3886 .3627 .3387					2 10 61	UNCH UNCH UNCH
2300 63.00 2310 2350		63.70B/63.00 61.60B/ 54.50B/	63.70B/55.40A 61.60B/54.20A 54.50B/47.40A		62.20 + 7.00 60.30 + 6.90 53.40 + 6.30	.3162 .3077 .2761			1 		952 200	UNCH UNCH UNCH
2375 2400 2440		50.50B/ 46.90B/ 41.70B/	50.50B/44.00A 46.90B/40.80A 41.70B/36.60A		49.60 + 5.90 46.10 + 5.60 41.10 + 5.00	.2582 .2415 .2173					31 76 1128 1	UNCH UNCH UNCH
2450 2500 35.10	0 35.10	40.50B/ 35.20B/35.10 32.80B/	40.50B/35.40A 35.20B/30.80A		39.90 + 4.80 34.70 + 4.20 32.40 + 3.90	.2116 .1858 .1743			1 		5795 9	UNCH UNCH UNCH
2550 2600		30.70B/ 27.00B/	32.80B/28.80A 30.70B/27.00A 27.00B/23.70A		30.30 + 3.60 $26.60 + 3.20$.1636 .1445					12 1018	UNCH UNCH
2625 2650 2675		25.30B/ 23.70B/ 22.30B/	25.30B/22.30A 23.70B/21.00A 22.30B/19.80A		24.90 + 2.90 23.40 + 2.70 22.00 + 2.50	.1358 .1279 .1205					86 236 25	UNCH UNCH UNCH
2700 19.70 2800 2900		21.00/19.70 16.70B/ 13.40B/	21.00/18.60A 16.70B/14.90A 13.40B/12.10A		20.70 + 2.40 16.50 + 1.90 13.30 + 1.50	.1136 .0909 .0735			6 		2570 + 354 1	1 UNCH UNCH
3000 3250 3300		10.90B/ 7.00B/ #6.50B/	10.90B/10.00A 7.00B/6.40A #6.50B/5.90A		$\begin{array}{r} 10.80 + 1.10 \\ 6.90 + 0.70 \\ 6.40 + 0.60 \end{array}$.0598 .0380 .0351					6411 10 400	UNCH UNCH UNCH
3500 4000 2.60 5000	0 2.60	4.70B/ 2.90/*2.60 	4.70B/4.50A 2.90/2.60 1.10B/1.20A		4.70 + 0.40 2.50 + 0.20 1.20 + 0.10	.0256 .0133 .0059			6 		59 23 + 106	UNCH 6 UNCH
10000 TOTAL					0.30 UNCH	.0012			18		440 26303 +	UNCH 11
JUN25 2125 2475					172.50 + 12.00 80.90 + 6.20	.5686 .2990					300 500	UNCH UNCH
2500 2700 TOTAL					77.60 + 6.10 57.60 + 4.50	.2869 .2118					1000 680 2480	UNCH UNCH 0
DEC25 2150					204.90 + 12.30	.5845					150	UNCH
2200 2450 2625		 			185.50 + 11.30 118.80 + 7.80 90.60 + 6.10	.5410 .3681 .2863					100 200 1000	UNCH UNCH UNCH
2750 3000 3500		 			74.50 + 5.00 50.50 + 3.50 25.90 + 1.80	.2397 .1687 .0901					1920 10070 20	UNCH UNCH UNCH
TOTAL											13460	0
GLOBE OPEN		GLOBEX HIGH/LOW	OPEN OUTCRY HIGH/LOW	OPEN OUTCRY CLOSE RANGE	SETT.PRICE & PT.CHGE.	DELTA	EXER CISES	OPEN OUTCRY VOLUME	GLOBEX® VOLUME	PNT VOLUME	INTE	OPEN REST
MMG MON NOV23		EEKLY MONDAY OPTION			0.00						0	
1965 1970 1985	 				0.00 UNCH 10.30 UNCH 0.00 UNCH	1.0000 1.0000					0 0	UNCH UNCH
Z000 TOTAL DEC23					0.00 UNCH	1.0000					0	UNCH 0
1870 1940		 /*0.70A #43.10B/21.50A	0.40B/*0.40A 1.00B/*0.70A 43.10B/21.50A		0.30 - 0.10 0.60 - 0.80 36.30 + 14.70	.0105 .0283 .8051			 1		12 0 1 -	UNCH UNCH
1995 39.60 2005	0 39.60	#46.30B/27.10A /*15.50A 31.40B/13.90A	#46.30B/27.10A 26.60B/*15.50A		40.20 NEW 17.30 - 10.00	.6763 .3857			1 		1 + 1	1 UNCH
2005 2040 9.80 TOTAL		12.40B/9.80	31.40B/13.90A 12.40B/4.40A		25.40 + 11.40 9.10 + 4.80	.6757 .3289			1 3		1 0 - 16-	UNCH 1 1
GLOBE OPEN		GLOBEX HIGH/LOW	OPEN OUTCRY HIGH/LOW	OPEN OUTCRY CLOSE RANGE	SETT.PRICE & PT.CHGE.	DELTA	EXER	OPEN OUTCRY	GL0BEX®	PNT	ſ	OPEN
GWW WED	GOLD WEEKLY	WEDNESDAY OPTION WEE	:K5				CISES	VOLUME	VOLUME	VOLUME	INTE	REST
NOV23 1760 0.10 1775		#0.10/*0.10 	0.10/0.10 /0.10A		0.10 UNCH 0.10 UNCH				1		1 + 20	1 UNCH
1780 1810 1815		#249.70B/ 	#249.70B/221.00A 0.10B/0.10A /0.10A		241.80 + 21.40 0.10 UNCH 0.10 UNCH	1.0000			10		0 10 +	UNCH 10 UNCH
1820 1825 1840		 0.20B/	0.10B/*0.10A 0.10B/*0.10A 0.20B/*0.10A		0.10 UNCH 0.10 UNCH 0.10 UNCH	.0000 .0000 .0000					30 4 24	UNCH UNCH UNCH
1855 1860	 	0.20B/	/0.10A /0.10A 0.20B/*0.10A		0.10 UNCH 0.10 UNCH 0.10 UNCH	.0004					5 26 20	UNCH UNCH UNCH
1865 1870	 	0.205/ 0.30B/	/0.10A /0.10A 0.30B/*0.10A		0.10 UNCH 0.10 UNCH 0.10 UNCH	.0009					71 10	UNCH UNCH UNCH
1875 1875	 	154.80B/	154.80B/125.90A 0.10B/0.10A		146.80 + 21.30 0.10 UNCH	.9989					18 1 66	UNCH UNCH
1875 1880 1880 0.10	0 0.10	0.30B/ 0.30B/ 0.10/0.10	0.30B/0.20A 0.30B/0.20A 0.10/0.10		0.10 UNCH 0.10 - 0.10 0.10 UNCH	.0013			 9		23 0 124 +	UNCH UNCH 9
1885 1885 1885 0.10	0 0.10	124.60B/ 0.30B/ 0.10/0.10	124.60B/95.80A 0.30B/0.20A 0.10/0.10		116.70 + 21.30 0.10 - 0.10 0.10 UNCH	1.0000			23		1 32 34 +	UNCH UNCH 23
1890 1890 1890 0.10		119.60B/ 0.30B/ 0.10/0.10	119.60B/90.80A 0.30B/0.20A 0.10/0.10		111.70 + 21.30 0.10 - 0.10 0.10 UNCH	1.0000			 24		2 8 21 +	UNCH UNCH 19
1895 1895 1900	 	114.60B/ 109.60B/	114.60B/85.80A 0.10B/0.10A 109.60B/80.80A		106.70 + 21.30 0.10 UNCH 101.70 + 21.30	1.0000 1.0000					30 1	UNCH UNCH UNCH
1900 1900 0.20 1905	0 0.20	0.40B/*0.20 104.60B/	0.10B/0.10A 0.40B/*0.20 104.60B/75.80A		0.10 UNCH 0.20 - 0.10 96.70 + 21.30	.0072 1.0000			9 1		9 21 + 1 -	UNCH 5 1
1905 1910 1910		99.60B/ 0.40B/*0.20A	0.10B/0.10A 99.60B/70.80A 0.40B/*0.20A		0.10 UNCH 91.70 + 21.30 0.20 - 0.10	1.0000			1		22 0 - 6	UNCH 1 UNCH
1910 1915 0.10 1915	0 0.10	0.20/0.10 0.50B/*0.20A	0.10B/0.10A 0.20/0.10 0.50B/*0.20A		0.10 UNCH 0.10 UNCH 0.20 - 0.10	.0082			37 3		30 140 + 4 +	UNCH 34 3
1920 1920 0.10 1920 0.30	0 0.10	#109.80B/ 0.20B/*0.10 0.50B/*0.30	#109.80B/81.10A 0.20B/*0.10 0.50B/*0.30		101.90 + 21.20 0.10 UNCH 0.20 - 0.20	.9914			20 29		1 69 37 +	UNCH UNCH 15
1925 1925 0.20	0 0.20	84.60B/ 0.20/0.20 0.50/*0.30	84.60B/55.90A 0.20/*0.10A 0.50/*0.30		76.70 + 21.30 0.10 UNCH 0.20 - 0.20	1.0000			 5 7		2 252	UNCH UNCH 5
1930 1930 0.40	0 0.40	79.60B/ 0.60B/*0.30A	79.60B/50.90A 0.60B/*0.30A		71.70 + 21.30 0.20 - 0.30	1.0000 .0094			22		59 + 1 38 +	UNCH 20
1930 0.20 1935 1935 0.20	0 0.20	0.20/0.20 0.70B/*0.30A 0.20/0.20	0.20/0.10A 0.70B/*0.30A 0.20/*0.10A		0.10 UNCH 0.30 - 0.30 0.10 UNCH	.0139			5 17		17 + 63 68 +	UNCH 17
1940 1940 1940 0.10		#89.90B/ 69.60B/	#89.90B/61.50A 69.60B/41.00A		82.00 + 20.90 61.70 + 21.20	.9853 1.0000			 2		10	UNCH
1940 0.10 1940		0.30B/*0.10 /*0.30A	0.30B/*0.10 0.70B/*0.30A		0.10 - 0.10 0.30 - 0.40	.0146			2		19 17	UNCH UNCH

METALS OPTIONS PRODUCTS

Side 24



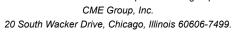




PG64	BULLET	IN #225@	METALS OPTION PRODUCTS							Tue,	Nov 21	, 2023 PG64
	GLOBEX OPEN	OPEN OUTCRY OPEN RANGE	GLOBEX HIGH/LOW	OPEN OUTCRY HIGH/LOW	OPEN OUTCRY CLOSE RANGE	SETT.PRICE & PT.CHGE.	DELTA	EXER CISES	OPEN OUTCRY VOLUME	GLOBEX® VOLUME	PNT VOLUME	OPEN INTEREST
GWW W NOV23			WEDNESDAY OPTION WEE			0.10 0.20	0000			101		77 . 24
1945 1950 1950	0.10 51.90 0.20	0.10 51.90 0.20	0.30/*0.10 59.60B/51.90 0.40/*0.10	0.30/*0.10 59.60B/31.30A 0.40/*0.10		0.10 - 0.30 51.70 + 20.90 0.10 - 0.40	.0000 1.0000 .0000			101 1 43		77 + 34 5 - 1 53 + 12
1950 1955 1955	0.70 35.00	0.70 35.00	0.70/*0.40A 54.60B/35.00 /*0.50A	0.90B/*0.40A 54.60B/26.50A 1.20B/*0.50A		0.40 - 0.70 46.70 + 20.60 0.50 - 1.00	.0207 .9997 .0263			48 1 1		155 + 47 16 - 1 1 + 1
1955 1960	0.20	0.20	0.20/*0.10 70.10B/	0.60B/*0.10 70.10B/42.50A		0.10 - 0.70 62.30 + 20.10	.0002 .9675			9		285 - 2 5 UNCH
1960 1960 1960	1.00 1.10	1.00 1.10	49.70B/ 1.00/*0.10 1.10/*0.60A	49.70B/21.90A 1.00/*0.10 1.50B/*0.60A		41.70 + 20.10 0.10 - 1.20 0.60 - 1.30	.9989 .0010 .0323			85 1		18 UNCH 94 + 46 202 UNCH
1965 1965 1965	28.40	28.40	65.20B/ 44.70B/28.40 /*0.70A	65.20B/38.00A 44.70B/17.70A 2.10B/*0.70A		57.50 + 19.70 36.80 + 19.40 0.70 - 1.70	.9609 .9967 .0389			3		1 UNCH 7 - 2 14 UNCH
1965 1970	1.60	1.60	1.60/*0.20 60.30B/	1.70B/*0.20 60.30B/33.70A		0.20 - 1.90 52.70 + 19.20	.0032 .9494			78 		235 + 14 2 UNCH
1970 1970 1970	24.30 2.50 1.00	24.30 2.50 1.00	39.70B/24.30 2.50/*0.20 1.00/*0.80A	39.70B/13.60A 2.80B/*0.20 2.70B/*0.80A		31.90 + 18.40 0.30 - 2.90 0.90 - 2.20	.9931 .0068 .0503			63 174 4		71 - 12 97 + 15 26 - 1
1975 1975 1975	33.70 3.50	33.70 3.50	55.50B/ 34.80B/27.70 3.70/*0.40	55.50B/29.60A 34.80B/10.30A 4.40B/*0.40		47.90 + 18.50 27.00 + 16.80 0.40 - 4.50	.9331 .9877 .0122			12 307		7 UNCH 245 - 2 214 + 102
1975 1980 1980	2.00 49.00 8.60	2.00 49.00 8.60	2.00/*1.00A 50.80B/48.60 30.00B/7.30A	3.60B/*1.00A 50.80B/25.70A 30.00B/7.30A		1.20 - 2.80 43.30 + 17.70 22.20 + 14.80	.0667 .9156 .9746			2 2 162		34 + 1 4 + 1 107 - 2
1980 1980	2.70 5.60	2.70 5.60	2.70/*1.20A 5.60/*0.50	4.70B/*1.20A 6.60B/*0.50		1.50 - 3.70 0.60 - 6.50	.0841 .0253			2 269		$ \begin{array}{r} 3 + 1 \\ 85 + 11 \end{array} $
1985 1985 1985	5.70 8.20	5.70 8.20	46.00B/21.80A 25.30B/5.20A 8.20/*0.80	46.00B/21.80A 25.30B/5.20A 9.30B/*0.80		38.70 + 16.70 17.70 + 12.40 1.10 - 8.90	.8895 .9368 .0631			2 149 410		5 + 1 165 + 8 190 + 72
1985 1990 1990	4.00 4.30	4.00 4.30	4.00/*1.50A 41.50B/18.50A 20.70B/3.60A	6.10B/*1.50A 41.50B/18.50A 20.70B/3.60A		2.00 - 4.70 34.30 + 15.50 13.40 + 9.70	.1102 .8586 .8683			7 2 130		101 - 5 5 + 2 128 + 55
1990 1990	2.80 7.00	2.80 7.00	2.80/*2.00A 7.40/*1.20	7.90B/*2.00A 12.70B/*1.20		2.60 - 5.80 1.80 - 11.60	.1411 .1315			1 312		$ \begin{array}{ccccccccccccccccccccccccccccccccc$
1995 1995 1995	22.80 6.90 2.50	22.80 6.90 2.50	37.10B/15.60A 16.50B/5.10 2.50/*2.50	37.10B/15.60A 16.50B/2.60A 10.00B/*2.50		30.10 + 14.20 9.70 + 7.20 3.30 - 7.20	.8227 .7398 .1770			1 124 2		4 UNCH 64 + 35 9 + 2
1995 2000	7.60 18.90 1.80	7.60 18.90 1.80	10.60/*2.00A 32.90B/13.00A 12.70B/1.80	16.60B/*2.00A 32.90B/13.00A 12.70B/1.80		3.10 NEW 26.10 + 12.80 6.70 + 5.00	.2600 .7766 .5621			292 8 200		70 + 70 5 UNCH 188 + 54
2000 2000 2000	11.80 8.50	11.80 8.50	11.80/*3.20 9.30/*3.30A	20.80B/*3.20 12.40B/*3.30A		5.10 - 16.30 4.30 - 8.60	.4378 .2231			580 35		265 + 262 375 + 17
2005 2005 2005	22.80 1.30 5.10	22.80 1.30 5.10	28.90B/10.80A 9.40B/1.30 8.00/*5.10	28.90B/10.80A 9.40B/1.20A 25.30B/*5.10		22.40 + 11.40 4.50 + 3.40 7.90 - 17.90	.7203 .3765 .6234			5 236 313		$ \begin{array}{rrr} 12 + & 1 \\ 75 + & 42 \\ 304 + & 302 \end{array} $
2005 2010 2010	10.20 0.90	10.20 0.90	10.20/*4.30A 25.20B/8.90A 6.90B/0.90	15.10B/*4.30A 25.20B/8.90A 6.90B/0.90		5.70 - 9.90 19.10 + 10.00 2.90 + 2.20	.2794 .6599 .2238			3 1007		4 + 2 19 UNCH 854 + 8
2010 2010	21.30 12.70	21.30 12.70	21.40/*7.50A 12.70/*5.60A	30.00B/*7.50A 18.10B/*5.60A		11.30 - 19.10 7.30 - 11.40	.7761 .3398			127 60		101 + 99 35 + 34
2015 2015 2015	13.50 1.40 16.50	13.50 1.40 16.50	21.80B/7.30A 4.80B/1.40 16.50/*7.20A	21.80B/7.30A 4.80B/0.70A 21.30B/*7.20A		16.10 + 8.70 1.90 + 1.40 9.30 NEW	.5944 .1238 .4053			8 110 13		$ \begin{array}{cccccccccccccccccccccccccccccccccccc$
2015 2020 2020	9.00 0.50	9.00 0.50	/*10.40A 18.70B/5.90A 3.30/0.50	34.80B/*10.40A 18.70B/5.90A 3.30/0.50		15.30 - 19.90 13.50 + 7.50 1.20 + 0.80	.8761 .5269 .0629			2 695		3 UNCH 4 + 2 375 + 120
2020 2020	12.90 7.00	12.90 7.00	/*13.90A 12.90/*9.10A	39.60B/*13.90A 24.90B/*9.10A		19.60 - 20.50 11.70 - 13.90 11.20 + 6.40	.9370 .4728			11 421		7 UNCH 7 + 6
2025 2025 2025	1.20 21.10	1.20 21.10	15.90B/6.90 2.30/0.50 23.20/*17.90A	15.90B/4.80A 2.30/0.40A 44.50B/*17.90A		0.80 + 0.50 24.20 NEW	.4605 .0323 .9676			216 2		263 - 3 0 UNCH
2025 2030 2030	11.80 6.20 1.00	11.80 6.20 1.00	11.90/*11.20 13.40B/5.60 1.60B/0.40	28.80B/*11.20 13.40B/3.90A 1.60B/0.30A		14.40 NEW 9.20 + 5.30 0.50 + 0.30	.5392 .3966 .0150			181 10 231		150 + 150 271 - 1 302 + 2
2030 2035	30.00 11.10 0.70	30.00 11.10 0.70	30.30/*22.10A 11.20B/11.10 1.20/0.20	49.40B/*22.10A 11.20B/3.10A 1.20/0.20		28.90 NEW 7.50 + 4.40	.9849 .3370 .0093			2 2 34		1 + 1 19 UNCH
2035 2035 2040	35.40 3.40	35.40 3.40	35.40/*26.60A 9.30B/3.40	54.40B/*26.60A 9.30B/2.50A		33.80 - 21.00 6.10 + 3.60	.9906 .2832			3 10		2 UNCH 68 + 1
2040 2045 2045	0.20 7.10 0.30	0.20 7.10 0.30	0.90/0.20 7.70B/7.10 0.50B/0.10	0.90/0.20 7.70B/2.00A 0.50B/0.10		$\begin{array}{cccc} 0.30 & + & 0.20 \\ 4.90 & + & 3.00 \\ 0.20 & + & 0.10 \end{array}$.0054 .2347 .0026			37 26 11		65 + 31 24 + 10 44 + 9
2045 2050 2050	1.60 60.70	1.60 60.70	/*36.10A 6.30B/1.60 60.70/*40.90A	64.30B/*36.10A 6.30B/1.60 69.30B/*40.90A		43.60 - 21.20 3.90 + 2.40 48.60 - 21.20	.9973 .1921 .9977			250 1		1 UNCH 275 + 195 0 - 1
2050 2055	0.20 3.40	0.20 3.40	0.50/0.10 5.10B/3.40	0.50/0.10 5.10B/1.30A		0.20 + 0.10 $3.20 + 2.00$.0022 .1587			93 53		33 - 22 51 + 49
2055 2055 2060	55.00 0.20 2.40	55.00 0.20 2.40	55.00/*45.80A 0.30/0.10A 4.20B/2.10	74.30B/*45.80A 0.30/0.10A 4.20B/1.10A		53.50 NEW 0.10 UNCH 2.50 + 1.50	.9992 .0007 .1269			1 4 17		$ \begin{array}{rrr} 1 + & 1 \\ 38 + & 1 \\ 29 + & 12 \end{array} $
2060 2060 2065	0.20 61.10 2.90	0.20 61.10 2.90	0.20/0.20 61.10/*50.70A 3.40B/2.90	0.20/0.10A 79.30B/*50.70A 3.40B/0.90A		0.10 UNCH 58.50 NEW 2.00 + 1.20	.0002 .9998 .1023			1 1 11		115 UNCH 1 + 1 13 + 9
2065 2065	71.20 1.90	71.20 1.90	71.20/*55.60A 2.80/1.90	0.10B/0.10A 84.30B/*55.60A 2.80/0.80A		0.10 UNCH 63.50 NEW	.0000 1.0000 .0856			1 51		$egin{array}{cccc} 14 & { t UNCH} \ 1 & 1 \end{array}$
2070 2070 2070			/*60.60A	0.10B/0.10A 89.30B/*60.60A		0.10 UNCH 68.50 - 21.30	.0000 1.0000					50 UNCH 2 UNCH
2075 2075 2080	0.10 1.70	0.10 1.70	2.30B/ 0.10/0.10 1.80B/1.20	2.30B/0.60A 0.10/0.10 1.80B/0.50A		1.40 + 0.90 0.10 UNCH 1.10 + 0.60	.0701 .0000 .0554			51 12		55 UNCH 50 + 48 37 + 6
2080 2080 2085	0.10 0.90	0.10 0.90	0.10/0.10 /*70.60A 1.50B/0.90	0.10/0.10 99.30B/*70.60A 1.50B/0.50A		0.10 UNCH 78.50 - 21.30 1.00 + 0.60	1.0000 .0487			 8		55 UNCH 1 UNCH 15 + 8
2085 2085			/*56.90A	/0.10A 84.50B/*56.90A		0.10 UNCH 64.10 - 20.80	.9511					1 UNCH 1 UNCH
2090 2090 2090	0.10	0.10	1.20B/ 0.10/0.10 /*80.60A	1.20B/0.40A 0.10/0.10 109.30B/*80.60A		0.80 + 0.50 0.10 UNCH 88.50 - 21.30	.0389 1.0000			40		2 UNCH 43 + 40 1 UNCH
2095 2095 2100			1.00B/ 0.80B/	1.00B/0.40A /0.10A 0.80B/0.40A		0.70 + 0.40 0.10 UNCH 0.60 + 0.30	.0332					30 UNCH 52 UNCH 2 UNCH
2100 2100	0.10	 0.10	/*90.50A 0.10/0.10	/0.10A 119.20B/*90.50A 0.10/0.10		0.10 UNCH 98.50 NEW 0.10 UNCH	1.0000			1 40		40 UNCH 1 + 1 44 + 27
2105 2110 2115				/0.10A /0.10A		0.10 UNCH 0.10 UNCH						29 UNCH 6 UNCH
2120 2120 2125			0.40B/ /*95.70A	0.40B/0.30A /0.10A 124.20B/*95.70A		0.40 + 0.20 0.10 UNCH 103.50 - 21.20	.0168 .9837					1 UNCH 2 UNCH 1 UNCH
2135 2135 2140	0.30	 0.30	/*105.60A 0.30/0.30	/0.10A 134.20B/*105.60A 0.30/0.20A		0.10 UNCH 113.40 - 21.30 0.30 NEW	.9882 .0113			 5		20 UNCH 1 UNCH 5 + 5
2140 2150				/0.10A /0.10A		0.10 UNCH 0.10 UNCH						1 UNCH 1 UNCH
2150 2155 2165			/*120.50A /*135.50A	149.20B/*120.50A /0.10A 164.20B/*135.50A		128.30 - 21.30 0.10 UNCH 143.30 - 21.30	.9925 .9932					$egin{array}{lll} 1 & { t UNCH} \ 11 & { t UNCH} \ 1_{-} & { t UNCH} \end{array}$
2175 2185 2200			/145.50A /170.40A	174.20B/145.50A /0.10A 199.20B/170.40A		153.30 - 21.30 0.10 UNCH 178.20 - 21.40	.9936					0 UNCH 1 UNCH 0 UNCH
2205 2205				0.10B/0.20A /0.10A		0.10 UNCH 0.10 UNCH	.0015			10		10 + 10 4 UNCH
2210 2220 TOTAL	0.10	0.10	0.10/*0.10	0.10B/0.10A 0.10/0.10		0.10 UNCH 0.10 UNCH	.0011 .0007			8 8286		2 UNCH 38 + 8 10122 + 2415
DEC23 1805	0.30	0.30	0.30/0.30	0.30/0.20A		0.20 UNCH	.0052			18		18 + 18
1830 1845 1855	0.40	 0.40	0.30B/ 0.30B/ 0.40/0.40	0.30B/0.20A 0.30B/*0.20A 0.40/0.30A		0.20 UNCH 0.20 UNCH 0.20 NEW	.0058 .0062 .0065			 25		25 UNCH 1 UNCH 25 + 25
1865 1880			0.40B/ 0.50B/ 0.50B/*0.30A	0.40B/0.30A 0.50B/*0.30A 0.50B/*0.30A		0.20 - 0.10 0.20 - 0.10 0.20 - 0.20	.0069 .0076 .0078					14 UNCH 11 UNCH
1885 1890			0.50B/*0.30A 0.50B/*0.30A	0.50B/*0.30A 0.50B/*0.30A		0.20 - 0.20 0.20 NEW	.0078			6		3 UNCH 6 + 6

METALS OPTIONS PRODUCTS









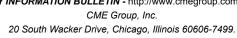
BULLET	IN #225@	METALS OPTION PRODUCTS							Tue,	Nov 21,	2023 PG64
GLOBEX OPEN	OPEN OUTCRY OPEN RANGE	GLOBEX HIGH/LOW	OPEN OUTCRY HIGH/LOW	OPEN OUTCRY CLOSE RANGE	SETT.PRICE & PT.CHGE.	DELTA	EXER CISES	OPEN OUTCRY VOLUME	GLOBEX® VOLUME	PNT VOLUME	OPEN INTEREST
GLOBEX OPEN ED 1.40 1.40 1.30 2.80 2.00 5.10 2.30 6.10 4.50 4.40 6.30 6.30 6.40 3.60 7.20 7.40 7.40	OPEN OUTCRY OPEN RANGE	HIGH/LOW VEDNESDAY OPTION WEE 0.60B/*0.30A 0.60B/*0.40A/*0.40A/*0.40A 1.40/*1.00A/*0.50A/*0.50A/*1.30A/*0.50A/*1.70A 1.30/*0.80A 2.80/*2.00A #80.50B/ 3.40/*2.70A #75.70B/ 2.00/*1.30A 5.10/*3.20A 2.30/*1.50A 6.10/*3.70A 4.50/*1.80A 6.30/*5.20A #55.50B/33.30A 6.40/*6.10A #52.70B/29.20A 3.60/*3.20A/*8.30A/*8.30A/*8.30A/*8.30A 44.20B/24.70A #40.30B/20.30A 7.40/*5.90A #40.70B/22.20A/*1.10A #48.60B/21.70A	OPEN OUTCRY HIGH/LOW 1K1 0.60B/*0.30A 0.60B/*0.40A 0.70B/*0.40A 0.70B/*0.40A 1.70B/*1.00A 1.70B/*1.20A 1.00B/*0.50A 1.40B/*1.30A 1.10B/*0.60A 1.30B/*0.70A 3.40B/*1.70A 1.70B/*0.80A 4.10B/*2.00A 4.80B/*2.00A 4.80B/*2.10A 4.70B/*1.30A 6.50B/51.70A 5.80B/*2.70A 3.10B/*1.30A 6.80B/*3.50A 5.80B/*2.70A 8.80B/*1.50A 8.80B/*1.50A 8.80B/*1.50A 8.80B/*1.50A 8.00B/*3.20A 1.70B/*6.10A 5.80B/*2.20A 1.70B/*6.10A 5.80B/*2.20A 4.70B/*1.80A 9.40B/*4.40 6.80B/*3.20A 4.70B/*1.80A 9.40B/*4.40 6.80B/*3.20A 4.70B/*1.80A 9.40B/*4.90 6.50B/\$3.70A 4.70B/*1.80A 9.40B/*4.90 6.50B/\$3.20A 4.70B/*5.20A 4.70B/*5.20A 4.70B/*8.30A 12.70B/*6.10A 7.10B/*5.20A 4.60B/*3.20A 4.60B/*3.20A 4.60B/*3.20A 4.60B/*5.20A 4.70B/*6.10A 7.10B/*6.10A 7.10B/*6.10A 7.10B/*6.20A 8.60B/*3.20A 4.60B/*7.10A	OPEN OUTCRY	SETT.PRICE & PT.CHGE. 0.30 - 0.10 0.30 - 0.20 0.40 - 0.30 0.40 - 0.40 1.10 - 0.90 1.20 - 1.20 0.60 - 0.50 1.40 - 1.40 0.70 - 0.60 0.80 - 0.80 1.90 - 1.90 0.90 - 1.00 2.30 New 72.90 + 19.70 1.20 - 1.70 69.80 + 18.30 3.10 New 68.10 + 19.30 1.40 - 2.10 3.70 - 3.60 1.70 - 2.60 4.40 New 2.10 - 3.10 5.10 New 54.30 + 17.60 2.60 - 3.70 6.10 - 5.40 4.9.90 + 16.90 3.20 - 4.40 48.80 + 15.10 7.10 - 6.20 45.60 + 16.10 3.90 - 5.30 8.30 - 7.00 41.50 + 15.20 4.80 - 6.10 9.70 - 7.70 5.80 - 7.70 5.80 - 7.10 38.80 + 12.90 33.80 + 13.20 7.10 - 8.10 34.70 + 12.10 133.00 - 9.20 30.30 + 12.10	.0117 .0121 .0164 .0170 .0399 .0441 .0253 .0511 .0297 .0343 .0684 .0392 .9466 .0531 .8927 .1068 .9374 .0623 .1244 .0749 .1441 .0910 .1641 .8893 .1103 .1893 .1103 .1893 .1103 .1893		OUTCRY	GLOBEX® VOLUME 11 2 10 25 17 10 25 17 10 25 17 10 25 17 10 25 2 17 10 25 2 17 10 25 2 17 10 25 2 20	PNT	38 UNCH 11 UNCH 29 UNCH 17 UNCH 4 UNCH 18 + 11 15 UNCH 17 UNCH 17 UNCH 17 UNCH 17 UNCH 17 UNCH 17 + 2 12 - 4 25 + 25 1 UNCH 17 UNCH 17 + 17 1 UNCH 17 + 17 1 UNCH 15 + 10 12 + 1 1 UNCH 15 1 UNCH 15 - 1 1 UNCH 15 - 1 1 UNCH 16 - 1 1 UNCH 17 - 1 1 UNCH 18 UNCH 19 UNCH 11 UNCH 11 UNCH 11 UNCH 12 - 1 1 UNCH 14 UNCH 15 UNCH 16 - 1 1 UNCH 17 UNCH 18 UNCH 19 UNCH 19 UNCH 19 UNCH 19 UNCH 11 UNCH 19 UNCH 11 UNCH 11 UNCH 11 UNCH 12 UNCH 11 UNCH 12 UNCH 13 UNCH 14 UNCH 15 UNCH 16 UNCH 17 UNCH 18 UNCH 19 UNCH 19 UNCH 10 UNCH 11 UNCH 11 UNCH 12 UNCH 13 UNCH 14 UNCH 15 UNCH 15 UNCH 16 UNCH 17 UNCH 18 UNCH 19 UNCH 10 UNCH 11 UNCH 11 UNCH 12 UNCH 13 UNCH 14 UNCH 15 UNCH 15 UNCH 16 UNCH
28.50 19.60 17.10 18.20 26.90 18.30 15.20 16.00 19.90 1 13.90 7.30 8.00 7.30 8.00 5.30 5.40 6.90 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.5		#36. 60B/17.70A/*7.10A/*7.10A/*7.10A/*8.50A -33.00B/15.50A/*8.50A 331.40B/17.90A #29.70B/13.50A 17.10/*10.20A #31.40B/16.00A #36.50B/11.60A #28.60B/14.20A #28.60B/14.20A #28.60B/14.20A #28.60B/14.20A #21.00B/8.70A 19.90/*16.60A #23.70B/11.30A #18.60B/7.40A/*21.60A #23.70B/11.30A #18.60B/7.40A/*26.90A #15.30B/8.70A 11.30B/8.70A #11.30B/8.70A #11.50B/5.40A #11.50B/5.40A #11.00B/5.30 #15.70B/7.00A #11.00B/5.30 #15.70B/7.00A #11.00B/5.30 #15.70B/7.00A #11.00B/5.30 #5.50B/3.30 #1.00B/5.40A #8.30B/5.40 #12.60B/5.40A #8.30B/5.40 #12.60B/5.40A #8.30B/5.40 #12.60B/5.30B/5.30B/5.30B/5.30B/5.40A #10.30B/4.50A #8.30B/5.40A #11.30B/4.50 #6.60B/6.10 #5.30B/3.30 #5.50B/3.30 #5.50B/3.30A #7.40B/6.80 #4.20B/7.70 #4.20B/ #2.70B/									
GLOBEX OPEN	OPEN OUTCRY OPEN RANGE	GLOBEX HIGH/LOW	OPEN OUTCRY HIGH/LOW	OPEN OUTCRY CLOSE RANGE	SETT.PRICE & PT.CHGE.	DELTA	EXER CISES	OPEN OUTCRY VOLUME	GLOBEX® VOLUME	PNT VOLUME	OPEN INTEREST
					1480.30 UNCH 0.00 UNCH 70.30 UNCH 60.30 UNCH 55.30 UNCH 55.30 UNCH 45.30 UNCH 45.30 UNCH 35.30 UNCH 35.30 UNCH 0.00 UNCH 25.30 UNCH 0.00 UNCH 25.30 UNCH 0.00 UNCH 15.30 UNCH 0.00 UNCH 16.30 UNCH 0.00 UNCH 17.30 UNCH 0.00 UNCH 0.00 UNCH 18.30 UNCH 0.00 UNCH						0 UNCH
	GLOBEX OPEN ED	OPEN OPEN RANGE ED GOLD WEEKLY W	GLOBEX OPEN OUTCRY OPEN RANGE HIGH/LOW OPEN RA	GLOBEX OPEN OFFEN NANCE GOLD WEEKLY WEDNESDAY OPTION WEEKL	GUBEX OPEN OUTCRY OF HEAVIST PRICE OF STATE OF S	TOPEN OFFEN CONTENUE HIGH/COM PRINT STORY CASE EXPOSE COLD WEEKLY WIDMESDAY OFFTON WEEKLY COLD WEEKLY WIDMESDAY OFFTON WEEKLY 1.40	### CASHA PRINTER ### CASHA PRI	### CASES CA	Company Comp	Care Care	## CASE OF STATES CASE MARCH CASE MARCH CASE SALE CASE C

METALS OPTIONS PRODUCTS

Side 26





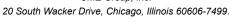




PG64	BULLET	IN #225@		M	ETALS OPTIO	N PRODUCTS				Tue,	Nov 21,	2023	PG64
	GLOBEX	OPEN OUTCRY	GLOBEX	OPEN OUTCRY	OPEN OUTCRY	SETT.PRICE			OPEN				
	OPEN	OPEN RANGE	HIGH/LOW	HIGH/LOW	CLOSE RANGE	& PT.CHGE.	DELTA	EXER CISES	OUTCRY VOLUME	GLOBEX [®] VOLUME	VOLUME	INT	OPEN EREST
GMW MOV23			ONDAY OPTION WEEK3										
2020 2025						0.00 UNCH 0.00 UNCH						0	UNCH
2025 2030 2030						44.70 UNCH 0.00 UNCH 49.70 UNCH						0 0 0	UNCH UNCH UNCH
2035 2040						54.70 UNCH 59.70 UNCH						0	UNCH
2055 2065						74.70 UNCH 84.70 UNCH						0	UNCH
2105 2110						124.70 UNCH 129.70 UNCH						0	UNCH UNCH
2400 2400 TOTAL						0.00 UNCH 419.70 UNCH						0 0 0	UNCH UNCH 0
DEC23 1760			#0.20B/	0.20B/0.20A		0.10 UNCH	.0021					2	UNCH
1785 1790 1795			0.20B/ 0.20B/ #0.20B/	0.20B/*0.10A 0.20B/0.20A 0.20B/0.20A		0.10 UNCH 0.10 UNCH 0.10 UNCH	.0009 .0011 .0014					3 32 39	UNCH UNCH UNCH
1800 1800			0.20B/ #229.70B/	0.20B/0.20A 0.20B/0.20A #229.70B/200.90A		0.10 UNCH 221.80 + 21.40	.0014					20	UNCH
1800 1800			0.30B/ /*0.20A	0.30B/*0.20A 0.30B/*0.20A		0.20 UNCH 0.20 - 0.10	.0053 .0056					1	UNCH UNCH
1810 1820	0.30	0.30	0.30/*0.30	0.20B/0.20A 0.30/0.30		0.10 - 0.10 0.20 UNCH	.0028			13		1 13 +	UNCH 13
1825 1825 1830	0.30	0.30	0.30/0.30	0.20B/0.20A 0.30/0.30 0.20B/0.20A		0.20 UNCH 0.20 UNCH 0.20 UNCH	.0054 .0060 .0056			46 1		3 46 + 12	UNCH 46 UNCH
1830 1830	0.40 0.40	0.40 0.40	0.40/0.40 #0.50B/*0.30A	0.40/0.30A 0.50B/*0.30A		0.20 UNCH 0.20 NEW	.0061			25 13		25 + 13 +	25 13
1835 1840			0.40B/	0.20B/0.20A 0.40B/0.30A		0.20 UNCH 0.20 - 0.10	.0057 .0064					19 4	UNCH UNCH
1845 1845	0.40	0.40	0.30B/ 0.40/0.40	0.30B/0.20A 0.40/0.30A		0.20 UNCH 0.20 NEW	.0060			1 12		1 + 12 +	12
1850 1850 1850			0.30B/ 0.40B/ #179.70B/	0.30B/0.20A 0.40B/*0.30A #179.70B/151.00A		0.20 UNCH 0.30 UNCH 171.90 + 21.40	.0062 .0094 .9906					6 3 2	UNCH UNCH UNCH
1860 1860			0.30B/ 0.50B/	0.30B/0.20A 0.50B/*0.30A		0.20 UNCH 0.30 UNCH	.0065					26 1	UNCH
1865 1870	0.30	0.30	0.50/*0.30 0.40B/	0.50/*0.30 0.40B/*0.20A		0.30 - 0.10 0.20 UNCH	.0102 .0069			73 		74 + 5	73 UNCH
1870 1870			0.60B/ 0.90B/*0.50A	0.60B/*0.40A 0.90B/*0.50A		0.30 - 0.10 0.40 - 0.30	.0105			1		1 0 -	UNCH 1
1875 1875 1875			154.80B/ 0.40B/ #154.80B/	154.80B/126.00A 0.40B/*0.20A #154.80B/126.10A		146.90 + 21.40 0.20 UNCH 146.90 + 21.30	.9929 .0071 .9892					1 2 3	UNCH UNCH UNCH
1875 1880			0.90B/*0.50A 0.40B/*0.20A	0.90B/*0.50A 0.40B/*0.20A		0.50 - 0.30 0.20 - 0.10	.0168			4		255 1	UNCH
1885 1885			0.40B/ 0.70B/*0.40A	0.40B/0.30A 0.70B/*0.40A		0.20 - 0.10 0.30 - 0.20	.0076 .0114					1 1	UNCH UNCH
1885 1885			/*0.60A #144.10B/	1.10B/*0.60A #144.10B/116.80A		0.60 - 0.50 137.00 + 21.30	.0204					1 2	UNCH
1890 1890 1890			139.80B/ 0.50B/ 0.80B/*0.40A	139.80B/111.00A 0.50B/*0.30A 0.80B/*0.40A		131.90 + 21.30 0.20 - 0.10 0.40 - 0.20	.9922 .0078 .0149					1 2 5	UNCH UNCH UNCH
1890 1895			#139.20B/ 0.50B/	#139.20B/111.90A 0.50B/*0.30A		132.00 + 21.20 0.20 - 0.10	.9850					2 11	UNCH
1895 1900			0.80B/*0.50A 129.80B/	0.80B/*0.50A 129.80B/101.10A		0.40 - 0.30 $121.90 + 21.30$.0154 .9882					45 1	UNCH UNCH
1900 1900	0.80	0.80	0.50B/*0.30A 0.90B/*0.50A /*0.80A	0.50B/*0.30A 0.90B/*0.50A 1.40B/*0.80A		0.30 - 0.10 0.50 - 0.30 0.90 - 0.70	.0117 .0189 .0305			1		10 12 54	UNCH
1900 1905 1905			0.60B/*0.30A 1.00B/*0.60A	0.60B/*0.30A 1.00B/*0.60A		0.30 - 0.70 0.30 - 0.10 0.50 - 0.40	.0122					3 19	UNCH UNCH UNCH
1905 1905			#124.30B/ /*0.90A	#124.30B/97.20A 1.60B/*0.90A		117.10 + 21.00 1.00 - 0.90	.9802					3 1	UNCH
1910 1910			0.60B/*0.30A /*0.60A	0.60B/*0.30A 1.00B/*0.60A		0.30 - 0.20 0.60 - 0.50	.0126 .0234					8	UNCH
1910 1910 1915	1.40	1.40	1.40/*1.10A #119.40B/ 0.70B/*0.40A	1.80B/*1.10A #119.40B/92.40A 0.70B/*0.40A		1.20 - 0.90 112.20 + 20.90 0.30 - 0.20	.0401 .9764 .0131			1 		201 + 2 6	1 UNCH UNCH
1915 1915 1915	0.80	0.80	0.80/*0.70A #114.40B/	1.10B/*0.70A #114.40B/87.50A		0.70 - 0.60 107.30 + 20.80	.0273			14		37 + 1	14 UNCH
1920 1920	1.00	1.00	0.70B/*0.40A 1.00/*0.80A	0.70B/*0.40A 1.30B/*0.80A		0.40 - 0.20 0.80 - 0.70	.0173 .0313			2 21		402 + 33	1 UNCH
1920 1925	2.20	2.20	2.20/*1.40 /*0.40A 1.10/*0.90A	2.50B/*1.40 0.80B/*0.40A		1.50 - 1.30 0.40 - 0.40 0.90 - 0.90	.0504			14 		19 + 12	12 UNCH
1925 1925 1930	1.10	1.10	1.10/~0.90A /*1.60A /*0.50A	1.50B/*0.90A 2.90B/*1.60A 0.90B/*0.50A		0.90 - 0.90 1.80 - 1.50 0.50 - 0.40	.0355 .0592 .0224			1 		8 + 1 17	1 UNCH UNCH
1930 1930			/*1.60A /*0.50A /*1.00A /*1.80A 1.00/*0.50A	1.80B/*1.00A 3.40B/*1.80A		1.00 - 1.10 2.10 - 1.70	.0399			 1		15 46	UNCH
1935 1935	1.00	1.00	1.00/*0.50A /*1.10A 3.10/*2.10A	1.00/*0.50A 2.20B/*1.10A		0.50 - 0.60 1.20 - 1.30	.0235 .0474			11		12 + 19	11 UNCH
1935 1940	2.60 1.10	2.60 1.10	1.10/*0.60A	4.00B/*2.10A 1.20B/*0.60A		2.40 - 2.00 0.60 - 0.80 1.40 - 1.60	.0774			28 11		30 + 18 +	
1940 1940 1940	2.00	2.00 2.50	2.00/*1.30A 2.50/*2.40A #90.10B/	2.60B/*1.30A 4.70B/*2.40A #90.10B/63.50A		1.40 - 1.60 2.80 - 2.30 83.10 + 19.90	.0552 .0888 .9444			16 1 		53 + 26 + 10	
1945 1945	1.50	1.50	1.50/*0.70A #86.70B/	1.50/*0.70A #86.70B/61.30A		0.70 - 1.00 $79.80 + 18.70$.0335 .8989			4 		40 - 1	2 UNCH
1945 1945	1.80	1.80	1.80/*1.50A #85.30B/	3.10B/*1.50A #85.30B/59.00A		1.70 - 1.80 78.30 + 19.50	.0659					22 - 1	UNCH
1945 1950	3.90 1.30	3.90 1.30	3.90/*2.80A 1.30/*0.80A 80.30B/	5.50B/*2.80A 1.80B/*0.80A 80.30B/52.70A		3.20 NEW 0.80 - 1.30 72.50 + 20.10	.1005 .0389 .9608			1 17 		1 + 30 + 10	1 10 UNCH
1950 1950 1950			/*1.70A #81.20B/	3.80B/*1.70A #81.20B/54.70A		2.00 - 2.20 73.60 + 19.10	.9769			1		22 - 1	UNCH UNCH
1950 1955	4.60	4.60	4.60/*3.20A /*0.90A /*2.00A	6.40B/*3.20A 2.30B/*0.90A		3.70 - 3.10 1.00 - 1.60	.1144 .0484			1		67 31	UNCH UNCH
1955 1955	5.00	5.00	5.00/*3.80A	4.60B/*2.00A 7.40B/*3.80A #75.90B/50.50A		2.40 - 2.60 4.30 - 3.60 69.00 + 18.70	.0907			1 1 		29 14 - 1	UNCH
1955 1960 1960			#75.90B/ 70.60B/ /*1.10A	#75.90B/50.50A 70.60B/43.80A 2.90B/*1.10A		62.90 + 19.30 1.20 - 2.10	.9088 .9414 .0583			1		16 12	UNCH UNCH UNCH
1960 1960			/*1.10A /*2.40A #71.30B/	5.50B/*2.40A #71.30B/46.40A		2.80 - 3.20 64.50 + 18.20	.1050					15 8	UNCH
1960 1965	6.10	6.10	6.10/*4.40A /*1.30A	8.60B/*4.40A 3.60B/*1.30A		5.00 - 4.10 1.40 - 2.70	.1482 .0688					30 - 24	1 UNCH
1965 1965	4.80	4.80	65.80B/ 4.80/*2.80A #69.50B/	65.80B/39.60A 6.60B/*2.80A #69.50B/45.90A		58.10 + 18.70 3.40 - 3.70 62.50 + 16.70	.9308 .1241 .8301			3		24 18 1	UNCH
1965 1965 1965	6.30	6.30	7.10/*5.10A #67.30B/	9.90B/*5.10A #67.30B/42.60A		5.90 - 4.60 60.00 + 17.60	.1693			6		19 - 45	UNCH 2 UNCH
1970 1970			/*1.60A /*3.40A	4.60B/*1.60A 7.90B/*3.40A		1.80 - 3.30 4.00 - 4.40	.0866					22	UNCH
1970 1970			61.10B/ #62.80B/	61.10B/35.60A #62.80B/38.80A		53.50 + 18.10 55.70 + 17.00	.9130 .8559					2 6 7	UNCH UNCH
1970 1975	8.90 2.50	8.90 2.50	8.90/*5.90A 2.50/*1.90A #61.20B/38.70A	11.40B/*5.90A 5.80B/*1.90A #61.20B/38.70A		6.80 - 5.20 2.30 - 4.00 54.50 + 15.50	.1904 .1080 .7861			19 10		23 + 9 - 1	14 10 UNCH
1975 1975 1975			#61.20B/38.70A 56.40B/ /*4.00A	56.40B/31.80A 9.30B/*4.00A		49.00 + 17.40 4.80 - 5.10	.7861 .8917 .1674			 4		14 4	UNCH UNCH UNCH
1975 1975	11.00	11.00	11.00/*6.80A #58.50B/	13.10B/*6.80A #58.50B/35.30A		7.80 - 5.90 51.50 + 16.30	.2132 .8321			3		18 + 6	3 UNCH
1980 1980	4.00 37.90	4.00 37.90	4.00/*2.40A #57.30B/35.50A	7.20B/*2.40A #57.30B/35.50A		2.90 - 4.80 50.70 + 14.80	.1328 .7608			2		18 13 +	UNCH 3
1980 1980 1980	5.30	5.30	5.30/*4.80 51.80B/27.80A #54.30B/31.60A	11.00B/*4.80 51.80B/27.80A #54.30B/31.60A		5.70 - 5.90 44.60 + 16.60 47.40 + 15.50	.1933 .8668 .8061			 		91 39 6	UNCH UNCH UNCH
1980 1985	10.10	10.10	10.10/*7.90A 47.40B/24.50A	14.90B/*7.90A 47.40B/24.50A		9.00 - 6.60 40.40 + 15.70	.2385 .8362			4		10 + 6	4 UNCH
1985 1985	4.30	4.30	4.30/*2.90A #50.20B/28.50A	8.90B/*2.90A #50.20B/28.50A		3.70 - 5.60 43.50 + 14.70	.1634 .7767			1		19 - 1	1 UNCH
1985 1985			/*5.70A #53.50B/32.50A	12.90B/*5.70A #53.50B/32.50A		6.80 - 6.70 47.00 + 14.00	.2228 .7333			4		12 19 +	UNCH 4

METALS OPTIONS PRODUCTS









PG64 BULLE	TIN #225@		M	ETALS OPTIO					Tue,	Nov 21	, 2023 PG64
GLOBEX OPEN	OPEN OUTCRY OPEN RANGE	GLOBEX HIGH/LOW	OPEN OUTCRY HIGH/LOW	OPEN OUTCRY CLOSE RANGE	SETT.PRICE & PT.CHGE.	DELTA	EXER CISES	OPEN OUTCRY VOLUME	GLOBEX® VOLUME		OPEN INTEREST
GMW MON DEC23 1985 10.30	GOLD WEEKLY M	ONDAY OPTION WEEK3	16.90B/*9.10A		10.40 - 7.20	.2659			8		5 + 4
1983 10.30 1990 3.60 1990 1990	3.60	3.60/*3.60 43.10B/21.40A /*6.80A	10.80B/*3.60 43.10B/21.40A 15.00B/*6.80A		4.50 - 6.80 36.30 + 14.70 8.10 - 7.40	.1947 .8049 .2551			2 		13 - 2 29 UNCH 14 UNCH
1990 1990 16.20 1990	16.20	#49.90B/29.70A 16.20/*10.40 #46.30B/25.60A	#49.90B/29.70A 19.00B/*10.40 #46.30B/25.60A		43.60 + 13.40 11.90 - 7.90 39.80 + 13.90	.7050 .2943 .7444			 9 		23 UNCH 17 + 5 28 UNCH
1995 5.00 1995 1995 28.00	5.00 28.00	5.00/*4.50A /*8.10A 39.00B/18.60A	13.00B/*4.50A 17.20B/*8.10A 39.00B/18.60A		5.60 NEW 9.50 - 8.30 32.40 + 13.60	.2332 .2887 .7664			<u>9</u> 1		8 + 8 5 UNCH 4 + 1
1995 35.10 1995 15.60 1995	35.10 15.60	#46.30B/27.10A 15.60/*11.90A #42.50B/22.90A	#46.30B/27.10A 21.40B/*11.90A #42.50B/22.90A		40.20 + 12.70 13.50 NEW 36.20 + 13.00	.6758 .3234 .7107			2 5 		16 + 2 5 + 5 2 UNCH
2000 11.00 2000 34.40 2000 29.30	11.00 34.40 29.30	11.00/*5.60A #43.00B/24.60A 35.10B/16.10A	15.50B/*5.60A #43.00B/24.60A 35.10B/16.10A		7.00 - 8.90 37.10 + 12.10 28.70 + 12.40	.2773 .6453 .7223			51 16 5 2	150 	151 + 142 18 + 15 2 - 4
2000 15.30 2000 26.00 2005 7.90 2005 25.30	15.30 26.00 7.90 25.30	15.30/*13.60A #39.00B/20.40A 8.80/*7.00A 31.50B/13.90A	23.90B/*13.60A #39.00B/20.40A 18.20B/*7.00A 31.50B/13.90A		15.30 - 9.30 32.90 + 12.20 8.60 - 10.00 25.40 + 11.40	.3540 .6749 .3241 .6755			12 22 1		4 + 2 32 - 8 17 + 16 14 - 1
2005 2005 2005 35.50	35.50	#35.60B/18.20A /*11.10A #39.80B/22.30A	#35.60B/18.20A 22.50B/*11.10A #39.80B/22.30A		29.80 + 11.30 13.00 - 10.10 34.10 + 11.40	.6367 .3627 .6138			 211		111 UNCH 12 UNCH 204 + 190
2010 22.80 2010 10.00 2010	22.80 10.00	28.00B/11.90A 10.50/*8.50A /*12.90A	28.00B/11.90A 21.20B/*8.50A 25.40B/*12.90A		22.30 + 10.30 10.50 NEW 15.10 - 10.90	.6255 .3741 .4018			2 9		18 - 2 8 + 8 2 UNCH
2010 24.00 2010 2015 13.40	24.00 13.40	24.00/*17.30A #32.40B/16.10A 13.40/*10.30A	29.50B/*17.30A #32.40B/16.10A 24.10B/*10.30A		19.50 - 10.70 26.80 + 10.40 12.60 - 12.20	.4176 .5977 .4253			14 3		17 + 7 10 UNCH 5 + 3
2015 19.00 2015 2015 27.60	19.00 27.60	24.80B/10.10A #33.90B/18.30A 27.60/*19.50A	24.80B/10.10A #33.90B/18.30A 32.50B/*19.50A		19.40 + 9.10 28.60 NEW 21.80 NEW	.5743 .5495 .4497			2 2 1		23 + 2 2 + 2 1 + 1
2015 24.50 2020 15.20 2020	24.50 15.20 	#29.40B/14.20A 15.20/*12.40A /*17.10A	#29.40B/14.20A 27.60B/*12.40A 31.50B/*17.10A		24.10 + 9.60 15.10 NEW 19.80 - 12.50	.5585 .4774 .4805			3 11 		17 + 3 11 + 11 8 UNCH
2020 11.80 2020 2020 31.40	11.80 31.40	21.90B/8.60A #26.60B/12.50A #31.40/16.50A	21.90B/8.60A #26.60B/12.50A #31.40/16.50A		16.90 + 8.20 21.60 + 8.80 26.10 + 9.30	.5222 .5189 .5173			1 5		5 + 1 15 UNCH 18 + 5
2020 27.90 2025 2025 18.10	27.90 18.10	27.90/*21.80A /*14.70A 19.20B/7.20A	35.70B/*21.80A 31.20B/*14.70A 19.20B/7.20A		24.40 NEW 17.70 - 14.20 14.50 + 7.10	.4820 .5289 .4707			6 4		6 + 6 3 UNCH 52 + 1
2025 2025 21.00 2025	21.00	#24.00B/11.00A 21.00/*19.50A #28.70B/14.90A	#24.00B/11.00A 35.00B/*19.50A #28.70B/14.90A		19.30 + 8.00 22.50 NEW 23.80 + 8.60	.4797 .5197 .4853			9		14 UNCH 9 + 9 4 UNCH
2030 27.40 2030 2030 12.00	27.40 12.00 16.60	27.70/*17.20A #26.30B/13.40A 16.70B/6.10A #21.60B/9.70A	35.10B/*17.20A #26.30B/13.40A 16.70B/6.10A #21.60B/9.70A		20.70 - 15.00 $21.70 + 8.00$ $12.50 + 6.30$ $17.20 + 7.30$.5786 .4540 .4210 .4415			6 36 11 3		8 + 4 36 + 35 21 + 7 12 - 3
2030 16.60 2030 28.90 2035 2035	28.90	29.00/*26.80A 14.50B/5.10A /*20.00A	42.30B/*26.80A 14.50B/5.10A 39.10B/*20.00A		29.90 NEW 10.70 + 5.50 23.90 - 15.80	.5452 .3735 .6261			150 1 1		150 + 150 136 UNCH 8 + 1
2035 2035 2040		#19.40B/8.50A #24.00B/12.00A /*23.00A	#19.40B/8.50A #24.00B/12.00A 43.30B/*23.00A		15.30 + 6.60 19.70 + 7.40 27.30 - 16.60	.4045 .4233 .6708			 20		32 UNCH 28 + 20 1 UNCH
2040 12.00 2040 2040 14.30	12.00 14.30	12.60B/12.00 #22.00B/10.80A #17.40B/7.50A	12.60B/4.30A #22.00B/10.80A #17.40B/7.50A		9.10 + 4.80 17.90 + 6.90 13.60 + 6.00	.3288 .3938 .3692			2 1 6		54 + 2 1 UNCH 59 UNCH
2045 2045 2045		/*26.30A 10.80B/ #20.00B/9.80A	47.60B/*26.30A 10.80B/3.70A #20.00B/9.80A		30.90 - 17.30 7.70 + 4.10 16.30 + 6.40	.7124 .2872 .3656					1 UNCH 21 UNCH 10 UNCH
2045 14.80 2050 2050 3.70	14.80 3.70	#15.50B/14.80 /*34.20A 9.30B/3.70	#15.50B/6.60A 54.60B/*34.20A 9.30B/3.10A		12.00 + 5.40 38.70 - 16.60 6.60 + 3.60	.3352 .6960 .2509			1 14		49 + 1 1 UNCH 93 - 7
2050 2050 2055		#18.20B/8.80A #13.80B/5.70A /*33.40A	#18.20B/8.80A #13.80B/5.70A 56.60B/*33.40A		14.70 + 5.80 $10.60 + 4.80$ $38.70 - 18.40$.3380 .3034 .7821					47 UNCH 376 UNCH 1 UNCH
2055 4.90 2055 2055	4.90 	8.00B/3.90 #16.60B/7.90A #12.30B/	8.00B/2.60A #16.60B/7.90A #12.30B/5.00A		5.60 + 3.10 13.30 + 5.30 9.40 + 4.40	.2175 .3120 .2743			17 11 		28 + 10 20 + 9 36 UNCH
2060 4.60 2060 11.00 2060	4.60 11.00 	6.80B/4.60 #15.10B/7.10A #10.90B/	6.80B/2.20A #15.10B/7.10A #10.90B/4.40A		4.70 + 2.60 $12.00 + 4.80$ $8.30 + 3.90$.1868 .2872 .2470			4 20 5		43 UNCH 22 + 12 21 UNCH
2065 2.00 2065 7.90 2065	2.00 7.90	5.80B/2.00 #13.70B/6.40A #9.70B/	5.80B/1.90A #13.70B/6.40A #9.70B/3.90A		4.00 + 2.20 10.90 NEW 7.30 + 3.50	.1611 .2647 .2215			4 19 		26 - 2 18 + 18 14 UNCH
2070 2070 4.70 2070 7.40	4.70 7.40	/*45.30A 5.00B/3.40 #12.40B/7.40	70.50B/*45.30A 5.00B/1.60A #12.40B/5.80A		51.50 - 19.50 3.40 + 1.90 9.80 + 4.00	.8611 .1385 .2425			16 2		1 UNCH 11 + 10 4 + 1
2070 5.40 2075 3.10 2075 8.10	5.40 3.10 8.10	#8.60B/5.40 4.30B/3.00 #11.30B/8.10	#8.60B/3.40A 4.30B/1.40A #11.30B/5.20A		6.40 + 3.00 2.90 + 1.60 8.90 + 3.70	.1980 .1191 .2229			1 45 2		25 + 1 86 + 13 24 UNCH
2075 2080 3.30 2080 7.90 2080 4.90	3.30 7.90 4.90	#7.60B/ 3.60B/3.30 #10.20B/7.20	#7.60B/3.00A 3.60B/1.20A #10.20B/4.70A		5.60 + 2.60 2.50 + 1.40 8.00 + 3.30 5.00 + 2.40	.1764 .1029 .2036			1 5 3		3 UNCH 17 UNCH 15 + 3 2 + 1
2080 4.90 2085 2.20 2085 2085 3.90	2.20 3.90	#6.70B/4.90 3.10B/2.20 #9.30B/ #6.00B/3.90	#6.70B/2.70A 3.10B/1.10A #9.30B/4.20A #6.00B/2.40A		2.10 + 1.20 7.20 + 3.00 4.40 + 2.10	.1586 .0874 .1859 .1413			1 14		359 UNCH 12 UNCH 14 + 11
2090 2090 5.00 2090 5.20	5.00 5.20	2.60B/ #8.40B/5.00 #5.30B/5.20	2.60B/0.90A #8.40B/3.80A #5.30B/2.10A		$ \begin{array}{r} 1.80 + 1.00 \\ 6.50 + 2.70 \\ 3.90 + 1.90 \end{array} $.0751 .1698 .1263			 9 3		4 UNCH 43 + 8 13 + 3
2095 2.10 2095 4.40 2095 2.10	2.10 4.40 2.10	2.20B/2.10 #7.70B/4.40 #4.70B/2.10	2.20B/0.80A #7.70B/3.50A #4.70B/1.90A		1.60 + 0.90 5.90 + 2.50 3.40 NEW	.0661 .1555 .1116			24 16 8		26 + 24 130 + 14 4 + 4
2100 1.40 2100 2100 5.10	1.40 5.10	1.90B/1.40 4.20B/ #7.00B/5.10	1.90B/0.70A 4.20B/1.70A #7.00B/3.10A		$ \begin{array}{r} 1.40 + 0.80 \\ 3.00 + 1.40 \\ 5.30 + 2.20 \end{array} $.0575 .0993 .1414			339 13		353 - 43 1 UNCH 102 UNCH
2105 2105 3.90 2105 95.80	3.90 95.80	1.70B/ #6.30B/3.90 95.80/*81.50A	1.70B/0.70A #6.30B/2.80A 105.50B/*81.50A		1.20 + 0.70 4.80 + 2.00 87.70 NEW	.0493 .1291 .8703			27 1		12 UNCH 64 + 26 1 + 1
2110 4.10 2110 2115 5.00	4.10 5.00	#5.70B/4.10 1.40B/ #5.20B/5.00	#5.70B/2.60A 1.40B/0.60A #5.20B/2.30A		4.30 NEW 1.10 + 0.60 3.90 NEW	.1170 .0444 .1068			21 1		21 + 21 1 UNCH 1 + 1
2115 0.90 2115 2120	0.90	1.20B/0.90 2.90B/ 1.10B/	1.20B/0.50A 2.90B/1.20A 1.10B/0.50A		$\begin{array}{cccccccccccccccccccccccccccccccccccc$.0398 .0704 .0354			10 		10 + 10 9 UNCH 100 UNCH
2120 3.30 2125 3.20 2130	3.30 3.20 	#4.70B/3.30 #4.30B/3.20 0.80B/	#4.70B/2.10A #4.30B/2.00A 0.80B/0.40A		3.60 + 1.50 $3.30 + 1.40$ $0.70 + 0.40$.0985 .0904 .0272			8 2 		10 + 8 2 + 1 1 UNCH
2130 3.50 2135 2135	3.50 	#3.90B/3.50 0.70B/ #3.60B/	#3.90B/1.80A 0.70B/0.40A #3.60B/1.70A		3.00 NEW 0.70 + 0.40 2.70 + 1.10	.0826 .0263 .0749			16 		16 + 16 1 UNCH 1 UNCH
2140 2145 2145		0.60B/ 1.50B/ #2.90B/	0.60B/0.40A 1.50B/0.70A #2.90B/1.40A		$\begin{array}{c} 0.60 + 0.40 \\ 1.20 + 0.50 \\ 2.30 + 1.00 \\ 128.60 - 21.10 \end{array}$.0226 .0392 .0637					5 UNCH 1 UNCH 13 UNCH
2150 2150 2150		/*120.80A 0.50B/ /*122.80A	149.30B/120.80A 0.50B/0.30A 149.90B/*122.80A		$\begin{array}{r} 128.60 & -21.10 \\ 0.50 & +0.30 \\ 130.00 & -20.50 \\ 1.10 & +0.50 \end{array}$.9815 .0183 .9413					1 UNCH 98 UNCH 1 UNCH
2155 2160	 1.30	1.30B/ 0.50B/ 0.40B/ #2.10B/1.30	1.30B/0.70A 0.50B/0.30A 0.40B/0.30A #2.10B/1.10A		$\begin{array}{cccccccccccccccccccccccccccccccccccc$.0358 .0178 .0173 .0466					14 UNCH 1 UNCH 21 UNCH 40 + 1
2170 2170	1.30 	#1.90B/ 0.90B/ /*145_60A	#1.90B/1.10A #1.90B/1.00A 0.90B/0.50A 174.20B/145.60A		1.70 + 0.70 1.60 + 0.70 0.80 + 0.40 153.40 - 21.30	.0466 .0436 .0253 .9866			1 		1 UNCH 14 UNCH 2 UNCH
2175 2180 2180 2195		/*150.60A /*150.60A 0.30B/ 0.30B/	174.208/143.60A 179.20B/150.60A 0.30B/0.30A 0.30B/0.30A		158.40 - 21.30 158.40 - 21.30 0.40 + 0.20 0.30 + 0.10	.9869 .0130 .0095					2 UNCH 2 UNCH 1 UNCH 10 UNCH
2200 2200 2200		0.30B/ 0.30B/ /170.50A 0.60B/	0.30B/0.30A 0.30B/0.30A 199.20B/170.50A 0.60B/0.40A		$\begin{array}{c} 0.30 & + & 0.10 \\ 0.30 & + & 0.10 \\ 178.30 & - 21.30 \\ 0.50 & + & 0.20 \end{array}$.0093 .9907 .0153					62 UNCH 1 UNCH 541 UNCH
2205 2210 2210		#1.10B/ 0.50B/	#1.10B/0.70A 0.20B/0.30A 0.50B/0.40A		$\begin{array}{cccc} 1.00 & + & 0.50 \\ 0.30 & + & 0.10 \\ 0.50 & + & 0.20 \end{array}$.0265 .0089 .0146					2 UNCH 1 UNCH 17 UNCH
2220 194.60 2220 2225	194.60 	194.60/190.40A /195.40A	219.20B/190.40A 0.20B/0.20A 224.20B/195.40A		198.30 NEW 0.30 + 0.10 203.30 - 21.30	.9915 .0085 .9942			1 		1 + 1 1 UNCH 0 UNCH
THE THEODMATTO											

METALS OPTIONS PRODUCTS





PG64	BULLET	IN #225@		M	METALS OPTION PR	RODUCTS				Tue,	Nov 21,	2023 PG64
	GLOBEX OPEN	OPEN OUTCRY OPEN RANGE	GLOBEX HIGH/LOW	OPEN OUTCRY HIGH/LOW	OPEN OUTCRY CLOSE RANGE	SETT.PRICE & PT.CHGE.	DELTA	EXER CISES	OPEN OUTCRY VOLUME	GLOBEX® VOLUME	PNT VOLUME	OPEN INTEREST
GMW M		GOLD WEEKLY MO	NDAY OPTION WEEK1							1759	150	7313+ 1115
JAN24 1985 2000 2005 2010 2015 2015 2020 2025 2030 2030 2035 2045 2050 2070 2080 2080 2080 2090 2105 TOTAL	55.00 22.80 23.50 27.30 42.50 29.70 36.40 33.80 32.10 35.70 29.20 27.30 44.00 24.60 20.20 18.80 13.90 14.00 12.60 11.40	55.00 22.80 23.50 27.30 42.50 29.70 36.40 33.80 32.10 35.70 29.20 27.30 44.00 24.60 20.20 18.80 18.70 13.90 14.00 12.60 11.40	#59.50B/*52.80 #22.80/*20.50A #23.50/*22.50A #27.30/*24.60A #42.50/*42.50 #29.70/*26.90A #36.80/*33.80 #32.10/*32.10 #35.70/*34.40A #35.70/*34.40A #31.60B/*27.30 #44.00/*44.00 #24.60/*24.60 #24.00B/*20.20 #24.60/*21.80 #24.00B/*20.20 #24.60/*13.90 #16.90B/*13.90 #16.90B/*13.90 #14.70B/*13.90 #12.60/*12.60 #11.80B/*11.40	#59.50B/*46.30A #26.60B/*20.50A #29.10B/*22.50A #31.70B/*24.60A #43.90B/*32.30A #34.40B/*26.90A #41.20B/*30.00A #38.60B/*27.90A #36.10B/*25.90A #43.30B/*34.40A #33.80B/*22.30A #31.60B/*22.30A #25.80B/*43.00A #25.80B/*17.70A #24.00B/*16.40A #22.40B/*15.20A #22.40B/*15.20A #21.50B/*31.10A #25.70B/*8.30A #11.80B/*7.70A		53.60 NEW 22.70 NEW 24.90 NEW 27.20 NEW 38.90 NEW 29.60 NEW 36.40 NEW 31.70 NEW 31.70 NEW 27.60 NEW 22.30 NEW 22.30 NEW 22.30 NEW 22.30 NEW 19.30 NEW 14.30 NEW 15.60 NEW 14.30 NEW 15.60 NEW 16.60 NEW 16.70 NEW 19.90 NEW	.6843 .3851 .4094 .4338 .5650 .4582 .5406 .5162 .4921 .5304 .4683 .3787 .3578 .3380 .2494 .2346 .2066 .1934			2 3 9 2 1 3 7 2 6 6 6 2 1 5 1 3 3 3 3 10 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5		0 UNCH 3 + 9 + 9 1 + 1 3 + 3 7 + 2 + 2 6 + 6 6 + 6 2 + 1 5 + 5 1 + 1 3 + 3 3 + 3 10 + 10 5 + 5 5 + 5 5 + 5 97 + 97
	GLOBEX OPEN	OPEN OUTCRY OPEN RANGE	GLOBEX HIGH/LOW	OPEN OUTCRY HIGH/LOW	OPEN OUTCRY CLOSE RANGE	SETT.PRICE & PT.CHGE.	DELTA	EXER CISES	OPEN OUTCRY VOLUME	GLOBEX® VOLUME		OPEN INTEREST
FMG 0 NOV23 1955 1970 1980 2010 2020 TOTAL	0.50 1.60 16.00 7.00 3.40	0.50 1.60 16.00 7.00 3.40	0.50/*0.40A /*0.70A 1.60/*1.30A 30.40B/16.00 9.00B/6.00 5.30B/3.20	1.208/*0.40A 4.308/*0.70A 8.508/*1.30A 30.408/9.20A 9.008/1.80A 5.30B/1.00A	 	0.40 - 1.20 0.80 - 3.90 1.60 - 7.20 23.20 + 14.10 5.00 NEW 2.70 NEW	.0199 .0510 .1138 .8860 .3271 .1767			1 1 2 3 3 10		1 UNCH 1 UNCH 2 UNCH 6 UNCH 2 + 2 3 + 3 15 + 5
1975 1985 1995 2025 TOTAL	7.90 14.70	7.90 14.70	#49.70B/27.80A 7.90/*7.60A #18.00B/14.70	#49.70B/27.80A 16.50B/*7.60A 18.00B/6.50A		48.60 + 17.70 43.00 + 14.90 8.80 NEW 13.40 NEW	.9062 .7866 .2803 .4677			 1 1 2		1 UNCH 1 UNCH 1 + 1 1 + 1 4 + 2
	-			S	ILVER OPTIONS ON	FUTURES						
	GLOBEX OPEN	OPEN OUTCRY OPEN RANGE	GLOBEX HIGH/LOW	OPEN OUTCRY HIGH/LOW	OPEN OUTCRY CLOSE RANGE	SETT.PRICE & PT.CHGE.	DELTA	EXER CISES	OPEN OUTCRY VOLUME	GLOBEX® VOLUME	PNT VOLUME	OPEN INTEREST
SMW M		SILVER WEEKLY	MONDAY OPTION WEEK	3								
2205 2205 2250 2265 2266 2265 2266 2265 2275 2300 2305 2310 2315 2320 2335 2335 2340 2345 2345 2355 2356 2356 2366 2365 2375 2386 2365 2375 2388 2385 2390 2395 2395 2390 2400 2400 2410 2410 2410 2410 2410 241						1.614 UNCH 1.164 UNCH 1.164 UNCH 1.114 UNCH 1.064 UNCH 1.014 UNCH 0.964 UNCH 0.914 UNCH 0.764 UNCH 0.764 UNCH 0.664 UNCH 0.664 UNCH 0.664 UNCH 0.564 UNCH 0.514 UNCH 0.514 UNCH 0.514 UNCH 0.514 UNCH 0.000 UNCH 0.464 UNCH 0.000 UNCH 0.464 UNCH 0.000 UNCH 0.414 UNCH 0.000 UNCH 0.314 UNCH 0.000 UNCH 0.314 UNCH 0.000 UNCH 0.000 UNCH 0.164 UNCH 0.000 UNCH 0.000 UNCH 0.164 UNCH 0.000 UNCH 0.114 UNCH 0.000 UNCH 0.114 UNCH 0.000 UNCH 0.114 UNCH 0.000 UNCH 0.114 UNCH 0.001 UNCH 0.114 UNCH 0.001 UNCH 0.014 UNCH 0.015 UNCH 0.016 UNCH 0.017 UNCH 0.0186 UNCH 0.037 UNCH 0.0386 UNCH 0.000 UNCH 0.386 UNCH 0.000 UNCH 0.386 UNCH 0.486 UNCH 0.486 UNCH 0.586 UNCH						0 UNC+ 0
DEC23 2000 2150 2150 2150 2155 2175 2190 2295 2200 2225 2225 2240 2245 2245 2245	0.017 0.017 0.064 0.069 0.056	0.017 0.017 0.064 0.069 0.056	0.003B/ 0.046B/*0.031A/*0.008A/*0.015A 0.030B/*0.017 0.064B/*0.040A 0.043B/*0.049A 0.092B/*0.056A 0.092B/*0.015A 0.029B/*0.016A 0.111B/*0.066A 0.172B/*0.038A 0.038B/*0.019A 0.038B/*0.019A 0.049B/*0.050A	0.003B/*0.005A 0.046B/*0.031A 0.009B/*0.008A 0.024B/*0.015A 0.030B/*0.017 0.064B/*0.040A 0.043B/*0.049A 0.020B/*0.049A 0.020B/*0.056A 0.026B/*0.015A 0.029B/*0.016A 0.111B/*0.066A 0.172B/*0.038A 0.038B/*0.019A 0.048B/*0.020A 0.055B/*0.050A		0.002 UNCH 0.034 - 0.010 0.006 - 0.003 0.016 - 0.008 0.021 NEW 0.046 - 0.012 0.059 - 0.017 0.013 - 0.007 0.066 NEW 0.017 - 0.010 0.079 NEW 0.046 - 0.020 0.021 - 0.012 0.023 - 0.015 0.066 NEW 1.827 + 0.234 0.025 - 0.016	.0431 .0104 .0242 .0311 .0571 .0426 .0717 .0230 .0796 .0286 .0306 .0936 .0663 .0381 .0416 .0850 .9149			1		1 UNCH 3 UNCH 10 UNCH 1 UNCH 1 + 1 UNCH 1 UN







PG6	4 BULLET	ΓΙΝ #225@		ME	ETALS OPTION F				Tue,	Nov 21,	2023 PG64
-	GLOBEX OPEN	OPEN OUTCRY OPEN RANGE	GLOBEX HIGH/LOW	OPEN OUTCRY HIGH/LOW	OPEN OUTCRY CLOSE RANGE	SETT.PRICE & PT.CHGE. DELTA	EXER CISES	OPEN OUTCRY VOLUME	GLOBEX® VOLUME		OPEN INTEREST
SMW I		SILVER WEEKLY	MONDAY OPTION WEEK2								
DEC2 2250 2250	0.056	0.056	0.102B/*0.053A 0.159B/*0.094A	0.102B/*0.053A 0.159B/*0.094A 0.050B/*0.022A		0.065 - 0.028 .0911 0.112 - 0.034 .1274			1		30 + 1 2 UNCH
2250 2255 2255		 0.065	0.050B/*0.022A 0.055B/*0.024A 0.110B/*0.058A	0.050B/*0.022A 0.055B/*0.024A 0.110B/*0.058A		0.027 - 0.018 .0488 0.029 - 0.020 .0525 0.069 NEW .0965			 1		4 UNCH 1 UNCH 1 + 1
2260 2260	0.111	0.111	0.179B/*0.105A 0.060B/*0.026A	0.179B/*0.105A 0.060B/*0.026A		0.126 NEW .1410 0.032 - 0.022 .0576			1		1 + 1 18 UNCH
2265 2265 2265		0.069 	0.126B/*0.066A 0.190B/*0.111A 0.065B/*0.029A	0.1268/*0.066A 0.1908/*0.111A 0.0658/*0.029A		0.079 - 0.035 .1090 0.133 - 0.040 .1478 0.035 - 0.023 .0627			1 		2 - 1 2 UNCH 2 UNCH
2270 2270 2275			0.072B/*0.031A 0.201B/*0.119A 0.078B/*0.034A	0.0508/*0.022A 0.0558/*0.024A 0.1108/*0.058A 0.1798/*0.105A 0.0608/*0.026A 0.1268/*0.066A 0.1908/*0.111A 0.0658/*0.031A 0.0728/*0.031A 0.2018/*0.119A 0.0788/*0.034A 0.1458/*0.075A		0.038 - 0.026 .0679 0.141 - 0.043 .1553 0.042 - 0.027 .0743					12 UNCH 5 UNCH 4 UNCH
2275 2280			0.145B/*0.075A 	0.145B/*0.075A 0.123B/2.773A		0.091 - 0.039 .1234 1.515 + 0.220 .8691					3 UNCH 1 UNCH
2280 2285 2290			0.085B/*0.036A 0.165B/*0.086A 0.177B/*0.093A	0.085B/*0.036A 0.165B/*0.086A 0.177B/*0.093A 0.101B/*0.043A		0.104 - 0.045 .1389 0.111 - 0.048 .1470					16 UNCH 3 UNCH 1 UNCH
2290 2295 2295			0.101B/*0.043A 0.110B/*0.047A	0.101B/*0.043A 0.110B/*0.047A /2.538A		0.054 - 0.036 .0942 0.059 - 0.039 .1021 1.328 + 0.223 .8978					2 UNCH 9 UNCH 2 UNCH
2295 2300 2300	0.224 1.463	0.224 1.463	0.267B/*0.157A 1.513B/1.056A 0.120B/*0.051A	0.267B/*0.157A 1.513B/1.056A 0.120B/*0.051A		0.185 NEW .1954 1.345 + 0.208 .8349 0.064 - 0.042 .1101			10 1 		10 + 10 0 - 1 5 UNCH
2300 2300	0.239	0.239	0.203B/*0.106A 0.282B/*0.166A	0.203B/*0.106A 0.282B/*0.166A		0.127 - 0.054 .1650 0.196 - 0.059 .2047			3		6 UNCH 4 UNCH
2305 2310 2310			0.131B/*0.055A 	0.131B/*0.055A /2.391A /2.491A		0.069 - 0.046 .1183 1.195 + 0.212 .8713 1.263 + 0.201 .8160					5 UNCH 8 UNCH 7 UNCH
2310 2310 2310			0.144B/*0.060A 0.313B/*0.185A 0.230B/*0.120A	0.144B/*0.060A 0.313B/*0.185A 0.230B/*0.120A		0.076 - 0.049 .1286 0.218 - 0.065 .2232 0.144 - 0.061 .1839					1 UNCH 2 UNCH 1 UNCH
2315 2315	0.278	0.278	0.329B/*0.195A 0.245B/*0.128A	0.313B/*0.185A 0.230B/*0.120A 0.329B/*0.195A 0.245B/*0.128A 0.155B/*0.066A		0.230 - 0.068 .2330 0.154 - 0.064 .1944			10 		11 + 10 1 UNCH
2315 2320 2320			0.155B/*0.066A 0.168B/*0.071A 	/2.294A		0.082 - 0.054 .1380 0.089 - 0.058 .1485 1.109 + 0.204 .8514					7 UNCH 1 UNCH 6 UNCH
2320 2320 2325			0.347B/0.207A 0.183B/*0.078A	0.347B/0.207A /2.395A 0.183B/*0.078A		0.243 - 0.071 .2433 1.183 + 0.194 .7950 0.097 - 0.062 .1600			 5		15 UNCH 1 UNCH 5 UNCH
2325 2325			0.277B/*0.146A 1.303B/0.881A	0.277B/*0.146A 1.303B/0.881A		0.175 - 0.072 .2161 1.144 + 0.190 .7838					13 UNCH 126 UNCH
2330 2330 2330			0.198B/*0.084A 0.294B/*0.155A	0.198B/*0.084A /2.195A 0.294B/*0.155A		0.106 - 0.066 .1725 1.025 + 0.195 .8273 0.186 - 0.076 .2273					12 UNCH 1 UNCH 2 UNCH
2330 2335 2335			0.383B/0.230A 0.311B/*0.165A	0.383B/0.230A 0.311B/*0.165A /2.138A		0.270 - 0.077 .2642 0.199 - 0.079 .2396 0.985 + 0.191 .8148					5 UNCH 13 UNCH 6 UNCH
2335 2340			0.214B/*0.091A 0.231B/*0.099A	0.214B/*0.091A 0.231B/*0.099A		0.115 - 0.071 .1851 0.125 - 0.076 .1986					2 UNCH 3 UNCH
2340 2345 2345			0.349B/*0.187A 0.443B/0.269A	/2.081A 0.349B/*0.187A 0.443B/0.269A		0.945 + 0.186 .8013 0.225 - 0.088 .2643 0.316 - 0.086 .2975					7 UNCH 10 UNCH 5 UNCH
2345 2345 2350			0.249B/*0.107A 1.027B/0.607A	0.249B/*0.107A /2.028A 1.027B/0.607A		0.136 - 0.081 .2129 0.905 + 0.180 .7870 0.867 + 0.176 .7726					1 UNCH 10 UNCH 3 UNCH
2350 2355		 0.199	0.268B/*0.116A 0.390B/*0.212A	0.268B/*0.116A 0.390B/*0.212A 0.287B/*0.126A 0.308B/*0.136A		0.147 - 0.086 .2273 0.255 - 0.096 .2909 0.159 - 0.092 .2425			 2		7 UNCH 6 UNCH
2355 2360 2360	0.191	0.191	0.287B/*0.126A 0.308B/*0.136A 0.799B/0.652A	U./99B/U.65ZA		0.173 - 0.097 .2590 0.890 + 0.161 .6953			1 		2 - 1 6 UNCH
2365 2365 2370		 0.253	0.330B/*0.147A 0.666B/0.520A 0.353B/*0.159A	0.330B/*0.147A 0.666B/0.520A 0.353B/*0.159A		0.187 - 0.102 .2755 0.757 + 0.159 .7243 0.202 NEW .2927			 2		2 UNCH 1 UNCH 2 + 2
2370 2370 2375			0.738B/0.598A 1.044B/0.698A 1.016B/0.673A	0.738B/0.598A 1.044B/0.698A 1.016B/0.673A		0.825 + 0.154 .6672 0.925 + 0.158 .6433 0.894 + 0.154 .6310					151 UNCH 2 UNCH 2 UNCH
2375 2380	0.328	0.328	0.377B/*0.172A 0.574B/0.442A	0.377B/*0.172A 0.574B/0.442A		0.217 - 0.114 .3099 0.654 + 0.141 .6718			30 		19 + 10 33 UNCH
2380 2385 2385	0.240	0.240	0.402B/*0.186A 0.428B/*0.200A 0.852B/0.525A	0.402B/*0.186A 0.428B/*0.200A 0.852B/0.525A		0.251 NEW .3463 0.731 + 0.140 .6236			1		1 UNCH 1 + 1 4 UNCH
2390 2390 2395	0.264	0.264 0.254	0.820B/0.502A 0.455B/*0.216A 0.483B/*0.231A	0.820B/0.502A 0.455B/*0.216A 0.483B/*0.231A		0.702 + 0.136 .6086 0.270 NEW .3653 0.289 NEW .3843			1 14		9 UNCH 1 + 1 9 + 9
2400 2400 2400	0.427	0.427 0.750	0.771B/0.458A 0.661B/0.353A 0.864B/0.558A	0.771B/0.458A 0.661B/0.353A 0.864B/0.558A		0.645 + 0.126 .5784 0.531 + 0.118 .5960 0.752 + 0.134 .5689			7 1		100 UNCH 102 + 3 105 - 1
2405 2405		0.489	0.729B/0.438A 0.625B/0.333A	0.729B/0.438A 0.625B/0.333A		0.618 + 0.122 .5631 0.502 + 0.112 .5763			<u>-</u> <u>-</u> 1		7 UNCH 6 UNCH 1 + 1
2410 2410 2410	0.532	0.532	0.595B/0.314A 0.775B/0.504A 0.701B/0.418A	0.595B/0.314A 0.775B/0.504A 0.701B/0.418A		0.475 NEW .5565 0.579 NEW .4563 0.591 + 0.117 .5478					9 + 9 3 UNCH
2415 2415 2415		0.463 0.329	0.567B/0.296A 0.680B/0.399A 0.606B/*0.309A	0.567B/0.296A 0.680B/0.399A 0.606B/*0.309A		0.449 NEW .5365 0.566 + 0.113 .5324 0.378 NEW .4633			1 3 10		1 + 1 3 UNCH 10 + 10
2425 2425 2425			0.625B/0.363A 0.729B/0.461A 0.515B/0.262A	0.625B/0.363A 0.729B/0.461A 0.515B/0.262A		0.517 + 0.104 .5017 0.626 + 0.113 .5056 0.400 + 0.091 .4966					8 UNCH 3 UNCH 1 UNCH
2430 2430			0.486B/0.247A 0.603B/0.346A	0.486B/0.247A 0.603B/0.346A		0.377 + 0.086 .4768 0.495 + 0.101 .4865			 9		1 UNCH 10 UNCH
2435 2435 2435		0.657 	0.933B/0.624A 0.681B/0.426A 0.575B/0.330A	0.933B/0.624A 0.681B/0.426A 0.575B/0.330A		0.710 NEW .5193 0.582 NEW .4805 0.473 + 0.097 .4714			3		3 + 3 3 UNCH
2440 2440 2440	0.622	0.622	0.554B/0.315A 0.622/*0.424A 0.436B/0.219A	0.554B/0.315A 0.622/*0.424A 0.436B/0.219A		0.451 + 0.092 .4563 0.514 NEW .5620 0.335 + 0.077 .4378			1		10 UNCH 1 + 1 2 UNCH
2445 2450 2450			0.416B/0.206A 0.507B/0.286A 0.391B/0.195A	0.416B/0.206A 0.507B/0.286A 0.391B/0.195A		0.316 + 0.073 .4189 0.412 + 0.086 .4269 0.298 + 0.070 .4004					9 UNCH 1 UNCH 60 UNCH
2455 2455			0.482B/0.272A 0.371B/0.183A	0.482B/0.272A 0.371B/0.183A		0.393 + 0.082 .4124 0.280 + 0.065 .3821					7 UNCH 18 UNCH
2460 2465 2465			0.351B/0.171A /0.565A 0.331B/0.162A	0.351B/0.171A 0.620B/0.565A 0.331B/0.162A		0.264 + 0.062 .3645 0.676 - 0.204 .6528 0.248 + 0.058 .3471					24 UNCH 1 UNCH 29 UNCH
2470 2475 2475			0.311B/0.152A 0.291B/0.143A 0.506B/0.310A	0.311B/0.152A 0.291B/0.143A 0.506B/0.310A		0.233 + 0.054 .3303 0.219 + 0.051 .3140 0.431 + 0.085 .3854					7 UNCH 3 UNCH 1 UNCH
2480 2490			/0.785A 0.246B/0.119A	0.563B/0.785A 0.246B/0.119A 0.321B/0.177A		0.784 - 0.213 .7014 0.181 + 0.042 .2683					1 UNCH 1 UNCH
2500 2500 2500			0.321B/0.177A 0.217B/0.106A 0.420B/0.255A	0.217B/0.106A 0.420B/0.255A		0.159 + 0.036 .2405 0.354 + 0.071 .3312					150 UNCH 8 UNCH 2 UNCH
2520 2525 2525		0.135 	#0.169B/0.083A 0.159B/0.079A 0.252B/0.140A	0.169B/0.083A 0.159B/0.079A 0.252B/0.140A		0.123 + 0.027 .1921 0.115 + 0.024 .1811 0.201 + 0.043 .2409			10 		10 UNCH 12 UNCH 20 UNCH
2550 2550			0.116B/0.059A 0.199B/0.111A	0.116B/0.059A 0.199B/0.111A 0.283B/0.171A		0.084 + 0.016 .1356 0.157 + 0.033 .1948					19 UNCH 1 UNCH
2550 2575 2575			0.283B/0.171A 0.156B/0.088A 0.085B/0.045A	0.156B/0.088A 0.085B/0.045A		0.124 + 0.025 .1575 0.062 + 0.011 .1015					13 UNCH 3 UNCH
2600 2600 2625	0.038	0.038	0.063B/0.035A 0.190B/0.116A 0.047B/0.028A	0.063B/0.035A 0.190B/0.116A 0.047B/0.028A		0.046 + 0.007 .0759 0.158 + 0.031 .1684 0.036 + 0.005 .0587			3		4 UNCH 2 UNCH 4 + 3
2625 2625 2625 2650	0.132	0.132 0.072	0.097B/0.057A 0.156B/0.096A 0.077B/0.046A	0.097B/0.057A 0.156B/0.096A 0.077B/0.046A		0.077 + 0.014 .1015 0.130 NEW .1413 0.062 + 0.010 .0823			1 1		5 UNCH 1 + 1 5 + 1
2675 2700			0.062B/0.038A 0.023B/	0.062B/0.038A 0.023B/0.016A		0.050 + 0.008 .0667 0.019 + 0.003 .0294					1 UNCH 20 UNCH
2700 2725 2750	0.016	0.016	0.086B/0.056A 0.071B/0.048A 0.016/0.016	0.086B/0.056A 0.071B/0.048A 0.016/0.013A		0.074 + 0.014 .0835 0.062 + 0.012 .0705 0.014 NEW .0205			11 1		$ \begin{array}{cccccccccccccccccccccccccccccccccccc$
2775 2850 2875			0.050B/ 0.017B/ 0.008B/	0.050B/0.035A 0.017B/0.014A 0.008B/0.008A		0.044 + 0.009 .0504 0.017 + 0.003 .0211 0.008 + 0.002 .0102					1 UNCH 1 UNCH 20 UNCH
2925 TOTA			#0.019B/	0.019B/0.018A		0.018 + 0.005 .0204			11 171	0	11 + 10 1720 + 110

METALS OPTIONS PRODUCTS

Side 30

2023 DAILY INFORMATION BULLETIN - http://www.cmegroup.com/dailybulletin





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

					PRELIMINA	₹Y							
PG6	4 BULLET	IN #225@		ME	TALS OPTION P	RODUCTS				Tue,	Nov 21,	2023	PG64
	GLOBEX OPEN	OPEN OUTCRY OPEN RANGE	GLOBEX HIGH/LOW	OPEN OUTCRY HIGH/LOW	OPEN OUTCRY CLOSE RANGE	SETT.PRIC & PT.CHGE		EXER CISES	OPEN OUTCRY VOLUME	GLOBEX® VOLUME	PNT VOLUME	INTER	OPEN REST
SMW I			MONDAY OPTION WEEK2	,									
JAN24 2800	0.114	0.114	#0.114/*0.114	#0.116B/*0.098A		0.103	NEW .0887			14		14 +	14
2850 TOTA	L	0.089	#0.089/*0.089	#0.090B/*0.078A		0.081	NEW .0704			1 15	0	1 + 15 +	1 15
SO C/ DEC2: 800	3	COMEX SILVER O	PTIONS 16.044B/	16.044B/15.812A		15.869 +	0.255 .0000					1	UNCH
1775 2000			6.296B/ 4.046B/	6.296B/6.064A 4.046B/3.811A		6.119 + 3.869 +	0.255 .0000 0.255 .0000					3 1	UNCH
2050 2055 2070			3.546B/3.005A 3.496B/2.955A 3.346B/2.805A	3.546B/3.005A 3.496B/2.955A 3.346B/2.805A		3.369 + 3.319 + 3.169 +	0.255 .0000 0.255 .0000 0.255 .9999	1 2 1				5 - 0 - 0 -	1 2 1
2075 2090			3.296B/2.755A 3.146B/2.605A	3.296B/2.755A 3.146B/2.605A		3.119 + 2.969 +	0.255 .9999 0.254 .9997	3 2				1 - 0 -	3 2
2095 2100 2105			3.096B/2.555A 3.070B/2.505A 2.996B/2.455A	3.096B/2.555A 3.070B/2.505A 2.996B/2.455A		2.919 + 2.869 + 2.819 +	0.254 .9997 0.254 .9996 0.254 .9995	16				28 35 - 40	UNCH 16 UNCH
2110 2115			2.950B/2.410A 2.920B/2.360A	2.950B/2.410A 2.920B/2.360A		2.769 + 2.719 +	0.254 .9994 0.254 .9992	3 13				19 - 0 -	3 13
2120 2125 2130			2.870B/2.310A 2.820B/2.260A 2.770B/2.210A	2.870B/2.310A 2.820B/2.260A 2.770B/2.210A		2.669 + 2.619 + 2.569 +	0.253 .9990 0.253 .9988 0.253 .9986	1 10 				60 - 259 - 4	1 10 UNCH
2135 2140			2.720B/2.160A 2.670B/2.110A	2.720B/2.160A 2.670B/2.110A		2.520 + 2.470 +	0.253 .9983 0.253 .9967					26 28	UNCH UNCH
2145 2150 2155	2.200	2.200	2.620B/2.060A 2.570B/2.010A 2.520B/1.960A	2.620B/2.060A 2.570B/2.010A 2.520B/1.960A		2.420 + 2.370 + 2.320 +	0.253 .9966 0.252 .9965 0.252 .9964			2		120 144 - 6	UNCH 2 UNCH
2160 2165			2.470B/1.910A 2.420B/1.860A	2.470B/1.910A 2.420B/1.860A		2.270 + 2.220 +	0.252 .9964 0.251 .9963					57 2	UNCH UNCH
2170 2175 2180			2.370B/1.810A 2.320B/1.760A 2.270B/1.715A	2.370B/1.810A 2.320B/1.760A 2.270B/1.715A		2.170 + 2.120 + 2.070 +	0.251 .9962 0.251 .9961 0.251 .9960					2 99 11	UNCH UNCH UNCH
2185 2190			2.220B/1.665A 2.170B/1.615A	2.220B/1.665A 2.170B/1.615A		2.021 + 1.971 +	0.251 .9959 0.251 .9940					9 3	UNCH UNCH
2195 2200 2205	1.854	1.854	2.120B/1.565A 2.070B/1.515A 2.020B/1.465A	2.120B/1.565A 2.070B/1.515A 2.020B/1.465A		1.921 + 1.871 + 1.821 +	0.251 .9939 0.250 .9937 0.249 .9935			6		26 478 - 12	UNCH 6 UNCH
2210 2215			1.970B/1.420A 1.920B/1.370A	1.970B/1.420A 1.920B/1.370A		1.772 + 1.722 +	0.250 .9914 0.249 .9912					42 7	UNCH UNCH
2220 2225 2230			1.870B/1.320A 1.825B/1.270A 1.770B/1.225A	1.870B/1.320A 1.825B/1.270A 1.770B/1.225A		1.673 + 1.623 + 1.574 +	0.248 .9910 0.247 .9887 0.246 .9864					142 179 11	UNCH UNCH UNCH
2235 2240			1.722B/1.175A 1.674B/1.130A 1.626B/1.080A	1.722B/1.175A 1.674B/1.130A 1.626B/1.080A		1.525 + 1.476 + 1.427 +	0.245 .9841 0.244 .9816 0.243 .9791					26 30 51	UNCH UNCH UNCH
2245 2250 2255			1.572B/1.035A 1.524B/0.990A	1.572B/1.035A 1.524B/0.990A		1.378 + 1.329 +	0.241 .9765 0.239 .9738			5 		671 - 7	5 UNCH
2260 2265 2270			1.476B/0.945A 1.428B/0.900A 1.380B/0.855A	1.476B/0.945A 1.428B/0.900A 1.380B/0.855A		1.281 + 1.232 + 1.184 +	0.237 .9691 0.234 .9661 0.231 .9611					31 35 45	UNCH UNCH UNCH
2275 2280			1.332B/0.810A 1.278B/0.770A	1.332B/0.810A 1.278B/0.770A		1.136 + 1.088 +	0.228 .9559 0.224 .9505					375 44	UNCH UNCH
2285 2290 2295			1.230B/0.725A 1.182B/0.684A 1.134B/0.645A	1.230B/0.725A 1.182B/0.684A 1.134B/0.645A		1.041 + 0.994 + 0.947 +	0.221 .9430 0.217 .9353 0.211 .9273					117 96 50	UNCH UNCH UNCH
2300 2305	0.820	0.820 	1.092B/0.605A 1.044B/0.570A	1.092B/0.605A 1.044B/0.570A		0.901 + 0.856 +	0.206 .9173 0.200 .9052			18 2		1993 - 95 -	15 2
2310 2315 2320			0.996B/0.534A 0.948B/0.499A 0.906B/0.464A	0.996B/0.534A 0.948B/0.499A 0.906B/0.464A		0.811 + 0.768 + 0.725 +	0.194 .8929 0.188 .8786 0.181 .8624					65 110 261	UNCH UNCH UNCH
2325 2330 2335	0.504	0.504	0.865B/0.420A 0.817B/0.389A 0.775B/0.360A	0.865B/0.420A 0.817B/0.389A 0.775B/0.360A		0.682 + 0.641 + 0.601 +	0.172 .8445 0.164 .8248 0.156 .8036			20		250 80 - 189	UNCH 4 UNCH
2340 2345	0.383	0.383	0.733B/0.333A 0.691B/0.306A	0.733B/0.333A 0.691B/0.306A		0.563 + 0.525 +	0.149 .7809 0.140 .7567			8		106 71	UNCH UNCH
2350 2355 2360	0.455	0.347 0.455 0.283	0.649B/0.283A 0.613B/0.260A 0.576B/0.239A	0.649B/0.283A 0.613B/0.260A 0.576B/0.239A		0.489 + 0.454 + 0.421 +	0.132 .7303 0.124 .7028 0.117 .6737			13 9 3		1002 - 46 + 62	8 5 UNCH
2365 2370	0.377 0.209	0.377 0.209 0.202	0.541B/0.219A 0.501B/0.201A 0.471B/0.184A	0.541B/0.219A 0.501B/0.201A		0.389 + 0.359 +	0.109 .6438 0.102 .6128			13 72		43 - 91 -	4 3
2375 2380 2385	0.323 0.279	0.202 0.323 0.279	0.436B/0.169A 0.406B/0.154A	0.471B/0.184A 0.436B/0.169A 0.406B/0.154A		0.331 + 0.305 + 0.280 +	0.088 .5491 0.080 .5173			149 38 25		628 - 128 - 67 -	23 12 20
2390 2395 2400	0.208	0.219 0.208 0.138	0.376B/0.142A 0.346B/0.131A 0.322/0.120A	0.376B/0.142A 0.346B/0.131A 0.322/0.120A		0.257 + 0.235 + 0.215 +	0.073 .4857 0.066 .4545 0.060 .4240			4 9 456		112 176 + 6820 -	UNCH 3 8
2405 2410	0.184 0.185	0.184 0.185	0.296B/0.109A 0.271B/0.100A	0.296B/0.109A 0.271B/0.100A		0.196 + 0.178 +	0.054 .3943 0.049 .3653			14 34		97 + 210 -	13 2
2415 2420 2425	0.154	0.105 0.154 0.127	0.251B/0.091A 0.227B/0.083A 0.211B/0.075A	0.251B/0.091A 0.227B/0.083A 0.211B/0.075A		0.162 + 0.146 + 0.132 +	0.044 .3378 0.039 .3106 0.035 .2852			56 11 100		90 + 112 + 299 -	7 9 18
2430 2435	0.147	0.147 0.107	0.191B/0.069A 0.172B/0.063A 0.157B/0.057A	0.191B/0.069A 0.172B/0.063A		0.119 + 0.107 +	0.031 .2609 0.027 .2380 0.024 .2163			2 5		172 + 52	1 UNCH
2440 2445 2450	0.108	0.107 0.108 0.082	0.142B/0.052A 0.131B/0.047A	0.157B/0.057A 0.142B/0.052A 0.131B/0.047A		0.086 + 0.077 +	0.021 .1961 0.018 .1773			3 191		56 + 59 - 860 +	1 1 42
2455 2460 2465	0.075	0.075 0.048	0.119B/0.043A 0.108B/0.039A 0.097B/0.036A	0.119B/0.043A 0.108B/0.039A 0.097B/0.036A		0.069 + 0.061 + 0.055 +	0.015 .1602 0.012 .1433 0.011 .1295			19 34		37 59 - 247 -	UNCH 7 17
2470 2475	0.045 0.047	0.045 0.047	0.088B/0.033A 0.080B/0.030A	0.088B/0.033A 0.080B/0.030A		0.049 + 0.044 +	0.009 .1160 0.007 .1043			4 61		49 - 360 -	2 18
2480 2485 2490	0.043	0.063 0.043 0.038	0.072B/0.028A 0.065B/0.026A 0.059B/0.024A	0.072B/0.028A 0.065B/0.026A 0.059B/0.024A		0.039 + 0.035 + 0.032 +	0.005 .0929 0.004 .0833 0.003 .0757			2 2 7		27 140 41 +	UNCH UNCH 1
2495 2500	0.034 0.031	0.034 0.031 0.029	0.053B/0.022A 0.047B/0.020A 0.043B/0.019A	0.053B/0.022A 0.047B/0.020A 0.043B/0.019A		0.029 + 0.026 + 0.024 +	0.003 .0683 0.002 .0611 0.001 .0558			39 276		68 + 5197 + 119 +	34 43
2505 2510 2515	0.026	0.029 0.026 0.021	0.039B/0.018A 0.036B/0.017A	0.039B/0.018A 0.036B/0.017A		0.022 + 0.020	0.001 .0507 UNCH .0458			16 10 5		57 111 +	UNCH 1
2520 2525 2530	0.027	0.031 0.027 0.025	0.033B/0.016A 0.030B/0.016A 0.027B/0.015A	0.033B/0.016A 0.030B/0.016A 0.027B/0.015A		0.019 0.017 - 0.016 -	UNCH .0428 0.001 .0381 0.001 .0354			5 1 1		48 + 211 65	2 UNCH UNCH
2535 2540	0.016	0.016	0.025B/0.014A 0.023B/0.013A	0.025B/0.014A 0.023B/0.013A		0.015 - 0.014 -	0.001 .0327 0.001 .0302			<u>1</u>		50 33 +	UNCH 1
2545 2550 2555	0.015	0.015 0.015	0.022B/0.013A 0.021/0.011A 0.019B/0.012A	0.022B/0.013A 0.021/0.011A 0.019B/0.012A		0.013 - 0.012 - 0.012 -	0.001 .0277 0.002 .0253 0.001 .0247			5 3 		53 - 733 21	1 UNCH UNCH
2560 2565		 0.013	0.017B/*0.011A 0.016B/0.011A 0.015B/0.011A	0.017B/*0.011A 0.016B/0.011A		0.011 -	0.002 .0223			 1		27 56 49 -	UNCH UNCH
2570 2575 2580			0.015B/ 0.014B/0.010A	0.015B/0.011A 0.015B/0.011A 0.014B/0.010A		0.009 - 0.009 -	0.002 .0198 0.002 .0178 0.002 .0174			49 		131 + 20	13 UNCH
2585 2590 2595			0.013B/ 0.013B/ 0.012B/	0.013B/0.010A 0.013B/0.010A 0.012B/0.010A		0.008 -	0.002 .0151					30 20 38	UNCH UNCH UNCH
2600 2605			0.011B/ 0.010B/	0.011B/0.010A 0.010B/0.009A		0.007 - 0.007 -	0.002 .0148 0.002 .0129 0.002 .0127			30		1318 - 39	3 UNCH
2610 2615 2620			0.010B/ 0.009B/	0.010B/0.009A 0.009B/0.009A 0.008B/0.009A		0.007 -	0.001 .0120					13 40 30	UNCH UNCH UNCH
2625 2630	0.009	0.009	0.009/0.009	0.009/0.009 0.008B/0.009A 0.007B/*0.008A		0.006 - 0.006 - 0.006 -	0.002 .0103 0.002 .0101			7 		348 12 232	UNCH UNCH
2635 2640 2645				0.007B/*0.008A 0.007B/*0.008A		0.006 -	0.001 .0098					6 25	UNCH UNCH UNCH
2650 2655 2660				0.006B/0.008A 0.005B/*0.008A 0.006B/0.008A		0.006 - 0.005 - 0.005 -	0.001 .0095			36 		599 + 14 14	36 UNCH UNCH
2665 2670				0.005B/*0.007A 0.005B/0.007A		0.005 - 0.005 -	0.001 .0077 0.001 .0076					7 23	UNCH UNCH
2675 2680 2700				0.005B/*0.007A 0.004B/*0.007A 0.004B/0.007A		0.005 - 0.004 - 0.004 -	0.001 .0074 0.002 .0060 0.001 .0057			30		184 153 912 -	UNCH UNCH 1

METALS OPTIONS PRODUCTS

Side 31

2023 DAILY INFORMATION BULLETIN - http://www.cmegroup.com/dailybulletin





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

		#225¢			PRELIMINA					1 2022 64
PG64		TIN #225@			ETALS OPTION			OPEN	Tue, Nov 2	
	GLOBEX OPEN	OPEN OUTCRY OPEN RANGE	GLOBEX HIGH/LOW	OPEN OUTCRY HIGH/LOW	OPEN OUTCRY CLOSE RANGE	SETT.PRICE & PT.CHGE. DELTA	EXER CISES	OUTCRY VOLUME	GLOBEX® PNT VOLUME VOLUM	OPEN IE INTEREST
SO CA		COMEX SILVER	OPTIONS							
DEC23 2850 2875				/0.006A /0.006A		0.002 - 0.001 .0021 0.002 - 0.001 .0020				696 UNCH 248 UNCH
2900 2925	0.004	0.004	0.004/*0.004	/0.006A 0.004/*0.004		0.002 - 0.001 .0019 0.001 - 0.001 .0009			50	449 UNCH 398 - 22
2950 2975				/0.005A /0.005A		0.001 - 0.001 .0006 0.001 - 0.001 .0003			12	21 UNCH
3000 3025 3050	0.002	0.002	0.002/*0.001 	0.002/*0.001 /*0.004A /0.004A		0.001 - 0.001 .0002 0.001 UNCH .0001 0.001 UNCH .0000			12	
3075 3100	0.004	0.004	0.004/0.004	/0.004A 0.004/0.004		0.001 UNCH .0000 0.001 UNCH .0000			16	277 UNCH 287 - 14
3125 3150				/0.004A /0.004A		0.001 UNCH .0000 0.001 UNCH .0000				169 UNCH
3175 3200 3225	0.004	0.004	0.004/*0.003A	/0.003A 0.004/0.003A /0.003A		0.001 UNCH .0000 0.001 UNCH 0.001 UNCH			6	
3250 3275	0.003	0.003	0.003/*0.003	/0.003A 0.003/0.003		0.001 UNCH 0.001 UNCH			10	108 UNCH 16 UNCH
3300 3325 3350				/0.003A /0.003A /0.003A		0.001 UNCH 0.001 UNCH 0.001 UNCH				14 UNCH
3375 3400				/0.003A /0.003A		0.001 UNCH 0.001 UNCH				3 UNCH
3425 3450				/0.003A /0.003A		0.001 UNCH 0.001 UNCH				50 0.10.1
3475 3500 3525				/0.003A /0.003A /0.003A		0.001 UNCH 0.001 UNCH 0.001 UNCH				
3550 3575				/0.003A /0.003A		0.001 UNCH 0.001 UNCH				52 UNCH 11 UNCH
3600 3625				/0.003A /0.003A		0.001 UNCH 0.001 UNCH				26 UNCH
3650 3700 3725				/0.003A /0.003A /0.003A		0.001 UNCH 0.001 UNCH 0.001 UNCH				205 UNCH
3750 3775				/0.003A /0.003A		0.001 UNCH 0.001 UNCH				8 UNCH 2 UNCH
3800 3825				/0.003A /0.003A /0.003A		0.001 UNCH 0.001 UNCH 0.001 UNCH				
3850 3900 3925				/0.003A /0.003A /0.003A		0.001 UNCH 0.001 UNCH				2 UNCH
3950 4000				/0.003A /0.003A		0.001 UNCH 0.001 UNCH				16 UNCH 2243 UNCH
4050 4075 4500				/0.003A /0.003A /0.003A		0.001 UNCH 0.001 UNCH 0.001 UNCH				
5000 6000				/0.002A /0.003A		0.001 UNCH 0.001 UNCH				2020 UNCH
7000 7500				/0.003A /0.003A		0.001 UNCH 0.001 UNCH				80 UNCH
8000 9000 10000				/0.003A /0.003A /0.002A		0.001 UNCH 0.001 UNCH 0.001 UNCH				53 UNCH 56 UNCH 301 UNCH
TOTAL	-			,					2011 (
JAN24 1975			4.643B/ 4.394B/	4.643B/4.418A 4.394B/4.170A		4.472 + 0.261 .9894 4.223 + 0.260 .9869	1			0 - 1 40 UNCH
2000 2050 2075			3.899B/ 3.653B/	3.899B/3.676A 3.653B/3.445A		3.729 + 0.258 .9795 3.484 + 0.257 .9737				4 UNCH 1 UNCH
2085 2095			3.555B/ 3.457B/	3.555B/3.348A 3.457B/3.258A		3.386 + 0.256 .9704 3.289 + 0.255 .9670				1 UNCH 3 UNCH
2100 2110 2115			3.409B/2.884A 3.312B/ 3.263B/	3.409B/2.884A 3.312B/3.107A 3.263B/3.059A		3.241 + 0.255 .9649 3.145 + 0.255 .9615 3.097 + 0.255 .9593				26 UNCH 4 UNCH 6 UNCH
2120 2125			3.215B/ 3.167B/2.646A	3.215B/3.011A 3.167B/2.646A		3.049 + 0.254 .9571 3.001 + 0.254 .9550				9 UNCH 2 UNCH
2130 2135			3.119B/ 3.071B/	3.119B/2.916A 3.071B/2.875A		2.953 + 0.253 .9520 2.906 + 0.253 .9497				28 UNCH 19 UNCH
2145 2150 2155			2.975B/ 2.947B/2.415A 2.879B/	2.975B/2.780A 2.947B/2.415A 2.879B/2.686A		2.811 + 0.251 .9444 2.764 + 0.251 .9414 2.717 + 0.250 .9383				24 UNCH 4 UNCH 2 UNCH
2165 2170			2.785B/ 2.737B/	2.785B/2.586A 2.737B/2.540A		2.623 + 0.248 .9321 2.577 + 0.248 .9289				29 UNCH 7 UNCH
2175 2180			2.716B/2.191A 2.644B/ 2.597B/	2.716B/2.191A 2.644B/2.454A		2.530 + 0.246 .9250 2.484 + 0.245 .9211 2.438 + 0.244 .9172				23 UNCH 4 UNCH 8 UNCH
2185 2190 2195			2.551B/ 2.504B/	2.597B/2.402A 2.551B/2.363A 2.504B/2.318A		2.438 + 0.244 .9172 2.393 + 0.243 .9132 2.347 + 0.242 .9093				8 UNCH 5 UNCH 23 UNCH
2200 2205			2.478B/1.967A 2.413B/	2.478B/1.967A 2.413B/2.229A		2.302 + 0.241 .9046 2.257 + 0.239 .8999				4 UNCH
2210 2215 2220			2.367B/ 2.321B/ 2.276B/	2.367B/2.177A 2.321B/2.133A 2.276B/2.095A		2.212 + 0.237 .8951 2.168 + 0.236 .8904 2.123 + 0.234 .8850				1 UNCH 50 UNCH 1 UNCH
2225 2230			2.254B/1.757A 2.199B/	2.254B/1.757A 2.199B/1.974A		2.080 + 0.233 .8795 2.036 + 0.231 .8740				9 UNCH 106 UNCH
2235 2240			2.143B/ 2.100B/ 2.056B/	2.143B/1.939A 2.100B/1.896A 2.056B/1.855A		1.993 + 0.229 .8680 1.950 + 0.227 .8619 1.907 + 0.225 .8558				
2245 2250 2255			2.030B/ 2.038B/1.559A 1.975B/	2.038B/1.559A 1.975B/1.788A		1.907 + 0.225 .8558 1.865 + 0.223 .8491 1.823 + 0.220 .8423			300	419 + 300
2260 2265			1.932B/ 1.890B/	1.932B/1.747A 1.890B/1.707A		1.782 + 0.219 .8356 1.741 + 0.216 .8283				5 UNCH 7 UNCH
2270 2275 2280			1.847B/ 1.821B/1.367A 1.764B/	1.847B/1.667A 1.821B/1.367A 1.764B/1.588A		1.701 + 0.214 .8206 1.660 + 0.211 .8132 1.621 + 0.209 .8054			7	108 UNCH
2285 2290			1.735B/ 1.682B/	1.735B/1.550A 1.682B/1.512A		1.582 + 0.207 .7972 1.543 + 0.204 .7889			1	22 - 1 24 UNCH
2295 2300	1.295	1.295	1.651B/ 1.625B/1.193A	1.651B/1.451A 1.625B/1.193A 1.564B/1.387A		1.505 + 0.201 .7802 1.467 + 0.198 .7715 1.430 + 0.195 .7627			19	751 - 5
2305 2310 2315			1.564B/ 1.525B/ 1.487B/	1.525B/1.351A 1.487B/1.316A		1.393 + 0.192 .7536 1.357 + 0.189 .7441				15 UNCH 26 UNCH
2320 2325			1.450B/ 1.429B/1.031A	1.450B/1.280A 1.429B/1.031A		1.321 + 0.186 .7346 1.286 + 0.183 .7248				11 UNCH 210 UNCH
2330 2335 2340			1.375B/0.991A 1.339B/0.962A 1.313B/0.933A	1.375B/0.991A 1.339B/0.962A 1.313B/0.933A		1.251 + 0.179 .7150 1.217 + 0.175 .7049 1.184 + 0.173 .6948				
2345 2350	1.038	1.038	1.269B/0.905A 1.254B/0.876A	1.269B/0.905A 1.254B/0.876A		1.151 + 0.169 .6845 1.119 + 0.166 .6739			32	4 UNCH 482 + 9
2355 2360			1.202B/0.850A 1.170B/0.823A	1.202B/0.850A 1.170B/0.823A		1.087 + 0.162 .6633 1.056 + 0.159 .6528			1	33 UNCH 105 UNCH
2365 2370 2375	0.842	 0.842	1.149B/0.799A 1.117B/0.774A 1.093B/0.750A	1.149B/0.799A 1.117B/0.774A 1.093B/0.750A		1.025 + 0.155 .6418 0.995 + 0.151 .6309 0.966 + 0.148 .6200			5 65	56 UNCH
2380 2385	0.739	0.739	1.056B/0.726A 1.026B/0.703A	1.056B/0.726A 1.026B/0.703A		0.938 + 0.145 .6089 0.910 + 0.142 .5978			12	16 - 3 24 UNCH
2390 2395	 0 912	 0 912	0.997B/0.681A 0.969B/0.659A 0.949B/0.638A	0.997B/0.681A 0.969B/0.659A 0.949B/0.638A		0.882 + 0.138 .5866 0.855 + 0.135 .5754 0.829 + 0.132 .5642			1	10 UNCH
2400 2405 2410	0.912 0.677	0.912 0.677	0.949B/0.638A 0.919B/0.617A 0.892B/0.597A	0.949B/0.638A 0.919B/0.617A 0.892B/0.597A		0.829 + 0.132 .5642 0.804 + 0.130 .5529 0.779 + 0.127 .5417			130 3	851 + 26 29 UNCH 62 + 1
2415 2420	0.820	0.820	0.865B/0.577A 0.841B/0.558A	0.865B/0.577A 0.841B/0.558A		0.755 + 0.124 .5305 0.731 + 0.121 .5193			2	9 + 1 14 + 2
2425 2430	0.744	0.744	0.817B/0.539A 0.791B/0.522A 0.766B/0.503A	0.817B/0.539A 0.791B/0.522A 0.766B/0.503A		0.708 + 0.118 .5081 0.686 + 0.115 .4971			8 7	157 - 1 56 + 6
2435 2440 2445	0.687	 0.687	0.766B/0.503A 0.742B/0.486A 0.721B/0.470A	0.766B/0.503A 0.742B/0.486A 0.721B/0.470A		0.664 + 0.112 .4860 0.643 + 0.109 .4751 0.622 + 0.105 .4642			2 3 1	64 + 1
2450 2455	0.599	0.599	0.700/0.454A 0.676B/0.439A	0.700/0.454A 0.676B/0.439A		0.602 + 0.102 .4534 0.582 + 0.099 .4427			97 1	477 + 3 21 + 1
2460 2465	0.615	0.615 	0.655B/0.424A 0.634B/0.410A	0.655B/0.424A 0.634B/0.410A		0.564 + 0.097 .4323 0.545 + 0.094 .4218			37 2 1	27 + 7 36 - 1
2470 2475 2480	0.562	0.562	0.614B/0.396A 0.595B/0.382A 0.577B/0.369A	0.614B/0.396A 0.595B/0.382A 0.577B/0.369A		0.510 + 0.089 .4013 0.493 + 0.086 .3913			21	304 + 12
2485			0.557B/0.357A	0.557B/0.357A		0.477 + 0.084 .3814			3	35 UNCH

METALS OPTIONS PRODUCTS

Side 32

2023 DAILY INFORMATION BULLETIN - http://www.cmegroup.com/dailybulletin





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

	4	"2250			PRELIMINA				- •	21	2022	DCC 1
PG6	4 BULLE	TIN #225@	CLOREY	OPEN OUTCRY	METALS OPTION	PRODUCTS SETT.PRICE	EVED	OPEN OUTCRY	GLOBEX®			PG64 OPEN
	OPEN	OPEN OUTCRY OPEN RANGE	GLOBEX HIGH/LOW	HIGH/LOW	OPEN OUTCRY CLOSE RANGE	& PT.CHGE. DELTA	EXER CISES	VOLUME		VOLUME	INTER	
SO C		COMEX SILVER	OPTIONS									
2490 2495			0.539B/0.344A 0.523B/0.332A	0.539B/0.344A 0.523B/0.332A		0.461 + 0.082 .3717 0.446 + 0.080 .3622			7 1		46 + 22 +	5 1
2500 2505		0.365	0.505B/0.322A 0.488B/0.311A	0.505B/0.322A 0.488B/0.311A		0.431 + 0.078 .3527 0.417 + 0.076 .3435			250 		1756 + 35	199 UNCH
2510 2515 2520			0.472B/0.300A 0.457B/0.290A 0.441B/0.281A	0.472B/0.300A 0.457B/0.290A 0.441B/0.281A		0.403 + 0.074 .3344 0.390 + 0.072 .3256 0.377 + 0.070 .3169					30 4 34	UNCH UNCH UNCH
2525 2530			0.428B/0.271A 0.413B/0.260A	0.428B/0.271A 0.413B/0.260A		0.364 + 0.068 .3082 0.352 + 0.066 .2999			12		307 36	UNCH
2535 2540			0.400B/0.251A 0.386B/0.244A	0.400B/0.251A 0.386B/0.244A		0.340 + 0.064 .2916 0.329 + 0.063 .2837					6 27	UNCH
2545 2550	0.335	0.335 0.315	0.373B/0.236A 0.361B/0.226A 0.349B/0.219A	0.373B/0.236A 0.361B/0.226A 0.349B/0.219A		0.318 + 0.061 .2758 0.307 + 0.059 .2680 0.297 + 0.057 .2606			1 31 3		50 - 631 + 22 +	1 24 2
2555 2560 2565			0.337B/0.212A 0.325B/0.204A	0.337B/0.212A 0.325B/0.204A		0.287 + 0.056 .2533 0.277 + 0.054 .2459					20 7	UNCH UNCH
2570 2575			0.314B/0.197A 0.304B/0.190A	0.314B/0.197A 0.304B/0.190A		0.267 + 0.051 .2387 0.258 + 0.050 .2318			7		3 321 +	UNCH 5
2580 2585			0.293B/0.184A 0.284B/0.177A	0.293B/0.184A 0.284B/0.177A		0.250 + 0.049 .2254 0.241 + 0.047 .2187 0.233 + 0.046 .2124			1 		16 40 5	UNCH
2590 2595 2600	0.261	0.261 0.161	0.274B/0.171A #0.265B/0.165A 0.258/0.159A	0.274B/0.171A 0.265B/0.165A 0.258/0.159A		0.233 + 0.046 .2124 0.225 NEW .2061 0.218 + 0.043 .2004			1 380	300	1 + 1518 +	UNCH 1 220
2605 2610			#0.247B/0.154A #0.239B/0.149A	0.247B/0.154A 0.239B/0.149A		0.210 + 0.041 .1942 0.203 + 0.040 .1885			2		3 +	1 UNCH
2615 2620	0.205 0.191	0.205 0.191	#0.230B/0.144A #0.223B/0.139A	0.230B/0.144A 0.223B/0.139A		0.196 NEW .1829 0.189 NEW .1772			12 5		12 + 1 +	12
2625 2630 2650		 0.170	0.218B/0.134A #0.208B/0.129A 0.181B/0.113A	0.218B/0.134A 0.208B/0.129A 0.181B/0.113A		0.183 + 0.036 .1722 0.177 + 0.036 .1671 0.154 + 0.031 .1478			 11		104 1 210 +	UNCH UNCH 2
2675 2700		0.113	0.152B/0.095A 0.128B/0.081A	0.152B/0.095A 0.128B/0.081A		0.130 + 0.026 .1268 0.110 + 0.022 .1088			- <u>-</u> 1 63		113 - 533 +	1 35
2725 2750	0.085	0.085	0.108B/0.069A 0.092/0.059A	0.108B/0.069A 0.092/0.059A		0.093 + 0.019 .0932 0.079 + 0.016 .0800			1 15		130 388 -	UNCH 1
2775 2800 2825	0.042	0.042	0.078B/0.051A 0.066B/0.042 0.057B/0.038A	0.078B/0.051A 0.066B/0.042 0.057B/0.038A		0.067 + 0.013 .0686 0.057 + 0.011 .0588 0.049 + 0.009 .0508			2 1		54 236 40 +	UNCH UNCH 1
2850 2875	0.039 0.032	0.039 0.032	0.050/0.034A 0.042B/0.032	0.050/0.034A 0.042B/0.030A		0.043 + 0.008 .0445 0.037 + 0.007 .0385			7 11		77 + 36 -	5 11
2900 2925	0.039	0.039	0.039/0.025A 0.032B/0.023A	0.039/0.025A 0.032B/0.023A		0.033 + 0.006 .0342 0.029 + 0.005 .0300			3 		378 - 38	3 UNCH
2950 2975 3000		 0.023	0.028B/ 0.025B/ 0.024/0.023	0.028B/0.021A 0.025B/0.019A 0.024/0.017A		0.026 + 0.005 .0267 0.023 + 0.004 .0236 0.021 + 0.004 .0214			 20		179 68 373	UNCH UNCH UNCH
3025 3050	0.020	0.020	0.019B/ 0.020/0.020	0.019B/0.016A 0.020/0.015A		0.019 + 0.003 .0192 0.017 + 0.003 .0171			6		23 40	UNCH UNCH
3075 3100	0.015	0.015	0.016B/ 0.015/0.014 0.013B/	0.016B/0.014A 0.015/0.013A		0.016 + 0.003 .0159 0.015 + 0.003 .0147 0.014 + 0.003 .0136			 8 		74 462 + 17	UNCH 8
3125 3150 3175	0.012	0.012	0.013B/ 0.012/0.012 0.011B/	0.013B/0.012A 0.012/*0.011A 0.011B/0.011A		0.014 + 0.003 .0136 0.013 + 0.002 .0125 0.012 + 0.002 .0115			3		60 + 72	UNCH 3 UNCH
3200 3225	0.011	0.011	0.011/*0.011 	0.011/*0.010A 0.009B/0.010A		$ \begin{array}{rrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrr$			5 		83 + 165	1 UNCH
3250 3275			0.009B/	0.009B/0.010A 0.008B/*0.009A		0.010 + 0.002 .0093 0.010 + 0.002 .0091					61 15	UNCH
3300 3325 3350				0.008B/0.009A 0.007B/0.009A 0.007B/*0.008A		0.009 + 0.001 .0082 0.009 + 0.002 .0080 0.008 + 0.001 .0071					38 12 20	UNCH UNCH UNCH
3375 3400				0.007B/*0.008A 0.006B/*0.008A		$0.008 + 0.001 .0070 \\ 0.008 + 0.002 .0069$					37 68	UNCH UNCH
3450 3500				0.006B/0.008A 0.005B/*0.007A 0.005B/*0.007A		0.007 + 0.001 .0060 0.006 + 0.001 .0051 0.006 + 0.001 .0050					26 347 3	UNCH UNCH UNCH
3525 3550 3575				0.005B/*0.007A 0.005B/*0.007A 0.005B/*0.007A		0.006 + 0.001 .0030 0.006 + 0.001 .0049 0.006 + 0.001 .0048					33 63	UNCH
3600 3800				0.005B/*0.007A 0.004B/*0.006A		0.005 UNCH .0041 0.004 UNCH .0030					231 248	UNCH
4000 4200 4300		0.006 	0.006/*0.006 0.003B/	0.006/*0.005A 0.002B/*0.005A 0.003B/0.006A		0.003 UNCH .0022 0.003 UNCH .0020 0.003 + 0.001 .0019			1 		57 + 105 169	UNCH UNCH
5000 TOTA				/0.004A		0.002 UNCH .0011			1340	600	124 16674 +	UNCH 857
FEB2	4		6.382B/	6.382B/6.190A		6.221 + 0.262 .9912					31	UNCH
1800 1850 1900			5.882B/ 5.383B/	5.882B/5.691A 5.383B/5.193A		5.721 + 0.262 .9876 5.224 + 0.261 .9829					10 34	UNCH
1925 1950			5.136B/ 4.889B/	5.136B/4.946A 4.889B/4.714A		4.976 + 0.260 .9794 4.730 + 0.259 .9751					46 2	UNCH
1975 2000 2025			4.659B/ 4.401B/ 4.159B/3.648A	4.659B/4.428A 4.401B/4.228A 4.159B/3.648A		4.485 + 0.257 .9700 4.243 + 0.257 .9634 4.002 + 0.255 .9559					113 5 5	UNCH UNCH UNCH
2050 2075			3.920B/3.416A 3.712B/3.184A	3.920B/3.416A 3.712B/3.184A		3.764 + 0.253 .9465 3.529 + 0.250 .9350					2 3	UNCH
2125 2150			3.248B/2.737A 3.024B/2.520A	3.248B/2.737A 3.024B/2.520A		3.071 + 0.243 .9055 2.850 + 0.239 .8870					8	UNCH UNCH
2175 2200 2220			2.809B/2.316A 2.593B/2.114A 2.402B/	2.809B/2.316A 2.593B/2.114A 2.402B/2.246A		2.633 + 0.232 .8656 2.424 + 0.225 .8415 2.262 + 0.219 .8197			4		60 38 1	UNCH UNCH UNCH
2225 2235			2.385B/1.924A 2.280B/	2.385B/1.924A 2.280B/2.130A		2.222 + 0.217 .8140 2.144 + 0.213 .8023					13 7	UNCH
2240 2245			2.240B/ 2.201B/	2.240B/2.094A 2.201B/2.057A		2.106 + 0.212 .7962 2.067 + 0.210 .7898					2 4	UNCH UNCH
2250 2265 2270			2.185B/1.749A 2.045B/ 2.008B/	2.185B/1.749A 2.045B/1.897A 2.008B/1.861A		2.029 + 0.208 .7835 1.918 + 0.202 .7638 1.882 + 0.200 .7571					238 2 6	UNCH UNCH UNCH
2275 2280			1.993B/1.581A 1.933B/	1.993B/1.581A 1.933B/1.792A		1.846 + 0.198 .7502 1.811 + 0.196 .7433					11 4	UNCH UNCH
2290 2295 2300		 1.635	1.861B/ 1.825B/ 1.817B/1.420A	1.861B/1.724A 1.825B/1.690A 1.817B/1.420A		1.742 + 0.192 .7290 1.708 + 0.190 .7216 1.674 + 0.187 .7143			 2		1 2 189	UNCH UNCH UNCH
2300 2305 2310	1.033	1.035	1.755B/ 1.720B/1.346A	1.755B/1.625A 1.720B/1.346A		1.641 + 0.185 .7069 1.608 + 0.183 .6994			 		10	UNCH
2315 2320			1.686B/1.317A 1.653B/1.289A	1.686B/1.317A 1.653B/1.289A		1.576 + 0.181 .6917 1.544 + 0.178 .6840					15 9	UNCH UNCH
2325 2335 2340			1.649B/1.261A 1.557B/1.207A 1.526B/1.180A	1.649B/1.261A 1.557B/1.207A 1.526B/1.180A		1.513 + 0.176 .6763 1.451 + 0.171 .6607 1.421 + 0.169 .6529					20 60 4	UNCH UNCH UNCH
2340 2350 2355			1.489B/1.127A 1.449B/1.103A	1.489B/1.127A 1.449B/1.103A		1.362 + 0.164 .6370 1.333 + 0.161 .6290					333 4	UNCH
2360 2365			1.419B/1.077A 1.390B/1.054A	1.419B/1.077A 1.390B/1.054A		1.305 + 0.159 .6210 1.277 + 0.157 .6129					2 2	UNCH UNCH
2370 2375 2380			1.362B/1.030A 1.339B/1.007A 1.306B/0.984A	1.362B/1.030A 1.339B/1.007A 1.306B/0.984A		1.249 + 0.154 .6048 1.222 + 0.151 .5967 1.195 + 0.148 .5885					482 5	UNCH UNCH UNCH
2380 2385 2390			1.280B/0.962A 1.261B/0.940A	1.280B/0.962A 1.261B/0.940A		1.169 + 0.146 .5804 1.143 + 0.143 .5723					6 15	UNCH UNCH
2395 2400	0.933	0.933	1.233B/0.918A 1.205B/0.897A	1.233B/0.918A 1.205B/0.897A		1.118 + 0.141 .5641 1.093 + 0.138 .5560			9		8 318 -	UNCH 1
2405 2410			1.179B/0.876A 1.156B/0.856A 1.130B/0.836A	1.179B/0.876A 1.156B/0.856A 1.130B/0.836A		1.069 + 0.136 .5479 1.045 + 0.133 .5397 1.021 + 0.130 .5316					23 5 7	UNCH UNCH UNCH
2415 2425 2435	0.960	0.960	1.130B/0.836A 1.081B/0.798A 1.037B/0.761A	1.130B/0.836A 1.081B/0.798A 1.037B/0.761A		1.021 + 0.130 .5316 0.976 + 0.126 .5155 0.932 + 0.121 .4994			6 2		115 - 9 +	UNCH 5 2
2440 2445			1.011B/0.743A 0.989B/0.726A	1.011B/0.743A 0.989B/0.726A		0.911 + 0.119 .4915 0.891 + 0.117 .4836					7 6	UNCH UNCH
2450 2455			0.969B/0.708A 0.946B/0.691A 0.925B/0.674A	0.969B/0.708A 0.946B/0.691A 0.925B/0.674A		0.870 + 0.114 .4758 0.851 NEW .4680 0.831 + 0.110 .4603			5 2 		273 2 +	UNCH 2
2460 2465 2475			0.925B/0.674A 0.904B/0.659A 0.864B/0.628A	0.925B/0.674A 0.904B/0.659A 0.864B/0.628A		0.831 + 0.110 .4603 0.812 + 0.108 .4526 0.776 + 0.105 .4376					6 5 146	UNCH UNCH UNCH
2480 2485			0.844B/0.613A 0.827B/0.598A	0.844B/0.613A 0.827B/0.598A		0.758 + 0.103 .4301 0.741 + 0.101 .4227			17 		20 + 10	12 UNCH
2490 2495		 0.623	0.807B/0.584A 0.788B/0.571A 0.772B/0.557A	0.807B/0.584A 0.788B/0.571A 0.772B/0.557A		0.724 + 0.099 .4154 0.707 + 0.097 .4082 0.691 + 0.096 .4010			 3		6 10 231 +	UNCH UNCH 3
2500 2505 2510		0.623 	0.772B/0.557A 0.752B/0.544A 0.736B/0.532A	0.772B/0.557A 0.752B/0.544A 0.736B/0.532A		0.691 + 0.096 .4010 0.675 + 0.094 .3939 0.660 + 0.092 .3870			 		15 6	UNCH UNCH
			<u> </u>			AND TS EURNTSHED WITHOUT DE						

METALS OPTIONS PRODUCTS

Side 33

2023 DAILY INFORMATION BULLETIN - http://www.cmegroup.com/dailybulletin





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PG64	4 BULLET	ΓIN #225@		N	METALS OPTION P	RODUCTS			Tue,	Nov 21,	2023 PG64
	GLOBEX OPEN	OPEN OUTCRY OPEN RANGE	GLOBEX HIGH/LOW	OPEN OUTCRY HIGH/LOW	OPEN OUTCRY CLOSE RANGE	SETT.PRICE & PT.CHGE. DELTA	EXER CISES	OPEN OUTCRY VOLUME	GLOBEX® VOLUME	PNT VOLUME	OPEN INTEREST
SO CA		COMEX SILVER	OPTIONS								
2515 2520	0.575	0.575 	0.720B/0.519A 0.703B/0.506A 0.687B/0.494A	0.720B/0.519A 0.703B/0.506A 0.687B/0.494A		0.645 + 0.091 .3802 0.630 + 0.089 .3733 0.615 + 0.087 .3665			4 		12 UNCH 3 UNCH 75 UNCH
2525 2530 2535			0.673B/0.484A 0.656B/0.472A	0.673B/0.484A 0.656B/0.472A		0.601 + 0.085 .3599 0.587 + 0.083 .3533					5 UNCH 17 UNCH
2540 2545 2550			0.641B/0.461A 0.627B/0.450A 0.614B/0.439A	0.641B/0.461A 0.627B/0.450A 0.614B/0.439A		0.573 + 0.081 .3467 0.560 + 0.080 .3404 0.547 + 0.078 .3341			 27		2 UNCH 9 UNCH 146 - 5
2555 2560			0.598B/0.429A 0.585B/0.419A 0.573B/0.409A	0.598B/0.429A 0.585B/0.419A 0.573B/0.409A		0.535 + 0.077 .3280 0.522 + 0.075 .3218			1		6 + 1 29 UNCH 12 UNCH
2565 2570 2575	0.484	0.484	0.559B/0.400A 0.546B/0.390A	0.559B/0.400A 0.546B/0.390A		0.498 + 0.072 .3098 0.487 + 0.071 .3040			1		6 UNCH 32 UNCH
2585 2600 2605	0.416	0.416	0.521B/0.372A 0.486B/0.346A #0.474B/0.338A	0.521B/0.372A 0.486B/0.346A 0.474B/0.338A		0.465 + 0.068 .2927 0.433 + 0.064 .2760 0.423 + 0.062 .2707			40		8 UNCH 130 + 29 3 UNCH
2610 2625 2650	 0.341	 0.341	#0.463B/0.330A 0.432B/0.308A 0.386B/0.274A	0.463B/0.330A 0.432B/0.308A 0.386B/0.274A		0.413 + 0.061 .2654 0.385 + 0.057 .2502 0.343 + 0.051 .2268			 5		6 UNCH 32 UNCH 330 + 1
2675 2700	0.293	0.293	0.343B/0.244A 0.307B/0.218A 0.273B/0.195A	0.343B/0.244A 0.307B/0.218A		0.306 + 0.046 .2054 0.273 + 0.041 .1859			1 11		13 + 1 838 + 2
2725 2750 2775	0.224	0.224	0.245B/0.175A 0.219B/0.157A	0.273B/0.195A 0.245B/0.175A 0.219B/0.157A		0.244 + 0.037 .1682 0.218 + 0.033 .1521 0.196 + 0.030 .1380			30		205 UNCH 101 - 24 44 UNCH
2800 2825 2850	0.181 0.142	0.181 0.142	0.197B/0.141A 0.176B/0.127A 0.158B/0.115A	0.197B/0.141A 0.176B/0.127A 0.158B/0.115A	 	0.176 + 0.027 .1250 0.158 + 0.024 .1132 0.143 + 0.022 .1030			1 1		114 UNCH 31 UNCH 24 UNCH
2875 2900	0.129	0.129	0.142B/0.104A 0.129/0.094A 0.116B/0.086A	0.142B/0.104A 0.129/0.094A 0.116B/0.086A		0.129 + 0.019 .0936 0.117 + 0.018 .0852 0.106 + 0.016 .0776			1		22 UNCH 104 UNCH 194 UNCH
2925 2950 2975			0.105B/0.078A 0.096B/0.071A	0.105B/0.078A 0.096B/0.071A		0.096 + 0.014 .0706 0.088 + 0.013 .0648					32 UNCH 23 UNCH
3000 3025 3050	0.087 0.077 0.072	0.087 0.077 0.072	0.088B/0.065A 0.080B/0.060A 0.074/0.055A	0.088B/0.065A 0.080B/0.060A 0.074/0.055A		0.080 + 0.011 .0591 0.073 + 0.010 .0541 0.067 + 0.009 .0497			3 3 6		79 UNCH 159 - 1 78 + 6
3075 3100 3125	0.065 0.060 0.054	0.065 0.060 0.054	0.067/0.051A 0.062B/0.048A 0.057B/0.044A	0.067/0.051A 0.062B/0.048A 0.057B/0.044A		0.062 + 0.008 .0459 0.057 + 0.007 .0423 0.053 + 0.007 .0392			12 2 1		25 + 11 119 UNCH 26 UNCH
3150 3175	0.048	0.048	0.053B/0.041A 0.049B/0.039A	0.053B/0.041A 0.049B/0.039A		0.049 + 0.006 .0362 0.045 + 0.005 .0333			6 		14 + 5 47 UNCH
3200 3225 3250	0.043	0.043	0.045B/0.036A 0.042B/0.034A 0.039B/0.032A	0.045B/0.036A 0.042B/0.034A 0.039B/0.032A		0.042 + 0.004 .0310 0.039 + 0.004 .0288 0.037 + 0.004 .0272			3		80 + 3 3 UNCH 70 UNCH
3275 3300 3325	0.035	0.035 	0.036B/0.030A 0.034B/ 0.031B/	0.036B/0.030A 0.034B/0.029A 0.031B/0.027A		0.034 + 0.003 .0250 0.032 + 0.003 .0234 0.030 + 0.003 .0219			3 		6 + 3 163 UNCH 5 UNCH
3350 3375 3400	0.026	 0.026	0.030B/ 0.028B/ 0.026/0.025	0.030B/0.026A 0.028B/0.025A 0.026/0.023A		$ \begin{array}{rrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrr$			 19		7 UNCH 36 UNCH 17 UNCH
3450 3475			0.023B/ 0.022B/	0.023B/0.021A 0.022B/0.020A		0.022 + 0.002 .0159 0.021 + 0.002 .0151					9 UNCH 16 UNCH
3500 3525 3550			0.020B/ 0.019B/ 0.018B/	0.020B/0.020A 0.019B/0.019A 0.018B/0.018A		0.020 + 0.002 .0143 0.019 + 0.002 .0135 0.018 + 0.002 .0128					34 UNCH 5 UNCH 83 UNCH
3575 4000 TOTAI	0.017	0.017	0.018B/*0.017 0.009B/	0.018B/*0.017 0.009B/0.011A		0.017 + 0.001 .0120 0.009 + 0.001 .0059			1 232	 0	8 - 1 16 UNCH 6751 + 44
MAR24 1800			6.377B/	6.377B/6.196A		6.222 + 0.262 .9825			21		37 + 21
1825 1850			6.129B/ 5.881B/ 5.635B/	6.129B/5.949A 5.881B/5.702A 5.635B/5.471A		5.973 + 0.260 .9791 5.726 + 0.260 .9755 5.481 + 0.259 .9714					6 UNCH 4 UNCH 2 UNCH
1875 1900 1925			5.391B/ 5.148B/	5.391B/5.228A 5.148B/4.987A		5.237 + 0.259 .9666 4.995 + 0.257 .9606					16 UNCH 1 UNCH
1950 1975 2000			4.908B/4.400A 4.671B/4.168A 4.464B/3.936A	4.908B/4.400A 4.671B/4.168A 4.464B/3.936A		4.755 + 0.256 .9535 4.518 + 0.254 .9453 4.284 + 0.252 .9356					1 UNCH 17 UNCH 45 UNCH
2025 2075 2100			4.464B/3.936A 4.230B/3.712A 3.780B/3.271A 3.555B/3.055A	4.230B/3.712A 3.780B/3.271A 3.555B/3.055A		4.053 + 0.250 .9248 3.602 + 0.243 .8977 3.383 + 0.239 .8820					1 UNCH 1 UNCH 6 UNCH
2125 2150 2175			3.340B/2.847A 3.124B/2.647A 2.917B/2.455A 2.719B/2.271A	3.340B/2.847A 3.124B/2.647A 2.917B/2.455A		3.169 + 0.234 .8639 2.961 + 0.229 .8440 2.759 + 0.222 .8219					6 UNCH 56 UNCH 7 UNCH
2200 2225			2.719B/2.271A 2.530B/2.095A 2.341B/1.927A	2.719B/2.271A 2.530B/2.095A 2.341B/1.927A		2.565 + 0.216 .7980 2.378 + 0.208 .7720 2.199 + 0.199 .7442					43 UNCH 5 UNCH
2250 2275 2300			2.170B/1.775A 1.999B/1.607A	2.170B/1.775A 1.999B/1.607A		2.029 + 0.190 .7149 1.868 + 0.180 .6841					33 UNCH 136 UNCH
2325 2350 2375	1.500	1.500	1.846B/1.469A 1.693B/1.342A 1.553B/1.224A	1.846B/1.469A 1.693B/1.342A 1.553B/1.224A		1.716 + 0.170 .6524 1.574 + 0.159 .6198 1.441 + 0.149 .5869			1		22 UNCH 209 + 1 239 UNCH
2400 2425 2450	1.322 1.245	1.322 1.245	1.430/1.116A 1.306B/1.016A 1.198B/0.925A	1.430/1.116A 1.306B/1.016A 1.198B/0.925A		1.318 + 0.138 .5538 1.204 + 0.128 .5210 1.100 + 0.120 .4889			13 116 17		532 - 5 146 + 68 184 - 9
2475 2500 2525	0.950 0.869	0.950 0.869	1.092B/0.842A 1.002B/0.767A 0.913B/0.698A	1.092B/0.842A 1.002B/0.767A 0.913B/0.698A		1.004 + 0.112 .4577 0.916 + 0.103 .4276 0.836 + 0.096 .3989			26 1		37 UNCH 742 + 21 80 UNCH
2550 2575			0.837B/0.636A 0.761B/0.582A	0.837B/0.636A 0.761B/0.582A		0.764 + 0.091 .3716 0.697 + 0.084 .3456			1		163 + 1 15 UNCH
2600 2625 2650	0.665 	0.665 	0.699B/0.531A 0.638B/0.483A 0.585B/0.443A	0.699B/0.531A 0.638B/0.483A 0.585B/0.443A		0.637 + 0.078 .3212 0.583 + 0.073 .2985 0.533 + 0.068 .2770			100 		777 + 71 115 UNCH 208 UNCH
2675 2700 2725	0.389	0.389	0.533B/0.406A 0.491B/0.372A 0.449B/0.341A	0.533B/0.406A 0.491B/0.372A 0.449B/0.341A		0.488 + 0.063 .2570 0.448 + 0.059 .2386 0.411 + 0.055 .2214			3		221 UNCH 757 + 3 25 UNCH
2750 2775 2800	0.398 0.349 0.289	0.398 0.349 0.289	0.413B/0.314A 0.379B/0.289A 0.349B/0.266A	0.413B/0.314A 0.379B/0.289A 0.349B/0.266A		0.377 + 0.050 .2053 0.347 + 0.047 .1906 0.319 + 0.042 .1768			8 9 157		161 + 8 75 + 4 556 + 88
2825 2850			0.321B/0.246A 0.297B/0.227A 0.273B/0.211A	0.321B/0.246A 0.297B/0.227A		0.294 + 0.039 .1642 0.271 + 0.035 .1525					8 UNCH 3 UNCH
2875 2900 2925	0.256	0.256	0.256/0.195A 0.234B/0.182A	0.273B/0.211A 0.256/0.195A 0.234B/0.182A		0.232 + 0.030 .1321 0.215 + 0.028 .1230			5 		118 UNCH 459 - 3 22 UNCH
2950 2975 3000	0.220 0.146	0.220 0.146	0.220/0.169A 0.201B/0.157A 0.186B/0.145	0.220/0.169A 0.201B/0.157A 0.186B/0.145		0.200 + 0.026 .1148 0.186 + 0.024 .1072 0.173 + 0.022 .1000			4 95		38 + 4 69 UNCH 890 + 54
3025 3050 3075			0.173B/0.136A 0.161B/0.127A 0.150B/0.119A	0.173B/0.136A 0.161B/0.127A 0.150B/0.119A		0.161 + 0.020 .0934 0.150 + 0.018 .0873 0.141 + 0.018 .0821			1 		24 + 1 20 UNCH 8 UNCH
3100 3125			0.140B/0.112A 0.131B/0.105A	0.140B/0.112A 0.131B/0.105A		0.132 + 0.016 .0770 0.124 + 0.016 .0724					19 UNCH 31 UNCH
3150 3175 3200			0.123B/0.098A 0.115B/0.093A 0.109B/0.087A	0.123B/0.098A 0.115B/0.093A 0.109B/0.087A		0.116 + 0.014 .0678 0.109 + 0.013 .0638 0.103 + 0.013 .0602			<u>4</u> 1		80 + 3 30 UNCH 112 + 1
3225 3250 3275			0.102B/0.082A 0.096B/0.078A 0.091B/0.073A	0.102B/0.082A 0.096B/0.078A 0.091B/0.073A		0.097 + 0.012 .0567 0.092 + 0.012 .0537 0.087 + 0.011 .0508					4 UNCH 249 UNCH 35 UNCH
3300 3325 3350			0.086B/0.069A 0.081B/0.066A 0.077B/0.063A	0.086B/0.069A 0.081B/0.066A 0.077B/0.063A		0.082 + 0.010 .0479 0.078 + 0.010 .0455 0.074 + 0.010 .0431					35 UNCH 127 UNCH 81 UNCH 24 UNCH
3375 3400	0.066	0.066	0.073B/0.059A 0.069B/0.056A	0.073B/0.059A 0.069B/0.056A		0.070 + 0.009 .0408 0.067 + 0.009 .0389			12		34 UNCH 102 - 8
3425 3450 3475	0.061 0.058 	0.061 0.058	0.065B/0.054A 0.062B/0.051A 0.059B/0.049A	0.065B/0.054A 0.062B/0.051A 0.059B/0.049A		0.063 + 0.008 .0366 0.060 + 0.007 .0348 0.057 + 0.007 .0331			2 8 		23 + 2 44 + 5 18 UNCH
3500 3525 3550	0.053 0.050	0.053 0.050	0.056/0.047A 0.054B/ 0.051B/0.048	0.056/0.047A 0.054B/0.045A 0.051B/0.043A		0.055 + 0.007 .0318 0.052 + 0.007 .0301 0.050 + 0.007 .0288			5 7		1594 UNCH 18 UNCH 86 + 7
3575 3600 3625	0.045	0.045	0.049B/ 0.046B/0.045 0.044B/	0.049B/0.041A 0.046B/0.039A 0.044B/0.038A		0.048 + 0.007 .0276 0.046 + 0.007 .0264 0.044 + 0.007 .0252			5		24 UNCH 40 + 5 11 UNCH
3650 3675 3700			0.042B/ 0.041B/ 0.039B/	0.042B/0.036A 0.041B/0.035A 0.039B/0.034A		0.042 + 0.007 .0240 0.041 + 0.007 .0233 0.039 + 0.007 .0222			2		26 UNCH 12 + 2 253 UNCH
4000 4250 4500	0.025	0.025 	0.025/0.025 0.015B/ 0.011B/	0.025/0.023A 0.015B/0.019A 0.011B/0.016A		0.023 + 0.004 .0130 0.015 + 0.002 .0084 0.011 + 0.001 .0061			1 		919 UNCH 15 UNCH 475 UNCH

METALS OPTIONS PRODUCTS

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2023 DAILY INFORMATION BULLETIN - http://www.cmegroup.com/dailybulletin





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

Mart			#2250			PRELIMINA				21	2022	
Column	PG64			GLOREY				FYFR				
Column C		OPEN	OPEN RANGE	HIGH/LOW								
	MAR24				0 009R/0 014A		0.009 + 0.001 0049		 		121	IINCH
Section Sect	5000 6000				0.007B/*0.009A 0.003B/0.008A		0.007 + 0.001 .0037 0.003 UNCH .0015		 		359 28	UNCH UNCH
	10000										74	UNCH
	APR24						6.709 + 0.258 .9778		 		1	UNCH
1	1975 2000			4.730B/4.220A	4.730B/4.220A		4.785 + 0.248 .9308 4.556 + 0.247 .9208		 		1	UNCH
1.	2250 2300			2.652B/2.249A 2.311B/1.935A	2.652B/2.249A 2.311B/1.935A		2.515 + 0.201 .7444 2.184 + 0.185 .6927		 		8 5	UNCH UNCH
	2375			1.862B/1.519A 1.731B/1.403A	1.862B/1.519A 1.731B/1.403A		1.750 + 0.160 .6090 1.622 + 0.152 .5804		 		170 370	UNCH UNCH
1.00	2450			1.491B/1.196A	1.491B/1.196A		1.391 + 0.135 .5235		 		7	UNCH
1.	2500 2525			1.280B/1.021A 1.182B/0.943A	1.280B/1.021A 1.182B/0.943A		1.191 + 0.119 .4687 1.102 + 0.111 .4425		 		106 6	UNCH UNCH
	2575 2600			1.010B/0.805A 0.943B/0.745A	1.010B/0.805A 0.943B/0.745A		0.945 + 0.098 .3931 0.875 + 0.092 .3699		 		11 83	UNCH UNCH
1	2700			0.698B/0.551A	0.698B/0.551A		0.648 + 0.072 .2888 0.602 + 0.067 .2712		 		7	UNCH
1.	2750 2775			0.560B/0.444A	0.560B/0.444A		0.521 + 0.059 .2393		 		1	UNCH
1	2825 2850			0.487B/0.386A 0.454B/0.361A	0.487B/0.386A 0.454B/0.361A		0.452 + 0.051 .2111 0.422 + 0.048 .1985		 		13 3	UNCH
Section	2900 2925			0.397B/0.316A 0.371B/0.297A	0.397B/0.316A 0.371B/0.297A		0.369 + 0.042 .1756 0.345 + 0.038 .1652		 		2 44	UNCH UNCH
10.00	3000			0.306B/0.247A	0.306B/0.247A		0.286 + 0.032 .1385 0.269 + 0.030 .1307		 		186	UNCH
1.00	3050 3100			0.270B/0.220A 0.239B/0.196A	0.239B/0.196A		0.253 + 0.028 .1234 0.225 + 0.025 .1102		 		10	UNCH
1222	3150 3175			0.213B/0.175A 0.201B/0.166A	0.213B/0.175A 0.201B/0.166A		0.202 + 0.023 .0991 0.191 + 0.021 .0939		 		11 32	UNCH UNCH
100 1,144/0,1128.	3225 3250			0.181B/0.149A 0.171B/0.142A	0.181B/0.149A 0.171B/0.142A		0.172 + 0.019 .0847 0.163 + 0.017 .0803		 		25 18	UNCH UNCH
1350	3300			0.154B/0.128A 0.147B/0.122A	0.154B/0.128A		0.148 + 0.016 .0729		 		11	UNCH
3430 0.112 0.112 #0.1166/0.097A	3350 3375			0.133B/0.111A	0.133B/0.111A		0.135 + 0.015 .0664 0.129 + 0.014 .0634		 		74	UNCH
1500	3450			#0.116B/0.097A	0.116B/0.097A		0.113 NEW .0554		4		4 +	
1,000	1500											
2100	2000			4.776B/4.279A	4.776B/4.279A		4.606 + 0.242 .9015		 		5	UNCH
2200	2100 2150			3.517B/3.068A	3.517B/3.068A		3.360 + 0.220 .8108		 		7 15	UNCH
2275 - 2.6174/2.229A 2.6178/2.229A 2.6178/2.229A 2.463 + 0.190 .7032 - 1.1 MICH 2012 - 2.1001/1.930A	2200 2225			3.133B/2.709A 2.953B/2.540A	3.133B/2.709A 2.953B/2.540A		2.989 + 0.209 .7709 2.814 + 0.204 .7492		 		11 5	UNCH UNCH
2350	2275 2300			2.617B/2.229A 2.454B/2.065A	2.617B/2.229A 2.454B/2.065A		2.483 + 0.190 .7032 2.329 + 0.182 .6790				12 14	UNCH UNCH
2400 1.660 1.660 1.8948/1.569A 1.8948/1.569A 1.8948/1.569A 1.8948/1.369A	2350			2.157B/1.802A 2.025B/1.681A	2.157B/1.802A		2.042 + 0.166 .6291 1.910 + 0.158 .6037		 		37	UNCH
2475 - 1.5528/1-272A	2400 2425			1.772B/1.462A	1.772B/1.462A		1.668 + 0.142 .5527		 		6	UNCH
1.556	2475 2500			1.552B/1.272A 1.451B/1.186A	1.552B/1.272A 1.451B/1.186A		1.456 + 0.128 .5027 1.360 + 0.121 .4786		 		2 104	UNCH UNCH
2625	2550 2575			1.269B/1.034A 1.182B/0.965A	1.269B/1.034A 1.182B/0.965A		1.188 + 0.108 .4324 1.111 + 0.103 .4106		 		85 25	UNCH UNCH
2675	2625			1.035B/0.845A	1.035B/0.845A		0.973 + 0.093 .3696 0.911 + 0.087 .3504		 		86	UNCH
2750	2675 2700			0.856B/0.694A	0.856B/0.694A		0.801 + 0.079 .3148		 		276	UNCH
2875	2750 2800			0.754B/0.611A 0.666B/0.540A	0.754B/0.611A 0.666B/0.540A		0.706 + 0.071 .2827 0.623 + 0.062 .2538		 		97 208	UNCH UNCH
2975	2875 2900			0.555B/0.451A 0.523B/0.426A	0.555B/0.451A 0.523B/0.426A		0.521 + 0.053 .2165 0.491 + 0.049 .2053		 		10 10	UNCH UNCH
3055	2975			0.441B/0.361A 0.417B/0.342A	0.441B/0.361A		0.414 + 0.042 .1757		 		10	UNCH
13150	3050			0.374B/0.308A	0.374B/0.308A		0.352 + 0.035 .1511		 		1	
3250	3150 3200			0.304B/0.253A 0.275B/0.231A	0.304B/0.253A 0.275B/0.231A		0.287 + 0.029 .1245 0.261 + 0.026 .1135		 		105 86	UNCH
3350	3250 3300			0.250B/0.211A 0.228B/0.193A	0.250B/0.211A 0.228B/0.193A		0.238 + 0.024 .1037 0.218 + 0.022 .0951		 		1 58	UNCH UNCH
3425	3350			0.208B/0.178A 0.191B/0.164A	0.208B/0.178A		0.200 + 0.020 .0873 0.184 + 0.018 .0804		 		10 44	UNCH
3550	3425 3450			0.176B/0.151A	0.176B/0.151A		0.170 + 0.017 .0742		 		2	UNCH
3650 0.128B/0.113A 0.128B/0.105A 0.126 + 0.012 .054B 2 UNCH 3770 0.120B/0.105A 0.120B/0.105A 0.117 + 0.010 .050B 4 UNCH 4000 0.016B/0.102A 0.116B/0.102A 0.116B/0.102A 0.114 + 0.011 .0494 11 UNCH 4000 0.080B/ 0.080B/ 0.080B/0.073A 0.081 + 0.008 .0346 13 UNCH 4500 0.045B/ 0.045B/ 0.045B/ 0.045B/ 0.050 + 0.060 .0207 297 UNCH 5000 0.028B/0.032A 0.034 + 0.005 .0136 27 UNCH 6000 0.028B/0.032A 0.014B/0.019A 0.019 + 0.003 .0072 603 UNCH 10000 0.002B/0.007A 0.002B/0.007A 0.005 - 0.001 .0016 603 UNCH 10000 603 UNCH 10000 604 UNCH 1855 6.608B/6.146A 6.608B/6.146A 6.491 + 0.247 .9415 603 UNCH 1850 6.435B/5.922A 6.435B/5.922A 6.258 + 0.246 .9347 6 UNCH 1900 5.970B/5.460A 5.970B/5.460A 5.970B/5.460A 15.970B/5.460A 15.970B/5.490A 15.970B/5.4	3550 3600			0.149B/0.130A 0.138B/0.121A	0.149B/0.130A 0.138B/0.121A		0.145 + 0.013 .0633 0.135 + 0.012 .0588		 		8 129 +	UNCH 18
4000 0.080B/ 0.080B/.073A 0.081 + 0.008 .0346 13 UNCH 4500 0.045B/ 0.045B/ 0.045B/ 0.045B/ 0.050 h.0.066 .0207 297 UNCH 6000 0.014B/0.019A 0.014B/0.019A 0.019 + 0.003 .0072 603 UNCH 10000 60 UNCH 1850 6.668B/6.146A 6.608B/6.146A 6.491 + 0.247 .9415 7 UNCH 1850 6.435B/5.922A 6.435B/5.922A 6.258 + 0.246 .9347 6 UNCH 1900 5.970B/5.460A 5.970B/5.460A 5.799 + 0.241 .9193 16 UNCH 1900 3.871B/3.444A 3.871B/3.444A 3.730 + 0.212 .7937 11 UNCH 2250 3.8151B/3.106A 3.515B/3.106A 3.515	3650 3700			0.128B/0.113A 0.120B/0.105A	0.128B/0.113A 0.120B/0.105A		0.126 + 0.012 .0548 0.117 + 0.010 .0508		 		2 4	UNCH UNCH
5000 0.028B/0.032A 0.034 + 0.005 .0136 27 UNCH 6000 0.014B/0.019A 0.019 + 0.003 .0072 603 UNCH 10000 0.002B/0.007A 0.005 - 0.001 .0016 60 UNCH 1800 66 UNCH 1825 6.608B/6.146A 6.608B/6.146A 6.491 + 0.247 .9415 7 UNCH 1850 6.435B/5.922A 6.435B/5.922A 6.258 + 0.246 .9347 60 UNCH 1900 5.970B/5.460A 5.970B/5.460A 5.970B/5.460A 16 UNCH 12150 3.871B/3.444A 3.871B/3.444A 3.730 + 0.212 .7937 11 UNCH 12250 3.165B/2.782A 3.1065B/2.782A 3.165B/2.339A 2.857B/2.496A 2.857B/2.496A 2.857B/2.496A 2.715B/2.339A 2.717B/2.339A 2.717B/2.339A 2.199 + 0.158 .5959 59 UNCH 2400 2.185B/1.866A 2.185B/1.366A 2.185B/1.866A 51 UNCH 2400 2.185B/1.866A 2.185B/1.366A 2.185B/1.866A 51 UNCH 2400 2.185B/1.866A 2.185B/1.366A 51 UNCH 2405 51 UNCH 2405 2.185B/1.866A 51 UNCH 2405 51 UNCH 2405 2.185B/1.866A 51 UNCH 2405 51 U	4000			0.080B/	0.080B/0.073A		0.081 + 0.008 .0346		 		13	UNCH
TOTAL JUL24 1825 6.6088/6.146A 6.6088/6.146A 6.491 + 0.247 .9415 7 UNCH 1850 6.4358/5.922A 6.4358/5.922A 6.258 + 0.246 .9347 6 UNCH 1900 5.9708/5.460A 5.9708/5.460A 5.799 + 0.241 .9193 16 UNCH 2150 3.8718/3.444A 3.8718/3.444A 3.730 + 0.212 .7937 16 UNCH 2250 3.5158/3.106A 3.5158/3.106A 3.374 + 0.203 .7584 6 UNCH 2250 3.1658/2.782A 3.1658/2.782A 6.2886 + 0.187 .7005 25 UNCH 2275 3.0118/2.639A 3.0118/2.639A 2.886 + 0.187 .7005 1 UNCH 2330 2.8578/2.496A 2.8578/2.496A 2.735 + 0.181 .6801 75 UNCH 2325 2.1858/1.866A 2.3028/1.975A 2.3028/1.975A 2.199 + 0.158 .5959 15 UNCH 2400 2.3028/1.975A 2.3028/1.975A 2.3028/1.975A 2.1099 + 0.158 .5959 15 UNCH 2425 2.1858/1.866A 2.1858/1.866A 2.081 + 0.152 .5747 15 UNCH	5000 6000				0.028B/0.032A 0.014B/0.019A		0.034 + 0.005 .0136 0.019 + 0.003 .0072		 		27 603	UNCH UNCH
1825 6. 6088/6. 146A 6. 6088/6. 146A 6. 491 + 0.247 .9415 7 UNCH 1850 6. 4358/5. 922A 6. 4358/5. 922A 6. 258 + 0.246 .9347 6 UNCH 1900 5. 9708/5. 460A 5. 9708/5. 460A 5. 799 + 0.241 .9193 16 UNCH 2150 3. 8718/3. 444A 3. 8718/3. 444A 3. 730 + 0.212 .7937 1 UNCH 2250 3. 158/3. 106A 3. 5158/3. 106A 3. 374 + 0.203 .7584 6 UNCH 2275 3. 1658/2. 782A 3. 1658/2. 782A 3. 042 + 0.192 .7204 25 UNCH 2375 3. 0118/2. 639A 3. 0118/2. 639A 2. 886 + 0.187 .7005 1 UNCH 2300 2. 8578/2. 496A 2. 735 + 0.181 .6801 75 UNCH 2325 2. 2. 7178/2. 339A 2. 7178/2. 339A 2. 592 + 0.161 .6594	TOTAL				0.002b/ 0.00/A		0.001 .0010					
2150 3.871B/3.444A 3.871B/3.444A 3.730 + 0.212 7937 1 UNCH 2200 3.515B/3.106A 3.515B/3.106A 3.515B/3.106A 3.374 + 0.203 .7584 6 UNCH 2250 3.165B/2.782A 3.165B/2.782A 3.042 + 0.192 .7204 25 UNCH 2275 3.011B/2.639A 3.011B/2.639A 2.886 + 0.187 .7005 1 UNCH 2300 2.857B/2.496A 2.735 + 0.181 .6801 75 UNCH 2305 2.217B/2.339A 2.717B/2.339A 2.592 + 0.176 .6594 1 UNCH 2400 2.302B/1.975A 2.302B/1.975A 2.185B/1.866A 2.081 + 0.152 .5747 59 UNCH 2425 2.185B/1.866A 2.185B/1.866A 2.081 + 0.152 .5747 59 UNCH	1825 1850			6.435B/5.922A	6.435B/5.922A		6.258 + 0.246 .9347				6	UNCH
2250 3.1658/2.782A 3.1658/2.782A 3.042 + 0.192 .7204 25 UNCH 2275 3.0118/2.639A 3.0118/2.639A 2.886 + 0.187 .7005 1 UNCH 2300 2.8578/2.496A 2.8578/2.496A 2.735 + 0.181 .6801 75 UNCH 2325 2.7178/2.339A 2.7178/2.339A 2.592 + 0.176 .6594 1 UNCH 2400 2.3028/1.975A 2.3028/1.975A 2.199 + 0.158 .5959 59 UNCH 2425 2.1858/1.866A 2.1858/1.866A 2.081 + 0.152 .5747 15 UNCH	2150 2200			3.871B/3.444A 3.515B/3.106A	3.871B/3.444A 3.515B/3.106A		3.730 + 0.212 .7937 3.374 + 0.203 .7584		 		1 6	UNCH UNCH
2325 2.717a/2.339A 2.717a/2.339A 2.592 + 0.176 6594 1 UNCH 2400 2.302b/1.975A 2.302b/1.975A 2.199 + 0.158 5959 59 UNCH 2425 2.185b/1.866A 2.185b/1.866A 2.081 + 0.152 5.747 15 UNCH	2250 2275			3.165B/2.782A 3.011B/2.639A	3.165B/2.782A 3.011B/2.639A 2.857B/2.496A		2.886 + 0.187 .7005 2.735 + 0.181 .6801		 		1	UNCH
	2325 2400			2.717B/2.339A 2.302B/1.975A	2.717B/2.339A 2.302B/1.975A		2.592 + 0.176 .6594 2.199 + 0.158 .5959		 		1 59	UNCH UNCH
2475 1.9648/1.667A 1.9648/1.667A 1.864 + 0.140 .5326 50 50 + 49	2450 2475			2.068B/1.763A 1.964B/1.667A	2.068B/1.763A 1.964B/1.667A		1.970 + 0.146 .5535 1.864 + 0.140 .5326		 		127 50 +	UNCH 49
2500 1.8508/1.576A 1.8508/1.576A 1.764 + 0.134 .5121 1.5508/1.576A 1.8508/1.576A 1.6658/1.410A 1.582 + 0.123 .4726 32 UNCH 2600 1.4928/1.263A 1.4928/1.263A 1.421 + 0.113 .4353 435 UNCH	2550		 	1.665B/1.410A	1.665B/1.410A		1.582 + 0.123 .4726		 		32	UNCH

METALS OPTIONS PRODUCTS

Side 35

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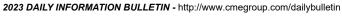


20 South Wacker Drive, Chicago, Illinois 60606-7499. Customer Service: (312) 930-1000

4					cker Drive, Chicago, tomer Service: (312) PRELIMINAR								
PG	64 BULLET	IN #225@		ME	TALS OPTION PR	ODUCTS			0.051	Tue,	Nov 21,	2023 PG	64
	GLOBEX OPEN	OPEN OUTCRY OPEN RANGE	GLOBEX HIGH/LOW	OPEN OUTCRY HIGH/LOW	OPEN OUTCRY CLOSE RANGE	SETT.PRICE & PT.CHGE.	DELTA	EXER CISES	OPEN OUTCRY VOLUME	GLOBEX® VOLUME	PNT VOLUME	OPE INTERES	
JUL 262 265 270 272	5 0 0 5	COMEX SILVER OF	1.417B/1.197A 1.345B/1.134A 1.213B/1.023A 1.149B/0.971A 1.096B/0.923A	1.417B/1.197A 1.345B/1.134A 1.213B/1.023A 1.149B/0.971A 1.096B/0.923A	 	1.347 + 0.108 1.278 + 0.103 1.152 + 0.094 1.095 + 0.091 1.041 + 0.087	3 .4004 4 .3680 L .3529		 		 	22 UI 263 UI 9 UI	NCH NCH NCH NCH NCH
275 277 280 282 285	5 0 5 0	 	1.042B/0.877A 0.992B/0.834A 0.944B/0.794A 0.899B/0.756A	1.042B/0.877A 0.992B/0.834A 0.944B/0.794A 0.899B/0.756A	 	0.990 + 0.083 0.942 + 0.079 0.897 + 0.076 0.854 + 0.072	3 .3243 3 .3108 5 .2980 2 .2857					7 UI 115 UI 4 UI 14 UI	NCH NCH NCH NCH
287 290 292 295 300	0 5 0		0.857B/0.721A 0.817B/0.688A 0.779B/0.656A 0.743B/0.627A 0.678B/0.573A	0.857B/0.721A 0.817B/0.688A 0.779B/0.656A 0.743B/0.627A 0.678B/0.573A		0.814 + 0.069 0.776 + 0.066 0.740 + 0.063 0.707 + 0.063 0.645 + 0.059	3 .2628 3 .2520 4 .2419 5 .2228					13 UN 3 UN 12 UN 2853 UN	NCH NCH NCH NCH NCH
310 312 320 322 330	5 0 5	 0.405	0.568B/0.482A 0.544B/0.463A 0.480B/0.410A 0.461B/0.394A 0.409B/0.352A	0.568B/0.482A 0.544B/0.463A 0.480B/0.410A 0.461B/0.394A 0.409B/0.352A		0.541 + 0.046 0.519 + 0.045 0.459 + 0.040 0.441 + 0.039 0.392 + 0.034	.1826 .1628 .1568			 1		4 Ur 28 Ur	NCH NCH NCH NCH 1
340 345 347 350	0 0 5 0 0.301	0.301	0.351B/0.305A 0.327B/0.284A 0.315B/0.275A 0.304B/0.266A 0.284B/0.249A	0.351B/0.305A 0.327B/0.284A 0.315B/0.275A 0.304B/0.266A 0.284B/0.249A	 	0.338 + 0.029 0.315 + 0.027 0.304 + 0.029 0.294 + 0.024 0.275 + 0.023	9 .1217 7 .1136 5 .1098 4 .1062			1		2 Ur 2 Ur 2 Ur 2122 Ur	NCH NCH NCH NCH NCH
355 357 360 367 370	5 0 5 0 0.223	 0.223	0.274B/0.241A 0.265B/0.234A 0.241B/0.213A 0.233B/0.207A	0.274B/0.241A 0.265B/0.234A 0.241B/0.213A 0.233B/0.207A	 	0.266 + 0.021 0.258 + 0.021 0.235 + 0.019 0.228 + 0.018	.0963 .0934 .0851 .0825			 1		2 Ur 3 Ur 5 Ur 7 Ur	NCH NCH NCH NCH
372 375 380 385 400	0 0		0.226B/0.201A 0.219B/0.195A 0.206B/0.185A 0.195B/0.175A 0.165B/0.150A	0.226B/0.201A 0.219B/0.195A 0.206B/0.185A 0.195B/0.175A 0.165B/0.150A		0.221 + 0.017 0.215 + 0.017 0.203 + 0.016 0.192 + 0.015 0.164 + 0.013	7 .0778 5 .0734 6 .0694					203 UN 11 UN 1 UN	NCH NCH NCH NCH NCH
410 450 490 500 600	0 0 0 0		0.149B/ 0.103B/ 0.075B/ 0.070B/ 0.037B/	0.149B/0.136A 0.103B/0.097A 0.075B/0.073A 0.070B/0.069A 0.037B/0.041A		0.148 + 0.012 0.104 + 0.010 0.077 + 0.008 0.071 + 0.007 0.039 + 0.003	0 .0369 3 .0269 7 .0248 3 .0131					4 Ur 16 Ur 245 Ur 29 Ur	NCH NCH NCH NCH NCH
700 TOT SEP: 165	AL 24			0.022B/0.028A		0.025 + 0.002 8.425 + 0.260				53	0	7502 +	NCH 48 NCH
232 235 237 240 242	5 0 5	 	3.114B/2.742A 2.975B/2.617A 2.839B/2.495A 2.710B/2.379A 2.589B/2.270A	3.114B/2.742A 2.975B/2.617A 2.839B/2.495A 2.710B/2.379A 2.589B/2.270A	 	3.002 + 0.183 2.867 + 0.176 2.738 + 0.172 2.614 + 0.167 2.496 + 0.163	.6465 2 .6284 7 .6102					1 UN 1 UN 1 UN	NCH NCH NCH NCH NCH
245 247 250 252	0 5 0 5		2.472B/2.164A 2.368B/2.065A 2.257B/1.970A 2.160B/1.880A 2.064B/1.794A	2.472B/2.164A 2.368B/2.065A 2.257B/1.970A 2.160B/1.880A 2.064B/1.794A	 	2.383 + 0.158 2.276 + 0.154 2.173 + 0.149 2.076 + 0.145 1.983 + 0.140	3 .5739 4 .5558 9 .5380 5 .5206					1 UN 1 UN 151 UN 1 UN	NCH NCH NCH NCH NCH
255 267 280 295 297	5 0 5		1.650B/1.431A 1.327B/1.152A 1.041B/0.902A 1.001B/0.868A	1.650B/1.431A 1.327B/1.152A 1.041B/0.902A 1.001B/0.868A		1.585 + 0.118 1.278 + 0.097 1.001 + 0.077 0.963 + 0.074	3 .4243 7 .3563 7 .2893 1 .2797					4 UN 2 UN 152 UN 200 UN	NCH NCH NCH NCH
300 305 340 347 350	0 0 5		0.963B/0.835A 0.892B/0.775A 0.550B/0.484A 0.502B/0.443A 0.487B/0.430A	0.963B/0.835A 0.892B/0.775A 0.550B/0.484A 0.502B/0.443A 0.487B/0.430A		0.927 + 0.072 0.859 + 0.067 0.532 + 0.040 0.486 + 0.037 0.472 + 0.036	7 .2527 0 .1625 7 .1490 6 .1448					7 UN 1 UN 5 UN 25 UN	NCH NCH NCH NCH NCH
355 360 362 400 TOT	0 5 0		0.459B/0.407A 0.433B/0.385A 0.421B/0.375A 0.286B/0.262A	0.459B/0.407A 0.433B/0.385A 0.421B/0.375A 0.286B/0.262A		0.446 + 0.034 0.422 + 0.032 0.411 + 0.031 0.285 + 0.021	.1299			1 1	 0	104 UN	NCH NCH NCH 1
DEC 245 250 260	24 0 0		 			2.896 + 0.150 2.688 + 0.142 2.325 + 0.127	.5650					28 UI	NCH NCH NCH
285 300 325 350 400	0 0 0		==== ==== ====	 		1.639 + 0.096 1.345 + 0.086 1.025 + 0.062 0.824 + 0.050 0.522 + 0.032	.3250 2 .2530 2 .2037					52 UN 1 UN 1 UN	NCH NCH NCH NCH NCH
450 600 TOT	0 0	COMEX SILVER OF	PTIONS	====		0.343 + 0.022 0.151 + 0.009	.0893					82 UI	NCH NCH 0
DEC 100 120	0			/0.004A /0.004A		0.001 UNCH 0.001 UNCH							NCH NCH
122 130 135 137 140	5 0 5		 	/0.004A /0.004A /0.004A /0.004A		0.001 UNCH 0.001 UNCH 0.001 UNCH 0.001 UNCH 0.001 UNCH	! !					184 UN 1 UN 203 UN	NCH NCH NCH NCH NCH
142 145 147 150	5 0 5			/0.004A /0.004A /0.004A /0.004A /0.004A	 	0.001 UNCH 0.001 UNCH 0.001 UNCH 0.001 UNCH 0.001 UNCH	l l l					14 Ur 252 Ur 25 Ur 22 Ur	NCH NCH NCH NCH NCH
152 155 157 160 162	0 5 0 5		 	/0.004A /0.002A /0.002A /0.003A		0.001 UNCH 0.001 UNCH 0.001 UNCH 0.001 UNCH	l l l					22 Ur 6 Ur 213 Ur 12 Ur	NCH NCH NCH NCH
165 167 170 172 175	5 0 5			/0.003A /0.003A /0.003A /0.003A /0.002A		0.001 UNCH 0.001 UNCH 0.001 UNCH 0.001 UNCH 0.001 UNCH	! !					15 UN 135 UN 206 UN	NCH NCH NCH NCH NCH
177 180 182 185	5 5 0			/0.002A /0.002A /0.002A /0.002A /0.002A	 	0.001 UNCH 0.001 UNCH 0.001 UNCH 0.001 UNCH 0.001 UNCH	l l l					224 Ur 423 Ur 34 Ur 147 Ur	NCH NCH NCH NCH NCH
187 190 190 191 192	0 5 5 0			/0.002A /0.002A /0.002A /0.002A		0.001 UNCH 0.001 UNCH 0.001 UNCH 0.001 UNCH	l l l			1 		204 - 1 UI 1 UI 1 UI	1 NCH NCH NCH
192 193 193 194 194	0 5 0 5			/0.002A /0.002A /0.002A /0.002A /0.002A	 	0.001 UNCH 0.001 UNCH 0.001 UNCH 0.001 UNCH 0.001 UNCH	l l l					4 Ur 2 Ur 19 Ur 7 Ur	NCH NCH NCH NCH NCH
195 195 196 196 197	0 5 0 5	 		/0.002A /0.002A /0.002A /0.002A /0.002A	 	0.001 UNCH 0.001 UNCH 0.001 UNCH 0.001 UNCH 0.001 UNCH	l l l					286 Ur 10 Ur 3 Ur 13 Ur	NCH NCH NCH NCH NCH
197 198 198 199	5 0 5			/0.002A /0.002A /0.002A /0.002A		0.001 UNCH 0.001 UNCH 0.001 UNCH 0.001 UNCH	l l l					158 Ur 1 Ur 9 Ur 5 Ur	NCH NCH NCH NCH
199 200 200 201 201	0.001 5 0 5	0.001 	0.001/0.001 	/0.002A 0.001/0.001 /0.002A /0.002A /0.002A		0.001 UNCH 0.001 UNCH 0.001 UNCH 0.001 UNCH 0.001 UNCH	l l l			3 		703 - 11 UN 31 UN 14 UN	NCH 1 NCH NCH NCH

METALS OPTIONS PRODUCTS

64 Side 36





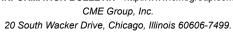




CME Group, Inc. 20 South Wacker Drive, Chicago, Illinois 60606-7499. Customer Service: (312) 930-1000 PRELIMINARY													
PG64	4 BULLET	IN #225@			TALS OPTION PR				Tue,	Nov 21,	2023	PG64	
	GLOBEX	OPEN OUTCRY	GLOBEX	OPEN OUTCRY	OPEN OUTCRY	SETT.PRICE	EXER	OPEN OUTCRY	GLOBEX®	PNT	(OPEN	
co n	OPEN	OPEN RANGE	HIGH/LOW	HIGH/LOW	CLOSE RANGE	& PT.CHGE. DELTA	CISES	VOLUME	VOLUME	VOLUME	INTE	KESI	
SO PL DEC23 2050	3	COMEX SILVER OF		/0.002A		0.001 UNCH .0000					705	UNCH	
2055 2060				/0.002A /0.002A /*0.002A		0.001 UNCH .0000 0.001 UNCH .0000					50 84	UNCH UNCH	
2065 2070				/*0.002A /0.002A /0.002A		0.001 UNCH .0000 0.001 UNCH .0000 0.001 UNCH .0001					23 39 281	UNCH UNCH UNCH	
2075 2080 2085				/0.002A /0.002A /0.003A		0.001 - 0.001 .0001 0.001 - 0.001 .0001					33 46	UNCH	
2090 2095				/0.003A		0.001 - 0.001 .0002 0.001 - 0.001 .0003					102 110	UNCH	
2100 2105	0.001	0.001	0.001/*0.001	/0.003A 0.001/*0.001 /0.003A		0.001 - 0.001 .0003 0.001 - 0.001 .0004			30		1076 - 59	1 UNCH	
2110 2115				/0.003A /0.003A		0.001 - 0.001 .0006 0.001 - 0.002 .0007					61 39	UNCH UNCH	
2120 2125				/0.003A /*0.003A		0.001 - 0.002 .0009 0.001 - 0.002 .0011					75 275	UNCH	
2130 2135			/*0.003A 	/0.003A /0.003A /0.003A /0.004A /0.004A /0.004A		0.001 - 0.003 .0013 0.001 - 0.003 .0016 0.002 - 0.002 .0032			1 		151 - 59 45	UNCH UNCH	
2140 2145 2150			/*0.004A /*0.003A	/*0.004A 0.001B/*0.003A		0.002 - 0.002 .0032 0.002 - 0.003 .0033 0.002 - 0.003 .0034					219 891	UNCH	
2155 2160			/*0.004A	/*0.004A		0.002 - 0.003 .0035 0.002 - 0.004 .0035					38 111	UNCH	
2165 2170			/*0.004A /*0.004A /0.004A	/*0.004A /*0.004A /0.004A		0.002 - 0.004 .0036 0.002 - 0.004 .0037			1		26 127	UNCH	
2175 2180			/*0.004A /*0.005A	0.003B/*0.004A 0.003B/*0.005A		0.002 - 0.004 .0038 0.002 - 0.004 .0039					173 37	UNCH UNCH	
2185 2190			/*0.005A /*0.005A /*0.005A /*0.005A	0.004B/*0.005A 0.005B/*0.005A		0.002 - 0.005 .0040 0.003 - 0.004 .0059					70 60	UNCH	
2195 2200	0.005	0.005	0.005/*0.005A 0.005/*0.004A /*0.006A	0.006B/*0.005A 0.007B/*0.004A 0.007B/*0.006A		0.003 - 0.004 .0060 0.003 - 0.005 .0062 0.003 - 0.006 .0064			5		123 1451 + 21	UNCH 4 UNCH	
2205 2210 2215			/*0.006A /*0.006A /*0.006A /*0.007A	0.007B/ 0.000A 0.009B/*0.006A 0.010B/*0.006A		0.004 - 0.005 .0085 0.004 - 0.006 .0087					29 79	UNCH	
2220 2225		0.008	/*0.007A 0.008/*0.005	0.011B/*0.007A 0.013B/*0.005		0.004 - 0.008 .0089 0.005 - 0.008 .0112			 17		78 213 -	UNCH 1	
2230 2235			0.016B/*0.007A 0.018B/*0.007A	0.016B/*0.007A 0.018B/*0.007A		0.006 - 0.009 .0135 0.007 - 0.010 .0158					26 50	UNCH UNCH	
2240 2245			0.020B/*0.008A 0.023B/*0.008A	0.020B/*0.008A 0.023B/*0.008A		0.008 - 0.011 .0183 0.009 - 0.012 .0208					69 25	UNCH	
2250 2255		0.025 0.012	0.026B/*0.009A 0.030B/*0.010A	0.026B/*0.009A 0.030B/*0.010A		0.010 - 0.014 .0234 0.011 - 0.016 .0261 0.013 - 0.018 .0308			29 		783 - 25 22 -	UNCH	
2260 2265 2270	0.016	0.012 0.016	0.035B/*0.011A 0.040B/*0.011A 0.045B/*0.014A	0.035B/*0.011A 0.040B/*0.011A 0.045B/*0.014A		0.013 - 0.018 .0308 0.014 - 0.021 .0338 0.016 - 0.023 .0388			12 1 3		26 - 45 -	1 2	
2275 2280	0.036	0.036 0.032	0.052B/*0.015 0.059B/*0.015	0.052B/*0.015 0.059B/*0.015		0.018 - 0.026 .0440 0.020 - 0.030 .0494			3 5		468 - 210	2 UNCH	
2285 2290		0.020	0.067B/*0.018A 0.076B/*0.020	0.067B/*0.018A 0.076B/*0.020		0.023 - 0.034 .0569 0.026 - 0.038 .0646			27		136 138 -	UNCH 6	
2295 2300	0.044 0.099	0.044 0.099	0.086B/*0.023A 0.099/*0.025A	0.086B/*0.023A 0.099/*0.025A		0.029 - 0.043 .0726 0.033 - 0.049 .0826			11 84		54 + 906 +	2 21	
2305 2310	0.066	0.066	0.111B/*0.029A 0.125B/*0.033A	0.111B/*0.029A 0.125B/*0.033A		0.038 - 0.054 .0946 0.043 - 0.061 .1070			1 6		90 111 +	UNCH 1	
2315 2320	0.124	0.073 0.124 0.110	0.140B/*0.037A 0.157B/*0.042A 0.175B/*0.048A	0.140B/*0.037A 0.157B/*0.042A 0.175B/*0.048A		0.049 - 0.067 .1213 0.056 - 0.075 .1375 0.064 - 0.082 .1554			21 52 46		84 + 212 + 415 -	12 51 17	
2325 2330 2335	0.055	0.055 0.177	0.194B/*0.053 0.215B/*0.060	0.194B/*0.053 0.215B/*0.060		0.073 - 0.090 .1750 0.083 - 0.098 .1963			3 107		71 222 +	UNCH 26	
2340 2345		0.139 0.106	0.237B/*0.068A 0.262B/*0.077A	0.237B/*0.068A 0.262B/*0.077A		0.094 - 0.106 .2190 0.106 - 0.115 .2432			23		108 - 58	4 UNCH	
2350 2355	0.100	0.234 0.100	0.287B/*0.085 0.315B/*0.098A	0.287B/*0.085 0.315B/*0.098A		0.120 - 0.123 .2696 0.135 - 0.131 .2971			140 1		717 + 21	35 UNCH	
2360 2365	0.198	0.269 0.198	0.315B/*0.098A 0.343B/*0.110A 0.374B/*0.123A	0.315B/*0.098A 0.343B/*0.110A 0.374B/*0.123A		0.152 - 0.138 .3262 0.170 - 0.146 .3561			13 1		26 + 4 -	1	
2370 2375	0.260	0.260 0.307	0.374B/*0.123A 0.407B/*0.139A 0.440B/*0.155A 0.465B/*0.168 0.500B/*0.192A 0.535B/*0.214A 0.615B/*0.259A 0.650B/*0.284A 0.6050B/*0.304 0.730B/*0.334A 0.755B/*0.364A 0.815B/*0.393A 0.860B/*0.494A	0.407B/*0.139A 0.440B/*0.155A 0.465B/*0.168		0.190 - 0.153 .3871 0.212 - 0.160 .4188 0.236 - 0.167 .4508			112 53		75 441 + 46 +	UNCH 35 19	
2380 2385 2390	0.220	0.220	0.500B/*0.192A 0.535B/*0.214A	0.500B/*0.192A 0.535B/*0.214A		0.261 - 0.174 .4826 0.288 - 0.181 .5142			41 		63 + 56	39 UNCH	
2395 2400	0.271	0.271 0.272	0.575B/*0.234A 0.615B/*0.259A	0.575B/*0.234A 0.615B/*0.259A		0.316 - 0.189 .5454 0.346 - 0.195 .5759			18 10		31 + 285 +	8 2	
2405 2410		0.304	0.650B/*0.284A 0.690B/*0.304	0.650B/*0.284A 0.690B/*0.304		0.377 - 0.200 .6056 0.409 - 0.206 .6346			1		41 17	UNCH UNCH	
2415 2420	0.553	0.553	0.730B/*0.334A 0.775B/*0.364A	0.730B/*0.334A 0.775B/*0.364A		0.443 - 0.210 .6621 0.477 - 0.215 .6893			1		3 11 27	UNCH	
2425 2430	0.591	0.591	0.815B/*0.393A 0.860B/*0.429A 0.950B/0.494A	0.815B/*0.393A 0.860B/*0.429A 0.950B/0.494A		0.513 - 0.219 .7147 0.550 - 0.223 .7390 0.627 - 0.230 .7836			1		37 8 + 7	UNCH 1 UNCH	
2440 2445 2450			0.995B/0.529A 1.040B/0.564A	0.995B/0.529A 1.040B/0.564A		0.627 - 0.230 .7836 0.667 - 0.234 .8038 0.707 - 0.237 .8226					4 112	UNCH	
2455 2460			1.085B/0.604A 1.130B/0.644A	1.085B/0.604A 1.130B/0.644A		0.749 - 0.240 .8397 0.792 - 0.242 .8566					5 1	UNCH	
2465 2470			1.175B/0.683A 1.225B/0.725A	1.175B/0.683A 1.225B/0.725A		0.835 - 0.244 .8704 0.880 - 0.246 .8839					2 _5	UNCH UNCH	
2475 2480	1.002	1.002	1.270B/0.767A 1.320B/0.809A	1.270B/0.767A 1.320B/0.809A		0.924 - 0.248 .8956 0.970 - 0.249 .9070			2		75 1 -	UNCH 1	
2485 2490		 1.140	1.365B/0.851A 1.415B/0.893A 1.465B/0.935A	1.365B/0.851A 1.415B/0.893A 1.465B/0.935A		1.016 - 0.250 .9166 1.062 - 0.252 .9242 1.109 - 0.252 .9316			 2		2 11 7 +	UNCH UNCH	
2495 2500 2515	1.077	1.077 1.464	1.510B/0.983A 1.660B/1.122A	1.510B/0.983A 1.660B/1.122A		1.157 - 0.252 .9388 1.300 - 0.255 .9541			3 2		241 + 5 +	3 2	
2520 2525	1.530	1.530	1.705B/1.170A 1.755B/1.212A	1.705B/1.170A 1.755B/1.212A		1.349 NEW .9571 1.397 - 0.255 .9618			3		3 + 17	3 UNCH	
2530 2540			1.805B/1.260A 1.905B/1.356A	1.805B/1.260A 1.905B/1.356A		1.446 - 0.255 .9645 1.544 - 0.256 .9697					1 9	UNCH UNCH	
2550 2555	1.518	1.518	2.005B/1.452A 2.055B/1.500A	2.005B/1.452A 2.055B/1.500A		1.642 - 0.256 .9746 1.691 NEW .9752			2		25 2 +	UNCH 2	
2565 2570			2.150B/1.602A 2.200B/1.650A	2.150B/1.602A 2.200B/1.650A		1.790 - 0.257 .9796 1.840 - 0.256 .9801 1.889 - 0.257 .9821					2 8	UNCH	
2575 2585			2.250B/1.698A 2.350B/1.794A	2.250B/1.698A 2.350B/1.794A		1.889 - 0.257 .9821 1.988 - 0.257 .9845 2.038 - 0.256 .9848					100 2 6	UNCH UNCH UNCH	
2590 2600 2605			2.400B/1.848A 2.500B/1.944A 2.550B/1.992A	2.400B/1.848A 2.500B/1.944A 2.550B/1.992A		2.137 - 0.257 .9870 2.187 - 0.256 .9872					26 7	UNCH UNCH	
2610 2615			2.600B/2.046A 2.650B/2.094A	2.600B/2.046A 2.650B/2.094A		2.237 - 0.256 .9875 2.286 - 0.257 .9877					6 7	UNCH	
2625 2650			2.750B/2.190A 3.000B/2.442A	2.750B/2.190A 3.000B/2.442A		2.386 - 0.256 .9896 2.635 - 0.256 .9904					38 4	UNCH UNCH	
2655 2675			3.050B/2.490A 3.245B/2.688A	3.050B/2.490A 3.245B/2.688A		2.685 - 0.256 .9920 2.884 - 0.256 .9925					1 111	UNCH	
2700 2750			3.495B/2.940A 3.995B/3.435A 4.245B/3.685A	3.495B/2.940A 3.995B/3.435A 4.245B/3.685A		3.133 - 0.256 .9942 3.633 - 0.255 .9961 3.882 - 0.256 .9963					8 1 1	UNCH	
2775 2800 2825		4.005	4.245B/3.685A 4.495B/3.935A 4.745B/4.185A	4.245B/3.685A 4.495B/3.935A 4.745B/4.185A		3.882 - 0.256 .9963 4.132 - 0.256 .9965 4.382 - 0.255 .9977	16		2		3 + 5 -	UNCH 2 16	
2850 2925			4.995B/4.435A	4.995B/4.435A		4.631 - 0.256 .9978 5.381 - 0.255 .9990	1 1				6 - 0 -	1 1	
3000 4500			5.745B/5.185A 6.495B/5.935A /20.955A	5.745B/5.185A 6.495B/5.935A 21.187B/20.955A		6.131 - 0.255 .9997 21.131 - 0.255 .0000	5 				2 -	UNCH	
TOTAI									903	0	18862 +	202	

METALS OPTIONS PRODUCTS

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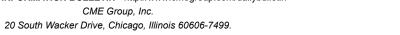
PG64	4 RULLET	IN #225@		M	ETALS OPTION F	PRODUCTS			Tue.	Nov 21,	2023	PG64
1 00	GLOBEX	OPEN OUTCRY	GLOBEX	OPEN OUTCRY	OPEN OUTCRY	SETT.PRICE	EXER	OPEN OUTCRY	GLOBEX®	PNT		OPEN EREST
SO PL	OPEN JT	OPEN RANGE COMEX SILVER	HIGH/LOW OPTIONS	HIGH/LOW	CLOSE RANGE	& PT.CHGE. DELTA	CISES	VOLUME	VOLUME	VOLUME	INT	LKLST
JAN24 1850		0.005	0.005/0.005	0.005/0.004A 0.003B/0.005A		0.003 UNCH .0034 0.004 UNCH .0045			2		108 80	UNCH UNCH
1875 1900 1925				0.004B/0.006A 0.005B/0.007A		0.005 UNCH .0056 0.006 UNCH .0069					83 34	UNCH UNCH
1935 1940 1945				0.005B/*0.007A 0.006B/0.008A 0.006B/0.008A		0.007 UNCH .0079 0.007 UNCH .0080 0.007 UNCH .0081					3 1 9	UNCH UNCH UNCH
1950 1955 1960			/*0.007A 	0.006B/*0.007A 0.007B/*0.008A 0.007B/*0.009A		0.008 UNCH .0091 0.008 UNCH .0092 0.008 UNCH .0093					118 5 6	UNCH UNCH UNCH
1965 1970 1975			 /*0.009A	0.007B/*0.009A 0.008B/*0.009A 0.008B/*0.009A		0.008 - 0.001 .0094 0.009 UNCH .0104 0.009 - 0.001 .0105					12 10 43	UNCH UNCH UNCH
1980 1985 1990			/*0.010A	0.009B/*0.010A 0.009B/*0.010A 0.010B/*0.011A		0.009 - 0.001 .0106 0.010 - 0.001 .0117 0.010 - 0.001 .0118					10 5 2	UNCH UNCH UNCH
1995 2000	0.010	0.010 	0.010/*0.010 /*0.010A /*0.012A	0.011B/*0.010 0.011B/*0.010A 0.012B/*0.012A		0.010 - 0.002 .0119 0.011 - 0.002 .0130 0.011 - 0.002 .0131			2 		12 - 123 3	UNCH UNCH
2005 2010 2015			/*0.012A /*0.013A	0.013B/*0.012A 0.013B/*0.013A		0.012 - 0.002 .0142 0.012 - 0.003 .0144					6 13	UNCH UNCH
2020 2025 2030			/*0.013A /*0.014A /*0.014A	0.014B/*0.013A 0.015B/*0.014A 0.016B/*0.014A		0.013 - 0.003 .0155 0.013 - 0.003 .0156 0.014 - 0.003 .0167					14 47 4	UNCH UNCH UNCH
2035 2040 2045			/*0.015A /*0.016A /*0.016A	0.017B/*0.015A 0.018B/*0.016A 0.019B/*0.016A		0.014 - 0.004 .0169 0.015 - 0.004 .0181 0.016 - 0.004 .0192					11 18 17	UNCH UNCH UNCH
2050 2055 2060			/*0.017A /*0.018A /*0.019A	0.020B/*0.017A 0.022B/*0.018A 0.023B/*0.019A		0.017 - 0.004 .0203 0.018 - 0.004 .0215 0.019 - 0.004 .0226			1 		72 30 9	UNCH UNCH UNCH
2065 2070 2075	0.021	0.021	/*0.020A 0.021/*0.020A /*0.020A	0.025B/*0.020A 0.026B/*0.020A 0.028B/*0.020A		0.020 - 0.005 .0238 0.021 - 0.005 .0250 0.022 - 0.006 .0262			1 8		14 15 - 234 -	UNCH 1 8
2080 2085			/*0.023A /*0.024A 0.033B/*0.025A	0.029B/*0.023A 0.031B/*0.024A 0.033B/*0.025A		0.024 - 0.005 .0283 0.025 - 0.006 .0295			1 		26 16	UNCH UNCH
2090 2095 2100	0.037	0.037	0.035B/*0.026A 0.037/*0.026	0.035B/*0.026A 0.037/*0.026		0.028 - 0.006 .0328 0.030 - 0.006 .0349			10		21 16 286 -	UNCH UNCH 4
2105 2110 2115			0.040B/*0.028A 0.042B/*0.029A 0.045B/*0.031A	0.040B/*0.028A 0.042B/*0.029A 0.045B/*0.031A		0.031 - 0.007 .0362 0.033 - 0.007 .0384 0.035 - 0.007 .0405			1 		10 + 23 30	UNCH UNCH
2120 2125 2130	0.038	0.038	0.047B/*0.032A 0.050B/*0.034A 0.053B/*0.036A	0.047B/*0.032A 0.050B/*0.034A 0.053B/*0.036A		0.037 - 0.008 .0427 0.039 - 0.008 .0449 0.042 - 0.008 .0479			3 9 		27 32 72	UNCH UNCH UNCH
2135 2140 2145			0.057B/*0.038A 0.060B/*0.039A 0.064B/*0.041A	0.057B/*0.038A 0.060B/*0.039A 0.064B/*0.041A		0.044 - 0.009 .0501 0.046 - 0.010 .0524 0.049 - 0.010 .0554			1		37 12 23	UNCH UNCH UNCH
2150 2155	0.051	0.051 	0.068B/*0.044A 0.072B/*0.046A 0.076B/*0.049A	0.068B/*0.044A 0.072B/*0.046A 0.076B/*0.049A		0.052 - 0.011 .0585 0.055 - 0.011 .0615 0.058 - 0.012 .0646			14 		350 + 9 32	
2160 2165 2170			0.081B/*0.051A 0.085B/*0.054A 0.090B/*0.057A	0.081B/*0.051A 0.085B/*0.054A		0.061 - 0.013 .0677 0.064 - 0.015 .0709					39 44	UNCH
2175 2180 2185	0.074 0.072	0.074 0.072	0.095B/*0.061A 0.101B/*0.064A	0.090B/*0.057A 0.095B/*0.061A 0.101B/*0.064A		0.068 - 0.015 .0748 0.072 - 0.016 .0787 0.076 - 0.017 .0826			2 4 		177 - 33 + 42	UNCH
2190 2195 2200	0.076 0.107	0.076 0.107	0.107B/*0.067A 0.113B/*0.071A 0.120B/*0.075A	0.107B/*0.067A 0.113B/*0.071A 0.120B/*0.075A		0.080 - 0.018 .0866 0.084 - 0.020 .0906 0.089 - 0.021 .0953			4 2 63		133 25 + 588 +	- 55
2205 2210 2215	0.100	 0.100	0.126B/*0.079A 0.134B/*0.083A 0.141B/*0.088A	0.126B/*0.079A 0.134B/*0.083A 0.141B/*0.088A		0.094 - 0.022 .1000 0.099 - 0.024 .1047 0.104 - 0.026 .1095			1 1 6		13 + 22 + 59 +	. 1
2220 2225 2230	0.098 0.122	0.098 0.122	0.149B/*0.093A 0.158B/*0.098A 0.167B/*0.103A	0.149B/*0.093A 0.158B/*0.098A 0.167B/*0.103A		0.110 - 0.027 .1149 0.116 - 0.029 .1203 0.122 - 0.031 .1258			23 3 3		43 + 31 + 176	
2235 2240 2245	0.173	0.173	0.176B/*0.109A 0.186B/*0.115A 0.196B/*0.121A	0.176B/*0.109A 0.186B/*0.115A 0.196B/*0.121A		0.129 - 0.032 .1319 0.136 - 0.034 .1379 0.143 - 0.036 .1441			2		22 17 - 33	UNCH 1 UNCH
2250 2255	0.163 0.217	0.163 0.217	0.207B/*0.127A 0.218B/*0.134A 0.229B/*0.141A	0.207B/*0.127A 0.218B/*0.134A 0.229B/*0.141A		0.151 - 0.038 .1508 0.159 - 0.040 .1575			136 7		190 - 31 23 -	47 UNCH
2260 2265 2270	0.168 0.167	0.168 0.167	0.243B/*0.149A 0.255B/*0.157A	0.243B/*0.149A 0.255B/*0.157A		0.176 - 0.045 .1715 0.186 - 0.047 .1793			8 28		18 - 28 +	5 20
2275 2280 2285	0.199 0.185 0.187	0.199 0.185 0.187	0.267B/*0.165A 0.281B/*0.174A 0.297B/*0.183A	0.267B/*0.165A 0.281B/*0.174A 0.297B/*0.183A		0.195 - 0.050 .1866 0.205 - 0.053 .1944 0.216 - 0.055 .2027			11 13 3		94 + 37 - 20 -	4 2
2290 2295 2300	0.205 0.286	0.205 0.286	0.312B/*0.192A 0.326B/*0.202A 0.344B/*0.212A	0.312B/*0.192A 0.326B/*0.202A 0.344B/*0.212A		0.227 - 0.058 .2110 0.239 - 0.060 .2197 0.251 - 0.063 .2284			10 47		22 + 12 372 -	UNCH
2305 2310 2315	0.346 0.348 0.349	0.346 0.348 0.349	0.360B/0.223A 0.378B/0.235A 0.396B/0.246A	0.360B/0.223A 0.378B/0.235A 0.396B/0.246A		0.263 - 0.066 .2371 0.276 - 0.070 .2462 0.290 - 0.072 .2557			11 2 3		19 - 18 + 12	_
2320 2325 2330	0.325 0.335 0.351	0.325 0.335 0.351	0.414B/0.260A 0.434B/0.273A 0.453B/0.286A	0.414B/0.260A 0.434B/0.273A 0.453B/0.286A		0.304 - 0.076 .2652 0.319 - 0.078 .2750 0.334 - 0.082 .2848			12 93 2		79 - 305 + 23	1
2335 2340 2345	0.367 0.363	0.367 0.363	0.474B/0.299A 0.495B/0.315A 0.515B/0.330A	0.474B/0.299A 0.495B/0.315A 0.515B/0.330A		0.350 - 0.085 .2949 0.366 - 0.089 .3050 0.383 - 0.092 .3153			13 2		64 + 48 18	
2350 2355	0.426 0.368	0.426 0.368	0.539B/0.345A 0.561B/0.362A 0.585B/0.379A	0.539B/0.345A 0.561B/0.362A		0.401 - 0.095 .3259 0.419 - 0.099 .3365 0.437 - 0.103 .3471			36 1		283 + 34 8	
2360 2365 2370			0.609B/0.397A 0.634B/0.415A	0.585B/0.379A 0.609B/0.397A 0.634B/0.415A		0.457 - 0.106 .3580 0.477 - 0.109 .3689			1		1 17 +	UNCH 1
2375 2380 2385	0.520	0.520	0.660B/0.433A 0.686B/0.453A 0.713B/0.473A	0.660B/0.433A 0.686B/0.453A 0.713B/0.473A		0.497 - 0.113 .3798 0.518 - 0.116 .3909 0.540 - 0.119 .4020			22 10 		98 - 18 + 12	UNCH
2390 2395 2400	0.736	 0.736	0.740B/0.492A 0.768B/0.513A 0.797B/0.534A	0.740B/0.492A 0.768B/0.513A 0.797B/0.534A		0.562 - 0.123 .4132 0.586 - 0.125 .4245 0.609 - 0.129 .4356			1 67		34 2 + 106 +	
2405 2410 2415	0.732	0.732	0.826B/0.556A 0.855B/0.581A 0.887B/0.605A	0.826B/0.556A 0.855B/0.581A 0.887B/0.605A		0.633 - 0.132 .4469 0.658 NEW .4581 0.684 - 0.137 .4693			112		12 102 + 6	UNCH 102 UNCH
2420 2425 2430	0.749 	0.749 	0.917B/0.629A 0.949B/0.653A 0.981B/0.677A	0.917B/0.629A 0.949B/0.653A 0.981B/0.677A		0.710 - 0.140 .4805 0.737 - 0.143 .4917 0.764 - 0.147 .5028			15 7 		14 + 30 + 12	. 3
2440 2445 2450	0.804	0.804	1.045B/0.731A 1.080B/0.758A 1.114B/0.785A	1.045B/0.731A 1.080B/0.758A 1.114B/0.785A		0.821 - 0.152 .5247 0.850 NEW .5356 0.880 - 0.158 .5464			3		3 3 + 22	UNCH
2455 2460			/0.813A /0.843A /0.899A	1.057B/0.813A 1.087B/0.843A 1.154B/0.899A		0.910 - 0.161 .5571 0.941 - 0.164 .5675 1.004 - 0.170 .5884					1 4 9	UNCH UNCH UNCH
2470 2475 2485	1.101	 1.101	1.279B/0.929A /0.994A 1.465B/1.091A	1.279B/0.929A 1.158B/0.994A		1.004 - 0.170 .3884 1.037 - 0.172 .5985 1.104 - 0.176 .6184 1.207 - 0.183 .6471			 2		9	UNCH UNCH 2
2500 2520 2525		1.101	/1.244A 1.657B/1.259A	1.465B/1.091A 1.387B/1.244A 1.657B/1.259A		1.352 - 0.191 .6829 1.389 - 0.193 .6916			 		42 - 5 2	UNCH UNCH
2550 2575 2600			1.867B/1.441A 2.073B/1.637A 2.297B/1.833A	1.867B/1.441A 2.073B/1.637A 2.297B/1.833A		1.581 - 0.202 .7318 1.781 - 0.211 .7680 1.990 - 0.218 .7995					4 7 83	UNCH UNCH UNCH
2625 2650 2700			2.521B/2.043A 2.745B/2.260A 3.213B/2.701A	2.521B/2.043A 2.745B/2.260A 3.213B/2.701A		2.204 - 0.225 .8277 2.424 - 0.230 .8521 2.879 - 0.239 .8910					8 7 6	UNCH UNCH UNCH
2725 2750 2775			3.451B/2.933A 3.689B/3.164A 3.934B/3.402A	3.451B/2.933A 3.689B/3.164A 3.934B/3.402A		3.111 - 0.243 .9066 3.347 - 0.245 .9198 3.584 - 0.249 .9313					4 7 1	UNCH UNCH UNCH
2825 2875 2900			/3.878A	4.232B/3.878A 4.593B/4.389A 4.831B/4.633A		4.066 - 0.252 .9490 4.553 - 0.255 .9614 4.799 - 0.256 .9657					1 1 2	UNCH UNCH UNCH
3000 3150			/4.633A /5.617A /7.109A	5.837B/5.617A 7.332B/7.109A		5.787 - 0.259 .9785 7.280 - 0.261 .9874			 845	 0	94 4 6582 +	UNCH UNCH
TOTAL				/0.002A		0.001 UNCH .0000			o 4 5	· ·		
1325 1400 1450				/0.003A /0.003A		0.001 UNCH .0001 0.001 UNCH .0003					1 1 1	UNCH UNCH UNCH
1525 1550 1575				/0.003A /0.004A /0.004A		0.002 UNCH .0015 0.002 UNCH .0016 0.003 + 0.001 .0023					4 2 1	UNCH UNCH UNCH

METALS OPTIONS PRODUCTS

Side 38

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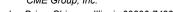
PG64	1 BULLET	IN #225@		MI	ETALS OPTION I	PRODUCTS			Tue,	Nov 21,	2023 PG64
	GLOBEX	OPEN OUTCRY	GLOBEX	OPEN OUTCRY	OPEN OUTCRY	SETT.PRICE	EXER	OPEN OUTCRY	GLOBEX® VOLUME	PNT	OPEN INTEREST
SO PL	OPEN JT	OPEN RANGE COMEX SILVER O	HIGH/LOW OPTIONS	HIGH/LOW	CLOSE RANGE	& PT.CHGE. DELTA	CISES	VOLUME	VOLUME	VOLUME	INTEREST
FEB24 1600 1625				/0.004A 0.002B/0.005A		0.003 UNCH .0024 0.003 UNCH .0025					2 UNCH 9 UNCH
1650 1675 1700				0.002B/0.005A 0.003B/0.006A 0.003B/0.007A		0.004 UNCH .0033 0.005 + 0.001 .0041 0.005 UNCH .0042					1 UNCH 4 UNCH 68 UNCH
1725 1750 1775				0.004B/0.007A 0.005B/0.008A 0.006B/0.009A		0.006 UNCH .0051 0.007 UNCH .0060 0.008 - 0.001 .0070					4 UNCH 13 UNCH 15 UNCH
1800 1825			/0.008A /*0.014A	0.008B/0.008A 0.009B/0.012A 0.012B/0.014A		0.010 UNCH .0087 0.012 UNCH .0104 0.014 - 0.001 .0123					34 UNCH 19 UNCH 23 UNCH
1850 1875 1900			/*0.016A /0.019A	0.015B/0.016A 0.019B/0.019A		0.016 - 0.002 .0142 0.019 - 0.002 .0169					6 UNCH 35 UNCH
1925 1950 1975			/0.022A /0.027A /0.032A	0.025B/0.022A 0.031B/0.027A 0.039B/0.032A		0.023 - 0.003 .0204 0.028 - 0.004 .0247 0.034 - 0.005 .0298					205 UNCH 216 UNCH 338 UNCH
2000 2025 2050	0.042 0.056	0.042 0.056	0.042/0.039A 0.061B/0.048A 0.076B/*0.055	0.048B/0.039A 0.061B/0.048A 0.076B/*0.055		0.042 - 0.006 .0364 0.051 - 0.007 .0438 0.063 - 0.009 .0533			- 6		301 + 1 28 UNCH 160 + 3
2060 2065 2070			0.083B/0.062A 0.087B/0.065A 0.091B/0.068A	0.083B/0.062A 0.087B/0.065A 0.091B/0.068A		0.069 - 0.009 .0579 0.072 - 0.010 .0601 0.075 - 0.010 .0624					1 UNCH 1 UNCH 3 UNCH
2075 2080 2085	0.081 0.085	0.081 0.085	0.095B/0.070A 0.099B/0.073A 0.103B/0.077A	0.095B/0.070A 0.099B/0.073A 0.103B/0.077A		0.078 - 0.011 .0647 0.081 - 0.012 .0671 0.085 - 0.012 .0699			5 1		65 + 5 9 UNCH 6 + 1
2090 2095 2100	0.090 0.098	0.090 0.098	0.108B/0.080A 0.113B/0.083A 0.118B/0.086A	0.108B/0.080A 0.113B/0.083A 0.118B/0.086A		0.089 - 0.012 .0728 0.092 - 0.014 .0752 0.096 - 0.014 .0781			1 10 3		9 UNCH 8 + 5 239 + 2
2105 2110	0.101 0.120	0.101 0.120	0.123B/0.090A 0.128B/0.094A 0.134B/0.098A	0.123B/0.090A 0.128B/0.094A 0.134B/0.098A		0.101 - 0.014 .0815 0.105 - 0.015 .0844 0.109 - 0.016 .0874			1 2		5 + 1 6 + 1 12 UNCH
2115 2120 2125			0.140B/0.102A 0.146B/0.106A	0.140B/0.102A 0.146B/0.106A 0.152B/0.111A		0.114 - 0.017 .0908 0.119 - 0.017 .0943					17 UNCH 246 UNCH
2130 2135 2140	0.135	0.135	0.152B/0.111A 0.159B/0.115A 0.166B/0.120A	0.159B/0.115A 0.166B/0.120A		0.129 - 0.019 .1012 0.135 - 0.020 .1052			1		2 UNCH 8 UNCH 14 + 1
2145 2150 2155	0.136	0.136	0.173B/0.125A 0.180B/0.130A 0.188B/0.136A	0.173B/0.125A 0.180B/0.130A 0.188B/0.136A		0.140 - 0.021 .1087 0.146 - 0.022 .1127 0.152 - 0.023 .1167			1		4 + 1 304 UNCH 7 UNCH
2160 2165 2170	0.186 0.167	0.186 0.167	0.196B/0.141A 0.204B/0.147A 0.212B/0.153A	0.196B/0.141A 0.204B/0.147A 0.212B/0.153A		0.158 - 0.025 .1207 0.165 - 0.026 .1252 0.172 - 0.027 .1296			<u>-</u> 2		5 + 3 16 UNCH 17 - 2
2175 2180 2185	0.162 0.191	0.162 0.191	0.221B/0.160A 0.231B/0.166A 0.240B/0.173A	0.221B/0.160A 0.231B/0.166A 0.240B/0.173A		0.179 - 0.028 .1341 0.186 - 0.030 .1386 0.194 - 0.031 .1435			3 14		27 UNCH 4 UNCH 15 + 10
2190 2195 2200	 0.216	 0.216	0.250B/0.180A 0.260B/0.187A 0.271B/0.195A	0.250B/0.180A 0.260B/0.187A 0.271B/0.195A		0.202 - 0.032 .1484 0.210 - 0.034 .1534 0.218 - 0.035 .1583			 4		6 UNCH 17 UNCH 294 + 2
2205 2210 2215			0.282B/0.203A 0.293B/0.211A 0.305B/0.219A	0.282B/0.203A 0.293B/0.211A 0.305B/0.219A		0.227 - 0.037 .1636 0.236 - 0.038 .1690 0.245 - 0.040 .1743					15 UNCH 5 UNCH 1 UNCH
2220 2225			0.317B/0.228A 0.330B/0.237A 0.343B/0.246A	0.317B/0.228A 0.330B/0.237A 0.343B/0.246A		0.255 - 0.042 .1800 0.265 - 0.043 .1857 0.275 - 0.046 .1915			 1		10 UNCH 29 UNCH 10 - 1
2230 2235 2240			0.356B/0.256A 0.370B/0.266A	0.356B/0.256A 0.370B/0.266A		0.286 - 0.047 .1975 0.297 - 0.049 .2036					4 UNCH 41 UNCH
2245 2250 2255	0.284	0.284 	0.386B/0.276A 0.400B/0.288A 0.416B/0.299A	0.386B/0.276A 0.400B/0.288A 0.416B/0.299A		0.309 - 0.050 .2099 0.321 - 0.052 .2163 0.333 - 0.054 .2227			12 3 		12 + 8 392 UNCH 4 UNCH
2260 2265 2270			0.431B/0.310A 0.447B/0.321A 0.464B/0.334A	0.431B/0.310A 0.447B/0.321A 0.464B/0.334A		0.346 - 0.056 .2293 0.359 - 0.058 .2360 0.372 - 0.060 .2426					13 UNCH 6 UNCH 3 UNCH
2275 2280 2285			0.480B/0.346A 0.498B/0.360A 0.516B/0.373A	0.480B/0.346A 0.498B/0.360A 0.516B/0.373A		0.386 - 0.062 .2495 0.400 - 0.065 .2565 0.415 - 0.067 .2636			2 		26 UNCH 13 UNCH 24 UNCH
2290 2295 2300	0.519	 0.519	0.534B/0.386A 0.553B/0.401A 0.572B/0.415A	0.534B/0.386A 0.553B/0.401A 0.572B/0.415A		0.430 - 0.069 .2708 0.446 - 0.071 .2781 0.462 - 0.073 .2855			 3		11 UNCH 26 UNCH 141 - 1
2305 2310 2315	0.612	 0.612	0.591B/0.430A 0.611B/0.446A 0.632B/0.461A	0.591B/0.430A 0.611B/0.446A 0.632B/0.461A		0.478 - 0.076 .2928 0.495 - 0.078 .3004 0.513 - 0.079 .3081			 2		14 UNCH 3 UNCH 1 UNCH
2320 2325 2330	0.626	0.626	0.653B/0.477A 0.675B/0.494A 0.696B/0.511A	0.653B/0.477A 0.675B/0.494A 0.696B/0.511A		0.531 - 0.081 .3158 0.549 - 0.084 .3234 0.567 - 0.087 .3311			 1		3 UNCH 20 UNCH 10 UNCH
2335 2340 2345			0.719B/0.529A 0.742B/0.547A 0.765B/0.565A	0.719B/0.529A 0.742B/0.547A 0.765B/0.565A		0.587 - 0.088 .3391 0.606 - 0.091 .3469 0.626 - 0.094 .3548					2 UNCH 5 UNCH 10 UNCH
2350 2355			0.789B/0.584A 0.814B/0.604A 0.838B/0.623A	0.789B/0.584A 0.814B/0.604A		0.646 - 0.096 .3627 0.667 - 0.099 .3708 0.688 - 0.102 .3788					181 UNCH 6 UNCH 7 UNCH
2360 2365 2370	0.822	0.822	0.864B/0.645A 0.889B/0.665A	0.838B/0.623A 0.864B/0.645A 0.889B/0.665A		0.710 - 0.104 .3869 0.732 - 0.106 .3950			1		10 UNCH 8 - 1
2375 2385 2390			0.916B/0.687A 0.970B/0.730A 0.997B/0.752A	0.916B/0.687A 0.970B/0.730A 0.997B/0.752A		0.755 - 0.109 .4031 0.801 - 0.114 .4193 0.825 - 0.117 .4275			1		4 UNCH 6 UNCH 10 UNCH
2400 2405 2415	0.802 	0.802 	1.054B/0.798A 1.083B/0.823A 1.142B/0.872A	1.054B/0.798A 1.083B/0.823A 1.142B/0.872A		0.874 - 0.122 .4437 0.899 - 0.125 .4519 0.951 - 0.129 .4681			9 		94 + 4 73 UNCH 1 UNCH
2425 2430 2435			1.203B/0.922A 1.234B/0.949A 1.265B/0.977A	1.203B/0.922A 1.234B/0.949A 1.265B/0.977A		1.005 - 0.134 .4843 1.032 - 0.137 .4923 1.060 - 0.139 .5003					3 UNCH 2 UNCH 2 UNCH
2445 2450 2455			1.329B/1.031A 1.362B/1.056A 1.395B/1.087A	1.329B/1.031A 1.362B/1.056A 1.395B/1.087A		1.118 - 0.143 .5161 1.147 - 0.146 .5240 1.177 - 0.147 .5317					9 UNCH 17 UNCH 6 UNCH
2460 2465 2475	1.220 1.313	1.220 1.313	1.428B/1.114A 1.462B/1.143A 1.531B/1.202A	1.428B/1.114A 1.462B/1.143A 1.531B/1.202A		1.208 NEW .5395 1.238 - 0.151 .5471 1.301 - 0.155 .5622			2 2		2 + 2 7 UNCH 10 + 2
2480 2500 2505	1.380	1.380	1.566B/1.231A 1.695B/1.357A /1.391A	1.566B/1.231A 1.695B/1.357A 1.552B/1.391A		1.333 - 0.157 .5697 1.464 - 0.165 .5987 1.498 - 0.166 .6058			 		5 - 1 11 UNCH 16 UNCH
2525 2550			1.884B/1.525A 2.073B/1.695A 2.269B/1.879A	1.884B/1.525A 2.073B/1.695A 2.269B/1.879A		1.637 - 0.173 .6332 1.817 - 0.181 .6656 2.005 - 0.189 .6957					11 UNCH 35 UNCH 1 UNCH
2575 2600 2625			2.472B/2.063A 2.682B/2.263A 2.897B/2.463A	2.472B/2.063A 2.682B/2.263A		2.199 - 0.197 .7237 2.400 - 0.203 .7495 2.606 - 0.209 .7730					24 UNCH 1 UNCH 5 UNCH
2650 2675 2700			3.120B/2.663A 3.337B/2.879A	2.897B/2.463A 3.120B/2.663A 3.337B/2.879A		2.818 - 0.214 .7944 3.033 - 0.219 .8139					4 UNCH 2 UNCH
2725 2750 3000			3.568B/3.095A 3.793B/3.311A 6.120B/5.643A	3.568B/3.095A 3.793B/3.311A 6.120B/5.643A		3.253 - 0.223 .8315 3.476 - 0.227 .8476 5.829 - 0.251 .9407					1 UNCH 5 UNCH 114 UNCH
3350 3425 3550			/9.121A /9.870A /11.119A	9.309B/9.121A 10.058B/9.870A 11.307B/11.119A		9.281 - 0.261 .9794 10.029 - 0.262 .9832 11.279 - 0.262 .9871	 10				10 UNCH 34 UNCH 31 - 10
TOTAL MAR24									99	0	4480 + 36
1400 1500 1550				/0.005A 0.003B/0.007A 0.004B/0.008A		0.003 UNCH .0019 0.004 UNCH .0027 0.006 + 0.001 .0041					1 UNCH 14 UNCH 1 UNCH
1575 1600 1625				0.005B/0.009A 0.006B/0.010A 0.007B/0.011A		0.006 UNCH .0042 0.007 UNCH .0050 0.009 UNCH .0063					1 UNCH 28 UNCH 1 UNCH
1650 1675 1700				0.008B/0.012A 0.010B/0.013A 0.011B/0.015A		0.010 UNCH .0071 0.012 UNCH .0085 0.013 - 0.001 .0093					62 UNCH 4 UNCH 14 UNCH
1725 1750 1775	0.015	0.015 	0.015/*0.015 	0.015/*0.015 0.016B/0.019A 0.019B/0.022A		0.016 UNCH .0114 0.018 - 0.001 .0129 0.021 - 0.001 .0151			1 		13 UNCH 24 UNCH 24 UNCH
1800 1825 1850	0.032	 0.032	/0.025A /0.029A 0.032/*0.032	0.023B/0.025A 0.030B/0.029A 0.036B/*0.032		0.024 - 0.002 .0173 0.029 - 0.002 .0207 0.034 - 0.002 .0242			 3		239 UNCH 5 UNCH 35 + 3
1875 1900 1925			/0.039A 0.052B/0.046A 0.063B/0.055A	0.043B/0.039A 0.052B/0.046A 0.063B/0.055A		0.040 - 0.003 .0284 0.047 - 0.004 .0332 0.056 - 0.005 .0392			 8 		58 UNCH 37 + 3 22 UNCH
1925 1950 1975 2000	0.091	 0.091	0.075B/0.064A 0.091B/0.076A 0.109B/0.090A	0.075B/0.064A 0.091B/0.076A 0.109B/0.090A		0.067 - 0.006 .0462 0.080 - 0.008 .0544 0.096 - 0.009 .0641			 3		15 UNCH 9 UNCH 182 + 2
2000			, 0.000A	, 0.000		0.000 10041					

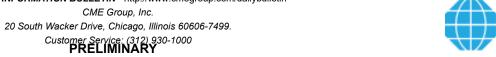
METALS OPTIONS PRODUCTS

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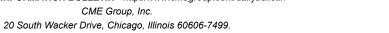
					PRELIMINA	N I					
PG64	BULLET	IN #225@		ME	TALS OPTION F	PRODUCTS		OPEN	Tue, No	v 21,	2023 PG64
	GLOBEX OPEN	OPEN OUTCRY OPEN RANGE	GLOBEX HIGH/LOW	OPEN OUTCRY HIGH/LOW	OPEN OUTCRY CLOSE RANGE	SETT.PRICE & PT.CHGE. DELT	EXER A CISES	OUTCRY VOLUME	GLOBEX® PI VOLUME V	NT OLUME	OPEN INTEREST
SO PU		COMEX SILVER (OPTIONS								
MAR24 2025 2050 2075 2100 2125 2150			0.131B/0.106A 0.157B/0.125A 0.187B/0.148A 0.222B/0.175A 0.264B/0.206A 0.312B/0.243A	0.131B/0.106A 0.157B/0.125A 0.187B/0.148A 0.222B/0.175A 0.264B/0.206A 0.312B/0.243A	 	0.114 - 0.012 .07 0.136 - 0.015 .08 0.162 - 0.017 .10 0.191 - 0.022 .11 0.226 - 0.026 .13 0.266 - 0.032 .15	76 20 77 58		4 		53 + 2 41 UNCH 60 UNCH 447 + 4 201 UNCH 265 UNCH
2175 2200 2225	0.343	0.343	0.367B/0.286A 0.430B/0.335A 0.502B/0.391A	0.367B/0.286A 0.430B/0.335A 0.502B/0.391A		0.313 - 0.037 .17 0.366 - 0.044 .20 0.427 - 0.052 .22	17 77		2 -		45 UNCH 240 - 1 14 UNCH
2250 2275 2300	0.631 0.726	0.631 0.726	0.583B/0.455A 0.674B/0.528A 0.774B/0.608A	0.583B/0.455A 0.674B/0.528A 0.774B/0.608A		0.496 - 0.060 .25 0.573 - 0.070 .28 0.660 - 0.079 .31	55 47		<u> </u>		233 + 1 43 - 6 164 + 7
2325 2350	0.710 0.946	0.710 0.946	0.884B/0.698A 1.003B/0.798A	0.884B/0.698A 1.003B/0.798A		0.755 - 0.090 .34 0.861 - 0.100 .37	73 98		10 6		69 UNCH 228 - 6
2375 2400 2425	1.072	1.072	1.133B/0.908A 1.271B/1.026A 1.419B/1.151A	1.133B/0.908A 1.271B/1.026A 1.419B/1.151A		0.975 - 0.111 .41 1.100 - 0.120 .44 1.233 - 0.130 .47	58		11		118 UNCH 84 - 2 77 UNCH
2450 2475	1.383 1.650	1.383 1.650	1.576B/1.287A 1.740B/1.431A 1.912B/1.587A	1.576B/1.287A 1.740B/1.431A 1.912B/1.587A		1.376 - 0.139 .51 1.527 - 0.148 .54 1.687 - 0.155 .57	07 19				93 - 5 9 UNCH 130 + 1
2500 2525 2550			2.081B/1.750A 2.265B/1.919A	2.081B/1.750A 2.265B/1.919A		1.854 - 0.163 .60 2.029 - 0.169 .62	08 30				33 UNCH 41 UNCH
2575 2600 2625			2.457B/2.087A 2.649B/2.276A 2.856B/2.456A	2.457B/2.087A 2.649B/2.276A 2.856B/2.456A		2.210 - 0.176 .65 2.398 - 0.181 .67 2.591 - 0.186 .70	34				30 UNCH 58 UNCH 30 UNCH
2650 2675 2700			3.057B/2.654A 3.272B/2.852A 3.481B/3.059A	3.057B/2.654A 3.272B/2.852A 3.481B/3.059A		2.789 - 0.191 .72 2.992 - 0.196 .74 3.199 - 0.201 .76	27				128 UNCH 2 UNCH 21 UNCH
2725 2750			3.700B/3.266A 3.916B/3.473A	3.700B/3.266A 3.916B/3.473A		3.410 - 0.205 .77 3.624 - 0.210 .79	83 44				2 UNCH 1 UNCH
2775 2800 2825			4.141B/3.689A 4.366B/3.905A 4.599B/4.129A	4.141B/3.689A 4.366B/3.905A 4.599B/4.129A		4.062 - 0.218 .82 4.285 - 0.221 .83	29 55				8 UNCH 3 UNCH 1 UNCH
2875 2900 2950			5.059B/4.579A 5.292B/4.799A 5.760B/5.259A	5.059B/4.579A 5.292B/4.799A 5.760B/5.259A		4.739 - 0.227 .85 4.968 - 0.231 .86 5.433 - 0.236 .88	76				1 UNCH 7 UNCH 1 UNCH
2975 3000 3025			6.003B/5.500A 6.237B/5.730A 6.480B/5.970A	6.003B/5.500A 6.237B/5.730A 6.480B/5.970A		5.668 - 0.238 .89 5.904 - 0.240 .89 6.141 - 0.242 .90	97				15 UNCH 45 UNCH 1 UNCH
3150 3200			7.686B/7.160A /7.650A	7.686B/7.160A 8.074B/7.650A		7.343 - 0.247 .93 7.829 - 0.249 .93	19 95				1 UNCH 4 UNCH
3225 3250 3300			/7.890A /8.130A /8.655A	8.173B/7.890A 8.323B/8.130A 8.813B/8.655A		8.073 - 0.250 .94 8.317 - 0.252 .94 8.808 - 0.253 .95	50 19				1 UNCH 1 UNCH 22 UNCH
3325 3350 3375			/8.900A /9.147A /9.393A	9.060B/8.900A 9.306B/9.147A 9.552B/9.393A		9.053 - 0.254 .95 9.300 - 0.254 .95 9.546 - 0.256 .95	57				3 UNCH 1 UNCH 16 UNCH
3400 3450 3475			/9.622A /10.134A /10.382A	9.842B/9.622A 10.306B/10.134A 10.554B/10.382A		9.793 - 0.256 .96 10.288 - 0.258 .96 10.536 - 0.258 .96	50				126 UNCH 2 UNCH 3 UNCH
3500 3575			/10.631A /11.378A	10.803B/10.631A 11.551B/11.378A		10.785 - 0.258 .96 11.531 - 0.260 .97	30		21		32 + 21 30 UNCH
TOTAL APR24	•								113	0	4073 + 24
1300 1500 1550				0.002B/*0.005A 0.007B/*0.011A 0.009B/0.014A		0.004 UNCH .00 0.010 + 0.001 .00 0.012 + 0.001 .00	56				2 UNCH 2 UNCH 2 UNCH
1650 1675 1700				0.017B/0.020A 0.019B/0.023A 0.022B/0.026A		0.019 UNCH .01 0.021 UNCH .01 0.024 UNCH .01	25				4 UNCH 4 UNCH 8 UNCH
1725 1775	0.041	 0 041	 0.041/*0.041	0.026B/0.029A 0.038B/0.038A 0.045B/*0.041		0.027 - 0.001 .01 0.037 - 0.001 .02	52 20				1 UNCH 1 UNCH
1800 1850 1875	0.041	0.041 	/0.057A 0.073B/0.066A	0.062B/0.057A 0.073B/0.066A		0.058 - 0.004 .03 0.068 - 0.004 .03	40 94				3 UNCH 1 UNCH
1900 1925 1950			/0.076A 0.100B/0.088A 0.117B/0.101A	0.085B/0.076A 0.100B/0.088A 0.117B/0.101A		0.079 - 0.006 .04 0.092 - 0.007 .05 0.107 - 0.008 .06	23				1 UNCH 3 UNCH 4 UNCH
1975 2000 2025			0.137B/0.117A 0.160B/0.136A 0.187B/0.157A	0.137B/0.117A 0.160B/0.136A 0.187B/0.157A		0.124 - 0.010 .06 0.144 - 0.012 .07 0.167 - 0.014 .09	38		3 -		11 UNCH 21 + 3 25 UNCH
2050 2075			0.217B/0.181A 0.252B/0.209A 0.293B/0.241A	0.217B/0.181A 0.252B/0.209A		0.194 - 0.016 .10 0.224 - 0.019 .11	27 55				6 UNCH 8 UNCH
2100 2125 2150			0.338B/0.278A 0.390B/0.319A	0.293B/0.241A 0.338B/0.278A 0.390B/0.319A		0.298 - 0.026 .14 0.342 - 0.031 .16	36 59				80 - 1 7 UNCH 10 UNCH
2175 2200 2225			0.448B/0.365A 0.513B/0.418A 0.585B/0.477A	0.448B/0.365A 0.513B/0.418A 0.585B/0.477A		0.393 - 0.036 .18 0.449 - 0.042 .20 0.513 - 0.048 .23	32 11				12 + 1 14 UNCH 11 + 1
2250 2275 2300			0.667B/0.542A 0.756B/0.615A 0.853B/0.696A	0.667B/0.542A 0.756B/0.615A 0.853B/0.696A		0.583 - 0.055 .25 0.661 - 0.062 .28 0.746 - 0.071 .30	06				16 UNCH 11 UNCH 4 UNCH
2375 2400	1.230	1.230	1.194B/0.987A 1.326B/1.100A 2.272B/1.948A	1.194B/0.987A 1.326B/1.100A 2.272B/1.948A		1.052 - 0.096 .39 1.171 - 0.104 .41 2.050 - 0.150 .58	06 92		1 .		11 UNCH 3 UNCH 1 UNCH
2550 2675 3150			3.211B/2.836A 7.502B/7.008A	3.211B/2.836A 7.502B/7.008A		2.961 - 0.180 .69 7.174 - 0.236 .90	22 05				1 UNCH 2 UNCH
3175 TOTAL			7.744B/7.236A	7.744B/7.236A		7.413 - 0.237 .90	58		9	0	4 UNCH 396 + 4
MAY24 1500 1550				0.013B/*0.017A 0.016B/0.021A		0.015 UNCH .00 0.019 UNCH .00	99				10 UNCH 25 UNCH
1650 1700 1725	0.040	0.040	0.040/*0.039 /*0.047A	0.029B/0.033A 0.041B/*0.039 0.047B/0.047A		0.031 - 0.001 .01 0.040 - 0.002 .02 0.046 - 0.002 .02	12		2 -		1 UNCH 20 - 1 53 UNCH
1750 1775 1800			/0.053A /0.061A /0.069A	0.055B/0.053A 0.063B/0.061A 0.073B/0.069A		0.053 - 0.003 .02 0.061 - 0.003 .03 0.070 - 0.004 .03	17				16 UNCH 4 UNCH 100 UNCH
1825 1850			/0.079A /0.089A 0.130B/0.116A	0.085B/0.079A 0.098B/0.089A 0.130B/0.116A		0.080 - 0.005 .04 0.092 - 0.006 .04	11 59				6 UNCH 336 UNCH
1900 1950 2000			0.173B/0.151A 0.228B/0.196A	0.173B/0.151A 0.228B/0.196A		0.158 - 0.011 .07 0.207 - 0.015 .09	71 31		1		2 UNCH 3 UNCH 22 UNCH
2025 2050 2075			0.261B/0.223A 0.299B/0.253A 0.342B/0.288A	0.261B/0.223A 0.299B/0.253A 0.342B/0.288A		0.236 - 0.018 .11 0.269 - 0.021 .12 0.306 - 0.024 .13	34				31 UNCH 25 UNCH 17 UNCH
2100 2125 2150			0.390B/0.327A 0.443B/0.371A 0.502B/0.420A	0.390B/0.327A 0.443B/0.371A 0.502B/0.420A		0.348 - 0.028 .15 0.395 - 0.032 .17 0.448 - 0.035 .18	05				13 - 1 20 UNCH 87 UNCH
2175 2200			0.568B/0.474A 0.641B/0.534A	0.568B/0.474A 0.641B/0.534A		0.506 - 0.041 .20 0.570 - 0.046 .22	32 37				40 UNCH 32 UNCH
2225 2250 2275			0.722B/0.602A 0.809B/0.675A 0.904B/0.755A	0.722B/0.602A 0.809B/0.675A 0.904B/0.755A		0.719 - 0.058 .27 0.803 - 0.066 .29	30 54				216 UNCH 9 UNCH 28 UNCH
2300 2325 2350			1.006B/0.844A 1.116B/0.938A 1.233B/1.040A	1.006B/0.844A 1.116B/0.938A 1.233B/1.040A		0.895 - 0.073 .32 0.994 - 0.081 .34 1.100 - 0.089 .37	53 04				5 UNCH 208 UNCH 12 UNCH
2375 2400 2425	1.424 1.551	1.424 1.551	1.359B/1.150A 1.492B/1.269A 1.632B/1.393A	1.359B/1.150A 1.492B/1.269A 1.632B/1.393A		1.214 - 0.097 .39 1.336 - 0.105 .42 1.465 - 0.112 .44	58 13		1 .		81 UNCH 133 UNCH 28 + 4
2450 2475	1.574	1.574 1.723	1.778B/1.525A 1.932B/1.660A 2.092B/1.803A	1.778B/1.525A 1.932B/1.660A		1.601 - 0.120 .47 1.744 - 0.127 .49	21 58		6 1		74 + 6 15 + 1
2500 2525 2550			2.259B/1.957A 2.431B/2.121A	2.092B/1.803A 2.259B/1.957A 2.431B/2.121A		2.051 - 0.140 .54 2.214 - 0.146 .56	44 71				10 UNCH 15 UNCH 1 UNCH
2575 2600 2625			2.609B/2.276A 2.780B/2.453A 2.961B/2.628A	2.609B/2.276A 2.780B/2.453A 2.961B/2.628A		2.383 - 0.152 .58 2.558 - 0.157 .60 2.737 - 0.163 .63	99 00				6 UNCH 79 UNCH 1 UNCH
2725 2750 2850			3.752B/3.371A 3.961B/3.575A 4.808B/4.391A	3.752B/3.371A 3.961B/3.575A 4.808B/4.391A		3.501 - 0.181 .70 3.702 - 0.185 .71 4.535 - 0.201 .77	12 58				3 UNCH 8 UNCH 1 UNCH
3150 3250 3275			7.560B/7.071A 8.508B/8.021A 8.748B/8.255A	7.560B/7.071A 8.508B/8.021A 8.748B/8.255A		7.241 - 0.229 .87 8.186 - 0.235 .89 8.424 - 0.236 .90	51 59				1 UNCH 4 UNCH 2 UNCH
3275 3500 3525			10.907B/10.426A /10.668A	10.907B/10.426A 11.032B/10.668A		10.598 - 0.246 .93 10.842 - 0.247 .93	12				21 UNCH 2 UNCH
THE T	NEODMATTON	CONTATNED IN T	LITE BEDORT TO COMPTI	ED FOR THE CONVENT	ENCE OF THE HEED	AND IS FURNISHED WITHOUT	DECDONCEDE	LTTV FOR	ACCURACY O	D CONTEN	NT. IT

METALS OPTIONS PRODUCTS

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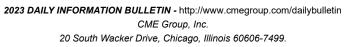




PG64 BULLETIN #225@ METALS OPTION PRODUCTS	O.248 .9364 O.001 .0051 UNCH .0086 O.001 .0104 O.001 .0118 O.001 .0134	EXER CISES	OPEN OUTCRY VOLUME	Tue, GLOBEX® VOLUME	NOV 21, PNT VOLUME		PG64 OPEN REST
OPEN OPEN RANGE HIGH/LOW HIGH/LOW CLOSE RANGE & PT.CHG SO PUT COMEX SILVER OPTIONS MAY24 3550/10.906A 11.152B/10.906A 11.086 TOTAL JUL24 1300 0.010B/*0.015A 0.012 1400 0.012 0.016B/*0.022A 0.020 1450 0.021B/*0.026A 0.024 1475 0.024B/*0.029A 0.027 1500 0.027B/*0.032A 0.031 1575 0.044A 0.040B/*0.044A 0.043 1575/*0.044A 0.040B/*0.044A 0.043	O.248 .9364 O.001 .0051 UNCH .0086 O.001 .0104 O.001 .0118 O.001 .0134	CISES	OUTCRY				
SO PUT COMEX SILVER OPTIONS MAY24 3550/10.906A 11.152B/10.906A 11.086 TOTAL JUL24 1300 0.010B/*0.015A 0.012 1400 0.012 0.016B/*0.022A 0.020 1450 0.020 0.021B/*0.026A 0.024 1475 0.024B/*0.029A 0.027 1500 0.027	0.248 .9364 0.001 .0051 UNCH .0086 0.001 .01104 0.001 .0118 0.001 .0134				V020.12		
MAY24 3550 10.906A 11.152B/10.906A 11.086 TOTAL JUL24 1300 0.010B/*0.015A 0.020 1400 0.012 0.021B/*0.026A 0.024 1475 0.024B/*0.029A 0.027 1500 0.027 1575 0.024B/*0.032A 0.031 1575/*0.044A 0.040B/*0.044A 0.043	0.001 .0051 UNCH .0086 0.001 .0104 0.001 .0118 0.001 .0134						
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	UNCH .0086 0.001 .0104 0.001 .0118 0.001 .0134			16		2 1828 +	UNCH 9
1450 0.0218/*0.026A 0.024 - 1475 0.0248/*0.029A 0.027 - 1500 0.0278/*0.032A 0.031 - 1575/*0.044A 0.0408/*0.044A 0.043 -	0.001 .0104 0.001 .0118 0.001 .0134					4	UNCH
1500 0.027B/*0.032A 0.031 - 1575/*0.044A 0.040B/*0.044A 0.043 -						26 4	UNCH UNCH UNCH
						6 8	UNCH
1650/0.062A 0.062B/0.062A 0.061 - 1675/0.069A 0.070B/0.069A 0.068 -	0.002 .0264 0.003 .0294					209 1 16	UNCH UNCH UNCH
1700 0.07/A 0.080B/0.07/A 0.07/ - 1750/0.097A 0.103B/0.097A 0.098 -	0.004 .0331 0.005 .0416					58 11 3	UNCH UNCH UNCH
1800/0.123A	0.007 .0519 0.008 .0581					71 1	UNCH UNCH
1850 0.168B/0.154A 0.168B/0.154A 0.158 - 1875 0.190B/0.173A 0.190B/0.173A 0.178 - 1900 0.214B/0.194A 0.214B/0.194A 0.200 -	0.010 .0722					2 1 52	UNCH UNCH UNCH
1950 0.271B/0.243A 0.271B/0.243A 0.252 - 1975 0.305B/0.272A 0.305B/0.272A 0.283 -	0.015 .0985 0.017 .1090					68 28	UNCH UNCH
2000 0.343B/0.304A 0.343B/0.304A 0.317 - 2025 0.384B/0.339A 0.384B/0.339A 0.354 - 2050 0.430B/0.378A 0.430B/0.378A 0.395 -	0.022 .1322					240 50 11	UNCH UNCH UNCH
2100 0.536B/0.468A 0.536B/0.468A 0.491 - 2150 0.662B/0.577A 0.662B/0.577A 0.605 -	0.031 .1737 0.039 .2057					5 13	UNCH UNCH
2200 0.728 0.728 0.812B/0.707A 0.812B/0.707A 0.741 - 2225 0.896B/0.780A 0.896B/0.780A 0.817 -	0.048 .2410 0.053 .2596			1		2 70 - 4	UNCH 1 UNCH
2250 0.988b/0.859A 0.988b/0.859A 0.900 - 2275 1.083b/0.943A 1.083b/0.943A 0.988 - 2300 1.188b/1.035A 1.188b/1.035A 1.083 -	0.064 .2989					35 2 100	UNCH UNCH UNCH
2325 1.298B/1.133A 1.298B/1.133A 1.184 - 2350 1.415B/1.236A 1.415B/1.236A 1.292 -	0.075 .3400 0.080 .3610					29 23	UNCH UNCH
2375 1.538B/1.346A 1.538B/1.346A 1.406 - 2400 1.667B/1.463A 1.667B/1.463A 1.526 - 2425 1.803B/1.587A 1.803B/1.587A 1.653 -	0.092 .4034					28 27 13	UNCH UNCH UNCH
2450 1.945B/1.716A 1.945B/1.716A 1.786 - 2500 2.245B/1.992A 2.245B/1.992A 2.070 -	0.103 .4458 0.115 .4873					15 17	UNCH UNCH
2525 2.4048/2.140A 2.4048/2.140A 2.220 - 2550 2.5688/2.287A 2.5688/2.287A 2.377 - 2600 2.9098/2.611A 2.9098/2.611A 2.705 -	0.126 .5268					2 1 6	UNCH UNCH UNCH
2625 3.087B/2.779A 3.087B/2.779A 2.876 - 2825 4.621B/4.255A 4.621B/4.255A 4.386 -	0.175 .7014					12 1 15	UNCH UNCH UNCH
3300 8.865B/8.399A 8.865B/8.399A 8.566 - 3400 9.808B/9.349A 9.808B/9.349A 9.504 -	0.220 .8592					15 11	UNCH UNCH
3600 11.730B/11.250A 11.730B/11.250A 11.415 - TOTAL	0.236 .9062			1	0	3 1323 -	UNCH 1
SEP24 1600/*0.083A 0.081B/0.083A 0.081 - 1675/0.113A 0.115B/0.113A 0.112 -	0.003 .0298					4	UNCH
1700 0.125A 0.128B/0.125A 0.125 - 1875 0.277B/0.258A 0.277B/0.258A 0.262	0.004 .0449 NEW .0884			 1		1 1 1 +	UNCH UNCH 1
1900 0.308B/0.285A 0.308B/0.285A 0.291 - 1950 0.379B/0.348A 0.379B/0.348A 0.357 -	0.019 .1157					2 10 2	UNCH UNCH UNCH
2025 0.514B/0.465A 0.514B/0.465A 0.480 - 2050 0.567B/0.511A 0.567B/0.511A 0.529 -	0.027 .1488 0.030 .1612					10 352	UNCH
2100 0.687B/0.617A 0.687B/0.617A 0.639 - 2150 0.826B/0.740A 0.826B/0.740A 0.767 - 2175 0.903B/0.809A 0.903B/0.809A 0.838 -						9 13 6	UNCH UNCH UNCH
2200 0.986B/0.882A 0.986B/0.882A 0.915 - 2225 0.975 0.975 1.074B/0.961A 1.074B/0.961A 0.996 -	0.052 .2487 0.057 .2651			1		12 4	UNCH UNCH
2250 1.168B/1.045A 1.168B/1.045A 1.083 - 2275 1.267B/1.134A 1.267B/1.134A 1.175 - 2300 1.372B/1.229A 1.372B/1.229A 1.273 -	0.066 .2993					10 1 1	UNCH UNCH UNCH
2325 1.483B/1.328A 1.483B/1.328A 1.376 - 2350 1.599B/1.433A 1.599B/1.433A 1.485 -	0.079 .3527					1 1	UNCH
2400 1.850B/1.663A 1.850B/1.663A 1.719 - 3500 10.648B/10.208A 10.648B/10.208A 10.353 -	0.088 .3890 0.226 .8545					1 1 2 6	UNCH UNCH UNCH
3550 11.110B/10.672A 11.110B/10.672A 10.822 - TOTAL	0.229 .8623			2	0	6 451 +	UNCH 1
DEC24 1600 0.157 -						1	UNCH
1800 0.284 - 1900 0.403 - 2000 0.582 -	0.032 .1117					10 5 4	UNCH UNCH UNCH
2100 0.821 - 2450 2.185 -	0.111 .4034					14 4 28	UNCH UNCH UNCH
2500 2.460 - 3325 8.744 - TOTAL	0.207 .7628					15 81	UNCH 0
SO1 CALL SILVER OPTIONS DEC23							
2220 2.183B/ 2.183B/1.960A 2.033 + 2235 2.036B/ 2.036B/ 1.886 +	0.250 .9687					1 5 1	UNCH UNCH UNCH
2250 1.890B/1.400A 1.890B/1.400A 1.741 + 2265 1.745B/ 1.745B/ 1.598 +	0.246 .9594 0.241 .9480					4 2	UNCH
2305 1.3678/ 1.3678/1.161A 1.228 + 2315 1.2768/ 1.2768/1.070A 1.319 + 2320 1.2318/ 1.2318/ 1.096 +	0.212 .8773					18 3 10	UNCH UNCH UNCH
2350 1.016B/0.582A 1.016B/0.582A 0.849 + 2365 0.861B/0.494A 0.861B/0.494A 0.736 +	0.179 .7875 0.161 .7382					4 8	UNCH UNCH
2375 0.813B/0.440A 0.813B/0.440A 0.665 + 2380 0.741 0.741 0.74F/0.416A 0.747B/0.416A 0.632 + 2385 0.733B/0.392A 0.733B/0.392A 0.599 +	0.143 .6829			1		2 7 + 1	UNCH 1 UNCH
2390 0.699B/0.369A 0.699B/0.369A 0.567 + 2400 0.638B/0.327A 0.638B/0.327A 0.507 +	0.130 .6434 0.119 .6019					39 36 8	UNCH UNCH
2415	0.101 .5380 0.096 .5166					10 2	UNCH UNCH UNCH
2425 0.412 0.412 0.488B/0.238A 0.488B/0.238A 0.376 + 2430 0.463B/0.223A 0.463B/0.223A 0.353 + 0.458B/0.210A 0.436B/0.210A 0.332 +	0.085 .4739			21 		25 + 5 4	13 UNCH UNCH
2445 0.387B/0.184A 0.387B/0.184A 0.292 + 2450 0.367B/0.174A 0.367B/0.174A 0.273 +	0.071 .4119 0.065 .3918			1		4 10 +	UNCH 1
2455 0.344B/0.162A 0.344B/0.162A 0.256 + 2480 0.253B/0.118A 0.253B/0.118A 0.183 + 2500 0.142 0.142 0.196B/0.092A 0.196B/0.092A 0.139 +	0.042 .2835			 3		5 6 5 +	UNCH UNCH 1
2525 0.140B/0.067A 0.140B/0.067A 0.099 + 2550 0.101B/0.050A 0.101B/0.050A 0.071 +	0.020 .1645 0.013 .1201					1 1 1	UNCH UNCH
2625 0.032 0.032 0.040B/0.024A 0.040B/0.024A 0.029 2650 0.029 0.029 0.031B/0.020A 0.031B/0.020A 0.023 +	NEW .0484 0.002 .0375			2 5		1 + 5 +	UNCH 1 3
2700 0.018 0.018 0.020B/0.018 0.020B/0.014A 0.016 + 2800 0.010 0.010 0.010/0.010 0.010/0.009A 0.011				6 10 49		7 + 10 + 251 +	6 10 36
TOTAL SOI PUT SILVER OPTIONS				7.7	J	2J1 T	30
DEC23 2025 0.001B/*0.003A 0.002 - 2100 0.003B/*0.005A 0.003 -	0.002 .0046					1 1	UNCH UNCH
2125 0.005B/0.006A 0.004 - 2150/*0.007A 0.007B/*0.007A 0.006 -	0.002 .0063 0.002 .0097					17 5 4	UNCH UNCH
2175/*0.009A 0.0108/*0.009A 0.008 2180/*0.009A 0.0118/*0.009A 0.008 -	NEW .0135 0.004 .0137			5 		5 + 4	UNCH 5 UNCH
2200/*0.010A 0.016B/*0.010A 0.011 - 2225 0.023 0.023 0.026B/*0.014A 0.026B/*0.014A 0.015 2240 0.034B/*0.017A 0.034B/*0.017A 0.019 -	NEW .0271			4 		4 4 + 4	UNCH 4 UNCH

METALS OPTIONS PRODUCTS

Side 41







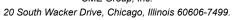


PG64 BULLET:	IN #225@		ME	TALS OPTION PRO	DDUCTS			Tue,	Nov 21,	2023 PG64
GLOBEX OPEN	OPEN OUTCRY OPEN RANGE	GLOBEX HIGH/LOW	OPEN OUTCRY HIGH/LOW	OPEN OUTCRY CLOSE RANGE	SETT.PRICE & PT.CHGE. DELTA	EXER CISES	OPEN OUTCRY VOLUME	GLOBEX® VOLUME	PNT VOLUME	OPEN INTEREST
SO1 PUT DEC23 2250 2280 2285 2300 0.066 2305 2310 2310 2320 2320 2350 0.208 2340 2350 0.208 2375 0.232 2375 0.232 2385 2410 2410 2410 2410 2420 2430 2430 2430 2430 2430 2430 2430 2430 2430 2430 2430 2430 2430 2430 2445	SILVER OPTIONS 0.066 0.100 0.290 0.232 0.236	0.041B/*0.019A 0.073B/*0.030A 0.080B/*0.035A 0.088B/*0.035A 0.105B/*0.046A 0.125B/*0.050A 0.125B/*0.050A 0.150B/*0.060A 0.150B/*0.066A 0.177B/*0.072A 0.192B/*0.078 0.209B/*0.085A 0.244B/*0.130A 0.335B/*0.133A 0.343B/*0.180A 0.433B/*0.180A 0.438B/*0.227A 0.438B/*0.227A 0.519B/*0.227A 0.519B/*0.225A 0.551B/*0.268A 0.637B/*0.305A 0.637B/*0.329A /*0.352A /*0.376A /*0.425A	0.041B/*0.019A 0.073B/*0.030A 0.080B/*0.035A 0.088B/*0.035A 0.105B/*0.042A 0.115B/*0.046A 0.125B/*0.050A 0.155B/*0.050A 0.150B/*0.060A 0.177B/*0.072A 0.192B/*0.078A 0.209B/*0.085A 0.244B/*0.100 0.305B/*0.130A 0.355B/*0.130A 0.355B/*0.125A 0.438B/*0.125A 0.430B/*0.355A 0.430B/*0.352A 0.575B/*0.325A 0.582B/*0.225A 0.519B/*0.245A 0.519B/*0.245A 0.519B/*0.352A 0.582B/*0.352A 0.582B/*0.352A 0.582B/*0.352A		0.022 - 0.016 .0405 0.037 - 0.028 .0679 0.040 - 0.031 .0735 0.044 - 0.033 .0804 0.053 - 0.039 .0958 0.058 - 0.042 .1042 0.063 - 0.064 .1128 0.076 - 0.054 .1336 0.083 - 0.058 .1447 0.091 - 0.063 .1569 0.099 NEW .1693 0.108 - 0.073 .1827 0.129 - 0.083 .2123 0.166 - 0.100 .2617 0.195 - 0.113 .2979 0.228 - 0.125 .3365 0.246 - 0.132 .3565 0.246 - 0.143 .3980 0.308 - 0.149 .4192 0.330 - 0.155 .4404 0.354 - 0.161 .4618 0.379 - 0.166 .4833 0.405 - 0.177 .5259 0.461 - 0.181 .5469			 5 17 25 10 6 1		5 UNCH 10 UNCH 2 UNCH 4 UNCH 15 + 5 21 UNCH 4 UNCH 7 UNCH 3 UNCH 5 + 5 3 UNCH 19 - 14 13 + 10 8 - 5 2 UNCH 11 UNCH 7 UNCH 12 UNCH 11 UNCH 12 UNCH 12 UNCH 13 UNCH 14 UNCH 15 UNCH 16 UNCH 17 UNCH 18 UNCH 18 UNCH 19 UNCH 10 UNCH 10 UNCH 11 UNCH 11 UNCH 11 UNCH 12 UNCH 12 UNCH 13 UNCH 14 UNCH 15 UNCH 16 UNCH 17 UNCH 18 UNCH 18 UNCH 18 UNCH 18 UNCH 18 UNCH 18 UNCH 18 UNCH 18 UNCH 19 UNCH 10 UNCH 10 UNCH 10 UNCH 11 UNCH 11 UNCH 12 UNCH 12 UNCH 13 UNCH 14 UNCH 15 UNCH 16 UNCH 17 UNCH 17 UNCH 18 UNCH 18 UNCH 18 UNCH 18 UNCH 18 UNCH 18 UNCH 18 UNCH 18 UNCH 19 UNCH 19 UNCH 10 UNCH 10 UNCH 10 UNCH 11 UNCH 11 UNCH 11 UNCH 12 UNCH 12 UNCH 18 U
2450 2455 0.510 TOTAL	0.510	0.822B/*0.455A 0.510/*0.484A	0.822B/*0.455A 0.646B/*0.484A		0.552 - 0.196 .6081 0.585 NEW .6275			4 87	0	1 UNCH 4 + 4 263 + 24
SO2 CALL DEC23 2325 2340 2345 2350 2366 2390 2400 2410 2410 2425 2435 2450 0.426 2460 2450 0.426 2460 2525 0.200 2550 0.144 2575 2500 0.144 2575 2500 0.144 2575 2500 0.144 2575 2600 0.102 2625 0.081 2650 0.045 2675 0.044 2700 0.039 2725 0.036 2800	SILVER OPTIONS 0.426 0.426 0.144 0.102 0.081 0.045 0.044 0.039 0.036	1.289B/0.861A 1.086B/0.750A 1.094B/0.750A 1.097B/0.689A 0.969B/0.632A 0.958B/0.605A 0.913B/0.554A 0.913B/0.554A 0.719B/0.420A 0.608B/0.440A 0.719B/0.420A 0.608B/0.346A 0.555B/0.313A 0.485B/0.270A 0.442B/0.2244A 0.402B/0.222A 0.386B/0.210A 0.331B/0.182A 0.331B/0.182A 0.334B/0.105A 0.236B/0.129A 0.183B/0.101A 0.112B/0.064A 0.088B/0.052A 0.070B/0.042A 0.056B/0.035A 0.035B/0.025A 0.035B/0.025A 0.035B/0.025A 0.035B/0.025A	1.289B/0.861A 1.086B/0.750A 1.044B/0.750A 1.097B/0.689A 0.969B/0.632A 0.958B/0.606A 0.913B/0.554A 0.806B/0.483A 0.749B/0.420A 0.608B/0.440A 0.719B/0.420A 0.608B/0.346A 0.555B/0.3346A 0.555B/0.313A 0.485B/0.270A 0.442B/0.224A 0.402B/0.222A 0.386B/0.210A 0.331B/0.182A 0.331B/0.182A 0.331B/0.182A 0.331B/0.101A 0.112B/0.0664A 0.088B/0.032A 0.070B/0.035A 0.070B/0.025A 0.070B/0.025A 0.037B/0.025A 0.037B/0.025A		1.130 + 0.193 .7925 1.016 + 0.181 .7759 0.980 + 0.177 .7451 0.944 + 0.173 .7297 0.874 + 0.164 .7021 0.840 + 0.159 .6878 0.775 + 0.150 .6582 0.683 + 0.150 .6582 0.683 + 0.135 .6124 0.625 + 0.124 .5809 0.598 + 0.120 .5650 0.571 + 0.115 .5490 0.497 + 0.102 .5009 0.452 + 0.093 .4691 0.392 + 0.082 .4229 0.3355 + 0.075 .3929 0.3355 + 0.075 .3929 0.3358 + 0.071 .3785 0.322 + 0.068 .3644 0.307 + 0.065 .3110 0.238 + 0.050 .2861 0.184 + 0.037 .2305 0.142 + 0.027 .1840 0.111 + 0.021 .1470 0.087 + 0.012 .0946 0.056 + 0.009 .0760 0.045 NEW .0612 0.031 NEW .0612 0.031 NEW .0612 0.031 NEW .0612 0.031 NEW .0612					1 UNCH 3 UNCH 4 UNCH 1 UNCH 8 UNCH 3 UNCH 7 UNCH 3 UNCH 6 UNCH 1 UNCH 1 UNCH 2 UNCH 1
TOTAL SO2 PUT DEC23	SILVER OPTIONS		/*0.004A		0.001 UNCH .0002			3		
2025 2185 2195 2195 2215 2225 2235 2235 2266 2275 2280 2310 2310 2310 2310 2310 2310 2310 2310 2310 2310 2350 2350 2350 2350 2400 0.392 2425 0.528 2430 2435 2435 2435 2435 2435 2435 2435 2435 2450 C651		0.035B/*0.022A 0.041B/*0.025A 0.051B/*0.029A 0.055B/*0.030A 0.056B/*0.037A 0.074B/*0.037A 0.074B/*0.035A 0.092B/*0.047A 0.107B/*0.055A 0.115B/*0.059A 0.123B/*0.063A 0.132B/*0.068A 0.142B/*0.073A 0.142B/*0.073A 0.142B/*0.073A 0.145B/*0.117A 0.245B/*0.115A 0.260B/*0.134A 0.277B/*0.135A 0.352B/*0.185A 0.395B/*0.211A 0.466B/*0.253A 0.572B/*0.321A 0.576B/*0.321A 0.576B/*0.321A 0.576B/*0.321A 0.756B/0.452A 0.790B/0.476A /0.500A 0.917B/0.577A			0.001 UNCH .0002 0.002 - 0.001 .0030 0.024 - 0.010 .0360 0.027 - 0.012 .0406 0.033 - 0.015 .0494 0.036 - 0.015 .0534 0.041 - 0.018 .0606 0.044 - 0.019 .0648 0.047 - 0.021 .0690 0.058 - 0.025 .0840 0.066 - 0.030 .0949 0.076 - 0.032 .1014 0.076 - 0.032 .1014 0.076 - 0.034 .1079 0.081 - 0.037 .1145 0.087 - 0.040 .1220 0.115 - 0.051 .1558 0.132 - 0.058 .1753 0.141 - 0.061 .1855 0.151 - 0.065 .1753 0.141 - 0.061 .1855 0.151 - 0.065 .2073 0.173 - 0.072 .2195 0.224 - 0.089 .2702 0.254 - 0.098 .2702 0.254 - 0.098 .2702 0.254 - 0.098 .2702 0.254 - 0.098 .2702 0.254 - 0.098 .2702 0.256 NEW .3417 0.383 - 0.132 .4032 0.405 - 0.136 .4190 0.526 NEW .4990 0.553 - 0.164 .5149 0.581 - 0.168 .5307 0.670 NEW .5770			3 		3 + 3 1 UNCH 2 UNCH 3 UNCH 3 UNCH 3 UNCH 3 UNCH 3 UNCH 4 + 1 6 UNCH 6 UNCH 7 UNCH 7 UNCH 8 UNCH 7 UNCH 8 UNCH 9 UNCH 9 UNCH 1 UNCH 1 UNCH 1 UNCH 1 UNCH 1 UNCH 2 UNCH 3 UNCH 1 + 1 6 UNCH 3 UNCH 1 + 1 6 UNCH 3 UNCH 1 + 1
DEC23 2370 2380 2450		#1.029B/*0.696A #0.965B/*0.647A #0.595B/*0.377A	#1.029B/0.696A #0.965B/0.647A #0.595B/0.377A		0.908 + 0.156 .6467 0.848 + 0.149 .6216 0.501 NEW .4410			 4 4	 0	1 UNCH 1 UNCH 4 + 4 6 + 4
SO3 PUT DEC23 2250 0.115 2425 0.612 2435 0.653 2440 0.680 TOTAL SO4 CALL	SILVER OPTIONS 0.115 0.612 0.653 0.680 SILVER OPTIONS	0.147B/*0.088A #0.840B/*0.561A #0.881B/*0.611A #0.913B/*0.637A	0.147B/*0.088A 0.840B/*0.561A 0.881B/*0.611A 0.913B/*0.637A	==== =====	0.106 - 0.032 .1230 0.637 NEW .4949 0.692 NEW .5208 0.720 NEW .5336			2 1 2 2 7	 0	2 UNCH 1 + 1 2 + 2 2 + 2 7 + 5
NOV23 2220 2240 2250 2255 2265 1.068 2270 2275 1.260 2280 2300 2300 0.701 2310 0.701 2320 0.646 2325 2335 0.497 2345 2350	1.068 1.260 0.624 0.701 0.646 0.497 0.293 0.257	1.870B/1.315A 1.670B/1.120A 1.570B/1.025A 1.520B/0.975A 1.425B/0.880A 1.375B/0.835A 1.325B/0.790A 1.275B/0.745A 1.080B/0.575A 1.032B/0.535A 0.980B/0.499A 0.888B/0.425A 0.80B/0.380A 0.750B/0.318A 0.621B/0.238A 0.621B/0.238A 0.536B/0.125A	1.870B/1.315A 1.670B/1.120A 1.570B/1.025A 1.520B/0.975A 1.425B/0.880A 1.375B/0.790A 1.275B/0.790A 1.275B/0.790A 1.275B/0.755A 1.032B/0.535A 0.980B/0.575A 1.032B/0.335A 0.980B/0.499A 0.888B/0.425A 0.840B/0.380A 0.750B/0.318A 0.621B/0.238A 0.536B/0.125A 0.536B/0.194A 0.496B/0.1574A 0.496B/0.1574A 0.461B/0.1574A 0.421B/0.143A 0.421B/0.143A		1.672 + 0.250 .9957 1.473 + 0.247 .9934 1.373 + 0.244 .9912 1.324 + 0.243 .9909 1.225 + 0.240 .9883 1.176 + 0.238 .9859 1.127 + 0.235 .9833 1.078 + 0.232 .9806 0.981 + 0.224 .9725 0.885 + 0.215 .9612 0.837 + 0.209 .9530 0.791 + 0.204 .9442 0.699 + 0.190 .9210 0.654 + 0.182 .9064 0.566 NEW .8710 0.483 + 0.144 .8230 0.444 + 0.134 .7937 0.406 + 0.123 .7620 0.370 + 0.113 .77259 0.337 + 0.104 .6882 0.305 + 0.094 .6482 0.305 + 0.094 .6482 0.3076 + 0.085 .6061 0.248 + 0.076 .5634			100 11 11 12 12 100 11 11 11 11 11 11 11 11 11 11 11 11		7 UNCH 2 UNCH 1 UNCH 4 UNCH 20 UNCH 5 + 1 10 UNCH 17 - 83 2 + 1 6 - 1 11 UNCH 1 + 1 36 UNCH 17 + 1 36 UNCH 17 - 80 2 + 1 4 UNCH 17 UNCH 1 UNCH 2 UNCH 1 UNCH 2 UNCH 1 UNCH 1 UNCH 2 UNCH 2 UNCH 1 UNCH 2 UNCH 2 UNCH 1 UNCH 2 UNCH 2 UNCH 2 UNCH 2 UNCH 2 UNCH 2 UNCH

METALS OPTIONS PRODUCTS

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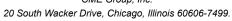


PG64 BULLE	TIN #225@	METALS OPTION PRODUCTS						Tue,	Nov 21,	2023 PG64
GLOBEX OPEN	OPEN OUTCRY OPEN RANGE	GLOBEX HIGH/LOW	OPEN OUTCRY HIGH/LOW	OPEN OUTCRY CLOSE RANGE	SETT.PRICE & PT.CHGE. DELTA	EXER CISES	OPEN OUTCRY VOLUME	GLOBEX® VOLUME	PNT VOLUME	OPEN INTEREST
SO4 CALL NOV23	SILVER OPTIONS									
NOV23 2385 2390 2390 2400 0.155 2405 0.222 2410 0.109 2415 0.110 2420 0.095 2425 0.090 2430 0.072 2430 0.072 2445 0.100 2450 0.042 2455 2460 0.052 2465 0.036 2470 0.049 2475 0.047 2480 0.031 2480 0.031 2490 2495 0.024 2550 0.024 2550 0.024 2550 0.024 2550 0.024 2550 0.024 2550 0.024 2550 0.024 2550 0.024 2550 0.024 2550 0.024	0.155 0.222 0.109 0.110 0.095 0.090 0.072 0.066 0.100 0.042 0.052 0.036 0.049 0.047 0.031 0.031 0.052 0.049 0.047 0.051	0.356B/0.116A 0.321B/0.104A 0.291B/0.094A 0.266B/0.084A 0.241B/0.076A 0.216B/0.068A 0.192B/0.061A 0.172B/0.054A 0.156B/0.049A 0.141B/0.044A 0.122B/0.036A 0.109B/0.036A 0.100/0.032A 0.088B/0.027A 0.061B/0.027A 0.061B/0.022A 0.043B/0.017A #0.063B/0.017A #0.034B/0.016A #0.034B/0.015A #0.034B/0.015A #0.034B/0.015A 0.028B/0.014A 0.011B/*0.008	0.356B/0.116A 0.321B/0.104A 0.291B/0.094A 0.266B/0.084A 0.241B/0.076A 0.216B/0.068A 0.192B/0.061A 0.172B/0.054A 0.156B/0.099A 0.141B/0.044A 0.122B/0.036A 0.109B/0.036A 0.100/0.032A 0.088B/0.029A 0.078B/0.027A 0.061B/0.022A 0.061B/0.022A 0.048B/0.018A 0.043B/0.017A 0.038B/0.015A 0.031B/0.015A 0.031B/0.015A 0.031B/0.015A 0.028B/0.010A 0.011B/*0.008A 0.006B/0.010A		0.222 + 0.067 .5202 0.199 + 0.060 .4772 0.177 + 0.052 .4349 0.157 + 0.045 .3938 0.138 + 0.037 .3537 0.122 + 0.032 .3165 0.107 + 0.026 .2810 0.094 + 0.021 .2484 0.082 + 0.017 .2180 0.072 + 0.014 .1912 0.063 + 0.011 .1669 0.055 NEW .1449 0.048 + 0.006 .1255 0.042 + 0.005 .1086 0.037 + 0.004 .0942 0.033 + 0.005 .1086 0.037 + 0.004 .0942 0.029 NEW .0712 0.026 + 0.002 .0624 0.023 + 0.001 .0540 0.020 UNCH .0461 0.016 - 0.001 .0351 0.015 NEW .0319 0.013 - 0.002 .0270 0.006 - 0.002 .0094 0.005 - 0.002 .0099 0.003 - 0.002 .0099 0.003 - 0.002 .0099 0.0001 - 0.0002 .0009			1 118		13 UNCH 3 UNCH 7 UNCH 25 - 85 100 UNCH 12 + 7 5 UNCH 11 UNCH 9 UNCH 0 UNCH 3 + 12 30 + 12 30 + 12 30 + 12 3 UNCH 14 + 11 2 + 2 30 UNCH 18 + 1 1 + 1 1 + 1 2 UNCH 18 + 1 1 + 1 2 UNCH 13 + 5 9 UNCH 42 UNCH 42 UNCH 41 UNCH 42 UNCH 42 UNCH 41 UNCH 42 UNCH 42 UNCH 43 UNCH 44 UNCH 45 UNCH 46 UNCH 46 UNCH 47 UNCH 48 UNCH 49 UNCH 49 UNCH 40 UNCH 41 UNCH 41 UNCH 41 UNCH 42 UNCH 42 UNCH 43 UNCH 44 UNCH 45 UNCH 46 UNCH 47 UNCH 48 UNCH 49 UNCH 40 UNCH 40 UNCH 41 UNCH 41 UNCH 42 UNCH 42 UNCH 43 UNCH 44 UNCH 45 UNCH 46 UNCH 47 UNCH 48 UNCH 49 UNCH 40 UNCH 40 UNCH 41 UNCH 41 UNCH 42 UNCH 42 UNCH 43 UNCH 44 UNCH 45 UNCH 46 UNCH 47 UNCH 48 UNCH 49 UNCH
TOTAL SO4 PUT	SILVER OPTIONS							333	O	000 - 272
NOV23 2025 2050 2100 2150 2200 2210	SILVER OPTIONS		/0.005A/0.005A 0.001B/*0.005A 0.001B/*0.005A 0.003B/*0.006A 0.004B/*0.006A 0.004B/*0.006A 0.006B/*0.006A 0.006B/*0.006A 0.006B/*0.007A 0.013B/*0.007A 0.013B/*0.007A 0.013B/*0.007A 0.013B/*0.008A 0.020B/*0.008A 0.020B/*0.008A 0.023B/*0.008A 0.023B/*0.008A 0.023B/*0.009A 0.032B/*0.009A 0.032B/*0.009A 0.032B/*0.010A 0.032B/*0.015A 0.032B/*0.015A 0.058B/*0.013A 0.068B/*0.013A 0.068B/*0.013A 0.068B/*0.013A 0.068B/*0.013A 0.068B/*0.013A 0.058B/*0.015A 0.058B/*0.015A 0.058B/*0.015A 0.058B/*0.015A 0.058B/*0.115B 0.026A 0.149B/*0.035A 0.190B/*0.041A 0.115B/*0.026A 0.149B/*0.035A 0.294B/*0.035A 0.294B/*0.035A 0.294B/*0.035A 0.294B/*0.131B/*0.025A 0.255B/*0.063A 0.294B/*0.124A 0.358B/*0.1159A 0.355B/*0.180A 0.375B/*0.225A 0.660B/*0.225A 0.660B/*0.225A 0.660B/*0.225A 0.660B/*0.225A 0.660B/*0.225A 0.670B/*0.344A 0.970B/*0.484A 1.260B/0.729A 1.355B/*0.822A 1.405B/0.870A		0.001 UNCH .0000 0.001 UNCH .0002 0.003 + 0.002 .0023 0.003 + 0.001 .0029 0.003 - 0.003 .0038 0.003 - 0.003 .0038 0.003 - 0.006 .0043 0.003 - 0.006 .0043 0.003 - 0.007 .0044 0.004 - 0.007 .0063 0.004 - 0.008 .0065 0.004 - 0.010 .0067 0.005 - 0.012 .0090 0.006 - 0.013 .0112 0.006 - 0.013 .0112 0.006 - 0.016 .0116 0.007 - 0.018 .0140 0.008 - 0.024 .0193 0.010 NEW .0222 0.012 - 0.031 .0274 0.014 NEW .0329 0.016 - 0.045 .0469 0.022 - 0.051 .0557 0.025 - 0.059 .0650 0.030 NEW .0789 0.035 - 0.012 .1107 0.047 - 0.091 .1289 0.055 - 0.010 .0557 0.025 - 0.011 .1769 0.075 - 0.012 .1769 0.075 - 0.101 .1516 0.064 - 0.111 .1769 0.075 - 0.121 .2062 0.087 - 0.132 .2379 0.102 - 0.141 .2740 0.118 - 0.151 .3117 0.157 - 0.170 .3938 0.107 - 0.179 .4365 0.203 - 0.188 .4797 0.258 - 0.203 .5650 0.288 - 0.217 .6462 0.353 - 0.273 .3935 0.101 - 0.161 .3517 0.157 - 0.170 .3938 0.179 - 0.179 .4365 0.203 - 0.188 .4797 0.230 - 0.195 .5227 0.258 - 0.203 .5650 0.288 - 0.210 .6661 0.319 - 0.217 .6462 0.353 - 0.223 .6834 0.388 - 0.223 .6834 0.388 - 0.223 .6834 0.388 - 0.223 .6834 0.388 - 0.223 .6834 0.388 - 0.223 .6834 0.388 - 0.223 .6834 0.388 - 0.223 .7815 0.463 - 0.238 .7819 0.425 - 0.238 .7819 0.425 - 0.237 .9854					1 UNCH 2 UNCH 10 UNCH 11 UNCH 132 UNCH 4 UNCH 4 UNCH 5 UNCH 6 UNCH 5 UNCH 5 UNCH 6 UNCH 15 UNCH 6 UNCH 15 UNCH 16 UNCH 16 UNCH 17 UNCH 16 UNCH 16 UNCH 17 UNCH 18 UNCH 19 UNCH 10 UNCH 11 UNCH 11 UNCH 11 UNCH 12 UNCH 12 UNCH 13 UNCH 14 UNCH 15 UNCH 16 UNCH 17 UNCH 18 UNCH 19 UNCH 19 UNCH 11 UNCH 11 UNCH 11 UNCH 12 UNCH 13 UNCH 15 UNCH 16 UNCH 17 UNCH 18 UNCH 19 UNCH 19 UNCH 11 UNCH
TOTAL SWW WED NOV23	SILVER WEEKLY W	/EDNESDAY OPTION WE	EEK					295	0	693 + 129
2150 2165 2180			/0.033A /*0.003A 0.003B/*0.008A		0.001 - 0.002 .0018 0.001 UNCH 0.003 - 0.003 .0055					3 UNCH 1 UNCH 3 UNCH
2180 2180 2200 2200 2205 2225 0.001 2225 2240 2250	 2.331 0.001	#2.373B/1.813A 	0.003B/*0.008A /*0.003A /*0.003A 0.007B/*0.010A #2.373B/1.813A /0.013A 0.002B/*0.001 #2.170B/1.617A /0.011A 0.024B/*0.013A	 	0.003 - 0.003 .0055 0.001 - UNCH 0.001 - 0.001 0.004 - 0.005 .0077 2.174 NEW .9904 0.001 - 0.001 0.001 - 0.003 1.977 + 0.255 .9860 0.001 - 0.006 0.013 - 0.011 .0258			1 1 		3 UNCH 11 UNCH 34 UNCH 32 UNCH 1 + 1 2 UNCH 1 UNCH 1 UNCH 4 UNCH 2 UNCH
2255 2255 2260 2265 2265		1.520B/0.965A 1.470B/0.915A /*0.010A 0.035B/*0.016A	0.004B/0.013A 1.520B/0.965A 1.470B/0.915A 0.010B/*0.010A 0.035B/*0.016A		0.001 - 0.009 .0000 1.320 + 0.246 .0000 1.270 + 0.245 .9999 0.001 - 0.011 .0000 0.017 - 0.015 .0344					2 UNCH 2 UNCH 3 UNCH 1 UNCH 9 UNCH
2270 2275 0.001 2275 2280	0.001 	/*0.010A 0.001/*0.001 1.320B/0.775A 1.270B/0.725A	0.012B/*0.010A 0.015B/*0.001 1.320B/0.775A 1.270B/0.725A	 	0.001 - 0.012 .0000 0.001 - 0.014 .0001 1.120 + 0.241 .9998 1.070 + 0.239 .9997			4 		6 UNCH 5 + 3 1 UNCH 2 UNCH
2280	0.037 0.021 0.011 0.030 0.030 0.002 0.055 0.036	0.018B/*0.012A 0.048B/*0.020A 1.220B/0.680A 0.054B/*0.019A #1.533B/1.015A 0.060B/*0.021A 0.060B/*0.021A 0.038B/*0.002 1.435B/0.930A 1.068B/0.549A 0.074B/*0.025A 0.074B/*0.007A #1.393B/0.888A 0.028B/*0.028A #1.344B/0.847A 0.091B/*0.031A 0.054B/*0.003A	0.018B/*0.012A 0.048B/*0.020A 1.220B/0.680A 0.054B/*0.019A #1.533B/1.015A 0.060B/*0.021A 0.060B/*0.023A 0.065B/*0.023A 1.068B/0.930A 1.068B/0.549A 0.074B/*0.025A 0.046B/*0.007A #1.393B/0.888A 0.062B/*0.028A #1.344B/0.847A 0.091B/*0.031A 0.054B/*0.008A 0.054B/*0.008A		0.001 - 0.016 .0002 0.021 - NEW .0437 1.021 + 0.238 .9992 0.023 - NEW .0481 1.346 + 0.235 .9458 0.002 - NEW .0541 0.028 - 0.031 .0587 0.003 - 0.028 .0017 1.251 + 0.227 .9982 0.032 - 0.033 .0665 0.005 - 0.031 .0037 1.205 + 0.225 .9270 0.035 - NEW .0729 1.159 + 0.225 .9270 0.036 - 0.037 .0052 0.037 - 0.040 .0810 0.039 - 0.040 .0810 0.006 - 0.037 .0052 0.775 + 0.218 .9947			1 1 2 1 2 10 1 2 		1 + UNCH 1 + 1 1 + 1 7 UNCH 1 + 1 1 + 1 2 + 1 9 + 2 8 UNCH 4 UNCH 103 - 1 0 - 1 2 UNCH 1 + 1 2 UNCH 2 UNCH 2 UNCH 3 UNCH 2 UNCH 3 UNCH 3 UNCH 4 UNCH 4 UNCH 5 UNCH 6 UNCH 7 UNCH 8 UNCH 9 UNCH 1 UNCH
2315 0.009 2320 0.018 2320 2320 2320 2325 2325	0.009 0.018 	0.065B/*0.008A 0.076B/*0.008 0.870B/0.385A 0.111B/*0.038A #1.246B/0.769A 1.204B/0.728A 0.122B/*0.041A	0.065B/*0.008A 0.076B/*0.008 0.870B/0.385A 0.111B/*0.038A #1.246B/0.769A 1.204B/0.728A 0.122B/*0.041A	 	0.007 - 0.044 .0070 0.008 - 0.053 .0091 0.677 + 0.202 .9908 0.048 - 0.048 .0989 1.068 + 0.214 .9010 1.024 + 0.210 .8898 0.054 - 0.052 .1101			51 27 12 		52 + 51 33 + 17 1 UNCH 4 - 8 6 UNCH 2 UNCH 22 UNCH

METALS OPTIONS PRODUCTS

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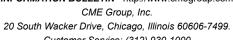


PG64 BULLE	TIN #225@		METALS OPTION PRODUCTS					Tue,	Nov 21,	, 2023 PG64
GLOBEX OPEN	OPEN OUTCRY OPEN RANGE	GLOBEX HIGH/LOW	OPEN OUTCRY HIGH/LOW	OPEN OUTCRY CLOSE RANGE	SETT.PRICE & PT.CHGE. DELTA	EXER CISES	OPEN OUTCRY VOLUME	GLOBEX® VOLUME	PNT VOLUME	OPEN INTEREST
SWW WED	SILVER WEEKLY	WEDNESDAY OPTION WE								
NOV23 2325 0.010 2325	0.010	0.089B/*0.009A 0.822B/0.350A	0.089B/*0.009A 0.822B/0.350A		0.010 - 0.062 .0132 0.629 + 0.193 .9867			3		7 - 1 2 UNCH
2330 2330	====	0.136B/*0.046A 0.104B/*0.010A	0.136B/*0.046A 0.104B/*0.010A		0.060 - 0.056 .1214 0.012 - 0.072 .0182			12 16		4 - 8 24 + 4
2335 0.467 2335 0.061	0.467 0.061	0.726B/0.277A 0.121B/*0.012A	0.726B/0.277A 0.121B/*0.012A		0.534 NEW .9736 0.015 - 0.083 .0263			1 1 <u>1</u>		1 + 1 11 - 3
2340 0.025 2340 2345	0.025 	0.141B/*0.015A 0.678B/0.248A 0.630B/0.222A	0.141B/*0.015A 0.678B/0.248A 0.630B/0.222A		0.019 - 0.095 .0381 0.488 + 0.160 .9618 0.443 + 0.147 .9455			5 		13 + 1 4 UNCH 12 UNCH
2345 2345 0.081	0.081	0.164B/*0.018A 0.180B/*0.062A	0.164B/*0.018A 0.180B/*0.062A		0.024 - 0.108 .0544 0.081 - 0.072 .1603			 1		28 UNCH 1 UNCH
2350 0.218 2350 0.164	0.218 0.164	0.600/0.197A 0.189B/*0.022A	0.600/0.197A 0.189B/*0.022A		0.399 + 0.134 .9238 0.030 - 0.121 .0761			90 17		21 + 5 9 + 1
2355 2355 0.251 2360 0.110	0.251 0.110	0.214B/*0.027A 0.541B/0.174A 0.244B/*0.033A	0.214B/*0.027A 0.541B/0.174A 0.244B/*0.033A		0.039 - 0.134 .1085 0.358 + 0.121 .8914 0.049 - 0.148 .1474			4 19		49 UNCH 64 + 4 10 - 11
2360 0.110 2360 0.199 2360	0.110	0.499B/0.151A 0.234B/*0.084A	0.499B/0.151A 0.234B/*0.084A		0.318 + 0.107 .8525 0.109 - 0.090 .2088			32		10 - 11 6 UNCH 1 UNCH
2365 0.053 2370	0.053	0.275B/*0.040A 0.415B/0.116A	0.275B/*0.040A 0.415B/0.116A		0.061 - 0.162 .1954 0.245 + 0.080 .7461			2		2 + 1 1 UNCH
2370 0.158 2375 0.080	0.158 0.080	0.305B/*0.049A 0.340B/*0.060A	0.305B/*0.049A 0.340B/*0.060A		0.076 - 0.175 .2538 0.094 - 0.187 .3206			29 3		11 + 10 15 + 1
2375 2375 0.100 2380	0.100	0.778B/0.389A 0.373B/0.100 0.736B/0.364A	0.778B/0.389A 0.373B/0.100 0.736B/0.364A		0.618 + 0.152 .7321 0.213 + 0.068 .6793 0.582 + 0.145 .7104			18		150 UNCH 9 - 3 11 UNCH
2380 0.086 2380	0.086	0.376B/*0.073A 0.337B/0.088A	0.376B/*0.073A 0.337B/0.088A		0.114 - 0.199 .3927 0.183 + 0.056 .6072			15 	45 	55 + 43 47 UNCH
2385 0.102 2385	0.102	0.301B/0.076A 0.701B/0.340A	0.301B/0.076A 0.701B/0.340A		0.156 + 0.045 .5313 0.548 + 0.138 .6881			1		15 + 1 1 UNCH
2390 0.135 2390 0.098 2390	0.135 0.098	0.455B/*0.104A 0.266B/0.066A 0.376B/*0.150A	0.455B/*0.104A 0.266B/0.066A 0.376B/*0.150A		0.163 - 0.219 .5452 0.132 + 0.036 .4548 0.195 - 0.130 .3348			140 3		58 + 45 14 + 1 7 UNCH
2390 0.525 2395 0.337	0.525 0.337	0.659B/0.317A 0.405B/*0.166A	0.659B/0.317A 0.405B/*0.166A		0.516 + 0.132 .6651 0.213 NEW .3584			1 2		3 UNCH 1 + 1
2395 0.113 2395 0.197	0.113 0.197	0.495B/*0.112 0.236B/0.057A	0.495B/*0.112 0.236B/0.057A		0.192 - 0.228 .6191 0.111 + 0.027 .3808			4 <u>1</u> 21		52 + 39 29 + 18
2395 2400 0.251	0.251	0.624B/0.295A 0.540B/*0.144A	0.624B/0.295A 0.540B/*0.144A		0.484 + 0.125 .6415 0.223 - 0.236 .6888			15		6 UNCH 11 + 10
2400 0.121 2400 0.329 2400 0.413	0.121 0.329 0.413	0.206B/0.050A 0.589B/0.275A 0.435B/*0.179A	0.206B/0.050A 0.589B/0.275A 0.435B/*0.179A		0.092 + 0.019 .3111 0.453 + 0.117 .6174 0.232 - 0.145 .3825			37 3 9	45 	35 - 42 12 + 1 8 + 7
2405 0.256 2405 0.051	0.256 0.051	0.466B/*0.197A 0.181B/0.043A	0.466B/*0.197A 0.181B/0.043A		0.253 NEW .4072 0.076 + 0.013 .2488			1 19		1 + 1 12 - 4
2410 2415 0.302	0.302	0.156B/0.038A 0.532B/*0.233A	0.156B/0.038A 0.532B/*0.233A		0.062 + 0.008 .1940 0.298 NEW .4575			<u>1</u>		3 UNCH 1 + 1
2415 0.045 2420 0.075 2420	0.045 0.075	0.136B/0.033A 0.116B/0.028A 0.558B/*0.256A	0.136B/0.033A 0.116B/0.028A 0.558B/*0.256A		0.051 + 0.004 .1496 0.042 NEW .1139 0.322 - 0.172 .4828			1 1		4 UNCH 1 + 1 11 UNCH
2420 2425 2425 0.063	0.063	0.433B/0.191A 0.097B/0.024A	0.433B/0.191A 0.097B/0.024A		0.322 - 0.172 .4828 0.320 + 0.085 .4918 0.034 - 0.001 .0845			 4		5 UNCH 9 UNCH
2430 2430 0.329	0.329	0.408B/0.177A 0.625B/*0.298A	0.408B/0.177A 0.625B/*0.298A		0.297 + 0.078 .4667 0.376 NEW .5332			<u>-</u> 1		2 UNCH 1 + 1
2435 0.051 2435	0.051	0.072B/0.017A 0.380B/0.166A	0.072B/0.017A 0.380B/0.166A		0.023 NEW .0464 0.276 + 0.073 .4420			1		1 + 1 2 UNCH
2440 2440 2445 0.030	 0.030	0.910B/*0.395A 0.356B/0.155A 0.052B/*0.013A	0.910B/*0.395A 0.356B/0.155A 0.052B/*0.013A		0.550 - 0.260 .9657 0.256 NEW .4177 0.016 - 0.005 .0256			8 1		1 UNCH 8 + 8 11 UNCH
2445 2450 0.224	0.224	0.332B/0.142A 0.313B/0.133A	0.332B/0.142A 0.313B/0.133A		0.238 NEW .3942 0.220 + 0.057 .3710			8 6		8 + 8 4 + 3
2450 0.025 2455	0.025	0.044B/*0.010A 0.289B/0.124A	0.044B/*0.010A 0.289B/0.124A		0.014 - 0.004 .0200 0.204 + 0.053 .3488			11 		8 + 7 8 UNCH
2460 2465 0.006 2470	0.006	0.271B/0.115A #0.026B/*0.006 #0.022B/*0.008A	0.271B/0.115A 0.026B/*0.006 0.022B/*0.008A		0.189 + 0.049 .3275 0.009 NEW .0090 0.007 - 0.003 .0060			1		3 UNCH 1 + 1 6 UNCH
2475 2475		0.019B/*0.008A 1.250B/0.702A	0.019B/*0.008A 1.250B/0.702A		0.006 - 0.003 .0045 0.887 - 0.258 .9954					6 UNCH 1 UNCH
2485 2490 0.010	0.010	#0.014B/ #0.012B/*0.007A	0.014B/*0.008A 0.012B/*0.007A		0.004 NEW .0022 0.003 NEW .0014			1 1		$ \begin{array}{ccccccccccccccccccccccccccccccccc$
2495 0.011 2500 2500	0.011	#0.011/*0.007A 1.500B/0.942A 0.009B/	0.011/*0.007A 1.500B/0.942A 0.009B/*0.007A		0.002 NEW .0007 1.133 - 0.257 .9993 0.002 - 0.002 .0006			1 		1 + 1 1 UNCH 20 UNCH
2500 2525		0.150B/0.065A	0.150B/0.065A 0.002B/0.008A		0.100 + 0.023 .1875 0.001 - 0.001 .0001			<u>1</u>		2 UNCH 14 + 1
2550 2625		0.068B/0.033A	0.068B/0.033A /*0.005A		0.045 + 0.006 .0871 0.001 UNCH					0 UNCH 2 UNCH
2625 0.023 2650 0.020	0.023 0.020	0.025B/0.021 0.020/0.020	0.025B/0.018A 0.020/0.017A		0.019 NEW .0336 0.016 + 0.002 .0269			3 1 740	 90	3 + 3 1 UNCH 1380 + 231
TOTAL DEC23								740	50	
2220 0.028 2240 0.030	0.028 0.030	0.041B/*0.024A 0.057B/*0.030	0.041B/*0.024A 0.057B/*0.030		0.026 NEW .0427 0.035 NEW .0570			1 1		1 + 1
2245 2245 0.033 2250 0.039	0.033 0.039	0.062B/*0.032A 0.068B/*0.034A	0.062B/*0.032A 0.068B/*0.034A		1.805 + 0.241 .9394 0.037 - 0.020 .0605 0.040 NEW .0651			2 2		9 UNCH 5 + 2 2 + 2
2270 0.051 2280 0.056	0.051 0.056	0.094B/*0.046A 0.110B/*0.053A	0.094B/*0.046A 0.110B/*0.053A		0.055 NEW .0876 0.064 NEW .1008			1 2		1 + 1 2 + 2
2300 2315		0.150B/*0.072A 0.189B/*0.089A	0.150B/*0.072A 0.189B/*0.089A		0.087 - 0.046 .1330 0.109 - 0.057 .1622					3 UNCH 1 UNCH
2320 2335		0.203B/*0.096A 0.250B/*0.120A 0.306B/*0.148A	0.203B/*0.096A 0.250B/*0.120A 0.306B/*0.148A		0.118 - 0.061 .1734 0.147 - 0.074 .2090 0.183 - 0.088 .2497					1 UNCH 7 UNCH 10 UNCH
2350 2365 0.227 2380 0.265	0.227 0.265	0.370B/*0.183A 0.442B/*0.225A	0.370B/*0.183A 0.442B/*0.225A		0.183 - 0.088 .2497 0.225 NEW .2944 0.275 - 0.119 .3429			2 1		10 UNCH 2 + 2 1 UNCH
2390 0.302 2400 0.517	0.302 0.517	0.496B/*0.256A 0.697B/0.393A	0.496B/*0.256A 0.697B/0.393A		0.313 NEW .3770 0.575 NEW .5880			1 4		1 + 1 0 UNCH
2405 2420 0.455	0.455	0.687B/0.427A 0.584B/0.317A	0.687B/0.427A 0.584B/0.317A		0.493 - 0.135 .4401 0.470 + 0.102 .5166			2		7 UNCH 3 + 2 3 UNCH
2450 2450 2455		0.432B/0.228A 0.968B/0.647A /0.674A	0.432B/0.228A 0.968B/0.647A 0.915B/0.674A		0.342 + 0.076 .4121 0.735 - 0.169 .5653 0.766 - 0.172 .5787					3 UNCH 2 UNCH 1 UNCH
2455 2470		0.413B/0.216A 0.351B/0.183A	0.413B/0.216A 0.351B/0.183A		0.324 + 0.072 .3955 0.275 + 0.062 .3481					4 UNCH 1 UNCH
2480 2490		0.315B/0.165A 0.281B/0.148A	0.315B/0.165A 0.281B/0.148A 0.193B/0.101A		0.245 + 0.054 .3180 0.219 + 0.049 .2900 0.146 + 0.031 .2057					3 UNCH 1 UNCH 1 UNCH
2525 2650 0.044 2675 0.039	0.044 0.039	0.193B/0.101A 0.050B/0.031A 0.040B/0.026A	0.193B/0.101A 0.050B/0.031A 0.040B/0.026A		0.146 + 0.031 .2057 0.041 + 0.007 .0606 0.033 NEW .0484			1 2		1 UNCH 1 UNCH 2 + 2
2700 0.030 2725 0.027	0.030 0.027	0.032B/0.022A 0.027/0.026	0.032B/0.022A 0.027/0.020A		0.027 NEW .0392 0.022 NEW .0316			2 2		$\begin{array}{ccc} 1 & + & 1 \\ 2 & + & 2 \end{array}$
TOTAL								26	0	79 + 19
			C	OPPER OPTIONS ON	FUTURES					
GLOBEX	OPEN OUTCRY	GLOBEX	OPEN OUTCRY	OPEN OUTCRY	SETT.PRICE		OPEN			

	GLOBEX OPEN	OPEN OUTCRY OPEN RANGE	GLOBEX HIGH/LOW	OPEN OUTCRY HIGH/LOW	OPEN OUTCRY CLOSE RANGE		.PRICE .CHGE.	DELTA	EXER CISES	OPEN OUTCRY VOLUME	GLOBEX® VOLUME	PNT VOLUME	INTE	OPEN REST
HMW M		COPPER WEEKLY	MONDAY OPTION WEEK3											
365						0.1640	UNCH						0	UNCH
370						0.1140	UNCH						0	UNCH
375						0.0640	UNCH						0	UNCH
380						0.0140	UNCH						0	UNCH
TOTAL	L												0	
DEC23	3													
340				0.0010B/*0.0025		0.0010	- 0.0010	.0116					3	UNCH
355			/*0.0040A	0.0040B/*0.0040		0.0035	- 0.0020	.0421					0	UNCH
370			/*0.0060A	0.0080B/*0.0060		0.0055	NEW	.0892			24		24 +	24
370			#0.1640B/0.1350	#0.1640B/0.1350		0.1545	+ 0.0055	.9104					1	UNCH
375			0.0165B/*0.0115	0.0165B/*0.0115		0.0110	- 0.0050	.1711					1	UNCH
385			#0.0720B/0.0575	#0.0720B/0.0575		0.0640	- 0.0035	.5053					20	UNCH
390			#0.0410B/0.0305	#0.0410B/0.0305		0.0340	- 0.0040	.3608					4	UNCH
115	0 0035	0.0035	0 0035/0 0035	#0 0040B/0 0035		0 0035	NEW	0451			20		20 ⊥	20

METALS OPTIONS PRODUCTS

2023 DAILY INFORMATION BULLETIN - http://www.cmegroup.com/dailybulletin

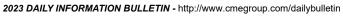


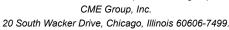


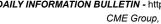
PG64	4 BULLET	IN #225@		ME	TALS OPTION					Tue,	Nov 21	, 2023	PG64
	GLOBEX OPEN	OPEN OUTCRY OPEN RANGE	GLOBEX HIGH/LOW	OPEN OUTCRY HIGH/LOW	OPEN OUTCRY CLOSE RANGE	SETT.PRICE & PT.CHGE.	DELTA	EXER CISES	OPEN OUTCRY VOLUME	GLOBEX® VOLUME		(INTER	OPEN REST
HMW N		COPPER WEEKLY M	ONDAY OPTION WEEK2							44		73+	44
HWW W	wED 3		EDNESDAY OPTION WEEK			0.0005				1		21 .	1
350 365 370	0.0005 0.0035	0.0005 0.0035	0.0005/*0.0005 0.0035/*0.0035 #0.1240B/0.0965	/0.0010A 0.0005/*0.0005 0.0040B/*0.0035 #0.1240B/0.0965		0.0005 UNCH 0.0005 UNCH 0.0030 NEW 0.1125 - 0.0030	.0000			1 2 1		21 + 2 1 +	UNCH
370 370 370	0.0015	0.0015	#0.1240B/0.0963 #0.1615B/0.1315 0.0015/*0.0015 /0.0600A	#0.1240B/0.0963 #0.1615B/0.1315 0.0015/*0.0015 0.0635B/0.0600A		0.1125 - 0.0030 0.1520 + 0.0065 0.0005 NEW 0.0645 - 0.0040	.9442			 6		40 6 +	UNCH UNCH 6
375 375 380	0.0050	0.0050 0.0215	0.0055/*0.0025A #0.0400B/0.0175 0.0225B/*0.0095	0.0055/*0.0025A #0.0400B/0.0175 0.0225B/*0.0095		0.0040 - 0.0040 0.0020 - 0.0095 0.0095 - 0.0080	.0295			201 100		6 200 + 33 -	UNCH 200 72
380 385 410	0.0080	0.00213	0.0140B/0.0035A	0.0225B/*0.0095 0.0140B/0.0035A /0.0010A		0.0040 - 0.0080 0.0005 UNCH	.0984			2 1 316		3 + 2 1 + 322+	UNCH 1 139
DEC23	3			/0.0015A		0.0005 UNCH	.0000					27	UNCH
330 335 340				/0.0015A /*0.0015A /0.0020A		0.0005 UNCH 0.0005 UNCH 0.0005 UNCH	.0002					30 25 26	UNCH UNCH UNCH
345 350 350				/0.0020A 0.0005B/0.0025A		0.0005 - 0.0005 0.0010 - 0.0005 0.3495 + 0.0075	.0067 .0134					29 27 1	UNCH UNCH UNCH
355 355 360				0.0010B/*0.0025 0.0020B/*0.0035		0.0020 UNCH 0.3005 + 0.0075 0.0025 - 0.0010	.0263 .9734					37 1 20	UNCH UNCH UNCH
360 365 365			0.2600B/0.2295A /*0.0045A 	0.2600B/0.2295A 0.0050B/*0.0045		0.2510 + 0.0070 0.0040 - 0.0015 0.2025 + 0.0060	.9637 .0597					2 45 20	UNCH UNCH UNCH
370 370 375			/*0.0075A 0.1650B/0.1375A 0.0200B/*0.0145	0.0100B/*0.0075 0.1650B/0.1375A 0.0200B/*0.0145		0.0070 - 0.0035 0.1555 + 0.0045 0.0135 - 0.0060	.1049 .8947					10 511 10	UNCH UNCH UNCH
375 380 380			0.1135B/0.0975A 0.0380B/*0.0280 0.0840B/0.0645A	0.1135B/0.0975A 0.0380B/*0.0280 0.0840B/0.0645A		0.1125 + 0.0025 0.0270 - 0.0085 0.0755 - 0.0010	.8088 .3299					26 181 46	UNCH UNCH UNCH
385 385 390			0.0635B/*0.0490 0.0550B/0.0410A 0.0970B/*0.0790	0.0635B/*0.0490 0.0550B/0.0410A 0.0970B/*0.0790		0.0485 - 0.0110 0.0475 - 0.0030 0.0790 - 0.0120	.4972 .5024					10 84 10	UNCH UNCH UNCH
390 395 395	0.0300	0.0300 	0.0345B/0.0250A 0.0200B/0.0145A #0.0290B/0.0225	0.0345B/0.0250A 0.0200B/0.0145A #0.0290B/0.0225		0.0280 - 0.0040 0.0155 - 0.0040 0.0240 - 0.0035	.2108			1 		23 45 10	UNCH UNCH UNCH
400 405 410			/0.0085A /0.0055A /0.0040A	0.0110B/0.0085A 0.0065B/0.0055A 0.0040B/0.0040A		0.0085 - 0.0030 0.0050 - 0.0020 0.0035 - 0.0010	.1237 .0739					31 42 2	UNCH UNCH UNCH
425 440 445			' 	0.0010B/0.0030A 0.0005B/0.0025A 0.0005B/0.0025A		0.0020 UNCH 0.0005 UNCH 0.0005 UNCH	.0233					27 25 11	UNCH UNCH UNCH
450 455 460			 	0.0005B/0.0020A /0.0020A /0.0020A		0.0005 UNCH 0.0005 UNCH 0.0005 UNCH	.0008					4 21 2	UNCH UNCH UNCH
465 TOTAI	 L			/0.0020A		0.0005 UNCH	.0001			1		27 1448	UNCH
JAN24 300 305				/*0.0015A /0.0020A		0.0005 - 0.0005 0.0010 UNCH	.0072					5 4	UNCH
320 325 330				0.0005B/*0.0025 0.0010B/*0.0025 0.0010B/*0.0030		0.0015 - 0.0005 0.0020 - 0.0005 0.0020 - 0.0005	.0162 .0174					15 2 10	UNCH UNCH UNCH
340 345 350			/*0.0030A /*0.0040A /*0.0050A	0.0025B/*0.0030 0.0040B/*0.0040 0.0060B/*0.0050		0.0030 - 0.0010 0.0035 - 0.0015 0.0050 - 0.0020	.0345 .0491					54 14 10	UNCH UNCH UNCH
360 365 370			/*0.0110A /*0.0255A	0.0135B/*0.0110 0.0315B/*0.0255		0.0105 - 0.0040 0.2140 + 0.0025 0.0250 - 0.0065	.8523 .2122					205 165 194	UNCH UNCH
370 375 380	0.0620	0.0620	0.1820B/0.1580A 0.0475B/*0.0390 0.0680B/*0.0570	0.1820B/0.1580A 0.0475B/*0.0390 0.0680B/*0.0570		0.1735 + 0.0015 0.0380 - 0.0085 0.0565 NEW	.2944 .3904			 3		21 1 1 +	UNCH UNCH 1
380 385 390			0.1120B/0.0950A 0.0855B/0.0715A 0.0640B/0.0530A	0.1120B/0.0950A 0.0855B/0.0715A 0.0640B/0.0530A		0.1050 - 0.0020 0.0790 - 0.0030 0.0580 - 0.0040 0.0420 - 0.0040	.5076 .4092					200 10 50	UNCH UNCH
395 400 415			0.0470B/0.0390A /0.0285A /0.0110A /0.0085A	0.0470B/0.0390A 0.0335B/0.0285A 0.0115B/0.0110A 0.0080B/0.0085A		0.0300 - 0.0035 0.0110 - 0.0015 0.0080 - 0.0015	.2448 .1017					10 3 3 10	UNCH UNCH UNCH UNCH
420 425 430 455			/0.0065A /0.0050A	0.0060B/0.0065A 0.0040B/0.0050A 0.0010B/0.0030A		0.0080 - 0.0013 0.0060 - 0.0010 0.0045 - 0.0010 0.0020 UNCH	.0572 .0433					42 59 2	UNCH UNCH UNCH
TOTAI	L			0.0010B/ 0.0030A		0.0020 ONCH	.017			3		1090+	1
315 320 325				0.0040B/*0.0060 0.0050B/*0.0065 0.0060B/*0.0075		0.0050 - 0.0005 0.0060 - 0.0005 0.0065 - 0.0010	.0348			 1		2 1 5	UNCH UNCH UNCH
340 345 350			/*0.0120A /*0.0150A /*0.0195A	0.0120B/*0.0120 0.0155B/*0.0150 0.0205B/*0.0195		0.0115 - 0.0020 0.0145 - 0.0025 0.0185 - 0.0035						4 10 8	UNCH UNCH UNCH
360 370 370			/*0.0330A /*0.0570A #0.2110B/0.1905	0.0365B/*0.0330 0.0640B/*0.0570 #0.2110B/0.1905		0.0330 - 0.0045 0.0570 - 0.0070 0.2050 + 0.0015	.1873 .2902 .7080					1 10 10	UNCH UNCH UNCH
375 400 410			#0.1780B/0.1595 /0.0595A /0.0390A	#0.1780B/0.1595 0.0660B/0.0595A 0.0420B/0.0390A		0.1725 + 0.0005 0.0635 - 0.0025 0.0415 - 0.0020	.6462 .3270 .2315					1 8 2	UNCH UNCH UNCH
415 420 425			/0.0310A /0.0250A /0.0205A	0.0335B/0.0310A 0.0265B/0.0250A 0.0210B/0.0205A		0.0330 - 0.0020 0.0265 - 0.0015 0.0215 - 0.0005	.1587 .1318					4 16 2	UNCH UNCH UNCH
430 435 440			/0.0165A /0.0135A 	0.0165B/0.0165A 0.0135B/0.0135A 0.0105B/0.0115A		0.0170 - 0.0010 0.0140 - 0.0005 0.0115 UNCH	.0896					1 1 1	UNCH UNCH UNCH
TOTAI	4		/0.0625A	#0.0680B/0.0625		0.0680 UNCH	.2959			1 100		87 100 +	100
410 480 TOTAI	0.0060	0.0060	#0.0070/*0.0060	#0.0070/0.0060		0.0070 NEW				100 2 102		100 + 0 100 +	UNCH 100
HX CA DEC23 200	3	COMEX COPPER OP	PTIONS			1.8125 - 0.0015	.0000					1	UNCH
290 300 315						0.9125 - 0.0015 0.8125 - 0.0015 0.6625 - 0.0015	.0000					1 6 5	UNCH UNCH UNCH
335 337 340						0.4630 - 0.0015 0.4430 - 0.0015 0.4130 - 0.0015	.0000					0 10 5	UNCH UNCH UNCH
342 343 344	0.3900	0.3900 	#0.3900/0.3900 	#0.3900/0.3900 		0.3930 - 0.0015 0.3830 - 0.0015 0.3730 - 0.0015	.9999 .9999			2 		2 1 1	UNCH UNCH UNCH
345 346 347						0.3630 - 0.0015 0.3530 - 0.0015 0.3430 - 0.0015	.9998 .9997					258 1 1	UNCH UNCH UNCH
350 351 352	0.3105	0.3105 	0.3105/0.3105 	0.3105/0.3105 		0.3130 - 0.0015 0.3030 - 0.0015 0.2930 - 0.0015	.9987 .9982			5 		153 2 14	UNCH UNCH UNCH
353 354 355						0.2830 - 0.0015 0.2730 - 0.0015 0.2630 - 0.0015	.9967 .9956					35 12 520	UNCH UNCH UNCH
356 357 358						0.2530 - 0.0015 0.2430 - 0.0015 0.2335 - 0.0010	.9924 .9855					22 31 84	UNCH UNCH UNCH
359 360 361			0.2215B/0.1985A	0.2215B/0.1985A		0.2235 - 0.0010 0.2135 - 0.0010 0.2035 - 0.0015	.9844 .9837 .9830					38 368 48	UNCH UNCH UNCH
362 363 364						0.1935 - 0.0015 0.1840 - 0.0015 0.1740 - 0.0015	.9752 .9740					216 131 23	UNCH UNCH UNCH
						P AND TS ELIPHTSHED WT							

METALS OPTIONS PRODUCTS

Side 45





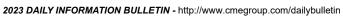




Customer Service: (312) 930-1000 PRELIMINARY PG64 BULLETIN #225@ Tue, Nov 21, METALS OPTION PRODUCTS 2023 PG64 OPEN OUTCRY OPEN RANGE OPEN OUTCRY VOLUME GLOBEX OPEN GLOBEX HIGH/LOW OPEN OUTCRY HIGH/LOW OPEN OUTCRY CLOSE RANGE SETT.PRICE & PT.CHGE. DELTA EXER CISES GLOBEX® OPEN INTEREST PNT VOLUME 0.1660 0.1660 0.0020 0.0010 0.0025 0.0025 0.0025 0.0035 0.0035 0.0055 0.0055 0.0065 0.0080 0. 0.1720B/0.1490A 0.1720B/0.1490A 0.1645
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0.00050 .9640 .9621 .9600 .9498 .9467 .9351 .9305 .9305 .8838 .8838 .88767 .7617 .7110 .6499 .8858 .3336 .2835 .3336 .0525 .0529 .0653 .0529 .0653 .0529 .0653 12 15 ----14 ----0.1530 0.1530 0.1530/0.1400 0.1530/0.1400 0.1335B/0.0995A
0.0605B/0.1220A
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0.0693B/0.01380A
0.0675B/0.0180A
0.0758B/0.0580A
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0.0325B/0.0195A
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0.0325B/0.0195A
0.0225B/0.0195A
0.0215B/0.0095A
0.0175B/0.0080A
0.0155B/0.0095A
0.0075B/0.0045
0.0090B/0.0045A
0.0075B/0.005A
0.0075B/0.005A
0.0040B/0.0035A
0.0040B/0.0035A
0.0040B/0.0035A
0.0040B/0.0035A
0.0040B/0.0035A
0.0040B/0.0035A
0.0040B/0.0035A
0.0040B/0.0035A
0.0040B/0.0035A
0.0025B/0.0035A
0.0040B/0.0035A
0.0025B/0.0035A
0.0010A
0.0020B/0.0025A
0.0025B/0.0035A
0.0010A
0.0010A 0.1200 0.1335B/0.0995A 0.1200 0.0650 0.0650 0.0445 0.0310 0.0230 0.0245 172 0.0445 0.0310 0.0230 0.0245 1 202 100 14 139 28 15 20 0.0215 0.0165 0.0150 0.0055 0.0055 0.0040 0.0045 0.0045 0.0040 0.0215 0.0165 0.0150 0.0105 0.0055 0.0100 0.0055 0.0040 0.0045 0.0055 426 17 4 37 4 2 UNCH 12 UNCH UNCH 4 UNCH 10 UNCH UNCH UNCH UNCH 123 2 0.0040 15 0.0040 0.0025 0.0025 0.0025/*0.0020 ----/0.0020A 0.0040/0.0025A 34 ----1 70 361 3 219 112 9 2 27 ----1 0.0025 0.0025 0.0040 0.0025/0.0025 0.0025/0.0015 0.0025 0.0025 0.0025 0.0025 0.0015 0.0010 0.0010 0.0015 0.0010 0.0010 0.0015/0.0015 0.0010/0.0010 0.0010/0.0010 ----326 202 20 200 77 220 10 161 70 20 20 10 22 11 211 284 31046+ 2772 TOTAL JAN24 0.8490 0.7490 0.6490 0.5495 0.3515 0.3355 0.2560 0.2470 0.2285 0.21100 0.1950 0.1605 0.1605 0.1605 0.1380 0.1240 0.1170 0.1240 0.1170 0.0920 0.0865 0.0540 0.0760 0.0665 0.0540 0.0470 0.0405 0.0470 0.0405 0.0405 0.0285 0.0285 0.0285 0.0285 0.03285 0.0080 0.0080 0.0080 0.0080 0.0075 0.0065 0.0065 0.0045 0.0040 0.0045 0.0010 0. .9932 .9924 .9913 .9861 .9913 .9619 .9524 .9415 .9061 .9002 .8721 .9061 .8910 .8721 .7753 .7729 .7753 .7720 .7724 .6816 .6329 .7753 .7720 0.3610B/0.3300A 0.3610B/0.3300A 22 6 1033 155 400 1288 1288 100 131 104 2066 98 355 211 311 521 111 4 800 133 238 238 0.2660B/0.2360A 0.2660B/0.2360A 0.1955B/0.2505A
0.1910B/0.2475A
0.2100B/0.1955A
0.1870B/0.2025A
0.1810B/0.1955A
0.1870B/0.1205A
0.1870B/0.1205A
0.1785B/0.1750A
0.1760B/0.1670A
0.1780B/0.1525A
0.1625B/0.1450A
0.15550B/0.1350A
0.1490B/0.1310A
0.1490B/0.1310A
0.1490B/0.1310A
0.1320B/0.1105A
0.1320B/0.1105A
0.1255B/0.0985A
0.1125B/0.0985A
0.1125B/0.0985A
0.1125B/0.0985A
0.1125B/0.0985A
0.1125B/0.0985A
0.1125B/0.0955A
0.0125B/0.0955A
0.0100B/0.0870A
0.0006B/0.0870A
0.0006B/0.0870A
0.0006B/0.0870A
0.0006B/0.0870A
0.0040B/0.0355A
0.0575B/0.0455A
0.0575B/0.0455A
0.0575B/0.0455A
0.0505B/0.0400A
0.0440B/0.0355A
0.0440B/0.0355A
0.0440B/0.0355A
0.0440B/0.0355A
0.0440B/0.0355A
0.0410B/0.0355A
0.0410B/0.0355A
0.0410B/0.0355A
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0.0130B/0.0155A
0.0130B/0.0155A
0.0130B/0.0155A
0.0130B/0.0155A
0.0130B/0.0055A
0.0050B/0.0055A
0.0050B/0.0055A
0.0050B/0.0055A
0.0050B/0.0055A
0.0050B/0.0055A 0.2100B/0.1955A ----/0.1825A
----/0.1750A
0.1760B/0.1670A
0.1760B/0.1570A
0.1760B/0.1555A
0.1625B/0.1450A
0.1550B/0.1380A
0.14490B/0.1310A
0.1465B/0.1240A
0.1390B/0.11105A
0.1320B/0.11105A
0.1255B/0.1040A
0.1125B/0.0925A
0.1060B/0.0870A
0.1000B/0.0820A
0.945B/0.0720A
0.0840B/0.0680A
0.0745B/0.0555A
0.0655B/0.0485A
0.0756B/0.0485A
0.0755B/0.0485A
0.0550B/0.0485A
0.0550B/0.0485A
0.0550B/0.0485A
0.0550B/0.0485A
0.0540B/0.0320A
0.0470B/0.0320A
0.0470B/0.0330A
0.0470B/0.0330A
0.0470B/0.0330A
0.0470B/0.0330A
0.0470B/0.0330A 0.1135 0.1135 2 6 10 10 1087 75 80 6 6 504 500 $0.0725 \\ 0.0615$ 421 ----1 ----5 18 276 208 297 4 10 501 314 1125 125 171 0.0285 0.0230 ----10 490 0.0285 0.0230 500 1 34 43

METALS OPTIONS PRODUCTS

Side 46







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

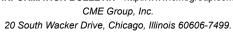
Customer Service: (312) 930-1000

PRELIMINARY

PG64 BULLETIN #225@				ME	TALS OPTION PR	ODUCTS				Tue,	Nov 21	2023	PG64
	GLOBEX OPEN	OPEN OUTCRY OPEN RANGE	GLOBEX HIGH/LOW	OPEN OUTCRY HIGH/LOW	OPEN OUTCRY CLOSE RANGE	SETT.PRICE & PT.CHGE.	DELTA	EXER CISES	OPEN OUTCRY VOLUME	GLOBEX [©] VOLUME			OPEN EREST
JAN24	1	COMEX COPPER OPTI		0.0030B/0.0030A		0.0035 0.0010	.0258					122	UNCU
435 440 445			/*0.0030A 	0.0030B/0.0030A 0.0025B/0.0030A 0.0015B/0.0030A		0.0025 - 0.0010 0.0020 - 0.0010 0.0015 - 0.0010	.0204			1 1		133 54 51	UNCH UNCH UNCH
450 455				0.0015B/0.0025A 0.0010B/0.0025A		0.0015 - 0.0005 0.0010 - 0.0005	.0144					109 16	UNCH UNCH
460 465 470				0.0010B/0.0020A 0.0010B/0.0020A 0.0005B/0.0015A		0.0010 - 0.0005 0.0010 - 0.0005 0.0010 UNCH	.0094 .0090 .0086					9 91 8	UNCH UNCH UNCH
475 480				0.0005B/0.0020A 0.0005B/0.0020A		0.0010 UNCH 0.0005 - 0.0005	.0082					37 1	UNCH UNCH
485 490				0.0005B/0.0015A 0.0005B/0.0015A /0.0015A		0.0005 - 0.0005 0.0005 - 0.0005 0.0005 UNCH	.0030 .0021 .0014					234 569 551	UNCH UNCH UNCH
495 500 510				/0.0013A /0.0015A /0.0015A		0.0005 UNCH 0.0005 UNCH	.0009					40 22	UNCH
520 525				/0.0015A /0.0015A		0.0005 UNCH 0.0005 UNCH	.0001					56 1	UNCH
540 545 550				/0.0015A /0.0010A /0.0010A		0.0005 UNCH 0.0005 UNCH 0.0005 UNCH	.0000 .0000 .0000					1 10 15	UNCH UNCH UNCH
565 600				/0.0010A /0.0010A		0.0005 UNCH 0.0005 UNCH						23 1	UNCH UNCH
650 TOTA	 L			/0.0010A		0.0005 UNCH			1000	1120		1 10015 +	356
FEB24	4 					0.7495 + 0.0080 0.4065 + 0.0055	.9814					19	UNCH
345 355 358				0.2775B/0.3340A 0.2525B/0.3070A		0.4065 + 0.0035 0.3145 + 0.0040 0.2885 + 0.0035	.9306 .8781 .8546					1 5 1	UNCH UNCH UNCH
360 361			0.2795B/0.2530A /0.2515A	0.2795B/0.2530A #0.2570B/0.2515		0.2715 + 0.0030 0.2635 + 0.0030	.8375 .8289					47 1	UNCH UNCH
365 366 367			0.2300B/0.2180A #0.2225B/0.2070 #0.2165B/0.2000	0.2300B/0.2180A #0.2225B/0.2070 #0.2165B/0.2000		0.2315 + 0.0025 0.2235 + 0.0020 0.2160 + 0.0020	.7888 .7769 .7650					112 5 9	UNCH UNCH UNCH
368 369			#0.2105B/0.1930 #0.2080B/0.1860	#0.2105B/0.1930 #0.2080B/0.1860		0.2085 + 0.0015 0.2015 + 0.0015	.7531 .7411					12 10	UNCH UNCH
370 371 372			0.2010B/0.1790A #0.1940B/0.1730 #0.1870B/0.1660	0.2010B/0.1790A #0.1940B/0.1730 #0.1870B/0.1660		0.1940 + 0.0010 0.1870 + 0.0010 0.1805 + 0.0010	.7280 .7149 .7018					183 9 10	UNCH UNCH UNCH
374 375			#0.1735B/0.1535 0.1670B/0.1475A	#0.1735B/0.1535 0.1670B/0.1475A		0.1670 + 0.0005 0.1605 UNCH	.6746 .6606					3 528	UNCH UNCH
378 380	0.1275	0.1275	#0.1485B/0.1300 0.1370B/0.1200A #0.1315B/0.1145	#0.1485B/0.1300 0.1370B/0.1200A #0.1315B/0.1145		0.1425 UNCH 0.1310 - 0.0005 0.1255 - 0.0010	.6172 .5875 .5727			1		11 139 - 10	UNCH 1 UNCH
381 382 383			#0.1260B/0.1095 #0.1205B/0.1050	#0.1260B/0.1095 #0.1205B/0.1050		0.1200 - 0.0015 0.1150 - 0.0015	.5574 .5423					19 2	UNCH
384 385	0.1075	0.1075	#0.1155B/0.1005 0.1105B/0.0960A	#0.1155B/0.1005 0.1105B/0.0960A		0.1100 - 0.0020 0.1050 - 0.0020	.5271			1 		2 111	UNCH
387 388 389			#0.1015B/0.0880 #0.0970B/0.0840 #0.0930B/0.0805	#0.1015B/0.0880 #0.0970B/0.0840 #0.0930B/0.0805		0.0960 - 0.0025 0.0920 - 0.0020 0.0880 - 0.0020	.4818 .4671 .4525					8 18 2	UNCH UNCH UNCH
390 395	0.0815	0.0815	0.0885B/0.0770A 0.0710B/0.0610A	0.0885B/0.0770A 0.0710B/0.0610A		0.0840 - 0.0025 0.0665 - 0.0025	.4379 .3687					219 + 43	2 UNCH
396 400 405	0.0535 0.0420	0.0535 0.0420	#0.0675B/0.0580 0.0560B/0.0480A 0.0435B/0.0375A	#0.0675B/0.0580 0.0560B/0.0480A 0.0435B/0.0375A		0.0630 - 0.0025 0.0520 - 0.0025 0.0405 - 0.0020	.3549 .3055 .2502			89 48		50 752 + 552 +	UNCH 62 25
410 415	0.0295	0.0295	0.0295/0.0295 /0.0230A	0.0335B/0.0295 0.0260B/0.0230A		0.0315 - 0.0020 0.0245 - 0.0015	.2031 .1639			28		495 - 249	UNCH
420 425 430	0.0205	0.0205	0.0205/0.0180A /0.0145A /0.0115A	0.0205/0.0180A 0.0155B/0.0145A 0.0120B/0.0115A		0.0190 - 0.0015 0.0150 - 0.0010 0.0120 - 0.0005	.1313 .1059 .0860			6 22 1		312 + 552 + 104 +	21 1
435 440	0.0085	0.0085	0.0085/0.0085	0.0095B/0.0085 0.0075B/0.0080A		0.0095 - 0.0005 0.0075 - 0.0005	.0692 .0555			1 		36 40	UNCH
445 450 455				0.0060B/0.0065A 0.0045B/0.0060A 0.0040B/0.0050A		0.0065 UNCH 0.0055 UNCH 0.0045 UNCH	.0476 .0401 .0330					15 32 17	UNCH UNCH UNCH
460 465				0.0030B/0.0045A 0.0025B/0.0040A		0.0040 UNCH 0.0035 UNCH	.0289					1 3	UNCH UNCH
470 475 480				0.0025B/0.0040A 0.0020B/0.0035A 0.0015B/0.0030A		0.0030 UNCH 0.0030 + 0.0005 0.0025 UNCH	.0214 .0206 .0172					366 12 1	UNCH UNCH UNCH
485 510				0.0015B/0.0030A 0.0005B/0.0025A		0.0020 UNCH 0.0010 UNCH	.0140 .0068					2 <u>2</u> 5	UNCH UNCH
520 525 530				0.0005B/0.0020A 0.0005B/0.0020A 0.0005B/0.0020A		0.0005 UNCH 0.0005 UNCH 0.0005 UNCH	.0036 .0028 .0021					827 1	UNCH UNCH UNCH
550 555				/0.0020A /0.0020A		0.0005 UNCH 0.0005 UNCH	.0007					1 49	UNCH UNCH
565 570 575				/0.0015A /0.0015A /0.0015A		0.0005 UNCH 0.0005 UNCH 0.0005 UNCH	.0003 .0002 .0001					1 3 23	UNCH UNCH UNCH
600 650				/0.0015A /0.0015A		0.0005 UNCH 0.0005 UNCH	.0000					6 4	UNCH UNCH
825 TOTA	 L			/0.0010A		0.0005 UNCH				200		1 6074+	UNCH 110
MAR24 290						0.9490 + 0.0075 0.8500 + 0.0075	.9812 .9737					4	UNCH
300 310 320			0.7515B/0.7290A 0.6620B/0.6315A	0.7515B/0.7290A 0.6620B/0.6315A		0.7510 + 0.0075 0.6525 + 0.0070	.9669					23 5 29	UNCH
345 350			0.3805B/0.3535A 0.2975B/0.2740A	0.3805B/0.3535A 0.2975B/0.2740A		0.4165 + 0.0045 0.3730 + 0.0045 0.2910 + 0.0030	.8869 .8589 .7854					1 2	UNCH UNCH UNCH
360 365 370			0.2600B/0.2380A 0.2250B/0.2045A	0.2600B/0.2380A 0.2250B/0.2045A		0.2535 + 0.0020 0.2190 + 0.0010	.7400 .6889					19 1097	UNCH
375 380 385	0.1315	 0.1315	0.1930B/0.1745A 0.1640B/0.1480A 0.1385B/0.1245A	0.1930B/0.1745A 0.1640B/0.1480A 0.1385B/0.1245A		0.1875 + 0.0005 0.1595 UNCH 0.1345 - 0.0010	.6331 .5752 .5161			 12		355 317 184	UNCH UNCH UNCH
390 395			0.1165B/0.1045A 0.0970B/0.0875A	0.1165B/0.1045A 0.0970B/0.0875A		0.1130 - 0.0015 0.0945 - 0.0015	.4580 .4026			2		303 226	UNCH UNCH
400 405 410	0.0800 0.0650	0.0800 0.0650	0.0810B/0.0730A 0.0650/0.0610A /0.0495A	0.0810B/0.0730A 0.0670B/0.0610A 0.0555B/0.0495A		0.0790 - 0.0015 0.0655 - 0.0015 0.0545 - 0.0015	.3513 .3039 .2618			185 35		577 + 330 1072	150 UNCH UNCH
415 420			/0.0410A /0.0340A	0.0460B/0.0410A 0.0380B/0.0340A		0.0450 - 0.0015 0.0375 - 0.0010	.2239 .1916					140 48	UNCH UNCH
425 430 435	0.0205	 0.0205	/0.0285A /0.0240A 0.0205/0.0200A	0.0315B/0.0285A 0.0260B/0.0240A 0.0215B/0.0200A		0.0310 - 0.0010 0.0255 - 0.0005 0.0215 UNCH	.1628 .1376 .1177			 30		905 848 35 -	UNCH UNCH 15
440 445	0.0175	0.0175	0.0175/0.0165A /0.0140A	0.0175/0.0165A 0.0150B/0.0140A		0.0180 UNCH 0.0150 UNCH	.1002			21		76 + 4	1 UNCH
450 455 460	0.0085	 0.0085	/0.0120A 0.0085/0.0085	0.0125B/0.0120A 0.0105B/0.0105A 0.0090B/0.0085		0.0125 UNCH 0.0110 + 0.0005 0.0095 + 0.0005	.0719 .0631 .0547			2 2 8		504 218 115	UNCH UNCH UNCH
465 470				0.0075B/0.0080A 0.0065B/0.0070A		0.0080 UNCH 0.0070 UNCH	.0466					1 20	UNCH UNCH
475 480				0.0055B/0.0065A 0.0045B/0.0060A 0.0040B/0.0055A		0.0060 UNCH 0.0055 UNCH 0.0050 + 0.0005	.0352 .0319 .0288					4 20 137	UNCH UNCH UNCH
485 490 500				0.0035B/0.0050A 0.0025B/0.0045A		0.0040 UNCH 0.0035 UNCH	.0236 .0201					5 798	UNCH UNCH
515 520				0.0020B/0.0035A 0.0015B/0.0035A		0.0025 UNCH 0.0025 UNCH	.0142 .0139					203 22	UNCH UNCH
525 550 575				0.0015B/0.0035A 0.0010B/0.0025A 0.0005B/0.0025A		0.0020 UNCH 0.0015 UNCH 0.0010 UNCH	.0114 .0081 .0053					40 22	UNCH UNCH UNCH
600 650				/0.0020A /0.0020A		0.0010 UNCH 0.0005 UNCH	.0049					2 2	UNCH UNCH
750 1200 TOTA	 			/0.0015A /0.0010A		0.0005 UNCH 0.0005 UNCH	.0000			 297		10 21 8751+	UNCH UNCH 136
APR24 310			0.7830B/0.7540A	0.7830B/0.7540A		0.7765 + 0.0090	.9599					14	UNCH
330 335			0.5905B/0.5635A 	0.5905B/0.5635A		0.5845 + 0.0075 0.5380 + 0.0070	.9228 .9076					3 6	UNCH UNCH
355		CONTAINED IN THIS	PEDORT TS COMPTLE			0.3660 + 0.0050 ND IS FURNISHED WITH	.8087	 SPONSTRT	TITTY FOR		 Y OP CONT	10	UNCH

METALS OPTIONS PRODUCTS

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PG6	4 BULLET	IN #225@	@ METALS OPTION PRODUCTS						Tue,	Nov 21,	2023	PG64	
	GLOBEX OPEN	OPEN OUTCRY OPEN RANGE	GLOBEX HIGH/LOW	OPEN OUTCRY HIGH/LOW	OPEN OUTCRY CLOSE RANGE	SETT.PRICE & PT.CHGE.	DELTA	EXER CISES	OPEN OUTCRY VOLUME	GLOBEX [©] VOLUME	PNT VOLUME	INTE	OPEN REST
HX C APR2 360	4	COMEX COPPER OPTI	O.3315B/0.3100A	0.3315B/0.3100A		0.3270 + 0.0040	.7734					22	UNCH
370 375) ;		0.2605B/0.2415A 0.2285B/0.2115A 0.1730B/0.1590A	0.2605B/0.2415A 0.2285B/0.2115A 0.1730B/0.1590A		0.2565 + 0.0025 0.2255 + 0.0025 0.1710 + 0.0015	.6895 .6427 .5438					10 1 2	UNCH UNCH UNCH
385 400 405			0.1105B/0.1015A 0.0945B/0.0870A	0.1105B/0.1015A 0.0945B/0.0870A		0.1095 UNCH 0.0940 UNCH	.3989 .3554					40 107	UNCH UNCH
410 415 420	·		/0.0745A /0.0635A /0.0545A	0.0810B/0.0745A 0.0690B/0.0635A 0.0590B/0.0545A		0.0805 - 0.0005 0.0690 UNCH 0.0590 - 0.0005	.3150 .2783 .2448					51 1 200	UNCH UNCH UNCH
425 430 435			/0.0465A /0.0400A /0.0345A	0.0500B/0.0465A 0.0430B/0.0400A 0.0365B/0.0345A		0.0505 UNCH 0.0430 - 0.0005 0.0370 UNCH	.2149 .1877 .1645					16 2 10	UNCH UNCH UNCH
440 445 450	0.0230	0.0230	/0.0295A /0.0255A 0.0230/0.0220A	0.0310B/0.0295A 0.0265B/0.0255A 0.0230/0.0220A		0.0320 + 0.0005 0.0275 + 0.0005 0.0235 + 0.0005	.1444 .1262 .1097			 5		2 96 10 +	UNCH UNCH 5
455 460 470)		/0.0190A 	0.0195B/0.0190A 0.0170B/0.0170A 0.0130B/0.0130A		0.0205 + 0.0005 0.0175 + 0.0005 0.0135 + 0.0005	.0966 .0838 .0654			1		207 + 2	UNCH 1 UNCH
480 490 495	0.0065	0.0065	0.0075B/*0.0065	0.0100B/0.0105A 0.0075B/0.0065 0.0070B/0.0075A		0.0105 + 0.0005 0.0085 + 0.0005 0.0075 + 0.0005	.0513 .0414 .0367			1		2 3 + 1	UNCH 1 UNCH
500 520 540)			0.0060B/0.0070A 0.0035B/0.0055A 0.0025B/0.0045A		0.0065 UNCH 0.0045 UNCH 0.0035 UNCH	.0321 .0219 .0165					1 1 1	UNCH UNCH UNCH
545 600 725)			0.0020B/0.0040A 0.0010B/0.0030A /0.0020A		0.0035 UNCH 0.0020 UNCH 0.0010 UNCH	.0162 .0086 .0036					1 1 1	UNCH UNCH UNCH
775 800 TOTA	·			/0.0020A /0.0015A		0.0010 UNCH 0.0010 UNCH	.0034			 7		3 2 830+	UNCH UNCH 7
MAY2 350	4		0.4255B/0.4030A	0.4255B/0.4030A		0.4210 + 0.0045	.8117					10	UNCH
370 375 380) ;		0.2815B/0.2640A 0.2510B/0.2345A 0.2225B/0.2080A	0.2815B/0.2640A 0.2510B/0.2345A 0.2225B/0.2080A		0.2780 + 0.0025 0.2480 + 0.0020 0.2205 + 0.0020	.6711 .6299 .5872					2 4 1	UNCH UNCH UNCH
385 390 405	·		0.1970B/0.1835A 0.1735B/0.1615A 0.1175B/0.1100A	0.1970B/0.1835A 0.1735B/0.1615A 0.1175B/0.1100A		0.1950 + 0.0015 0.1720 + 0.0010 0.1170 UNCH	.5438 .5005 .3791					11 3 2	UNCH UNCH UNCH
410 415			/0.0965A /0.0850A /0.0745A	0.1025B/0.0965A 0.0900B/0.0850A 0.0785B/0.0745A		0.1030 UNCH 0.0900 - 0.0005 0.0790 - 0.0005	.3433 .3092 .2782			3 		3 + 2 83	3 UNCH UNCH
420 425 430	·		/0.0655A /0.0575A	0.0685B/0.0655A 0.0600B/0.0575A		0.0690 - 0.0005 0.0605 - 0.0005	.2493 .2234					10 2	UNCH UNCH
435 440 450	, ,		/0.0505A /0.0440A /0.0340A	0.0525B/0.0505A 0.0455B/0.0440A 0.0350B/0.0340A		0.0530 UNCH 0.0460 - 0.0005 0.0355 UNCH	.1997 .1774 .1413					100 187 7	UNCH UNCH UNCH
455 460 465	0.0265	0.0265	/0.0300A 0.0265/0.0265 /0.0235A	0.0305B/0.0300A 0.0265/0.0265 0.0230B/0.0235A		0.0310 UNCH 0.0270 UNCH 0.0240 UNCH	.1255 .1112 .0997			1		2 13 - 1	UNCH 1 UNCH
470 475 500	·	0.0205 	0.0205/0.0205 	0.0205/0.0205 0.0175B/0.0185A 0.0095B/0.0110A		0.0210 UNCH 0.0185 UNCH 0.0105 UNCH	.0884 .0787 .0460			1 		1 + 1 1	UNCH UNCH
510 525 550	;)			0.0080B/0.0095A 0.0060B/0.0080A 0.0040B/0.0060A		0.0090 + 0.0005 0.0070 UNCH 0.0050 UNCH	.0391 .0303 .0212					1 2 15	UNCH UNCH UNCH
625 775 TOTA				0.0015B/0.0040A 0.0005B/0.0025A		0.0025 UNCH 0.0010 UNCH	.0097 .0034			 5		1 550 1015+	UNCH UNCH 3
JUN2 360	4 0.3640	0.3640	0.3830B/0.3640	0.3830B/0.3640		0.3805 + 0.0045	.7422			1		30	UNCH
370 375 385			0.3160B/0.2995A 0.2860B/0.2695A 0.2315B/0.2175A	0.3160B/0.2995A 0.2860B/0.2695A 0.2315B/0.2175A		0.3145 + 0.0040 0.2845 + 0.0040 0.2305 + 0.0030	.6744 .6380 .5623					12 9 3	UNCH UNCH UNCH
395 400 405	0.1595	0.1595	0.1855B/0.1740A 0.1655B/0.1555A 0.1475B/0.1390A	0.1855B/0.1740A 0.1655B/0.1555A 0.1475B/0.1390A		0.1855 + 0.0030 0.1655 + 0.0020 0.1480 + 0.0020	.4863 .4494 .4142			10		11 16 1	UNCH UNCH UNCH
410 420 425))		0.1310B/0.1240A 0.1045B/0.0990A /0.0885A	0.1310B/0.1240A 0.1045B/0.0990A 0.0930B/0.0885A		0.1320 + 0.0015 0.1045 + 0.0005 0.0930 UNCH	.3804 .3181 .2900					1 1 500	UNCH UNCH UNCH
440 445 450) ;		0.0660B/0.0630A /0.0560A 0.0525B/0.0500A	0.0660B/0.0630A 0.0585B/0.0560A 0.0525B/0.0500A		0.0660 + 0.0005 0.0585 UNCH 0.0525 + 0.0005	.2183 .1974 .1796					20 10 5	UNCH UNCH UNCH
460 480 500))		/0.0400A /0.0260A	0.0415B/0.0400A 0.0255B/0.0260A 0.0165B/0.0175A		0.0415 UNCH 0.0265 UNCH 0.0175 + 0.0005	.1467 .0983 .0670					400 1 2	UNCH UNCH UNCH
510 520	0.0130	0.0130	0.0130/0.0130	0.0130/0.0130 0.0110B/0.0125A		0.0145 NEW 0.0120 UNCH	.0560			1 12		1 + 2 1025+	1 UNCH 1
JUL2 360	4		#0.3985B/0.3800	#0.3985B/0.3800		0.3960 + 0.0045	.7277					10	UNCH
365 370 375		 0.2950	#0.3650B/0.3475 #0.3335B/0.3175 #0.3040B/0.2890	#0.3650B/0.3475 #0.3335B/0.3175 #0.3040B/0.2890		0.3630 + 0.0045 0.3320 + 0.0045 0.3025 NEW	.6968 .6646 .6310			 5		54 16 5 +	UNCH UNCH 5
395 400	·		#0.2050B/0.1940 #0.1850B/0.1750 #0.1665B/0.1580	0.2050B/0.1940A 0.1850B/0.1750A 0.1665B/0.1580A		0.2045 + 0.0025 0.1845 + 0.0020 0.1665 + 0.0020	.4921 .4583 .4257			10		1 20 - 1	UNCH 1 UNCH
405 410 420)		#0.1500B/0.1425 #0.1215B/0.1160	0.1500B/0.1425A 0.1215B/0.1160A		0.1500 + 0.0015 0.1220 + 0.0010	.3943 .3365					1 13	UNCH UNCH
425 440 450)		/0.1045A /0.0770A /0.0625A	0.1095B/0.1045A 0.0800B/0.0770A 0.0650B/0.0625A		0.1100 + 0.0005 0.0805 + 0.0005 0.0650 UNCH	.3100 .2404 .2013			10		1005 28 614 -	UNCH UNCH 10
460 470 475			0.0530B/0.0510A 0.0430B/0.0420A 0.0390B/0.0380A	0.0530B/0.0510A 0.0430B/0.0420A 0.0390B/0.0380A		0.0530 + 0.0005 0.0430 + 0.0005 0.0390 + 0.0005	.1688 .1408 .1291					22 16 8	UNCH UNCH UNCH
480 485 500	·		/0.0345A 0.0320B/	0.0350B/0.0345A 0.0320B/0.0315A 0.0225B/0.0240A		0.0350 UNCH 0.0320 + 0.0005 0.0240 + 0.0005	.1175 .1081 .0832					10 14 26	UNCH UNCH UNCH
505 510 520	0.0155	0.0155	 #0.0155/0.0155	0.0205B/0.0215A 0.0185B/0.0200A 0.0155/0.0155		0.0215 UNCH 0.0200 + 0.0005 0.0170 NEW	.0754 .0702 .0601			 1		2 1 1 +	UNCH UNCH 1
TOTA	L			0.0095B/0.0115A		0.0110 UNCH	.0392			26		610 2478 -	UNCH 5
370 380))		#0.3650B/0.3495 #0.3075B/0.2940	#0.3650B/0.3495 #0.3075B/0.2940		0.3645 + 0.0050 0.3070 + 0.0040	.6695					1 1	UNCH
TOTA	\L			#0.0315B/0.0325		0.0330 + 0.0005	.1036					1 3	UNCH
SEP2 490 500)			 /0.0420A		0.0485 + 0.0015 0.0415 + 0.0015	.1380 .1199					4 12	UNCH UNCH
TOTA DEC2	4					0 3700 - 0 0070	£114	_				16	IIN.C
380 390 600)					0.3790 + 0.0070 0.3300 + 0.0065 0.0230 UNCH	.6114 .5606 .0592					115 25 1000	UNCH UNCH UNCH
700 775 800		0.0065	 #0.0065/*0.0065	 /0.0070A #0.0065/*0.0065		0.0100 UNCH 0.0065 UNCH 0.0060 NEW	.0262 .0167 .0152			 1 1		1150 7 1 +	UNCH UNCH 1
TOTA	5					0.0405	0000					2298+	1
675 TOTA	۸L	COMEY CORRER ORTI				0.0495 + 0.0015	.0882					2	UNCH
HX P DEC2 200	3)	COMEX COPPER OPTI		/0.0005A		0.0005 UNCH						10	UNCH
230 235 240	 			/*0.0005A /*0.0005A /0.0005A		0.0005 UNCH 0.0005 UNCH 0.0005 UNCH						20 20 22	UNCH UNCH UNCH
250 255 260	·			/*0.0005A /0.0005A /*0.0005A		0.0005 UNCH 0.0005 UNCH 0.0005 UNCH						87 50 1	UNCH UNCH UNCH
THE	INFORMATION	CONTAINED IN THIS	REPORT IS COMPILE	FOR THE CONVENIE	ENCE OF THE USER A	ND IS FURNISHED WITH	HOUT RES	SPONSIBI	LITY FOR	ACCURAC	Y OR CONT	ENT. IT	

METALS OPTIONS PRODUCTS

64 Side 48





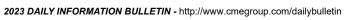


20 South Wacker Drive, Chicago, Illinois 60606-7499.

_					PRELIMINARY							
PG6	4 BULLET				TALS OPTION PRO					Tue,	Nov 21,	, 2023 PG64
	GLOBEX OPEN	OPEN OUTCRY OPEN RANGE	GLOBEX HIGH/LOW	OPEN OUTCRY HIGH/LOW	OPEN OUTCRY CLOSE RANGE	SETT.PRICE & PT.CHGE.	DELTA	EXER CISES	OPEN OUTCRY VOLUME	GLOBEX®	PNT VOLUME	OPEN INTEREST
HX PI		COMEX COPPER OPTI	ONS					CISLS	VOLUME	VOLUME	VOLUME	INTEREST
DEC2:				/*0.0005A		0.0005 UNCH						48 UNCH
270 275				/0.0005A /*0.0005A /*0.0005A		0.0005 UNCH 0.0005 UNCH 0.0005 UNCH						2 UNCH 70 UNCH 105 UNCH
280 285 290				/*0.0005A /*0.0005A		0.0005 UNCH 0.0005 UNCH						20 UNCH 12 UNCH
295 300				/0.0005A /0.0010A		0.0005 UNCH 0.0005 UNCH						103 UNCH 3960 UNCH
305 310				/0.0010A /0.0010A		0.0005 UNCH 0.0005 UNCH				 46		141 UNCH 1726 + 13
315 320				/0.0010A /0.0010A		0.0005 UNCH 0.0005 UNCH						249 UNCH 83 UNCH
325 330				/0.0010A /0.0005A		0.0005 UNCH 0.0005 UNCH						1159 UNCH 589 UNCH
335 336				/0.0010A /0.0010A		0.0005 UNCH 0.0005 UNCH	.0000			1 		156 - 1 21 UNCH
337 338 339				/0.0010A /0.0010A /0.0010A		0.0005 UNCH 0.0005 UNCH 0.0005 UNCH	.0000					35 UNCH 91 UNCH 384 UNCH
340 341				/0.0010A /0.0010A		0.0005 UNCH 0.0005 UNCH	.0000			47		1213 UNCH 98 UNCH
342 343				/0.0010A /0.0010A		0.0005 UNCH 0.0005 UNCH	.0000					132 UNCH 58 UNCH
344 345				/0.0010A /0.0010A		0.0005 UNCH 0.0005 UNCH	.0001					151 UNCH 1007 UNCH
346 347	0.0005	0.0005	0.0005/0.0005	/0.0010A 0.0005/0.0005		0.0005 UNCH 0.0005 UNCH	.0003			5		173 UNCH 106 - 5
348 349 350		 0.0010	 0.0010/0.0010	/0.0010A /0.0010A 0.0010/0.0010		0.0005 UNCH 0.0005 UNCH 0.0005 UNCH	.0006 .0008 .0012			 44		69 UNCH 141 UNCH 2173 - 5
351 352				/0.0010A /0.0010A		0.0005 UNCH 0.0005 UNCH	.0017					175 UNCH 79 UNCH
353 354				/0.0010A /0.0010A		0.0005 UNCH 0.0005 UNCH	.0032					62 UNCH 74 UNCH
355 356		0.0010	0.0010/0.0010	0.0010/0.0010 0.0005B/0.0015A		0.0005 UNCH 0.0005 UNCH	.0057 .0075			151 		698 - 16 43 UNCH
357 358			 0.0010p/	0.0005B/0.0015A 0.0005B/0.0015A		0.0010 + 0.0005 0.0010 + 0.0005	.0144					111 UNCH 101 UNCH
359 360		0.0010	0.0010B/ 0.0010/0.0010	0.0010B/0.0015A 0.0010/0.0010 0.0010B/*0.0015		0.0010 + 0.0005 0.0010 UNCH 0.0010 UNCH	.0155 .0162 .0169			21		350 UNCH 1433 - 21 224 UNCH
361 362 363						0.0010 UNCH 0.0015 + 0.0005 0.0015 UNCH	.0247					131 UNCH 230 UNCH
364 365	0.0020	0.0020	0.0020/*0.0020	0.0015B/*0.0020 0.0020/*0.0020		0.0015 UNCH 0.0020 UNCH	.0271 .0359			20 20		42 - 5 856 UNCH
366 367	0.0020 0.0020	0.0020 0.0020	0.0025/*0.0015 0.0020/*0.0020	0.0025/*0.0015 0.0025B/*0.0020		0.0020 - 0.0005 0.0020 - 0.0005	.0378			47 40		57 + 20 63 + 39
368 369			/*0.0025A /*0.0025A	0.0030B/*0.0025 0.0035B/*0.0025		0.0025 - 0.0005 0.0025 - 0.0010	.0501			 		158 UNCH 22 UNCH
370 371 372		0.0040 0.0040	0.0040/*0.0030A 0.0055B/*0.0035 0.0065B/*0.0040	0.0045B/*0.0030 0.0055B/*0.0035 0.0065B/*0.0040		0.0030 - 0.0015 0.0030 - 0.0020 0.0035 - 0.0025	.0648 .0694 .0831			72 1	 360	605 - 16 128 UNCH 395 + 355
374 375		0.0110	0.0100B/*0.0055 0.0125B/*0.0070	0.0100B/*0.0055 0.0125B/*0.0070		0.0050 - 0.0040 0.0065 - 0.0045	.1232			25 219		30 + 20 435 - 2
376 377	0.0090	0.0090	0.0155B/*0.0085 0.0185B/*0.0100	0.0155B/*0.0085 0.0185B/*0.0100		0.0080 - 0.0050 0.0100 - 0.0060	.1929 .2372			1 5	180	$\begin{array}{rrr} 3 + & 1 \\ 233 + & 180 \end{array}$
378 379		0.0150	0.0230B/*0.0125 0.0275B/*0.0150	0.0275B/*0.0150		0.0125 - 0.0065 0.0160 - 0.0070	.2889			11		14 + 11 8 UNCH
380 381		0.0230 0.0285	0.0330B/*0.0180 0.0380B/*0.0220 0.0445B/*0.0270	0.0330B/*0.0180 0.0380B/*0.0220 0.0445B/*0.0270		0.0200 - 0.0070 0.0250 - 0.0070 0.0305 - 0.0070	.4141 .4804 .5451			94 43		483 + 52 63 + 38 12 UNCH
382 383 384		0.0385	0.0515B/*0.0325 0.0590B/*0.0380	0.0515B/*0.0325		0.0365 - 0.0070 0.0430 - 0.0065	.6074			5 		16 + 5 50 UNCH
385 386			0.0660B/*0.0445 0.0690B/*0.0515	0.0660B/*0.0445 0.0690B/*0.0515		0.0505 - 0.0060 0.0580 - 0.0055	.7164 .7642					828 UNCH 2 UNCH
387 388			0.0765B/*0.0580 0.0805B/*0.0655	0.0765B/*0.0580 0.0805B/*0.0655		0.0665 - 0.0045 0.0750 - 0.0040	.7997 .8326					10 UNCH 20 UNCH
389 390			/*0.0730A 0.1105B/*0.0810	0.0840B/*0.0730 0.1105B/*0.0810 0.0820B/*0.1450		0.0840 - 0.0035 0.0930 - 0.0025 0.1215 - 0.0010	.8572 .8801 .9198					1 UNCH 111 UNCH 8 UNCH
393 395 400		0.1860	0.2075B/*0.1730	0.2075B/*0.1730		0.1410 UNCH 0.1900 + 0.0010	.9346					84 UNCH 111 UNCH
405 410						0.2390 + 0.0010 0.2890 + 0.0015	.9717 .9808					275 UNCH 59 UNCH
420 425 430						0.3885 + 0.0010 0.4385 + 0.0015 0.4880 + 0.0010	.9894 .9904 .9912					8 UNCH 8 UNCH 10 UNCH
450 800						0.6875 + 0.0010 4.1875 + 0.0015	.9995					2 UNCH 2 UNCH
TOTA	L								540	920		23408+ 663
200 220				/0.0010A /0.0010A		0.0005 UNCH 0.0005 UNCH						10 UNCH 1 UNCH
225 230				/0.0010A /0.0010A		0.0005 UNCH 0.0005 UNCH						10 UNCH 20 UNCH
235 240				/0.0010A /0.0010A		0.0005 UNCH 0.0005 UNCH						10 UNCH 1 UNCH
260 265				/0.0010A /0.0010A /0.0010A		0.0005 UNCH 0.0005 UNCH 0.0005 UNCH	.0000 .0000 .0001					1 UNCH 82 UNCH 30 UNCH
270 275 280				/0.0010A /0.0010A /0.0010A		0.0005 UNCH 0.0005 UNCH	.0003					24 UNCH 50 UNCH
285 290				/0.0010A /0.0010A		0.0005 UNCH 0.0005 UNCH	.0012					11 UNCH 228 UNCH
295 300				/0.0010A 0.0005B/0.0010A		0.0005 UNCH 0.0010 + 0.0005	.0035					6 UNCH 1117 UNCH
305 310 315		0.0010	0.0010/*0.0010 /*0.0010A	/0.0015A 0.0010/*0.0010 0.0005B/*0.0010		0.0010 UNCH 0.0010 UNCH 0.0010 - 0.0005	.0071 .0075 .0080			23		100 UNCH 200 UNCH 111 UNCH
320 325	0.0015	0.0015	0.0015/0.0015	0.0010B/*0.0015 0.0015/0.0015		0.0010 - 0.0005 0.0015 UNCH	.0086			7 4		275 UNCH 68 + 1
330 335		0.0020	0.0020/*0.0010	0.0020/*0.0010 0.0015B/*0.0020		0.0015 - 0.0005 0.0015 - 0.0005	.0138			59 8		448 - 12 218 - 1
338 339 340		0.0020 0.0030	0.0020/*0.0020 0.0030/*0.0020	0.0020B/*0.0025 0.0020/*0.0020 0.0030/*0.0020		0.0020 - 0.0005 0.0020 - 0.0005 0.0020 - 0.0010	.0197 .0201 .0205			52 107		5 UNCH 58 + 49 708 - 55
341 342		0.0035	0.0035/*0.0025	0.0035/*0.0025 0.0025B/*0.0030		0.0020 - 0.0010 0.0025 - 0.0005	.0208			21 14		50 - 1 46 - 6
343 344			/*0.0025A /*0.0025A	0.0025B/*0.0025 0.0030B/*0.0025		0.0025 - 0.0010 0.0025 - 0.0010	.0256 .0261					9 UNCH 11 UNCH
345 346			/*0.0030A /*0.0030A /*0.0030A	0.0030B/*0.0030 0.0035B/*0.0030 0.0035B/*0.0030		0.0025 - 0.0015 0.0030 - 0.0010 0.0030 - 0.0015	.0267			104		121 + 21 19 UNCH
347 348 349	0.0040	0.0040	0.0040/*0.0035A /*0.0035A	0.0033B/*0.0030 0.0040/*0.0035A 0.0040B/*0.0035		0.0030 - 0.0013 0.0035 - 0.0010 0.0035 - 0.0015	.0318 .0363 .0371			1		3 UNCH 17 - 1 19 UNCH
350 351			/*0.0040A /*0.0040A	0.0045B/*0.0040 0.0050B/*0.0040		0.0035 - 0.0020 0.0040 - 0.0020	.0379			4 2		266 - 1 7 - 1
352 353			/*0.0045A /*0.0045A	0.0050B/*0.0045 0.0060B/*0.0045		0.0045 - 0.0015 0.0045 - 0.0020	.0474 .0485			<u>-</u> 1		41 UNCH 11 UNCH
354 355			/*0.0050A /*0.0055A /*0.0060A	0.0060B/*0.0050 0.0070B/*0.0055		0.0050 - 0.0020 0.0055 - 0.0025	.0534			1 4		6 - 1 164 + 2
356 357 358			/*0.0060A /*0.0065A /*0.0070A	0.0075B/*0.0060 0.0080B/*0.0065 0.0090B/*0.0070		0.0060 - 0.0025 0.0065 - 0.0025 0.0070 - 0.0030	.0634 .0686 .0738			 1		13 UNCH 22 UNCH 69 - 1
358 359 360	0.0090	0.0090 0.0105	0.0090/*0.0075A 0.0105/*0.0080	0.0100B/*0.0075 0.0110B/*0.0080		0.0076 - 0.0030 0.0075 - 0.0030 0.0080 - 0.0035	.0792			6 14		6 + 4 221 - 3
361 362		0.0095	/*0.0090A 0.0095/*0.0080	0.0120B/*0.0090 0.0130B/*0.0080		0.0090 - 0.0035 0.0095 - 0.0045	.0938			1		28 UNCH 62 + 1
363 364		0.0115 0.0120	/*0.0105A 0.0115/*0.0115 0.0120/*0.0120	0.0140B/*0.0105 0.0155B/*0.0115 0.0170B/*0.0120		0.0105 - 0.0045 0.0115 - 0.0050 0.0125 - 0.0050	.1089 .1182 .1277			2 8 16		103 + 2 13 + 1 158 + 2
365 366 367		0.0120	0.0175/*0.0140 /*0.0155A	0.0185B/*0.0140		0.0123 - 0.0030 0.0140 - 0.0050 0.0150 - 0.0060	.1402			10 2		13 + 8 5 UNCH
368 369			/*0.0170A /*0.0185A	0.0220B/*0.0170 0.0240B/*0.0185		0.0165 - 0.0060 0.0185 - 0.0060	.1629 .1783			ī 		113 UNCH 9 UNCH
370		0.0255	0.0255/*0.0205A	0.0265B/*0.0205		0.0200 - 0.0065	.1914			17		82 + 11

METALS OPTIONS PRODUCTS

Side 49









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

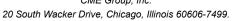
Customer Service:	(312) 930-1000
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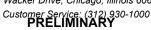
PG64	4 BULLETI	IN #225@		METALS OPTION PRODUCTS					Tue, Nov 21, 2023 PG64				
	GLOBEX OPEN	OPEN OUTCRY OPEN RANGE	GLOBEX HIGH/LOW	OPEN OUTCRY HIGH/LOW	OPEN OUTCRY CLOSE RANGE	SETT.PRICE & PT.CHGE.	DELTA	EXER CISES	OPEN OUTCRY VOLUME	GLOBEX® VOLUME	PNT VOLUME	OPEN INTEREST	
HX PU JAN24 371 372 373 374 375 376		COMEX COPPER OPTI 0.0390 0.0430 0.0425	/*0.0225A /*0.0245A 0.0345B/*0.0270 0.0375B/*0.0275 0.0420/*0.0320A 0.0445B/*0.0350	0.0290B/*0.0225 0.0315B/*0.0245 0.0345B/*0.0270 0.0375B/*0.0295 0.0420/*0.0320A 0.0445B/*0.0350 0.0485B/*0.0385		0.0220 - 0.0070 0.0245 - 0.0070 0.0270 - 0.0070 0.0295 - 0.0075 0.0320 - 0.0085 0.0350 - 0.0085 0.0385 - 0.0085	.2069 .2246 .2422 .2599 .2778 .2974			23 262 133 11		212 + 13	CH
378 379 380 381 382 383 384 385 386 387	0.0570 0.0575 0.0575 0.0620 0.0730 0.0770	0.0570 0.0575 0.0620 0.0730 0.0770	0.05258/*0.0420 0.05658/*0.0495 0.06108/*0.0490 0.06558/*0.0535 0.07058/*0.0580 0.07608/*0.0625 0.8108/*0.0670 0.08708/*0.0720 0.09258/*0.07720 0.09258/*0.0830	0.0525B/*0.0420 0.0565B/*0.0455 0.0610B/*0.0490 0.0655B/*0.0538 0.0705B/*0.0625 0.0810B/*0.0625 0.0810B/*0.0670 0.0870B/*0.0720 0.0925B/*0.0775 0.0985B/*0.0830	 	0.0415 - 0.0090 0.0455 - 0.0095 0.0495 - 0.0095 0.0535 - 0.0100 0.0575 - 0.0110 0.0625 - 0.0110 0.0670 - 0.0115 0.0720 - 0.0120 0.0775 - 0.0120 0.0830 - 0.0125	.3380 .3599 .3817 .4034 .4254 .4480 .4704 .4930 .5154 .5377			122 2 10 1 216 6		10 + 10 + 2 UNC	CH 84 2 9 CH 08 6 CH
388 390 395 400 405 415 420 430 440		 	0.1050b/*0.0890 0.1180b/*0.1005 0.1550b/*0.1340 0.1950b/*0.1710 /*0.2180A 0.3790b/0.3480A 0.4770b/0.4450A	0.1050B/*0.0890 0.1180B/*0.1005 0.1150B/*0.1340 0.1950B/*0.1710 0.2220B/*0.2180 0.3790B/0.3480A 0.4770B/0.4450A	 	0.0890 NEW 0.1010 - 0.0130 0.1360 - 0.0120 0.1750 - 0.0110 0.2165 - 0.0110 0.3075 - 0.0100 0.3555 - 0.0095 0.4530 - 0.0090 0.5520 - 0.0085	.5575 .6019 .6989 .7766 .8398 .9207 .9416 .9680			1			1 CH CH CH CH CH CH
490 800 TOTAI	L	4.1480	4.1480/*4.1480	4.1480/*4.1480	====	1.0510 - 0.0080 4.1510 - 0.0080	.9979			1 1282		9 UNC 2 +	
FEB24 220 250 260 265 270 275	 			/0.0010A /*0.0010A /0.0015A /0.0015A /0.0015A	 	0.0005 UNCH 0.0005 UNCH 0.0010 UNCH 0.0010 UNCH 0.0010 UNCH 0.0010 UNCH	.0000 .0016 .0047 .0049 .0051					3 UNC 1 UNC 52 UNC 1 UNC 8 UNC 2 UNC	CH CH CH CH
280 285 290 295 300 305 310 315	0.0020 	 0.0020 	 0.0020/*0.0020 	/0.0020A 0.0005B/0.0020A 0.0005B/0.0020A 0.0020/*0.0020 0.0015B/0.0025A 0.0015B/0.0030A 0.0020B/0.0035A 0.0025B/*0.0040	 	0.0015 UNCH 0.0015 UNCH 0.0015 - 0.0005 0.0020 UNCH 0.0025 UNCH 0.0025 UNCH 0.0030 UNCH 0.0030 - 0.0005	.0078 .0082 .0086 .0114 .0143 .0151 .0184			1 3		200 UNC 5 UNC 2 UNC 1 UNC 316 - 2 UNC 507 UNC 50 UNC	CH CH CH CH 3 CH
320 325 330 335 340 342 343	0.0045 0.0060 0.0075	0.0045 0.0060 0.0075	 0.0045/*0.0045 0.0060/*0.0060 0.0075/*0.0070 /*0.0090A /*0.0095A	0.0030B/*0.0045 0.0040B/*0.0050 0.0050B/*0.0045 0.0065B/*0.0060 0.0080B/*0.0070 0.0090B/*0.0090 0.0095B/*0.0090	 	0.0035 - 0.0005 0.0040 - 0.0005 0.0050 - 0.0010 0.0060 - 0.0015 0.0075 - 0.0020 0.0085 - 0.0020 0.0085 - 0.0025 0.0090 - 0.0025	.0235 .0277 .0350 .0430 .0543 .0611 .0621			 2 7 63 22		168 UNC 170 UNC 106 + 146 - 830 +	CH CH 2 1 47 1 CH
345 346 347 348 349 350 351		 	/*0.0100A /*0.0105A /*0.0115A /*0.0120A /*0.0125A /*0.0120A	0.0110B/*0.0100 0.0115B/*0.0105 0.0120B/*0.0115 0.0130B/*0.0120 0.0140B/*0.0125 0.0150B/*0.0120 0.0160B/*0.0120	 	0.0095 - 0.0025 0.0105 - 0.0025 0.0110 - 0.0025 0.0115 - 0.0030 0.0120 - 0.0030 0.0130 - 0.0030 0.0135 - 0.0035	.0692 .0752 .0788 .0826 .0864 .0925			1		140 UNG 6 UNG 104 UNG 5 UNG 52 UNG 184 + 50 UNG	CH CH CH CH CH CH
352 353 354 355 356 357 358 359	0.0215	 0.0215	/*0.0150A /*0.0160A /*0.0170A /*0.0180A /*0.0190A 0.0215/*0.0205A /*0.0215A /*0.0230A	0.0180B/*0.0160 0.0190B/*0.0170	 	0.0145 - 0.0035 0.0155 - 0.0035 0.0165 - 0.0035 0.0175 - 0.0040 0.0185 - 0.0045 0.0200 - 0.0040 0.0215 NEW	.1027 .1090 .1153 .1217 .1282 .1366 .1451 .1536			 1 49 20 6 14 5		75 + 2 19 +	CH
360 362 363 364 365 367 368 369	0.0265 0.0350 0.0495	0.0265 0.0350 0.0495	0.0265/*0.0245A /*0.0275A /*0.0295A /*0.0315A 0.0350/*0.0335A /*0.0380A /*0.0405A 0.0500B/*0.0430 /*0.0455A	0.0285B/*0.0245 0.0320B/*0.0275 0.0345B/*0.0295 0.0365B/*0.0315 0.0390B/*0.0335 0.0445B/*0.0380 0.0470B/*0.0405 0.0500B/*0.0430		0.0245 - 0.0045 0.0275 - 0.0055 0.0295 - 0.0055 0.0315 - 0.0060 0.0335 - 0.0060 0.0410 - 0.0060 0.0435 - 0.0065 0.0465 - 0.0065	.1622 .1796 .1900 .2005 .2110 .2348 .2467 .2587			35 7 9 1 			35 CH CH 7 7 1 CH
370 371 372 373 374 375 377 378 379	0.0490	0.0490 	0.0565B/*0.0485 0.0600B/*0.0515 0.0635B/*0.0550 0.0675B/*0.0580 0.0710B/*0.0615 0.0795B/*0.0690 0.0840B/*0.0730 0.0885B/*0.0770	0.0565B/*0.0485 0.0600B/*0.0515 0.0635B/*0.0550 0.0675B/*0.0580 0.0710B/*0.0615 0.0795B/*0.0690 0.0840B/*0.0730 0.0885B/*0.0770 0.0930B/*0.0810	===== ===== ===== =====	0.0495 NEW 0.0525 - 0.0065 0.0555 - 0.0070 0.0590 - 0.0070 0.0625 - 0.0075 0.0700 - 0.0080 0.0740 - 0.0080 0.0780 - 0.0085	.2848 .2979 .3111 .3251 .3391 .3679 .3825 .3972			2 1 4 		2 + 5 + 10 UNC 1 UNC 47 UNC 45 UNC 15 UNC	2 1 CH CH CH CH CH
380 381 382 385 388 389 390 395 400		 	0.09308/*0.0810 0.09808/*0.0855 0.10308/*0.0900 0.11958/*0.1045 0.13708/*0.1205 0.14308/*0.1265 0.14958/*0.1325 0.18308/*0.1635 0.21958/*0.1985	0.0930B/*0.0855 0.1030B/*0.0900 0.1195B/*0.1045 0.1370B/*0.1205 0.1430B/*0.1265 0.1495B/*0.1325 0.1830B/*0.1635 0.2195B/*0.1985		0.0825 - 0.0085 0.0865 - 0.0090 0.0915 - 0.0090 0.1060 - 0.0100 0.1225 - 0.0105 0.1285 - 0.0105 0.1345 - 0.0105 0.1665 - 0.0105 0.2020 - 0.0100	.4123 .4271 .4423 .4878 .5327 .5473 .5618 .6311			5 		74 UNC 1 UNC 2 UNC 25 UNC 4 UNC 7 UNC 16 UNC 11 UNC 31 UNC	CH CH CH CH CH CH
405 415 420 425 440 TOTAI			0.2520B/*0.2355 /*0.3230A 0.3855B/0.3605A 0.5780B/0.5475A	0.2520B/*0.2355 0.3290B/*0.3230 0.3885B/0.3605A 0.3775B/0.4395A 0.5780B/0.5475A		0.2400 - 0.0100 0.3235 - 0.0095 0.3680 - 0.0090 0.4135 - 0.0090 0.5560 - 0.0080	.7495 .8359 .8685 .8939 .9442			 259		3 UNC 10 UNC 2 UNC 1 UNC 3 UNC	CH CH CH CH
220 225 250 255 260 275 280 285		 	 	/0.0015A /0.0015A /0.0020A 0.0005B/0.0025A 0.0005B/0.0025A 0.0020B/0.0040A 0.0025B/0.0040A	 	0.0005 UNCH 0.0005 UNCH 0.0010 - 0.0005 0.0015 UNCH 0.0015 - 0.0005 0.0025 - 0.0005 0.0030 - 0.0005 0.0035 - 0.0005	.0006 .0010 .0044 .0063 .0066 .0113 .0136					1 UNC 2 UNC 2 UNC 19 UNC 2 UNC 48 UNC 7 UNC	CH CH CH CH CH
290 295 300 305 310 315 320 325 330 335 340	0.0055 0.0070 0.0085 0.0090	0.0055 0.0070 0.0085 0.0090	0.0060/0.0055 0.0070/0.0070 /*0.0075A 0.0085/*0.0085 0.0090/*0.0090 /*0.0115A /*0.0135A	0.0035B/0.0050A 0.0040B/0.0055A 0.0060/0.0055 0.0070/0.0065A 0.0060B/0.0070A 0.0070B/*0.0075 0.0085/*0.0085 0.0100B/*0.0090 0.0120B/*0.0115 0.0150B/*0.0135 0.0185B/*0.0170		0.0040 - 0.0005 0.0050 - 0.0005 0.0055 - 0.0005 0.0065 - 0.0005 0.0065 - 0.0005 0.0070 - 0.0010 0.0080 - 0.0010 0.0090 - 0.0020 0.0110 - 0.0020 0.0135 - 0.0025 0.0165 - 0.0035	.0187 .0231 .0261 .0294 .0329 .0367 .0428 .0495 .0605 .0741			292 2 2 2 13 3 2 1		215 UNG 33 UNG	CH CH 92 2 2 CH 3 3
345 350 355 360 365 370 375 380 385 390	0.0220 0.0275 0.0340 0.0465 0.0555	0.0220 0.0275 0.0340 0.0465 0.0555 0.0705 0.0910	0.0220/**0.0210A 0.0275/*0.0265A 0.0340/*0.0340 0.0465/*0.0435 0.0555/*0.0705 0.0740/*0.0705 0.09858/*0.0885 0.12108/*0.1090 0.14758/*0.1330 0.17658/*0.1600	0.0235B/*0.0210 0.0300B/*0.0265 0.0385B/*0.0340 0.0490B/*0.0435 0.0625B/*0.0555 0.0785B/*0.0705 0.0985B/*0.0885 0.1210B/*0.1090 0.1475B/*0.1330		0.0210 - 0.0035 0.0270 - 0.0040 0.0345 - 0.0050 0.0565 - 0.0060 0.0715 - 0.0070 0.0900 - 0.0070 0.1110 - 0.0080 0.1355 - 0.0090 0.1635 - 0.0090	.1128 .1408 .1740 .2143 .2596 .3108 .3665 .4244 .4836 .5417			100 108 11 10 42 45		17 UNC 1146 UNC 158 + 5 202 + 8 76 + 1 212 - 158 + 2	CH 56 88 11 1 20 14 CH
400 425 430 440 450 TOTAI			0.2435B/*0.2235 0.4920B/0.4645A 0.5850B/0.5560A 0.6800B/0.6500A	0.2435B/*0.2235 0.4920B/0.4645A 0.5850B/0.5560A 0.6800B/0.6500A	 	0.2285 - 0.0095 0.4280 - 0.0090 0.4725 - 0.0085 0.5640 - 0.0085 0.6590 - 0.0075	.6484 .8369 .8621 .8995 .9278			637		3 UNC 50 UNC 3 UNC 44 UNC 13 UNC	CH CH CH CH

METALS OPTIONS PRODUCTS

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PG64 BULLETIN #225@ Tue, Nov 21, METALS OPTION PRODUCTS 2023 PG64 OPEN OUTCRY VOLUME GLOBEX OPEN OPEN OUTCRY OPEN RANGE GLOBEX HIGH/LOW OPEN OUTCRY HIGH/LOW OPEN OUTCRY CLOSE RANGE SETT.PRICE & PT.CHGE. DELTA EXER CISES GLOBEX® OPEN INTEREST PNT VOLUME COMEX COPPER OPTIONS --------230 240 245 250 285 285 295 300 310 315 330 335 340 335 340 335 365 375 385 390 410 450 470 TOTAL .0036 .0054 .0071 .0072 .0179 .0203 .0370 .0398 .0542 .0638 .0920 .1107 .1593 .1909 .2262 .2262 .3569 .4558 .5543 .5846 .6889 .6886 2 1 50 1 12 11 4 32 16 23 11 203 25 1 361 207 22 773 UNCH UNCH 0.0005 0.0005 0.0005 0.0010 0.0010 0.0010 0.0015 0.0015 0.0025 0.0040 0.0055 0.0055 0.0065 0.0080 0.0080 0.0080 0.0080 0.0080 0.0080 0.0080 0.0065/*0.0065 ----/*0.0095A ----/*0.0110A ----/*0.0115A ----/*0.0175A ----/*0.0210A ----/*0.0250A ----/*0.0375A ----/*0.0465A ----/*0.0570A ----/*0.0700A 0.1115B/*0.1025 0.0065 0.0065 1 ---------------------2 .0700 .1035 .1240 .1475 .1740 .2030 .3040 .6435 .8330 ---/*0.070UA 0.11158/*0.1025 0.1335B/*0.1230 0.1585B/*0.1460 0.1855B/*0.1715 0.2155B/*0.2000 0.3205B/*0.3005 0.6640B/0.6375A 0.8545B/0.8265A 1 22 8 10 14 10 14 1 1837 MAY24 235 240 245 250 285 290 295 300 305 335 340 3375 380 365 370 375 425 440 450 70TALL .0010B/0.0030A .0010B/0.0035A .0011SB/0.0040A .0020B/0.0040A .0035B/0.0055A .0050B/0.0075A .0060B/0.0080A .0070B/0.0090A .0080B/*0.0100 .0095B/*0.0110 .0010B/*0.0110 .0010B/*0.0120 .0110B/*0.0120 .0220B/*0.0220 .0220B/*0.0260 .0320B/*0.0310 .0385B/*0.0370 .0365B/*0.0310 .0385B/*0.0310 .0355B/*0.1075 .1345B/*0.1075 .1345B/*0.1260 .1575B/*0.1470 .1255B/*0.1470 .2095B/*0.1260 .2390B/*0.2245 .4525B/*0.4760 .2390B/*0.2245 .4985B/0.4665A .66740B/0.6485A .8600B/0.8330A UNCH 0.0005 0.0005 0.0005 UNCH 0.0005 ----------------50 .0069 .0086 .0086 .0103 .0158 .0223 .0231 .0287 .0330 .0436 .0973 .1150 .0826 .0973 .1150 .2889 .3328 .4124 .4557 .4124 .4557 .7502 .7762 .8222 .8583 UNCH UNCH UNCH UNCH UNCH UNCH UNCH 100 UNCH UNCH UNCH UNCH 15 15 2 UNCH 0.0005 0.0010 0.0010 0.0020 0.0025 0.0035 0.0035 0.0050 0.0065 0.0065 800 100 1601 12 50 1 ----3 ----1 0.0550 0.0550 0.0070 NEW 0.0080 0.0085 0.0095 0.0100 0.0100 0.0095 0.0095 0.4790 0.4790 205 3413+ ---/0.0025A .0030B/0.0055A .0050B/0.0075A .0060B/0.0085A .0060B/0.0090A .0080B/*0.0120 .0125/*0.0125 .0240B/*0.0245 .0285B/*0.0245 .0335B/*0.0335 .0400B/*0.0395 .0480B/*0.0465 .0570B/*0.0550 .0670B/*0.0550 JUN24 --------200 250 270 275 280 285 300 325 330 345 350 355 360 420 .0016 .0127 .0214 .0236 .0271 .0296 .0444 .0806 .0937 .1093 .1274 .1486 .1718 .1978 .2262 .2573 .6814 30 50 10 UNCH UNCH .0005 .0015 .0015 .0025 .0030 .0035 .0040 .0045 .0055 .0055 .0055 0.0090A 0.0100 0.0125 0.0245 0.0285 0.0335 0.0395 0.0395 0.0550 0.0645 0.0760 0.0890 0.3990 0.0125/*0.0125 ----/*0.0245A ----/*0.0285A ----/*0.0335A ----/*0.0465A ----/*0.0550A ----/*0.0645A ----/*0.0760A ----/*0.0890A 0.4175B/*0.3990 0.0125 0.0125 19 2 10 50 33 1505+ TOTAL JUL24 0.0005 0.0010 0.0015 0.0015 0.0030 0.0030 0.0040 0.0045 0.0050 0.0050 16 1 3 22 71 10 1000 0.0100 0.0125 0.0140 0.0165 0.0255 0.0350 0.0415 0.0570 0.0670 0.0785 0.0910 0.1055 0.1215 0.1390 .0318 .0405 .0458 .0535 .0815 .0945 .1088 .1261 .1658 .1894 .2151 .2423 .2717 .3026 .3348 UNCH UNCH UNCH UNCH UNCH UNCH UNCH 21 0.0160/*0.0160 ----/*0.0270A ----/*0.0315A ----/*0.0370A ----/*0.0430A ----/*0.0585A 0.0695/*0.0680A 0.0810/*0.0790A 0.0950B/*0.01050 0.1045/*0.1045 0.0160 0.0160 .0370B, .0435B, .0600B, .0700B, .0815B, .0950B, .1100B, .1265B, 0.0695 0.0810 0.0945 0.1045 0.0695 0.0810 0.0945 0.1045 NEW NEW 0055 0060 ---25 TOTAL AUG24 290 335 340 345 350 355 360 380 0.0155 0.0580 0.0670 0.0770 0.0890 0.1020 0.1165 0.1905 0.0010 0.0045 0.0050 0.0055 0.0055 0.0060 2 1 0 UNCH UNCH UNCH UNCH UNCH 17 UNCH 17 ----/*0.0595A ----/*0.0690A ----/*0.0790A ----/*0.0905A ----/*0.1035A 0.1195/*0.1160 0.1985B/*0.1915 ----------------17 ----0.1195 0.1195 17 TOTAL SEP24 340 345 350 TOTAL -OCT24 340 345 0.0030 1 1 2 TOTAL DEC24 115 25 140 - 0.0050 - 0.0055 TOTAL HXE CA NOV23 370 375 380 385 390 400 COPPER OPTIONS #0.1325B/0.0980 ----/0.0550A #0.0455B/0.0245 #0.0205B/0.0085 0.0080B/0.0040A 0.0025 0.0055 0.0080 0.0070 0.0030 .9622 .8886 .6047 .2405 .0828 .0253 UNCH UNCH 38 5 1 2 60 0.0320 0.0320 TOTAL DEC23 370

0.1535 + 0.0055

.9235

UNCH

#0.1630B/0.1340

#0.1630B/0.1340

METALS OPTIONS PRODUCTS

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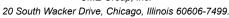
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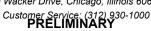
PG64 BULLETIN #225@ Tue, Nov 21, METALS OPTION PRODUCTS 2023 PG64 OPEN OUTCRY VOLUME GLOBEX OPEN GLOBEX HIGH/LOW OPEN OUTCRY HIGH/LOW OPEN OUTCRY CLOSE RANGE OPEN OUTCRY OPEN RANGE SETT.PRICE & PT.CHGE. DELTA PNT VOLUME HXE CALL DEC23 375 -390 -395 -400 -425 -TOTAL COPPER OPTIONS #0.1325B/*0.110 #0.0280B/0.0185 #0.0325B/0.0250 ---/0.0060A ---/*0.0030A 1 20 27 9 + 60+ HXE PUT NOV23 COPPER OPTIONS ---/0.0010A ---/0.0015A .0010B/0.0015A .0025B/*0.0025 .0095B/*0.0050 .0285B/*0.0150 .1090B/*0.0785 350 360 365 370 375 380 390 25 11 14 8 6 8 5 77 ---/*0.0025A 0.0095B/*0.0050 0.0285B/*0.0150 0.1090B/*0.0785 ____5 ____ 0.0050 0.0050 TOTAL DEC23 345 360 365 365 370 370 375 380 380 ---/0.00 .0035B/* .0030B/* .0070B/* .0070B/* .0195B/* .0023 .0417 .0463 .0702 .0762 .1618 --------27 10 1 22 4 32 21 5A .0040 .0035 .0055 .0050 .0145 ----/*0.0040A ----/*0.0035A ----/*0.0055A ----/*0.0050A 0.0170/*0.0145 0.0145B/*0.0095 0.0305B/*0.0205 0.0420B/*0.0320 .0005 .0030 .0030 .0050 .0045 .0145 .0015 .0010 .0025 .0025 0.0.0.0.0.0.0 22 20 0.0170 0.0125 0.0170 0.0125 0.0205 0.0355 0.0355 1 43 TOTAL ALUMINIUM OPTIONS ON FUTURES OPEN OUTCRY VOLUME OPEN INTEREST OPEN OUTCRY OPEN RANGE OPEN OUTCRY HIGH/LOW GLOBEX OPEN GLOBEX HIGH/LOW OPEN OUTCRY CLOSE RANGE SETT.PRICE & PT.CHGE. AX OPT ALUMINUM OPTION ---/1.00A ----/0.50A ----/0.50A ----/0.50A 0.50B/*0.75A 1.50B/*1.00A 8.75B/*3.75A 31.25B/18.25A 18.25B/*9.00A 3.75B/*1.00A 0.25B/0.75A 0.25B/0.75A ---/0.50A 197500 200000 202500 205000 215000 212500 212500 222500 222500 225000 235000 235000 235000 237500 237500 2360000 0.25 0.25 0.25 0.25 0.25 0.25 0.75 4.25 8.75 9.75 2.75 1.00 0.50 0.25 94 188 94 500 80 41 71 12 500 4 10 20 5 25 10 30 30 1 UNCH 0.50 1.00 3.75 3.75 6.25 8.50 1.50 0.25 0.25 ----/*1.00A 8.75B/*3.75A 31.25B/18.25A 18.25B/*9.00A 33.75B/*18.75 16.00B/8.75A ----/*1.00A ---<u>-</u> TOTAL JAN24 197500 217500 220000 220000 230000 250000 TOTAL ------------0 UNCH UNCH UNCH 10 UNCH 10 10 ----9 10 3 3 24.00B/18.50A 32.75B/25.25A 80.75B/66.50A 29.25B/22.50A ----23.75 23.75 10 FEB24 200000 245000 UNCH UNCH 0 ----/*6.00A 14.50B/12.50A 6.25B/6.00A 14.50B/12.50A 5.75 14.25 1.00 0.50 TOTAL PLATINUM OPTIONS ON FUTURES OPEN OUTCRY VOLUME GLOBEX OPEN OPEN OUTCRY OPEN RANGE GLOBEX HIGH/LOW OPEN OUTCRY HIGH/LOW OPEN OUTCRY CLOSE RANGE SETT.PRICE & PT.CHGE. OPEN INTEREST DEI TA GLOBEX® VOLUME PNT VOLUME PAO CA JAN24 980 1040 1050 1075 1100 1120 1230 1250 NYMEX PALLADIUM OPTIONS 130.30B/113.90A 82.30B/69.70A 75.40B/63.60A 59.80B/50.20A 46.70B/37.50 38.00B/32.10A 11.30B/10.30A 10.00/8.40A 130.30B/113.90A 82.30B/69.70A 75.40B/63.60A 59.80B/50.20A 46.70B/37.50 38.00B/32.10A 11.30B/10.30A 10.00/8.40A UNCH UNCH UNCH UNCH 14 7 14 5 15 5 123 25 208 10 .50 .00 .80 .60 128.50 74.80 59.40 46.40 37.80 12.00 37.50 37.50 9.80 9.80 TOTAL FEB24 51.20B/46.50A 42.00B/38.70A ----/27.10A ----/19.20A UNCH UNCH UNCH UNCH UNCH 0 . 40 . 20 . 00 . 90 .4620 .4034 .3017 .2227 1125 1150 1200 1250 1300 TOTAL MAR24 3.70 .40 .80 .00 .20 #118.00B/109.10 #102.70B/95.10A 81.20B/75.70A ----/40.40A ----/34.40A ----/31.00A #118.00B/109.10 #102.70B/95.10A 81.20B/75.70A 41.00B/40.40A 34.00B/34.40A 30.10B/31.00A 22.20B/24.00A 1025 1050 1090 1200 1230 1250 1300 TOTAL ----UNCH UNCH UNCH UNCH UNCH UNCH UNCH 5 15 75 6 10 30 142 2211000 PAO PUT JAN24 NYMEX PALLADIUM OPTIONS 5.50B/---6.00B/---32.10B/26.40A 925 930 1050 5.50B/5.70A 6.00B/6.10A 32.10B/26.40A TOTAL 935 1000 1040 14.00B/---28.30B/---42.40B/38.30A UNCH UNCH UNCH 0 TOTAL MAR24 49.70B/---60.40B/---86.30B/80.50A
154.40B/143.90A
237.50B/223.90A
476.10B/459.50A 1025 1050 1100 1200 1300 1555 49.70B/*47.50A 60.40B/*57.10A 86.30B/80.50A 154.40B/143.90A 237.50B/223.90A 476.10B/459.50A UNCH UNCH UNCH UNCH UNCH UNCH 0 . 90 . 10 . 40 . 10 5 15 2 75 30 TOTAL JUN24 1575 494.60B/482.30A 8710

METALS OPTIONS PRODUCTS

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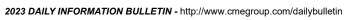




PG64 BULLETIN #225@ Tue, Nov 21, 2023 METALS OPTION PRODUCTS PG64 OPEN OUTCRY VOLUME GLOBEX OPEN GLOBEX HIGH/LOW OPEN OUTCRY HIGH/LOW OPEN OUTCRY CLOSE RANGE OPEN INTEREST SETT.PRICE & PT.CHGE. DELTA GLOBEX® VOLUME PNT VOLUME PAO PUT NYMEX PALLADIUM OPTIONS TOTAL 36.50B/144.20A
37.60B/86.30A
3.30B/72.60A
8.70B/68.10A
9.50B/59.50A
4.90B/55.30A
0.50B/51.20A
36.10B/47.30A
31.80B/43.50A
32.50B/33.40A
45.60B/33.40A
45.60B/33.40A
42.00B/27.60A
38.50B/25.00A
38.20B/22.60A
32.10B/20.40A
22.30B/21.10B/20.40A
24.10B/14.70A
21.80B/13.10A
19.70B/11.70A
17.70B/11.70A
17.70B/11.70A
11.40B/6.60A
10.10B/5.90A
9.10B/5.30A
8.10B/4.80A
7.60/4.30A
6.50B/3.30A
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4.70B/3.30A 166.00
107.20
93.00
88.30
79.10
74.60
70.20
61.60
53.40
49.50
42.20
38.70
32.40
26.70
24.20
19.70
16.00
14.30
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6.70
6.10
5.50
6.70
6.10
5.50
2.80
2.10
0.80
0.10
0.60
0.10 166.508/144.1
107.608/86.31
30.308/72.60
88.708/68.10
79.508/59.50
74.908/55.30
70.508/51.20
61.108/47.30
61.808/43.50
61.808/43.50
61.808/43.50
61.808/27.60
38.508/25.00
38.508/25.00
32.108/20.40
32.108/20.40
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5.90B/62.70A
9.60B/57.30A
8.60B/52.20A
8.10B/47.50A
8.20B/39.30A
2.90B/26.90A
4.80B/20.40A
3.60B/19.50A
8.70B/--2.00B/---93.408/78.11 75.908/62.77 69.608/57.31 63.608/52.25 58.108/47.50 55.508/45.31 32.908/26.91 29.908/24.51 24.808/20.41 23.608/19.50 12.008/10.44 5.508/5.30A 3.908/4.10A 200 105 50 25 3 .60 .20 .90 .00 .50 .90 .40 .40 .10 .30 .60 13.50 11.80 11.10 10.40 9.70 9.40 8.30 6.00 5.50 NEW 4.50 3.70 2.40 1.10 0.80 0.20 .7683 .6965 .6649 .6324 .5990 .5822 .5316 .4050 .3765 .3240 .3121 .2583 .1767 .0873 .0651 25 ----1 ----26 10A 70A 30A 20A 30A 30A 90A 50A 40A 40A 52.30 52.30 60 311 2 65 1 200 500 3 202 10 440 2177 21.40 500 500 JUL24 900 1000 1035 92.80B/----46.70B/----36.70B/----92.80B/82.70A 46.70B/42.80A 36.70B/34.40A 11.90 6.50 5.20 202 50 UNCH 1 253 TOTAL OCT24 900 109.60 + 11.90 6691 2 UNCH 0 TOTAL PLATINUM OPTIONS PO PU JAN247 755 7770 78800 8000 815 825 830 8855 860 8855 870 9910 9925 9700 9925 9700 1030 9925 1030 910 1030 1100 11100 11300 ----/*0.50A
0.10B/*0.60A
0.10B/*0.60A
0.20B/0.70A
0.40B/*0.80A
0.80/0.80
1.00B/*1.20A
1.30B/*1.40A
1.30B/*1.40A
1.90/*1.70A
2.50/*1.90A
3.40B/*2.70A
4.60B/*3.40A
4.60B/*3.40A
4.60B/*3.40A
5.30B/*3.80A
6.10B/*4.80A
9.20B/*6.10A
12.20B/*7.80A
6.00B/*1.4.80A
2.20B/*3.30A
3.40B/*3.40A
3.30B/*14.50A
3.30B/*14.50A
3.30B/*13.0A
4.60B/*3.30A
3.40B/*3.30A
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3.80B/*3.30A
3.80B/*3.30A
3.80B/*3.30A
3.80B/\$3.30A
4.20B/\$3.30A), 20), 30), 30), 40), 50), 80 , 10 , 20 , 40 , 10 , 20 , 40 , 10 , 20 , 20 , 30 , 70 , 50 , 90 , 10 , 20 , 20 , 30 , 70 , 50 , 90 , 10 , 10 , 20 , 20 , 30 , 30 , 70 , 90 , 10 , 10 , 10 , 20 , 20 , 30 .0060 .0090 .0095 .0127 .0253 .0341 .0253 .0341 .0640 .0815 .0907 .1174 .0907 .1174 .1313 .1667 .3170 .33480 .33480 .33480 .33480 .33480 .3481 .4515 .5488 . 12 53 11 4 205 150 27 11 202 0 127 ----0.80 0.80 0.80/0.80 UNCH UNCH UNCH /*1.40A /*1.60A /*1.70A *1.70A *2.40A *2.70A *3.00A /*3.40A 3.80A 4.30A *4.80A *6.10A /*7.80A /*10.00 *12.80A *16.40A *23.30A *26.00A 1 115 106 23 237 1113 4.10 --------/*3.80A -----/*4.30A 7.00B/*4.80A 9.20B/*6.10A 12.20B/*7.80A 16.00B/*10.00 20.70B/*12.80A 23.30B/*12.80A 23.30B/*12.80A 23.30B/*12.80A 26.00B/*23.30A 38.60B/*26.00A 42.20B/*23.30A 38.60B/*26.00A 42.20B/*8.80A 70.80B/53.10A 79.80B/61.30A 98.40B/78.60A 108.40B/78.60A 107.30B/106.40A 176.60B/154.90A 246.20B/224.00A 141 10.20 580 16 82 11 131 25 120 141 1 3 15 2 3 40 2 5 1 156 TOTAL FEB24 ----/*5.00A ----/*6.60A ----/*8.00A 11.80B/*8.80A 17.80B/*12.10 6.20B/*5.00A 8.60B/*6.60A 10.60B/*8.00A 11.80B/*8.80A 17.80B/*12.10 100 5 111 1 2 .60 .20 .60 .70 .40 .00 TOTAL APR24 APR24
750 3.40 3.40 3.40/*2.90
770 ---- ----/*4.30A
775 ---- ----/*4.60A
775 ---- ----/*6.00A
800 ---- ----/*6.40A
835 ---- ----/*10.30A
880 21.20 21.20 24.00B/*19.00
THE INFORMATION CONTAINED IN THIS REPORT IS COMP
IS ACCEPTED BY THE USER ON THE CONDITION THAT ER 3.40/*2.90 ---- 2.90 - 0.70 .0455 ---- ---4.208/*4.30A ---- 3.80 - 0.90 .0593 ---- ---4.608/*4.60A ---- 4.10 - 1.00 .0637 ---- ---6.408/*6.00A ---- 5.40 - 1.40 .0830 ---- --6.908/*6.40A ---- 5.80 - 1.60 .0887 ---- ---12.208/*10.30A ---- 9.70 - 2.70 .1412 ---- --12.008/*19.00 ---- 18.80 - 5.00 .2448 --- ---15 FOR THE CONVENIENCE OF THE USER AND IS FURNISHED WITHOUT RESPONSIBILITY FOR A COMPANIENCE OF THE USER AND IS FURNISHED WITHOUT RESPONSIBILITY FOR A COMPANIENCE OF THE USER AND IS FURNISHED WITHOUT RESPONSIBILITY FOR A COMPANIENCE OF THE USER AND IS FURNISHED WITHOUT RESPONSIBILITY FOR A COMPANIENCE OF THE USER AND IS FURNISHED WITHOUT RESPONSIBILITY FOR A COMPANIENCE OF THE USER AND IS FURNISHED WITHOUT RESPONSIBILITY FOR A COMPANIENCE OF THE USER AND IS FURNISHED WITHOUT RESPONSIBILITY FOR A COMPANIENCE OF THE USER AND IS FURNISHED WITHOUT RESPONSIBILITY FOR A COMPANIENCE OF THE USER AND IS FURNISHED WITHOUT RESPONSIBILITY FOR A COMPANIENCE OF THE USER AND IS FURNISHED WITHOUT RESPONSIBILITY FOR A COMPANIENCE OF THE USER AND IS FURNISHED WITHOUT RESPONSIBILITY FOR A COMPANIENCE OF THE USER AND IS FURNISHED WITHOUT RESPONSIBILITY FOR A COMPANIENCE OF THE USER AND IS FURNISHED WITHOUT RESPONSIBILITY FOR A COMPANIENCE OF THE USER AND IS FURNISHED WITHOUT RESPONSIBILITY FOR A COMPANIENCE OF THE USER AND IS FURNISHED WITHOUT RESPONSIBILITY FOR A COMPANIENCE OF THE USER AND IS FURNISHED WITHOUT RESPONSIBILITY FOR A COMPANIENCE OF THE USER AND IS FURNISHED WITHOUT RESPONSIBILITY FOR A COMPANIENCE OF THE USER AND IS FURNISHED WITHOUT RESPONSIBILITY FOR A COMPANIENCE OF THE USER AND IS FURNISHED WITHOUT RESPONSIBILITY FOR A COMPANIENCE OF THE USER AND IS FURNISHED WITHOUT RESPONSIBILITY FOR A COMPANIENCE OF THE USER AND IS FURNISHED WITHOUT RESPONSIBILITY FOR A COMPANIENCE OF THE USER AND IS FURNISHED WITHOUT RESPONSIBILITY FOR A COMPANIENCE OF THE USER AND IS FURNISHED WITHOUT RESPONSIBILITY FOR A COMPANIENCE OF THE USER AND IS FURNISHED WITHOUT RESPONSIBILITY FOR A COMPANIENCE OF THE USER AND IS FUR 58 22 43 37 570 33 531 500

METALS OPTIONS PRODUCTS

Side 53







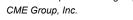
20 South Wacker Drive, Chicago, Illinois 60606-7499.

Customer	Ser	vice:	(312) 930-1000
PR	FI I	IMI	VΔF) 930-1000 Y

PG64	G64 BULLETIN #225@ METALS OPTION PRODUCTS							Tue, N	ov 21,	, 2023 PG64			
•	GLOBEX OPEN	OPEN OUTCRY OPEN RANGE	GLOBEX HIGH/LOW	OPEN OUTCRY HIGH/LOW	OPEN OUTCRY CLOSE RANGE	SETT.PRICE & PT.CHGE.	DELTA	EXER CISES	OPEN OUTCRY VOLUME	GLOBEX® VOLUME	PNT VOLUME	INTE	OPEN REST
PO PUT APR24		PLATINUM OPTIONS											
900 910 920 935 1195 1200 1230 1285 TOTAL	39.00	39.00 	31.60B/*25.30A 36.10B/*28.80A 40.90B/32.80A 48.80B/39.40A 267.20B/247.00A 272.10B/251.80A 301.30B/280.60A 355.40B/334.20A	31.60B/*25.30A 36.10B/*28.80A 40.90B/32.80A 48.80B/39.40A 267.20B/247.00A 272.10B/251.80A 301.30B/280.60A 355.40B/334.20A		24.80 - 6.40 28.40 - 7.10 32.30 NEW 39.00 - 8.90 246.90 - 17.30 251.60 - 17.40 280.50 - 17.60 334.20 - 17.90	.3032 .3347 .3672 .4174 .9095 .9124 .9270 .9464		 500	25 29		128 51 25 + 66 2 3 1 1 1571 +	UNCH UNCH 25 UNCH UNCH UNCH UNCH UNCH 523
30L24 850 880 900 940 1250 TOTAL		 	/*24.50A /*32.80A /*39.70A /*57.00A 317.50B/300.20A	25.40B/*24.50A 35.30B/*32.80A 43.30B/*39.70A 63.10B/*57.00A 317.50B/300.20A		22.80 - 4.00 31.10 - 5.40 38.00 - 6.40 55.20 - 8.80 299.00 - 16.90	.2183 .2795 .3249 .4222 .8775					3 4 12 3 2 24	UNCH UNCH UNCH UNCH UNCH O

METALS OPTIONS PRODUCTS

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METALS OPTION PRODUCTS

Tue, Nov 21, 2023 PG64

PG64 BI	JLLET	IN #225@			METALS OPTION	
				OPTIONS	EOO'S AND BLOCKS	
PRODUCT		STRIKE PRICE	EOO VOLUME		BLOCK VOLUME	
OG CALL DEC23 OG	CALL	COMEX GOLD OPTIONS 2000 2100	0		433 260	
OG TOTALS JAN24	CALL	2250	0		150 843	
OG OG TOTALS	CALL	1960 2090	0 0 0		400 400 800	
OG OG OG OG TOTALS	CALL	1960 2050 2090 2200	0 0 0 0		1000 260 1000 260 2520	
MAR24 OG TOTALS	CALL	2040	0		50 50	
APR24 OG OG TOTALS	CALL	2175 2275	0 0 0		50 50 100	
JUN24 OG OG OG TOTALS	CALL	2075 2100 2350	0 0 0		50 150 100 300	
AUG24 OG OG TOTALS	CALL	2100 2250	0 0 0		450 125 575	
SEP24 OG TOTALS	CALL	2200	0		100 100	
OG PUT DEC23 OG OG TOTALS	PUT	COMEX GOLD OPTIONS 1900 1975	0 0 0		173 300 473	
JAN24 OG TOTALS	PUT	1860	0		400 400	
FEB24 OG TOTALS JUN24	PUT	1860	0		1000 1000	
OG OG TOTALS	DUT	1900 2075	0 0 0		100 50 150	
AUG24 OG TOTALS	PUT	2000	0		125 125	
SO CALL JAN24 SO SO TOTALS	CALL	COMEX SILVER OPTIONS 2250 2600	0 0 0		300 300 600	
HX CALL JAN24 HX HX TOTALS	CALL	COMEX COPPER OPTIONS 385 410	0 0 0		500 500 1000	
HX PUT DEC23 HX HX TOTALS	PUT	COMEX COPPER OPTIONS 372 377	0 0 0		360 180 540	
PO CALL APR24 PO TOTALS	CALL	PLATINUM OPTIONS	0		500 500	
PO PUT APR24 PO TOTALS	PUT	PLATINUM OPTIONS 880	0		500 500	
OG4 CALL NOV23 OG4 TOTALS	CALL	GOLD OPTIONS 2025	0		150 150	
HRO OPT DEC23 HRO TOTALS	CALL	U.S. MIDWEST DOMESTIC	HOT-ROLLED 0 0	СО	100 100	
JAN24 HRO TOTALS	CALL	110000	0		75 75	
FEB24 HRO TOTALS	CALL	110000	0		75 75	
MAR24 HRO TOTALS	CALL	110000	0		75 75	
SWW WED NOV23 W4S TOTALS	PUT	SILVER WEEKLY WEDNESD 2380	AY OPTION WE 0 0	EK	45 45	
SWW WED NOV23 W4S TOTALS	CALL	SILVER WEEKLY WEDNESD 2400	AY OPTION WE 0 0	EK	45 45	

PG64 BULLETIN #225@

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METALS OPTION PRODUCTS Tue, Nov 21, 2023 PG64

GMW MON
DEC23 PUT
G1M
TOTALS GOLD WEEKLY MONDAY OPTION WEEK1 2000