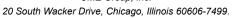
#### **METALS OPTIONS PRODUCTS**

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

CME Group, Inc.







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PG64 BULLETIN # 9@

METALS OPTION PRODUCTS

Fri, Jan 13, 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.

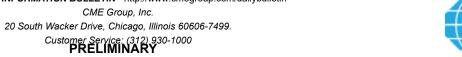
PRICE INDICATOR KEY
R= RECORD VOLUME OR OPEN INTEREST, B= BID, A=ASK, P= POST SETTLEMENT SESSION,N= NOMINAL CLOSE, WHICH DESIGNATES THAT THE CONTRACT DID NOT TRADE DURING THE RTH SESSION AND NO BETTER BID OR BETTER OFFER OCCURRED DURING THE RTH CLOSING RANGE TIME PERIOD. IN ALL INSTANCES, THE NOMINAL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

				M	FTAL FU	TURES C	ONTRACTS	LAST T	RADE DA	TES						
EXPIRATION:	JAN23	JAN23	JAN23	FEB23 01/26	MAR23 02/23	APR23	MAY23	JUN23	JUL23	AUG23	SEP2	:3 oc	T23 NO	ov23	DEC23	
AX OPT ECGC OOF ECHG OOF ECSI OOF GMW MON GWW WED HMW MON HRO OPT	01/30 01/25 01/30 01/24 01/25	01/12 01/12 01/12	01/13 01/13 01/13	02/13 02/08 02/13	03/28	04/25	05/30	06/27	07/25	08/29	09/2	)6 10	/24 11	1/28	12/26	
HWW WED HX CALL HX PUT				02/21 02/01 01/26 01/26 02/03 02/03	02/23 02/23	03/28 03/28	04/25 04/25	05/25 05/25	06/27 06/27	07/26 07/26	08/2 08/2	28 09	/26 10	0/26 0/26	11/27 11/27	
HXE CALL HXE PUT OG CALL OG PUT OG1 CALL OG1 PUT	01/27 01/27			02/03 02/03 01/26 01/26 02/03 02/03	02/23 02/23	03/28 03/28	04/25 04/25	05/25 05/25	06/27 06/27	07/26 07/26	08/2 08/2	28 09 28 09	/26 10 /26 10	0/26 0/26	11/27 11/27	
OG2 CALL OG2 PUT OG3 CALL OG3 PUT OG4 CALL OG4 PUT	01/13 01/13 01/20 01/20 01/27 01/27							/								
PAO CALL PAO PUT PO CALL PO PUT SMW MON SO CALL	01/30			01/18 01/18 01/18 01/18 02/13 01/26 01/26 02/03	02/15 02/15 02/23 02/23	03/15 03/15 03/28 03/28	04/25 04/25	05/17 05/25 05/25	06/21 06/21 06/27 06/27		08/2 08/2 08/2	09	/20		11/27 11/27	
SO PUT SO1 CALL SO1 PUT SO2 CALL SO2 PUT SO3 CALL	01/13 01/13 01/20			01/26 02/03 02/03	02/23	03/28	04/25	05/25	06/27		08/1	28			11/2/	
SO3 PUT SO4 CALL SO4 PUT SWW WED	01/13 01/20 01/20 01/27 01/27 01/25			02/08												
					GC	OLD OPTIO	NS ON FUT	ΓURES								
GLOBEX OPEN	OPEN OUTCRY OPEN RANGE	GLOBEX HIGH/LOW		OPEN OUTCR' HIGH/LOW	Y	OPEN OUTO		SETT. & PT.		DELTA	EXER CISES	OPEN OUTCRY VOLUME	GLOBEX <sup>©</sup> VOLUME		E INT	OPEN EREST
OG4 PUT JAN23 1690 1710	GOLD OPTIONS							0.10 0.10	UNCH UNCH	.0000					1 1	UNCH UNCH
1720 1725 1730 1740								0.10 0.10 0.10 0.10	UNCH UNCH UNCH - 0.10	.0002 .0003 .0005 .0009					16 1 1 2	UNCH UNCH UNCH UNCH
1745 1750 1760 1765		 /*0.20	0A 0a	 /*0.20A /*0.20A	<b>.</b>			0.10 0.10 0.10	- 0.10 - 0.10 - 0.20 - 0.20	.0012 .0016 .0026 .0034					1 15 1 1	UNCH UNCH UNCH UNCH
1790 1800 1810		/*0.30 /*0.30 /*0.40	0A 0A 0A	/*0.30A /*0.30A /*0.40A /*0.50A	\ \			0.20 0.30 0.40	- 0.40 - 0.40 - 0.60	.0071 .0106 .0144			 30		6 12 31 +	UNCH UNCH 30
1815 1820 1825 0.90 1830	0.90	/*0.50 0.90/*0.60 /*0.70	0a 0a 0a	/*0.504 0.90/*0.604 /*0.704	\ \ \			0.50	- 0.60 - 0.80 - 0.90 - 1.00	.0178 .0184 .0220 .0257			2		17 24 4 25	UNCH UNCH UNCH UNCH
1835 2.00 1840 1.30 1845 1.50 1850	2.00 1.30 1.50	2.00/*0.80 1.30/*1.00 1.50/*1.10 /*1.30	0A 0A	2.00/*0.80A 1.30/*1.00A 1.50/*1.10A /*1.30A				1.10	- 1.00 - 1.20 - 1.40 - 1.60 - 1.90	.0296 .0336 .0406 .0478			1 46 5		7	
1855 2.10 1860 1865 4.40	2.10  4.40	2.10/*1.50 /*1.80 4.40/*2.10 /*2.50	0a 0a 0a	2.10/*1.50A /*1.80A 4.40/*2.10A /*2.50A				1.80 2.10	- 1.90 - 2.20 - 2.50 - 2.90	.0552 .0655 .0760			<del>-</del> 7		9 + 5 10 +	UNCH
1870 1875 6.30 1880 4.80 1885	6.30 4.80	6.30/*2.90 4.80/*3.40 /*4.00	0a 0a 0a	6.30/*2.90A 4.80/*3.40A /*4.00A	\ \ \			2.90 3.50	- 3.40 - 3.90 - 4.40 - 5.10	.0893 .1031 .1215 .1404			56 		84 + 50 +	. 3
1890 4.80 1895 7.60 1900 10.00 1905 9.70	4.80 7.60 10.00 9.70	4.80/*4.70 12.30B/*5 14.20B/*6 16.50B/*7	0a .50a .40a	4.80/*4.70A 12.30B/*5.5 14.20B/*6.4 16.50B/*7.5	00A 10A			5.80 6.80	- 5.70 - 6.40 - 7.20 - 8.10	.1635 .1887 .2158 .2449			8 21 46 8		20 100 -	3 UNCH 2
1910 11.90 1915 13.00 1920 14.70	11.90 13.00 14.70	18.90B/*8 21.50B/*1 23.90B/*1 29.70B/*1	.70A 0.10A	18.90B/*8.7 21.50B/*10. 23.90B/*11.	'0A 10A 70A			9.30 10.80 12.50	- 8.90 - 9.80 - 10.70	.2782 .3127 .3493			11 7 24		16 + 8 + 28 +	7 3 20
1930 19.20 1935 22.30 1950 25.70 TOTAL	19.20 22.30 25.70	29.70B/*1 32.80B/*1 43.90B/*2	7.6UA	29.70B/*15. 32.80B/*17. 43.90B/*25.	60A			16.60 18.90 27.20	NEW NEW NEW	.4270 .4667 .5843			3 7 3 299			. 7
GLOBEX OPEN	OPEN OUTCRY OPEN RANGE	GLOBEX HIGH/LOW		OPEN OUTCR' HIGH/LOW		OPEN OUT CLOSE RAI		SETT. & PT.	PRICE CHGE.	DELTA	EXER CISES	OPEN OUTCRY VOLUME	GLOBEX <sup>©</sup> VOLUME		E INT	OPEN EREST
OG4 CALL JAN23 1795 1800	GOLD OPTIONS	#141.90B/	114.20	#146.60B/11 #141.90B/11	.4.20A			143.70 138.70	+ 22.60	.9896 .9893					147 55	UNCH UNCH
1815 1820 1825 1840		#121.80B/9	95.10A 89.90A	#126.70B/10 #121.80B/95 #117.10B/89 #102.20B/75	.10A ).90A			123.80 118.90 114.00 99.30	+ 22.20 + 22.10	.9821 .9814 .9778 .9661					ĭ	UNCH UNCH UNCH UNCH
1845 95.10 1870 1880 42.30	95.10  42.30	#97.40B/7 #73.90B/4 #64.80B/4	1.10A 9.20A 1.40A	#97.40B/71. #73.90B/49. #64.80B/41.	10A 20A 40A			94.50 70.90 61.90	+ 21.40 + 19.60 + 18.50	.9591 .9103 .8781			1 3		11 - 6 13 +	UNCH 3
1885 1890 1895		#60.40B/3 #56.10B/3 #51.90B/3	7.60A 4.20A 0.80A	#60.40B/37. #56.10B/34. #51.90B/30. #47.80B/27.	60A 20A 80A			57.60 53.30 49.20 45.20	+ 17.20 + 16.50	.8592 .8361 .8109 .7838					123	UNCH UNCH
1905 1910 1915		#43.90B/24 #40.10B/23 #36.50B/19	4.20A 1.50A 9.10A	#43.90B/24. #40.10B/21. #36.50B/19.	20A 50A 10A			41.40 37.70 34.30	+ 14.90 + 14.00 + 13.20	.7546 .7214 .6868			19 43		30 39 + 1	UNCH
1920 1925 24.50 1930 26.10	24.50 26.10	#33.10B/10 #29 90R/1	6.90A 5.00A	#33.10B/16. #29.90B/15. #26.90B/13. #24.10B/11. #21.50B/10.	90A 00a			31.00 27.90 25.10	+ 12.30 + 11.40 + 10.50	.6503 .6121 .5726			5 10		87 - 50 +	UNCH 5 . 9
1935 18.20 1940 16.40 1945 14.90 1950 10.30	18.20 16.40 14.90 10.30	#21.50B/10B/19.20B/8 #19.20B/8	.90A 80a	#19.20B/8.9	ΙΟΑ ΙΟΔ			22.40 20.00 17.70 15.70	+ 8.80 + 7.90 + 7.20				24 8 29 89		32 + 38 +	8 28 65
1955 11.30 1960 10.20 1965	11.30 10.20	#19.208/8 #17.008/7 #15.008/6 #13.208/5 #11.708/5	. LUA	#15.00B/6.8 #13.20B/5.9 #11.70B/5.1	80a 90a .0a			13.90 12.20 10.70	+ 6.50 + 5.70 + 5.10	.3784 .3427 .3090			27 10		37 + 16 + 13	25 10 UNCH
1975 6.00	6.00 CONTAINED IN THI	#10.20B/4 #9.00B/3.	90A S COMPII	#10.20B/4.5 #9.00B/3.90 ED FOR THE	ONVENIE	 NCE OF TH	E USER AN	8.30 D IS FURN	+ 4.50 + 4.10 ISHED WIT	HOUT RESI			15 7		109 + 5 + ONTENT. IT	4

## **METALS OPTIONS PRODUCTS**

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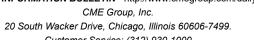
Side 02

				PRELIMINA	AIX I						
PG64 BULLET	in # 9@		M	METALS OPTION	PRODUCTS				Fri,	Jan 13,	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
0G4 CALL JAN23 1980 1985 1990 4.60 1995 4.10 2000 2.70 2005 3.10 2010 2.20 2025 2030 1.30 2040 1.00 2050 2065 1.00 2100 TOTAL	GOLD OPTIONS 4.60 4.10 2.70 3.10 2.20 1.30 1.00	#7.908/3.40A #6.908/3.00A #6.908/2.60A #5.308/2.30A #4.608/2.00A #4.008/1.80A #3.508/1.60A #2.408/ #1.108/1.00A #1.608/0.80A #1.308/ #1.00/*1.00	#7.908/3.40A #6.908/3.00A #6.008/2.60A #5.308/2.30A #4.608/2.30A #4.608/1.80A #3.508/1.60A #2.108/1.30A #1.608/0.80A #1.308/ #1.00/*1.00	     	7.20 NEW 6.30 + 3.10 5.50 NEW 4.80 NEW 4.20 + 2.10 3.70 NEW 3.30 + 1.60 2.20 + 1.10 2.00 + 1.00 1.60 + 0.80 1.30 + 0.60 0.90 NEW 0.50 NEW	.2219 .1975 .1753 .1552 .1373 .1219 .1089 .0742 .0670 .0534 .0430 .0298 .0156			2  14 7 36 25 18  1 1  2 10 406		1 + 1 1 UNCH 14 + 14 7 + 7 34 + 31 25 + 25 20 + 18 5 UNCH 1 UNCH 1 UNCH 1 UNCH 1 10 10 + 10 1223 + 318
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
OGS PUT JAN23 1620 1630 1635 1660 1675 1675 1685 1700 1715 1710 1715 1720 1725 1730 1735 1745 0.10 1755 1745 0.10 1755 1745 0.10 1755 1755 1760 0.10 1770 1755 1780 0.20 1785 0.20 1790 1795 1810 1815 0.20 1790 1815 0.20 1890 0.50 1820 0.50 1825 0.30 1830 0.50 1845 1.20 1850 1.00 1855 2.00 1850 1.00 1855 2.00 1850 1.00 1855 1.00	GOLD OPTIONS				0.10 UNCH 0.10 U						2 UNCH 3 UNCH 16 UNCH 34 UNCH 17 UNCH 18 UNCH 18 UNCH 19 UNCH 11 UNCH 11 UNCH 11 UNCH 11 UNCH 12 UNCH 13 UNCH 14 UNCH 15 UNCH 15 UNCH 16 UNCH 17 UNCH 18 UNCH 18 UNCH 19 UNCH 10 UNCH 11 UNCH 11 UNCH 11 UNCH 12 UNCH 12 UNCH 12 UNCH 13 UNCH 14 UNCH 15 UNCH 15 UNCH 16 UNCH 17 UNCH 17 UNCH 18 UNCH 18 UNCH 18 + 13
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 JAN23 1770 1775 1785 1790 1800 1805 1815 1820 1835 1840 1855 1850 1855 1850 1850 1850 1865 1865 1875 1875 1880 37.60 1890 21.70 1895 16.00 1900 17.00 1905 16.00 1900 17.00 1905 16.00 1910 10.40 1915 11.40 1915 11.40 1925 7.60 1930 6.20 1935 3.70 1940 5.40 1915 11.40 1925 7.60 1936 6.20 1937 3.30 1945 3.10 1950 3.30 1955 3.00 1950 3.30 1955 3.00 1960 1965 2.20 1970 1.50 1975 1.20 1980 1.70 1985 0.80 1990 1.20 1985 0.80 1990 1.20 1985 0.80 1990 1.20 1985 0.80 1990 1.20 1985 0.80 1990 1.20 1985 0.80 1990 1.20 1985 0.80 1990 1.20 1985 0.80 1990 1.20 1985 0.80 1990 1.20 1985 0.80 1990 1.20 1985 0.80 1990 1.20 1985 0.80 1990 1.20 1985 0.80 1990 1.20 1985 0.80 1990 1.20 1985 0.80	GOLD OPTIONS	#150.00B/122.10 #139.60B/112.60 #134.60B/107.60 #134.60B/107.60 #125.10B/97.20A #109.70B/82.90A #104.80B/78.00A #204.90B/68.20A #85.00B/58.30A #85.00B/58.30A #85.50B/53.60A #70.40B/44.50A #70.40B/44.50A #70.40B/44.50A #70.40B/44.50A #70.40B/44.50A #70.40B/44.50A #70.40B/44.50A #70.40B/44.50A #70.40B/44.50A #70.40B/47.50A #70.40B/47.50A #70.40B/47.50A #70.40B/47.50A #70.40B/47.50A #71.00B/27.90A #71.00B/27.90A #73.00B/8.80A #71.00B/2.40A #73.90B/1.40A #70.90A	#139.608/112.60A #134.608/107.60A #125.108/97.20A #119.60B/92.70A #119.60B/92.70A #109.70B/82.90A #104.80B/78.00A #94.90B/68.20A #99.90B/63.00A #85.00B/53.60A #75.50B/49.00A #75.50B/49.00A #75.50B/49.00A #75.50B/49.00A #75.60B/31.80A #75.60B/31.80A #75.60B/31.80A #75.60B/31.80A #76.10B/21.90A #77.10B/22.90A #77.10B/24.30A #78.80A #79.80B/7.30A #16.90B/6.10A #14.40B/5.00A #79.80B/7.30A #79.80B/7.30A #79.80B/7.30A #79.80B/7.30A #79.80B/7.30A #10.10B/3.50A #7.10B/4.20 #7.10B/4.20 #7.10B/4.20 #7.10B/4.20 #7.10B/1.20A		151.70 + 22.90 146.70 + 22.90 136.70 + 22.80 131.70 + 22.80 131.70 + 22.80 131.70 + 22.80 131.70 + 22.80 131.80 + 22.80 116.80 + 22.50 106.80 + 22.50 101.80 + 22.2.00 87.00 + 22.2.00 87.00 + 22.2.00 87.00 + 22.2.00 87.00 + 21.90 77.20 + 21.60 72.30 + 21.30 67.50 + 21.00 62.70 + 20.50 57.90 + 20.00 53.20 + 19.30 48.60 + 18.60 44.10 + 17.70 39.80 + 16.80 35.60 + 15.70 31.60 + 14.50 27.80 + 13.20 24.20 + 11.80 21.00 + 10.60 18.00 + 9.30 15.30 + 8.10 12.90 + 6.90 10.80 + 5.80 9.00 + 4.90 7.50 + 4.10 6.20 + 3.40 5.10 + 2.80 4.20 + 2.30 3.40 + 1.80 2.30 + 1.50 2.30 + 1.50 2.30 + 1.20 1.90 + 1.00 1.60 + 0.80 1.10 + 0.50 0.90 + 0.40 0.70 + 0.30 0.50 + 0.20 0.40 + 0.20 0.30 + 0.10 0.30 + 0.10 0.30 + 0.20 0.30 + 0.10 0.30 + 0.20	1.0000 1.0000 1.9095 9.995 9.9982 9.9973 9.9922 9.918 9.872 9.9866 9.820 9.773 9.6685 9.630 9.534 9.399 9.256 9.072 8.8847 8.582 8.8251 7.862 7.421 7.421 7.					11 UNCH 1 UNCH 1 UNCH 11 UNCH 13 UNCH 13 UNCH 13 UNCH 12 UNCH 14 UNCH 15 UNCH 16 UNCH 15 UNCH 16 UNCH 25 UNCH 17 UNCH 18 UNCH 18 UNCH 25 UNCH 18 UNCH 25 UNCH 19 UNCH 27 UNCH 28 UNCH 29 UNCH 29 UNCH 20 UNCH 20 UNCH 21 UNCH 22 UNCH 22 UNCH 23 - 1 24 UNCH 25 UNCH 25 UNCH 26 UNCH 27 UNCH 28 UNCH 29 UNCH 29 UNCH 20 UNCH 21 UNCH 21 UNCH 22 UNCH 23 - 1 24 UNCH 25 UNCH 26 UNCH 27 UNCH 28 UNCH 29 UNCH 20

## **METALS OPTIONS PRODUCTS**

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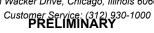
PG64 BULLET	IN # 9@		M	ETALS OPTION P					Fri,	Jan 13,	2023 PG64
GLOBEX OPEN	OPEN OUTCRY OPEN RANGE	GLOBEX HIGH/LOW	OPEN OUTCRY HIGH/LOW	OPEN OUTCRY CLOSE RANGE	SETT.PRICE & PT.CHGE.	DELTA	EXER CISES	OPEN OUTCRY VOLUME	GLOBEX® VOLUME	PNT VOLUME	OPEN INTEREST
OG3 CALL JAN23 2045 2050 0.30 2055 2060 0.20 2065 2075 0.20 2080 0.30	GOLD OPTIONS 0.30 0.20 0.20 0.30	0.20B/ #0.30/*0.30 0.20B/ 0.20/*0.20 0.20B/ #0.20/*0.20 #0.30/*0.20	0.20B/ #0.30/*0.30 0.20B/ 0.20/*0.20 0.20B/ #0.20/*0.20 #0.30/*0.20		0.20 + 0.10 0.20 + 0.10 0.20 + 0.10 0.20 + 0.10 0.20 + 0.10 0.20 NEW 0.20 NEW	.0073 .0071 .0068 .0066 .0064 .0061			20 220  10 10 5 10 3415		23 + 20 201 + 191 14 UNCH 25 + 9 10 + 10 5 + 5 5 + 5 6416 + 1064
GLOBEX OPEN	OPEN OUTCRY OPEN RANGE	GLOBEX HIGH/LOW	OPEN OUTCRY HIGH/LOW	OPEN OUTCRY CLOSE RANGE	SETT.PRICE & PT.CHGE.	DELTA	EXER CISES	OPEN OUTCRY VOLUME	GLOBEX® VOLUME	PNT VOLUME	OPEN INTEREST
OG2 PUT JAN23	GOLD OPTIONS				0.00 - 0.10						0 - 79
1600 1630 1640 1650 1660 1665 1675 1695 1700 1710 1715 1720 1730 1745 1750 1750 1740 1750 1750 1740 1750 1780 1790 0.10 1795 1800 1810 1850 1810 1850 1850 1850 1850 1850 1850 1850 1850 1850 1850 1850 1850 1850 1850 1850 1860 1850 1850 1865 1865 1865 0.10 1875 1860 1860 1875 1880 1890 1890 1890 1890 1900 5.70 1900 5.70 1900 5.70 1900 5.70 1900 10.30 1910 11.80 1915 6.50 1920 10.30 1925 28.10 1930 1950 1950 1950 1950 1950					0.00 - 0.10 0.00 -						0 - 79 0 - 77 0 - 18 0 - 11 0 - 6 0 - 29 0 - 29 0 - 25 0 - 25 0 - 32 0 - 12 0 - 62 0 - 27 0 - 84 0 - 62 0 - 12 0 - 132 0 - 168 0 - 62 0 - 1510 0 - 132 0 - 168 0 - 64 0 - 132 0 - 168 0 - 64 0 - 132 0 - 168 0 - 64 0 - 250 0 - 32 0 - 168 0 - 64 0 - 1510 0 - 132 0 - 150 0 - 1447 0 - 159 0 - 286 0 - 294 0 - 287 0 - 154 0 - 632 0 - 287 0 - 626 0 - 287 0 - 627 0 - 627 0 - 628 0 - 6294 0 - 288 0 - 294 0 - 288 0 - 294 0 - 338 0 - 308 0 - 1445 0 - 50 0 - 626 0 - 626 0 - 627 0 - 627 0 - 627 0 - 627 0 - 637 0 - 638 0 - 639 0 - 639 0 - 630 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
OG2 CALL JAN23 1730 1750 1750 1775 1775 1780 1780 1780 1785 1795 1795 1810 1810 1815 1810 1815 1816 1815 1816 1816 1817 1818 1819 1819 1819 1819 1819 1819	GOLD OPTIONS	#192.00B/167.10 #172.00B/147.10 #152.00B/127.10 #147.00B/122.10 #142.00B/117.10 #137.00B/112.10 #137.00B/112.10 #127.00B/97.10A #117.00B/92.10A #117.00B/97.10A #117.00B/97.10A #112.00B/87.10A #102.00B/7.10A #97.00B/72.10A #97.00B/67.10A #97.00B/67.10A #97.00B/52.10A #77.00B/52.10A #77.00B/52.10A #77.00B/52.10A #77.00B/52.10A #77.00B/52.10A #77.00B/32.20A #77.00B/32.00B/3.00A #77.00B/32.00B/3.00A #77.00B/32.00B/3.00A #70.00B/3.00B/3.00A #70.00B/3.100A #70.00B/3.100A #70.00B/3.100A #70.00B/3.100A	#152.00B/127.10A #147.00B/122.10A #142.00B/117.10A #137.00B/112.10A #127.00B/97.10A #117.00B/92.10A #112.00B/87.10A #112.00B/87.10A		191.70 + 22.80 171.70 + 22.80 171.70 + 22.80 116.70 + 22.80 141.70 + 22.80 141.70 + 22.80 136.70 + 22.80 126.70 + 22.80 126.70 + 22.80 126.70 + 22.80 126.70 + 22.80 126.70 + 22.80 126.70 + 22.80 126.70 + 22.80 126.70 + 22.80 126.70 + 22.80 126.70 + 22.80 126.70 + 22.80 127.70 + 20.70 127.70		1 7,750 71 1 3 22,34 30,45 16,48 47,41 109,131 30,438 45,393 198,305 590,761 160,441 555,44 46,308 423,200 				0 - 1 0 - 7 0 - 70 0 - 71 0 - 70 0 - 71 0 - 31 0 - 33 0 - 22 0 - 34 0 - 36 0 - 16 0 - 45 0 - 131 0 - 39 0 - 45 0 - 164 0 - 45 0 - 164 0 - 45 0 - 104 0 - 109 0 - 118 0 - 107 0 - 141 0 - 380 0 - 145 0 - 146 0 - 146 0 - 146 0 - 154 0 - 107 0 - 154 0 - 1107 0 - 154 0 - 1107 0 - 154 0 - 1107 0 - 154 0 - 1108 0 - 1107 0 - 154 0 - 1108 0 - 1107 0 - 154 0 - 1154 0 - 370 0 - 154 0 - 154 0 - 154 0 - 176 0 - 370 0 - 154 0 - 176 0 - 154 0 - 176 0 - 154 0 - 176 0 - 176 0 - 176 0 - 176 0 - 176 0 - 176 0 - 176 0 - 176 0 - 176 0 - 176 0 - 176 0 - 154 0 - 176 0 - 205 0 - 379 0 - 154 0 - 176 0 - 255 0 - 379 0 - 154 0 - 176 0 - 255 0 - 379 0 - 154 0 - 154 0 - 154 0 - 154 0 - 154 0 - 158 0 - 710 0 - 154 0 - 158 0 - 158 0 - 158 0 - 158 0 - 158 0 - 158 0 - 158 0 - 158 0 - 158 0 - 158 0 - 158 0 - 158 0 - 158 0 - 158 0 - 158

## **METALS OPTIONS PRODUCTS**

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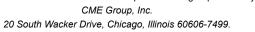


PG64 BULLET	IN # 9@		M	ETALS OPTION					Fri,	Jan 13,	, 2023 PG64
GLOBEX OPEN	OPEN OUTCRY OPEN RANGE	GLOBEX HIGH/LOW	OPEN OUTCRY HIGH/LOW	OPEN OUTCRY CLOSE RANGE	SETT.PRICE & PT.CHGE.	DELTA	EXER CISES	OPEN OUTCRY VOLUME	GLOBEX® VOLUME	PNT VOLUME	OPEN INTEREST
OG1 PUT FEB23 1705 1710 1715 1720 1720 1730 1730 1730 1750 1750 0.40 1745 0.40 1750 1755 1755 1765 0.40 1765 0.40 1765 1800 1.20 1810 1815 1825 1825 1830 2.00 1840 1855 4.50 1870 1855 4.50 1870 1875 9.30 1880 8.30 1885 9.40 1890 1895 12.30 1880 9.40 1890 14.10 1905 15.60 1910 1915 16.20 1920 19215 16.20 1920 19215 29.80 1945	GOLD OPTIONS 0.30 0.40 0.30 1.20 2.00 2.00 3.20 4.50 9.30 8.30 9.40 12.30 14.10 15.60 16.20 22.30 29.80	/*0.20A/*0.30A/*0.30A/*0.30A/*0.30A/*0.30A/*0.30A/*0.30A 0.30/*0.30/*0.40A 0.40/*0.40/*0.60A/*0.80A 1.20/*0.90A 2.00/*1.10A/*1.20A/*1.70A 2.00/*1.90A/*1.70A 2.00/*3.60/*5.30A 3.20/*3.20 4.50/*3.60/*5.30A 9.30/*5.80 12.50B/*6.80A 14.50B/*6.80A	/*0.20A		0.20 - 0.10 0.20 - 0.10 0.30 - 0.10 0.30 - 0.10 0.30 - 0.10 0.30 - 0.10 0.30 - 0.40 0.30 - 0.40 0.30 - 0.40 0.40 - 0.30 0.40 - 0.50 0.50 - 0.60 0.80 - 0.90 0.90 - 1.00 1.20 - 1.20 1.30 - 1.40 1.70 - 1.70 2.00 - 1.80 2.50 - 2.30 3.20 - 2.80 3.70 - 3.10 5.50 - 4.30 6.20 - 4.80 7.10 - 5.30 8.10 9.10 - 6.50 10.30 NEW 11.70 NEW 13.20 - 8.40 14.480 - 9.10 16.60 - 9.80 18.50 NEW 20.60 - 11.20 22.80 - 12.00 22.80 - 12.00 22.80 - 12.00 25.20 NEW 30.50 - 14.00	.0051 .0052 .0075 .0076 .0078 .0083 .0085 .0087 .0115 .0118 .0119 .0269 .0300 .0353 .0386 .0497 .0718 .0905 .1029 .1458 .1622 .1815 .2021 .2231 .2444 .2771 .2979 .3532 .3820 .3117 .4416 .4718 .5319			       		2 UNCH 14 UNCH 12 UNCH 16 UNCH 7 + 7 11 + 11 22 UNCH 21 UNCH 21 UNCH 43 + 5 5 UNCH 1 U
GLOBEX OPEN	OPEN OUTCRY OPEN RANGE	GLOBEX HIGH/LOW	OPEN OUTCRY HIGH/LOW	OPEN OUTCRY CLOSE RANGE	SETT.PRICE & PT.CHGE.	DELTA	EXER CISES	OPEN OUTCRY VOLUME	GLOBEX® VOLUME	PNT VOLUME	OPEN INTEREST
OG1 CALL FEB23 1790 1810 1815 1815 1890 1990 40.80 1910 40.00 1915 1920 1925 1930 24.50 1935 23.90 1940 1945 25.30 1950 14.10 1955 21.40 1960 11.80 1965 1975 1980 1975 1980 1990 1995 1980 1990 1995 1980 1990 1990 1995 1980 1990 1995 1980 1990 1995 1980 1980 1990 1995 1980 1990 1995 1980 1990 1995 1985 1980 1990 1995 1990 1995 1995 2000 8.00 2010 7.00 2025 2030 2045 2.00 2070 2.20 2080 1.50 2085 2095 0.90 TOTAL	GOLD OPTIONS 60.50 40.80 40.00 24.50 23.90 25.30 14.10 21.40 11.80 8.00 7.00 8.00 7.00 2.20 1.50 0.90	#132.30B/106.10	#152.00B/125.30A #132.30B/106.10A #132.30B/106.10A #127.50B/101.40A #81.00B/57.40A #81.00B/57.40A #82.40B/49.90A #60.10B/39.70A #48.80B/30.00A #45.30B/27.50A #42.00B/25.10A #38.80B/22.90A #35.80B/20.80A #33.00B/18.90A #33.00B/18.90A #27.80B/15.50A #27.80B/15.50A #27.80B/15.50A #27.80B/15.50A #27.80B/15.50A #27.50B/14.00A #23.30B/10.30A #11.50B/9.30A #11.80B/6.80A #11.80B/6.80A #11.80B/6.10A #10.60B/5.50A #3.70B/4.50A #7.10B/7.00 #3.20B/ #4.70B/ #4.70B/ #4.70B/ #4.180B/1.50 #1.80B/1.50 #1.80B/1.50 #1.80B/1.90A		149.00	.9788 .9643 .9610 .8697 .7015 .6745 .6465 .5877 .5578 .5276 .4975 .4381 .3540 .3035 .2799 .2574 .2371 .12162 .1987 .1668 .1167 .0865 .0482 .0374			6 63 2 2 66 1 1 1 1 3 7 7 10 7 7 4 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		6 + 6 55 + UNCH 63 + 63 2 UNCH 40 UNCH 1 UNCH 3 - 2 16 UNCH 7 UNCH 3 UNCH 133 UNCH 140 UNCH 26 + 7 201 - 4 177 + 7 16 + 1 6 + 1 6 + 1 100 UNCH 17 UNCH 27 UNCH 28 UNCH 29 + 1 100 UNCH 21 UNCH 22 UNCH 23 UNCH 24 UNCH 25 UNCH 27 UNCH 28 UNCH 29 UNCH 21 UNCH 25 UNCH 25 UNCH 25 UNCH 27 UNCH 28 UNCH 29 UNCH 21 UNCH 25 UNCH 27 UNCH 28 UNCH 29 UNCH 21 UNCH 25 UNCH 25 UNCH 25 UNCH 27 UNCH 28 UNCH 29 UNCH 21 UNCH 25 UNCH 27 UNCH 28 UNCH 27 UNCH 28 UNCH 27 UNCH 28 UNCH 27 UNCH 28 UNCH 27 UNCH 28 UNCH 27 UNCH 28 UNCH 27 UNCH 27 UNCH 27 UNCH 28 UNCH 27
GLOBEX OPEN	OPEN OUTCRY OPEN RANGE  COMEX GOLD OPTI	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
950 975 1000 1020 1050 1150 1150 1175 1200 1250 1250 1360 1375 1360 1375 1380 1400 1410 1420 1445 1440 1445 1450 1500 1510 1520 1520 1520 1530					0.10 UNCH				1 1		192 UNCH 20 UNCH 120 UNCH 120 UNCH 148 UNCH 148 UNCH 169 UNCH 277 UNCH 109 UNCH 109 UNCH 109 UNCH 123 UNCH 1985 UNCH 1242 UNCH 112 UNCH 112 UNCH 112 UNCH 110 UNCH 83 UNCH 1110 UNCH 83 UNCH 1738 UNCH 1738 UNCH 1738 UNCH 110 UNCH 83 UNCH 1738 UNCH 1143 UNCH 165 UNCH 165 UNCH 165 UNCH 165 UNCH 165 UNCH 167 UNCH 177 UNCH 48 UNCH 77 UNCH 48 UNCH 77 UNCH 1614 UNCH 1614 UNCH 77 UNCH 1614 UNCH 1614 UNCH 77 UNCH 1614 UNCH 1614 UNCH 177 UNCH 1614 UNCH 1614 UNCH 177 UNCH 1614 UNCH 1614 UNCH 177 UNCH 1614 UNCH 177 UNCH 1614 UNCH 1614 UNCH 177 UNCH
1535 1540 1545 1550			===== ================================		0.10 UNCH 0.10 UNCH 0.10 UNCH 0.10 UNCH 0.10 UNCH						113 UNCH 130 UNCH 20 UNCH 1098 UNCH

## **METALS OPTIONS PRODUCTS**

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Side 05

_					PRELIMIN							
PG64	BULLET	IN # 9@		M	ETALS OPTION	PRODUCTS				Fri,	Jan 13	, 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	GLOBEX®	PNT	OPEN
	_							CISES	VOLUME	VOLUME	VOLUME	INTEREST
OG PU FEB23		COMEX GOLD OPT				0.10						30
1555 1560						0.10 UNCH 0.10 UNCH						39 UNCH 36 UNCH
1565 1570	0.10	0.10	0.10/0.10 	0.10/0.10		0.10 UNCH 0.10 UNCH				1		54 UNCH 216 UNCH
1575 1580						0.10 UNCH 0.10 UNCH						139 UNCH 181 UNCH
1585 1590						0.10 UNCH 0.10 UNCH 0.10 UNCH						52 UNCH 149 UNCH 108 UNCH
1595 1600						0.10 UNCH 0.10 UNCH 0.10 UNCH				31		108 UNCH 1940 - 25 75 UNCH
1605 1610 1615	0.10	0.10	0.10/0.10	0.10/0.10		0.10 UNCH 0.10 UNCH				1		303 UNCH 144 UNCH
1620 1625						0.10 UNCH 0.10 UNCH						531 UNCH 774 UNCH
1630 1635						0.10 UNCH 0.10 UNCH						217 UNCH 408 UNCH
1640 1645						0.10 UNCH 0.10 UNCH						170 UNCH 67 UNCH
1650 1655						0.10 UNCH 0.10 UNCH	.0000			7		3663 - 2 224 UNCH
1660 1665						0.10 UNCH 0.10 UNCH	.0000					662 UNCH 171 UNCH
1670 1675	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 0.10 UNCH	.0000			1 619		2203 UNCH 3453 - 99
1680 1685						0.10 UNCH 0.10 UNCH	.0000					661 UNCH 314 UNCH
1690 1695						0.10 UNCH 0.10 UNCH	.0001					580 UNCH 158 UNCH
1700 1705	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 0.10 UNCH 0.10 UNCH	.0002 .0002 .0003			3  52		2787 UNCH 204 UNCH 1005 + 6
1710 1715	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		0.10 UNCH 0.10 UNCH 0.10 UNCH	.0003			10 20		1005 + 6 284 + 10 641 - 1
1720 1725 1730	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		0.10 UNCH 0.10 UNCH 0.10 UNCH	.0000			10 6		2344 + 8 537 + 4
1735 1740	0.10	0.10	0.10/0.10	0.10/0.10		0.10 UNCH 0.10 UNCH	.0015			75 7		900 + 25 1172 - 1
1745 1750	0.20	0.20	0.20/0.20	0.20/0.20		0.10 - 0.10 0.10 - 0.10	.0026			2 54		542 UNCH 3832 + 21
1755 1760	0.10	0.10	0.20/*0.10 /0.20A	0.20/*0.10 /0.20A		0.20 - 0.10 0.20 - 0.10	.0063			4 2		671 - 1 536 - 1
1765 1770	0.30	0.30	/*0.20A 0.30/*0.20	/*0.20A 0.30/*0.20		0.20 - 0.10 0.30 - 0.10	.0067			5 102		592 UNCH 751 + 16
1775 1780	0.30 0.30	0.30 0.30	0.30/*0.20 0.30/*0.20A	0.30/*0.20 0.30/*0.20A		0.30 - 0.10 0.30 - 0.20	.0100 .0103			16 24		2110 - 15 946 UNCH
1785 1790	0.50	0.50	0.50/*0.30 /*0.30A	0.50/*0.30 /*0.30A		0.30 - 0.30 0.30 - 0.40	.0106 .0109			6 37		489 UNCH 1133 UNCH
1795 1800	0.50 0.70	0.50 0.70	0.50/*0.30A 0.80/*0.30	0.50/*0.30A 0.80/*0.30		0.40 - 0.40 0.40 - 0.50	.0143 .0148			6 203		133 - 1 2492 + 97
1805 1810	0.50 1.10	0.50 1.10	0.50/*0.40A 1.10/*0.40	0.50/*0.40A 1.10/*0.40		0.50 - 0.60 0.50 - 0.70	.0184 .0191			4		178 UNCH 486 - 1
1815 1820	1.30 1.50	1.30 1.50	1.30/*0.60A 1.60/*0.60A	1.30/*0.60A 1.60/*0.60A		0.60 - 0.90 0.70 - 1.00	.0228 .0268			44 19		363 - 37 1721 + 11
1825 1830	1.90 2.30	1.90 2.30	1.90/*0.80A 2.30/*0.90A	1.90/*0.80A 2.30/*0.90A		0.80 - 1.20 0.90 - 1.50	.0309 .0352			73 70		1525 - 13 615 - 32
1835 1840	2.40 3.00	2.40 3.00	2.40/*1.00A 3.00/*1.10	2.40/*1.00A 3.00/*1.10		1.10 - 1.70 1.30 - 2.00	.0426			446 384		918 + 372 573 + 13
1845 1850	2.50 4.00	2.50 4.00	3.30/*1.40 4.00/*1.70	3.30/*1.40 4.00/*1.70		1.50 - 2.40 1.80 - 2.70	.0582			30 1330	100	143 + 1 2456 + 546
1855 1860	3.00 5.70	3.00 5.70	3.00/*2.00 5.70/*2.30	3.00/*2.00 5.70/*2.30		2.10 - 3.20 2.60 - 3.60	.0807 .0975			34 457		139 + 7 909 + 12
1865 1870	5.90 6.60	5.90 6.60	6.90/*2.80 7.40/*3.50	6.90/*2.80 7.40/*3.50		3.10 - 4.20 3.70 - 4.90	.1147 .1346			253 192		468 - 120 433 + 77
1875 1880	9.20 10.50	9.20 10.50	10.00B/*4.10A 11.80B/*4.90 13.90/*5.80A	10.00B/*4.10A 11.80B/*4.90		4.40 - 5.60 5.30 - 6.30	.15/1			521 105		567 + 229 406 + 15
1885 1890	13.90 11.80	13.90 11.80	16.10B/*6.80A 18.40B/*8.00A	13.90/*5.80A 16.10B/*6.80A 18.40B/*8.00A		6.30 - 7.10 7.40 - 8.10 8.80 - 9.00	.2126			176 83	150	85 + 8 304 + 146
1895 1900	18.00 19.50	18.00 19.50	21.10B/*9.40 23.70B/*11.00A	21.10B/*9.40 23.70B/*11.00A		10.30 - 9.90	.2790			67 567 58		71 + 27 865 + 232 360 + 47
1905 1910	18.20 19.80 23.50	18.20 19.80 23.50	26.50B/*12.80A 29.40B/*14.80A	26.50B/*12.80A 29.40B/*14.80A		12.00 - 11.00 14.00 - 11.90 16.10 - 12.90	.3547 .3960 .4378			237 280		360 + 47 407 + 144 272 + 259
1915 1920 1925	23.90 27.80	23.90 23.90 27.80	32.90B/*17.00A 36.50B/*19.50A	32.90B/*17.00A 36.50B/*19.50A		18.50 - 13.80 21.10 - 14.70	.4804			109 8		107 + 99 122 + 3
1930 1935	42.40	42.40	40.30B/*22.20A 44.30B/*25.10A	40.30B/*22.20A 44.30B/*25.10A		23.90 - 15.60 26.90 - 16.50	.5650			1 2		7 + 1 21 + 2
1940 1945	43.30	43.30	48.40B/*28.20A 52.60B/*31.50A	48.40B/*28.20A 52.60B/*31.50A		30.20 - 17.10 33.60 - 17.80	.6448			1 		8 UNCH 9 UNCH
1950 1955	45.50	45.50	57.00B/*35.00A 61.40B/*38.70A	57.00B/*35.00A 61.40B/*38.70A		37.20 - 18.50 41.00 - 19.00	.7160 .7478			1		72 + 1 4 UNCH
1960 1965			65.90B/*42.50A 70.50B/*46.50A	65.90B/*42.50A 70.50B/*46.50A		45.00 - 19.50 49.00 - 20.00	.7777 .8040					17 UNCH 4 UNCH
1970 1975	52.80	52.80	75.10B/*50.60A 79.80B/*54.80A	75.10B/*50.60A 79.80B/*54.80A		53.20 - 20.40 57.60 - 20.70	.8280 .8497			1 		19 + 1 39 UNCH
1980 1985	83.10 84.40	83.10 84.40	84.60B/*59.20A 89.30B/*63.60A	84.60B/*59.20A 89.30B/*63.60A		62.00 - 21.00 66.50 - 21.20	.8688 .8854			3 1		4 + 3 102 - 1
1990 1995	86.50	86.50	94.10B/*68.10A 98.90B/*72.70A	94.10B/*68.10A 98.90B/*72.70A		71.00 NEW 75.70 - 21.70	.8993 .9104			1 		1 + 1 1 UNCH
2000 2005	88.20	88.20	103.90B/*77.40A 108.70B/*82.00A	108.70B/*82.00A		80.40 - 21.80 85.10 - 22.00	.9210 .9313			4		271 UNCH 5 + 3
2010 2025			113.60B/*86.80A 128.50B/*101.20	128.50B/*101.20A		89.90 - 22.10 104.30 - 22.40	.9389 .9600					1 UNCH 102 UNCH
2050 2070			153.30B/*125.60 173.00B/*145.60	173.00B/*145.60A		128.80 - 22.60 148.60 - 22.70	.9786 .9862					152 UNCH 1 UNCH
2080 2100			183.00B/*155.50 203.10B/*175.20	203.10B/*175.20A		158.50 - 22.80 178.40 - 22.80	.9897					2 UNCH 5 UNCH 5 UNCH
2500 TOTAL			602.50B/575.40A	602.50B/575.40A		578.30 - 22.90	1.0000			6875	250	5 UNCH 82205 + 2096
MAR23 1000						0.10 UNCH						17 UNCH
1075 1100						0.10 UNCH 0.10 UNCH						26 UNCH 10 UNCH
1125 1150						0.10 UNCH 0.10 UNCH						21 UNCH 55 UNCH
1175 1200						0.10 UNCH 0.10 UNCH						277 UNCH 7693 UNCH
1225 1250						0.10 UNCH 0.10 UNCH						95 UNCH 504 UNCH
1275 1300						0.10 UNCH 0.10 UNCH	.0000					130 UNCH 1949 UNCH
1325 1350						0.10 UNCH 0.10 UNCH	.0000					346 UNCH 110 UNCH
1360 1370						0.10 UNCH 0.10 UNCH	.0000					1 UNCH 91 UNCH
1375 1380						0.10 UNCH 0.10 UNCH	.0000					46 UNCH
1390 1400						0.10 UNCH 0.10 UNCH	.0001					66 UNCH 1158 UNCH
1410 1420						0.10 UNCH 0.10 UNCH	.0002					132 UNCH 40 UNCH
1425 1430						0.10 UNCH 0.10 UNCH	.0003					81 UNCH 49 UNCH
1440 1450	0.10	 	  0 10/*0 10	  0 10/*0 10		0.10 UNCH 0.10 UNCH	.0005			 		188 UNCH 440 UNCH
1460 1465	0.10	0.10	0.10/*0.10 	0.10/*0.10		0.10 UNCH 0.10 UNCH	.0009					587 - 1 86 UNCH
1470 1475						0.10 UNCH 0.10 UNCH	.0011					188 UNCH 53 UNCH
1480 1485						0.10 UNCH 0.10 UNCH 0.20 + 0.10	.0014 .0016 .0030					165 UNCH 68 UNCH 41 UNCH
1490 1495						0.20 + 0.10 0.20 UNCH 0.20 UNCH	.0030					30 UNCH 1562 UNCH
1500 1505 1510						0.20 UNCH 0.20 UNCH 0.20 UNCH	.0030					53 UNCH 115 UNCH

## **METALS OPTIONS PRODUCTS**





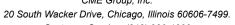
PG64	BULLET:	IN # 9@		MI	ETALS OPTION P	RODUCTS				Fri,	Jan 13	, 2023	PG64
	GLOBEX OPEN	OPEN OUTCRY OPEN RANGE	GLOBEX HIGH/LOW	OPEN OUTCRY HIGH/LOW	OPEN OUTCRY CLOSE RANGE	SETT.PRICE & PT.CHGE.	DELTA	EXER CISES	OPEN OUTCRY VOLUME	GLOBEX® VOLUME	PNT VOLUME	INTE	OPEN REST
OG PU MAR23 1515 1520	T 	COMEX GOLD OPTI	ONS	====		0.20 UNCH 0.20 UNCH	.0032					210 116	UNCH UNCH
1525 1530 1535						0.20 UNCH 0.20 UNCH 0.20 UNCH	.0032 .0033 .0033					217 39 64	UNCH UNCH UNCH
1540 1545						0.20 UNCH 0.20 UNCH 0.20 UNCH	.0034 .0034 .0034					35 11 220	UNCH UNCH UNCH
1550 1555 1560						0.20 UNCH 0.20 UNCH	.0035			 7 		36 285 - 71	UNCH 4
1565 1570 1575	0.20	0.20	0.20/*0.20	0.20/*0.20		0.20 UNCH 0.20 UNCH	.0036 .0037			1 5		465 585	UNCH UNCH UNCH
1580 1585 1590	0.20 	0.20 	0.20/*0.20 	0.20/*0.20		0.20 UNCH 0.20 UNCH 0.20 UNCH	.0037 .0038 .0038			33 1 		231 + 63 - 207	29 1 UNCH
1595 1600 1605	0.20	0.20	0.20/*0.20	0.20/*0.20		0.20 UNCH 0.20 - 0.10 0.30 UNCH	.0039 .0039 .0056			43		171 6420 97	UNCH UNCH UNCH
1610 1615 1620	0.20  0.20	0.20  0.20	0.20/*0.20  0.20/*0.20	0.20/*0.20  0.20/*0.20		0.30 UNCH 0.30 UNCH 0.30 UNCH	.0057 .0058 .0058			2  43		60 103 151 +	UNCH UNCH 40
1625 1630 1635	0.30	0.30	0.30/*0.30 /*0.30A /*0.30A	0.30/*0.30 /*0.30A /*0.30A		0.30 UNCH 0.30 - 0.10 0.30 - 0.10	.0059 .0060 .0061			40 		277 + 587 478	38 UNCH UNCH
1640 1645 1650	0.30 0.20 0.50	0.30 0.20 0.50	0.30/*0.30 0.20/*0.20 0.50/*0.30	0.30/*0.30 0.20/*0.20 0.50/*0.30		0.30 - 0.10 0.40 UNCH 0.40 - 0.10	.0062 .0080 .0081			3 39 31		236 + 151 + 3399 -	2 37 1
1655 1660	0.50 0.40 0.40	0.50 0.40 0.40	0.50/*0.30 0.40/*0.40 0.40/*0.40	0.50/*0.30 0.40/*0.40 0.40/*0.40		0.40 - 0.10 0.40 - 0.10 0.40 - 0.20	.0082 .0083 .0085			82 3 18		142 + 59 188	63 UNCH UNCH
1665 1670 1675	0.50	0.50	/*0.50A 0.50/*0.50	/*0.50A 0.50/*0.50		0.50 - 0.10 0.50 - 0.20	.0103 .0105			9 24		116 - 315 -	3 2
1680 1685 1690	0.80  0.90	0.80  0.90	0.80/*0.50A /*0.50A 0.90/*0.60A	0.80/*0.50A /*0.50A 0.90/*0.60A		0.50 - 0.20 0.60 - 0.20 0.60 - 0.30	.0107 .0125 .0128			2 52 13		1519 135 + 540 +	UNCH 47 11
1695 1700 1705	0.70 0.90 0.70	0.70 0.90 0.70	0.70/*0.60 0.90/*0.70 0.70/*0.70	0.70/*0.60 0.90/*0.70 0.70/*0.70		0.70 - 0.20 0.70 - 0.30 0.70 - 0.40	.0146 .0149 .0152			6 118 16		112 - 2930 - 43 +	6 11 3
1710 1715 1720	0.80  1.40	0.80  1.40	0.80/*0.80 /*0.80A 1.40/*0.90	0.80/*0.80 /*0.80A 1.40/*0.90		0.80 - 0.40 0.90 - 0.40 0.90 - 0.50	.0172 .0191 .0195			5 36 4		92 + 97 + 145 +	1 24 1
1725 1730 1735	1.30	1.30 1.50	1.30/*1.00 1.50/*1.00 /*1.10A	1.30/*1.00 1.50/*1.00 /*1.10A		1.00 - 0.50 1.10 - 0.60 1.20 - 0.60	.0215 .0236 .0257			20 14 2		4766 - 49 - 69 -	1 2 1
1740 1745	1.80 1.60 2.00	1.80 1.60 2.00	1.80/*1.10 1.60/*1.30A 2.10/*1.40	1.80/*1.10 1.60/*1.30A 2.10/*1.40		1.30 - 0.70 1.40 - 0.70 1.50 - 0.80	.0278 .0300			19 3 290		270 421 + 1707 -	UNCH 3 52
1750 1755 1760	1.50 1.60	1.50 1.60	1.50/*1.50 1.60/*1.60	1.50/*1.50 1.60/*1.60		1.60 - 0.90 1.70 - 1.00	.0322 .0344 .0368			4 4		236 218 -	UNCH 3
1765 1770 1775	2.60 2.50 3.00	2.60 2.50 3.00	2.80B/*1.80A 2.50/*2.00A 3.10/*2.20A	2.80B/*1.80A 2.50/*2.00A 3.10/*2.20A		1.90 - 1.00 2.10 - 1.10 2.20 - 1.30	.0407 .0446 .0472			12 18 48		47 - 464 + 1213 -	7 15 20
1780 1785 1790	3.40 3.00 3.90	3.40 3.00 3.90	3.40/*2.40A 3.00/*2.60A 4.20/*2.80A	3.40/*2.40A 3.00/*2.60A 4.20/*2.80A		2.40 - 1.40 2.70 - 1.40 2.90 - 1.60	.0513 .0569 .0611			4 4 45		100 + 213 102 +	3 UNCH 25
1795 1800 1805	4.50 5.00 4.70	4.50 5.00 4.70	4.50/*3.10A 5.20/*3.30 4.70/*3.70	4.50/*3.10A 5.20/*3.30 4.70/*3.70		3.20 - 1.70 3.50 - 1.80 3.80 - 2.00	.0669 .0727 .0786			4 2488 8	400	84 - 4624 + 50 +	1585 5
1810 1815 1820	5.80 6.10 7.20	5.80 6.10 7.20	5.80/*4.00A 6.10/*4.40 7.30/*4.80	5.80/*4.00A 6.10/*4.40 7.30/*4.80		4.20 - 2.10 4.60 - 2.30 5.00 - 2.50	.0859 .0934 .1009			630 9 208		1024 + 283 - 487 -	572 3 54
1825 1830	6.50 8.00 9.70	6.50 8.00 9.70	6.50/*5.30 8.00/*5.80A 9.70/*6.40	6.50/*5.30 8.00/*5.80A 9.70/*6.40		5.50 - 2.70 6.00 - 3.00 6.60 - 3.20	.1098 .1188 .1290			35 33 162		290 - 256 - 144 -	1 7 42
1835 1840 1845	10.10 7.90	10.10 7.90	10.10/*7.00 11.80B/*7.60A	10.10/*7.00 11.80B/*7.60A		7.30 - 3.40 7.90 - 3.80	.1404 .1509			74 16		307 + 66 +	27 2
1850 1855 1860	12.20 13.30 14.60	12.20 13.30 14.60	13.00/*8.30 14.10B/*9.10 15.40B/*10.00	13.00/*8.30 14.10B/*9.10 15.40B/*10.00		9.50 - 4.50 10.50 - 4.70	.1636 .1763 .1910			2185 38 78		2543 + 237 + 169 +	1285 27 31
1865 1870 1875	16.10 18.40 19.30	16.10 18.40 19.30	16.80B/*11.00A 18.40/*12.00A 19.90B/*13.10A	16.80B/*11.00A 18.40/*12.00A 19.90B/*13.10A		11.40 - 5.20 12.50 - 5.60 13.70 - 6.00	.2050 .2206 .2371			36 33 471	100	60 + 333 - 506 +	20 2 135
1880 1885 1890	18.00 18.50 24.70	18.00 18.50 24.70	21.70B/*14.30 23.70B/*15.60A 25.70B/*17.00A	21.70B/*14.30 23.70B/*15.60A 25.70B/*17.00A		14.90 - 6.50 16.30 - 6.90 17.70 - 7.50	.2537 .2717 .2898			22 9 4		131 + 301 + 71	11 2 UNCH
1895 1900 1905	24.70 25.20 26.50	24.70 25.20 26.50	27.90B/*18.50A 30.10B/*20.10A 32.50B/*21.90A	27.90B/*18.50A 30.10B/*20.10A 32.50B/*21.90A		19.30 - 7.90 21.00 - 8.40 22.80 - 8.90	.3089 .3286 .3487			13 72 15		74 + 963 + 26 +	4 29 4
1910 1915 1920	29.20 30.00 33.20	29.20 30.00 33.20	35.10B/*23.70A 37.70B/*25.60A 40.50B/*27.70A	35.10B/*23.70A 37.70B/*25.60A 40.50B/*27.70A		24.60 - 9.50 26.70 - 9.90 28.80 - 10.50	.3688 .3899 .4109			263 7 45		256 + 84 + 85 +	228 4 20
1925 1930 1935	42.60 38.10 37.40	42.60 38.10 37.40	43.00B/*29.90A 46.00B/*32.10A 49.00B/*34.50A	43.00B/*29.90A 46.00B/*32.10A 49.00B/*34.50A		31.00 - 11.10 33.40 - 11.50 35.90 - 12.00	.4321 .4535 .4749			542 10 107		353 + 26 + 118 +	333 3 82
1940 1945	37.40	37.40 	52.00B/*37.10A 55.30B/*39.70A 58.40B/*42.50A	52.00B/*37.10A 55.30B/*39.70A 58.40B/*42.50A		38.40 - 12.60 41.10 - 13.10	.4963 .5175			8 49 9		98 + 53 +	6 49 9
1950 1955 1960			61.80B/*45.40A 65.40B/*48.40A	61.80B/*45.40A 65.40B/*48.40A		46.90 - 14.00 49.90 - 14.50	.5385 .5591 .5796			1		11 + 19	1 UNCH
1965 1970 1975			69.00B/*51.50A 72.80B/*54.60A 76.60B/*57.90A	69.00B/*51.50A 72.80B/*54.60A 76.60B/*57.90A		53.10 - 14.90 56.30 - 15.30 59.70 - 15.70	.5994 .6191 .6379					13 11 7	UNCH UNCH UNCH
1980 1985 1990			80.50B/*61.30A 84.50B/*64.70A 88.50B/*68.30A	80.50B/*61.30A 84.50B/*64.70A 88.50B/*68.30A		63.10 - 16.10 66.60 - 16.50 70.30 - 16.80	.6562 .6743 .6912					5 24 16	UNCH UNCH UNCH
1995 2000 2005			92.60B/*72.00A 96.80B/*75.70A 101.00B/*79.50A	92.60B/*72.00A 96.80B/*75.70A 101.00B/*79.50A		74.00 - 17.20 77.80 - 17.50 81.60 - 17.90	.7079 .7239 .7390			108		18 111 + 20	UNCH 93 UNCH
2010 2015 2020			105.30B/*83.40A 109.70B/*87.30A 114.00B/*91.40A	105.30B/*83.40A 109.70B/*87.30A 114.00B/*91.40A		85.60 - 18.10 89.60 - 18.40 93.70 - 18.70	.7534 .7675 .7807					18 13 11	UNCH UNCH UNCH
2025 2030 2035			118.50B/*95.50A 122.90B/*99.60A 127.50B/*103.80	118.50B/*95.50A		97.80 - 19.00 102.00 - 19.20 106.30 - 19.40	.7938 .8051 .8170					25 3 0	UNCH UNCH UNCH
2040 2045 2050			132.00B/*108.10 136.60B/*112.40 141.20B/*116.70	132.00B/*108.10A 136.60B/*112.40A 141.20B/*116.70A		110.60 - 19.60 114.90 - 19.80 119.30 - 20.00	.8270 .8378 .8476					6 5 52	UNCH UNCH UNCH
2055 2075			145.80B/*121.20 164.60B/*139.20 183.60B/*157.80	145.80B/*121.20A 164.60B/*139.20A 183.60B/*157.80A		123.80 - 20.10 141.90 - 20.80 160.50 - 21.20	.8561 .8871 .9119					9 14 1	UNCH UNCH UNCH
2095 2100 2125			188.60B/*162.40 212.90B/*186.10	188.60B/*162.40A 212.90B/*186.10A		165.20 - 21.30 189.00 - 21.80	.9160 .9382					3 4	UNCH UNCH
2150 2175 2200			237.40B/*210.30 262.00B/*234.70 286.80B/*259.30	237.40B/*210.30A 262.00B/*234.70A 286.80B/*259.30A		213.20 - 22.10 237.60 - 22.30 262.20 - 22.50	.9538 .9641 .9723					10 7 8	UNCH UNCH UNCH
2400 TOTAL			485.80B/458.90A	485.80B/458.90A		461.50 - 23.00	.9961			8916	500	4 62521+	UNCH 4683
APR23 1100 1125						0.10 UNCH 0.10 UNCH						112 11	UNCH
1150 1175 1200						0.10 UNCH 0.10 UNCH 0.10 UNCH						60 197 2083	UNCH UNCH UNCH
1225 1250 1275						0.10 UNCH 0.10 UNCH 0.10 UNCH	.0000					1 230 37	UNCH UNCH UNCH
1300 1325 1350						0.10 UNCH 0.10 UNCH 0.10 - 0.10	.0000 .0001 .0002			1 		510 71 510	UNCH UNCH UNCH
1360 1370 1375						0.10 - 0.10 0.10 - 0.10 0.10 - 0.10 0.10 - 0.10	.0002 .0003 .0004					239 1 112	UNCH UNCH UNCH
1380 1390 1400						0.10 - 0.10 0.10 - 0.10 0.10 - 0.10 0.10 - 0.10	.0004 .0005 .0007					14 2 311	UNCH UNCH UNCH

## **METALS OPTIONS PRODUCTS**

64 Side 07

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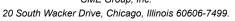
		" 00			PRELIIV						- 12	2022 7554
PG6	GLOBEX	OPEN OUTCRY	GLOBEX	OPEN OUTCRY	OPEN OUTC	ION PRODUCTS  RY SETT.PRICE			OPEN	Fr1,	Jan 13,	, 2023 PG64
	OPEN	OPEN RANGE	HIGH/LOW	HIGH/LOW	CLOSE RANG	GE & PT.CHGE.	DELTA	EXER CISES	OUTCRY VOLUME	GLOBEX® VOLUME		OPEN INTEREST
OG P APR2 1410	23	COMEX GOLD OPT	FIONS			0.10 - 0.10	.0009					70 UNCH
1420 1425 1430	) 5					$ \begin{array}{rrrrr} 0.10 & - & 0.10 \\ 0.10 & - & 0.10 \\ 0.10 & - & 0.10 \end{array} $	.0011 .0013 .0014					3 UNCH 304 UNCH 19 UNCH
1440 1450	) )					0.20 - 0.10 0.20 - 0.10 0.20 - 0.10	.0026 .0027 .0028					51 UNCH 90 UNCH 131 UNCH
1460 1465 1470	, )					0.20 - 0.10 0.20 - 0.10	.0028					5 UNCH 102 UNCH
1475 1480 1485	) 5					0.20 - 0.10 0.20 - 0.10 0.20 - 0.10	.0028 .0029 .0029			7 		562 + 7 115 UNCH 33 UNCH
1490 1500 1505	0.30	0.30 0.30	/*0.30A 0.30/0.30 0.30/*0.30	/*0.30A 0.30/0.30 0.30/*0.30		0.30 - 0.10 0.30 - 0.10 0.30 - 0.10	.0041 .0042 .0043			5 40		87 UNCH 1590 - 2 42 + 40
1510 1515 1520	5	0.30  0.40	0.30/*0.30  0.40/*0.30	0.30/*0.30  0.40/*0.30		$\begin{array}{cccc} 0.30 & - & 0.10 \\ 0.30 & - & 0.10 \\ 0.40 & - & 0.10 \end{array}$	.0043 .0044 .0056			11  6		24 UNCH 141 UNCH 18 + 2
1525 1530 1535	0.40 0.40	0.40 0.40	0.40/*0.30 0.40/*0.40 /*0.40A	0.40/*0.30 0.40/*0.40 /*0.40A		$\begin{array}{cccc} 0.40 & - & 0.10 \\ 0.40 & - & 0.10 \\ 0.40 & - & 0.10 \end{array}$	.0057 .0058 .0058			110 40		152 + 108 47 + 40 61 UNCH
1540 1545 1550	0.50	0.50 	0.50/*0.30 /*0.40A /*0.50A	0.50/*0.30 /*0.40A /*0.50A		$\begin{array}{cccc} 0.40 & - & 0.10 \\ 0.50 & - & 0.10 \\ 0.50 & - & 0.10 \end{array}$	.0059 .0072 .0073			35  4		105 + 35 17 UNCH 665 UNCH
1555 1560 1565	0.40 0.60	0.40 0.60	0.40/*0.40 0.60/*0.50A /*0.50A	0.40/*0.40 0.60/*0.50A /*0.50A		0.50 - 0.10 0.50 - 0.20 0.60 - 0.10	.0074 .0075 .0087			100		114 + 100 19 - 1 11 UNCH
1570 1575	) 5	 0.70	/*0.60A /*0.60A 0.70/*0.60A	/*0.60A /*0.60A 0.70/*0.60A		0.60 - 0.10 0.60 - 0.20 0.60 - 0.20	.0089 .0090 .0091			 4 1		49 UNCH 435 UNCH 42 UNCH
1580 1585 1590	; ; ;		/*0.60A /*0.70A /*0.70A	/*0.60A /*0.70A /*0.70A		0.70 - 0.20 0.70 - 0.20	.0104 .0106					31 UNCH 101 UNCH
1595 1600 1605	1.00 0.80	1.00	1.00/*0.70 0.80/*0.80	1.00/*0.70 0.80/*0.80		0.80 - 0.30 0.80 - 0.30	.0119 .0120 .0122			1 47 1		50 - 1 1663 - 23 32 + 1
1610 1615 1620	0.80 1.10	1.00 0.80 1.10	1.00/*0.80 0.80/*0.80 1.10/*0.90	1.00/*0.80 0.80/*0.80 1.10/*0.90		0.90 - 0.30 0.90 - 0.40 1.00 - 0.30	.0136 .0138 .0152			4 3 7		74 - 4 13 + 3 109 + 4
1625 1630 1635	1.30	1.30 1.30	1.30/*1.00 1.30/*1.10A /*1.10A	1.30/*1.00 1.30/*1.10A /*1.10A		1.10 - 0.30 1.10 - 0.40 1.20 - 0.40	.0165 .0168 .0182			8 36 		445 UNCH 161 - 25 3 UNCH
1640 1645 1650	5	1.50  1.60	1.50/*1.20A /*1.30A 1.60/*1.30A	1.50/*1.20A /*1.30A 1.60/*1.30A		1.30 - 0.40 1.30 - 0.50 1.40 - 0.50	.0196 .0199 .0214			1 3 7		35 UNCH 46 + 2 1571 + 1
1655 1660 1665	·	 1.60	/*1.40A /*1.50A 1.60/*1.60	/*1.40A /*1.50A 1.60/*1.60		1.50 - 0.50 1.60 - 0.50 1.70 - 0.60	.0229 .0244 .0259			3 6 3		26 + 2 549 + 2 44 + 3
1670 1675 1680	2.00	2.00 2.20	/*1.70A 2.00/*1.80A 2.20/*1.90A	/*1.70A 2.00/*1.80A 2.20/*1.90A		1.80 - 0.60 1.90 - 0.60 2.00 - 0.70	.0274 .0290 .0306			1 7 7		43 + 1 232 + 3 115 + 2
1685 1690 1695	2.60 2.50	2.60	2.60/*2.10A 2.50/*2.20 /*2.30A	2.60/*2.10A 2.50/*2.20 /*2.30A		2.10 - 0.80 2.30 - 0.70 2.40 - 0.80	.0322 .0349 .0366			7 89 1		77 + 2 103 - 24 87 UNCH
1700 1705	3.20 3.50	3.20 3.50 3.60	3.20/*2.50 3.50/*2.60 3.60/*2.90A	3.20/*2.50 3.50/*2.60 3.60/*2.90A		2.60 - 0.80 2.70 - 0.90 2.90 - 1.00	.0394 .0411 .0440			1179 10 3		1959 + 868 211 - 1 1025 UNCH
1710 1715 1720	3.50	3.50	3.50/2.30A 3.50/*3.00A /*3.20A 3.70/*3.40A	3.50/*3.00A /*3.20A 3.70/*3.40A		3.10 - 1.00 3.30 - 1.10	.0469			2 1		265 + 2 56 + 1
1725 1730 1735	4.10	3.70 4.10 	4.10/*3.70A /*3.90A	4.10/*3.70A /*3.90A		3.70 - 1.30 4.00 - 1.30	.0528 .0558 .0599			10 2 14		314 + 3 178 + 2 53 + 14
1740 1745 1750	5.10 5.70	5.10 5.10 5.70	5.10/*4.20 5.10/*4.50A 5.70/*4.70	5.10/*4.20 5.10/*4.50A 5.70/*4.70		4.30 - 1.30 4.50 - 1.50 4.90 - 1.50	.0640 .0672 .0723			14 2 125		183 + 6 54 + 1 1577 + 37
1755 1760 1765	6.30 7.60	6.30 7.60	/*5.10A 6.30/*5.40A 7.60/*5.80A	/*5.10A 6.30/*5.40A 7.60/*5.80A		5.20 - 1.60 5.50 - 1.80 5.90 - 1.90	.0766 .0809 .0862			1 4 6		51 + 1 61 UNCH 23 + 6
1770 1775 1780	8.10 9.10	7.50 8.10 9.10	8.40B/*6.20A 9.00B/*6.60A 9.60B/*7.10A	8.40B/*6.20A 9.00B/*6.60A 9.60B/*7.10A		6.30 - 2.00 6.80 - 2.10 7.20 - 2.30	.0916 .0979 .1034			19 34		117 UNCH 368 + 4 276 + 33
1785 1790 1795	9.50 5 10.50	9.50 10.50	/*7.60A 11.00B/*8.10A 11.70B/*8.70A	/*7.60A 11.00B/*8.10A 11.70B/*8.70A		7.70 - 2.50 8.30 - 2.60 8.90 - 2.70	.1099 .1172 .1246			1 20 16		131 + 1 172 + 7 91 + 3
1800 1805 1810	11.00	12.40 11.00 12.20	12.50B/*9.20 13.40B/*9.90A 14.30B/*10.60A	12.50B/*9.20 13.40B/*9.90A 14.30B/*10.60A		9.50 - 2.90 10.10 - 3.20 10.80 - 3.40	.1320 .1395 .1479			1364 14 29	450 	2099 + 1121 279 - 1 226 + 8
1815 1820 1825	13.00 13.70	13.00 13.70 13.00	15.30B/*11.30A 16.30B/*12.10A 17.40B/*13.00	15.30B/*11.30A 16.30B/*12.10A 17.40B/*13.00		11.60 - 3.60 12.40 - 3.80 13.30 - 4.00	.1570 .1662 .1761			17 9 81		214 + 16 658 + 4 370 + 10
1830 1835 1840	15.00 16.00	15.00 16.00 20.80	18.60B/*13.90A 19.90B/*14.80A 21.30B/*15.80A	18.60B/*13.90A 19.90B/*14.80A 21.30B/*15.80A		14.20 - 4.30 15.20 - 4.50 16.20 - 4.80	.1861 .1967 .2074			1 69 13		229 - 1 350 + 63 64 + 4
1845 1850 1855	23.10	23.10 21.00	22.70B/*16.90A 24.10B/*18.00A 25.80B/*19.20A	22.70B/*16.90A 24.10B/*18.00A 25.80B/*19.20A		17.30 - 5.10 18.50 - 5.40 19.70 - 5.70	.2188 .2307 .2427			929 4		87 UNCH 1507 + 293 337 + 4
1860 1865 1870	26.10 25.50	26.10 25.50 29.90	27.50B/*20.50A 29.30B/*21.80A 31.10B/*23.20A	27.50B/*20.50A 29.30B/*21.80A 31.10B/*23.20A		21.00 - 6.10 22.40 - 6.40 23.90 - 6.70	.2552 .2683 .2817			63 11 30	735 	859 + 659 111 + 9 132 + 15
1875 1880	25.40 34.10	25.40 34.10 35.90	33.10B/*24.70A 35.10B/*26.30A 37.30B/*27.90A	33.10B/*24.70A 35.10B/*26.30A 37.30B/*27.90A		25.40 - 7.00 27.10 - 7.30 28.70 - 7.70	.2952 .3094 .3233			28 234 1		147 + 16 340 + 212 323 UNCH
1885 1890 1895	30.10	30.10  38.70	39.50B/*29.60A 41.80B/*31.50A 44.10B/*33.40A	39.50B/*29.60A 41.80B/*31.50A		30.50 - 8.10 32.40 - 8.40	.3379 .3527			10 7 171		368 + 9 12 + 7
1900 1905 1910	39.20 39.20 39.20	39.20 43.00	46.50B/*35.30A 49.10B/*37.40A	44.10B/*33.40A 46.50B/*35.30A 49.10B/*37.40A		36.40 - 9.10 38.50 - 9.50	.3675 .3827 .3979			17 132 5		55 + 10 172 + 115
1915 1920 1925	52.50 44.50	50.10 52.50 44.50	51.70B/*39.60A 54.40B/*41.80A 57.40B/*44.10A	51.70B/*39.60A 54.40B/*41.80A 57.40B/*44.10A		40.70 - 9.80 43.00 - 10.20 45.40 - 10.50	.4132 .4287 .4441			19 40		$     \begin{array}{r}       10 + 1 \\       19 + 17 \\       58 + 22 \\       \hline     \end{array} $
1930 1935 1940	5 53.70 5 61.20	51.10 53.70 61.20	59.80B/*46.50A 62.70B/*49.00A 65.80B/*51.60A	59.80B/*46.50A 62.70B/*49.00A 65.80B/*51.60A		47.80 - 11.00 50.40 - 11.30 53.00 - 11.70	.4596 .4750 .4904			230 15 5	525	297 + 217 19 + 13 530 + 526
1945 1950 1955	63.20	55.00 63.20 70.40	68.90B/*54.30A 71.90B/*57.10A 75.20B/*59.90A	68.90B/*54.30A 71.90B/*57.10A 75.20B/*59.90A		55.70 - 12.00 58.50 - 12.40 61.30 - 12.80	.5058 .5209 .5360			1 2 8		9 + 1 20 + 2 9 + 6
1960 1965 1970	5		78.50B/*62.90A 82.00B/*65.90A 85.30B/*69.00A	78.50B/*62.90A 82.00B/*65.90A 85.30B/*69.00A		64.30 - 13.10 67.30 - 13.40 70.40 - 13.80	.5508 .5656 .5799			171		6 UNCH 235 + 163 13 UNCH
1975 1980 1985	)		88.90B/*72.10A 92.50B/*75.30A 96.20B/*78.60A	88.90B/*72.10A 92.50B/*75.30A 96.20B/*78.60A		73.60 - 14.10 76.90 - 14.40 80.20 - 14.70	.5942 .6081 .6219			3		29 UNCH 16 + 3 8 UNCH
1990 1995 2000	90.80	90.80 93.30	99.90B/*82.00A 103.70B/*85.40A 107.60B/*88.90A	99.90B/*82.00A 103.70B/*85.40A		83.60 - 15.00 87.00 - 15.40 90.60 - 15.60	.6351 .6482 .6612			7 7		10 UNCH 47 + 5 27 + 5
2005 2010 2015	; )		111.50B/*92.40A 115.50B/*96.00A 119.50B/*99.70A	111.50B/*92.40A 115.50B/*96.00A		94.20 - 15.90 97.80 - 16.20 101.50 - 16.50	.6738 .6859 .6975					12 UNCH 26 UNCH 21 UNCH
2020 2025 2030	) 5	117.30	123.60B/*103.40 127.70B/*107.20 131.90B/*111.00	123.60B/*103.40A 127.70B/*107.20A		101.30 - 10.30 105.30 - 16.70 109.10 - 17.00 113.00 - 17.20	.7090 .7204 .7313			171 2		43 UNCH 243 + 171 19 UNCH
2035 2040	125.30	125.30	136.10B/*114.90 140.30B/*118.90	136.10B/*114.90A 140.30B/*118.90A		113.00 - 17.20 116.90 - 17.50 120.90 - 17.70 124.90 - 17.90	.7416 .7518			 2		11 UNCH 12 UNCH
2045 2050 2055	) 5		144.60B/*122.90 148.90B/*126.90 153.20B/*131.00	148.90B/*126.90A 153.20B/*131.00A		129.00 - 18.10 133.10 - 18.30	.7613 .7708 .7802					19 UNCH 18 UNCH
2060 2065 2070	)		157.60B/*135.10 162.00B/*139.30 166.50B/*143.50	162.00B/*139.30A 166.50B/*143.50A		137.30 - 18.50 141.50 - 18.70 145.70 - 18.90	.7889 .7976 .8055					22 UNCH 12 UNCH 16 UNCH
2075 2080 2085	) 5		171.00B/*147.70 175.50B/*152.00 180.00B/*156.30	175.50B/*152.00A 180.00B/*156.30A		150.00 - 19.00 154.30 - 19.20 158.60 - 19.40	.8134 .8212 .8283					10 UNCH 5 UNCH 8 UNCH
2090 2095 2100	)		184.50B/*160.70 189.10B/*165.10 193.70B/*169.50	189.10B/*165.10A 193.70B/*169.50A		163.00 - 19.50 167.40 - 19.70 171.80 - 19.90	.8353 .8422 .8483					7 UNCH 11 UNCH 16 UNCH
2105 2110 2115	)		198.30B/*173.90 202.90B/*178.40	198.30B/*173.90A		176.30 - 20.00 180.80 - 20.10 185.30 - 20.20	.8544 .8604 .8663					15 UNCH 6 UNCH 3 UNCH
	TNEODWATTON											

## **METALS OPTIONS PRODUCTS**

Side 08

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



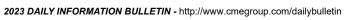




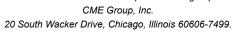
PG6	4 BULLET	IN # 9@		ME	TALS OPTION					Fri,	Jan 13,	, 2023 PG64
	GLOBEX OPEN	OPEN OUTCRY OPEN RANGE	GLOBEX HIGH/LOW	OPEN OUTCRY HIGH/LOW	OPEN OUTCRY CLOSE RANGE	SETT.PRICE & PT.CHGE.	DELTA	EXER CISES	OPEN OUTCRY VOLUME	GLOBEX® VOLUME		OPEN INTEREST
OG P APR2	3	COMEX GOLD OPTI		212 200 /*107 404		100 00 20 40	0714					
2120 2125 2130 2135			216.90B/*192.00	212.30B/*187.40A 216.90B/*192.00A 221.20B/*196.60A 226.00B/*201.10A		189.80 - 20.40 194.40 - 20.50 199.00 - 20.50 203.60 - 20.70	.8714 .8765 .8815 .8864					2 UNCH 8 UNCH 4 UNCH 1 UNCH
2140 2150 2170			230.60B/*205.80 240.60B/*215.00 259.20B/*234.30	230.60B/*205.80A 240.60B/*215.00A 259.20B/*234.30A		208.20 - 20.80 217.50 - 21.00 236.40 - 21.20	.8905 .8994 .9140					1 UNCH 24 UNCH 6 UNCH
2175 2200 2225			226.008/*201.10 230.608/*201.10 230.608/*215.00 259.208/*234.30 264.608/*238.50 288.808/*262.30 313.108/*286.40	264.60B/*238.50A 288.80B/*262.30A 313.10B/*286.40A		241.10 - 21.30 265.00 - 21.60 289.10 - 21.80	.9177 .9316 .9429					4 UNCH 83 UNCH 6 UNCH
2250 2275 2300			362.30B/*335.10 387.00B/359.70A	362.30B/*335.10A 387.00B/359.70A		313.40 - 22.00 337.90 - 22.20 362.40 - 22.40	.9526 .9599 .9669					18 UNCH 2 UNCH 23 UNCH
2350 2400 3000			486.40B/458.70A	436.60B/409.10A 486.40B/458.70A 1085.00B/*1059.30A		411.90 - 22.60 461.60 - 22.90 1061.50 - 23.00	.9760 .9835 1.0000			 6001	  1,710	1 UNCH 37 UNCH 6 UNCH 33716 + 5066
TOTA MAY2 1050	3					0.10 UNCH						3 UNCH
1200 1300 1325						0.10 UNCH 0.10 - 0.10 0.10 - 0.10 0.20 - 0.10	.0000 .0007 .0012 .0022					50 UNCH 27 UNCH 38 UNCH 155 UNCH
1350 1375 1380						0.20 - 0.10 0.20 - 0.10 0.20 - 0.10 0.20 - 0.10	.0022 .0023 .0023					50 UNCH 2 UNCH
1390 1400 1410						0.30 UNCH 0.30 - 0.10 0.30 - 0.10	.0034					16 UNCH 150 UNCH 131 UNCH 140 UNCH
1420 1425 1430 1450		 0.40	 0.40/0.40	 0.40/0.40		0.30 - 0.10 0.30 - 0.10 0.40 - 0.10	.0036 .0036 .0048			 1		127 UNCH 1 UNCH 6 UNCH
1470 1475 1480	0.50	0.50	0.50/*0.50 /*0.50A	0.50/*0.50 /*0.50A		0.50 UNCH 0.50 - 0.10 0.50 - 0.10	.0060 .0061 .0061			5		1 UNCH 27 UNCH 2 UNCH
1490 1500 1505		 0.60	/0.60A 0.60/*0.60	/0.60A 0.60/*0.60		0.60 UNCH 0.60 - 0.10 0.60 NEW	.0073 .0074 .0075			  3		7 UNCH 127 UNCH 3 + 3
1510 1515 1520			/*0.70A /*0.70A	/*0.70A /*0.70A		0.70 UNCH 0.70 - 0.10 0.70 - 0.10	.0086 .0087 .0088					54 UNCH 1 UNCH 27 UNCH
1525 1530 1540			/*0.80A /*0.80A /*0.90A	/*0.80A /*0.80A /*0.90A /*0.90A		0.70 - 0.20 0.80 - 0.10 0.80 - 0.20	.0089 .0100 .0102					15 UNCH 10 UNCH 13 UNCH
1545 1550 1555			/*0.90A /*0.90A /*1.00A /*1.00A	/*0.90A /*0.90A /*1.00A /*1.00A		$\begin{array}{cccc} 0.90 & - & 0.10 \\ 0.90 & - & 0.20 \\ 1.00 & - & 0.20 \\ 1.00 & - & 0.20 \end{array}$	.0113 .0114 .0126 .0127					3 UNCH 73 UNCH 25 UNCH
1560 1565 1570 1575			/*1.10A /*1.10A /*1.10A /*1.20A	/*1.10A /*1.10A /*1.10A /*1.20A		1.10 - 0.20 1.10 - 0.20 1.10 - 0.20 1.20 - 0.20	.0139 .0140 .0152					31 UNCH 2 UNCH 65 UNCH 7 UNCH
1580 1585 1590		 1.30	/*1.20A /*1.30A 1.30/*1.30	/*1.20A /*1.30A 1.30/*1.30		1.20 - 0.30 1.30 - 0.30 1.30 - 0.30	.0154 .0165 .0167			 1		46 UNCH 10 UNCH 36 + 1
1595 1600 1605	1.50	1.50	/*1.40A 1.50/*1.50 /*1.60A	/*1.40A 1.50/*1.50 /*1.60A		1.40 - 0.30 1.50 - 0.30 1.50 - 0.40	.0179 .0191 .0194			3		2 UNCH 29 - 2 2 UNCH
1610 1615 1620			/*1.70A /*1.70A /*1.80A	/*1.70A /*1.70A /*1.80A		$egin{array}{cccccccccccccccccccccccccccccccccccc$	.0206 .0218 .0231					61 UNCH 1 UNCH 22 UNCH
1625 1630 1635			/*1.90A /*2.00A /*2.10A	/*1.90A /*2.00A /*2.10A		1.90 - 0.40 2.00 - 0.50 2.10 - 0.50	.0243 .0256 .0269			2 16 		132 + 2 71 + 12 2 UNCH
1640 1645 1650	2.40	2.50 2.40	/*2.20A 2.50/*2.30A 2.40/*2.40 /*2.60A	/*2.20A 2.50/*2.30A 2.40/*2.40 /*2.60A		2.20 - 0.50 2.30 - 0.60 2.50 - 0.60	.0282 .0295 .0318			8 2		6 UNCH 11 + 8 690 - 2
1655 1660 1665	3.00	3.00  3.50	3.00/*2.70A /*2.90A 3.90/*3.00A	3.00/*2.70A /*2.90A 3.90/*3.00A		2.60 - 0.60 2.70 - 0.70 2.90 - 0.70 3.00 - 0.80	.0331 .0345 .0368 .0383			26 7 12 7		39 - 9 21 + 1 48 - 3 10 + 3
1670 1675 1680 1685			/*3.20A /*3.30A /*3.50A	/*3.20A /*3.30A /*3.50A		3.20 - 0.80 3.40 - 0.80 3.60 - 0.90	.0406 .0430 .0454			1 3		199 - 1 39 + 3 12 UNCH
1690 1695 1700		 4.40	/*3.70A /*4.00A 4.40/*4.20A	/*3.70A /*4.00A 4.40/*4.20A		3.80 - 0.90 4.00 - 1.00 4.20 - 1.10	.0478 .0502 .0527			13  30		35 + 10 3 UNCH 699 - 11
1705 1710 1715			/*4.40A /*4.70A /*4.90A	/*4.40A /*4.70A /*4.90A		4.40 - 1.20 4.70 - 1.20 5.00 - 1.30	.0552 .0586 .0620			2		31 UNCH 5 + 2 19 UNCH
1720 1725 1730	5.90	5.90 5.90 5.70	5.90/*5.00 6.20/*5.40 5.70/*5.70	5.90/*5.00 6.20/*5.40 5.70/*5.70		5.20 - 1.40 5.50 - 1.50 5.90 - 1.50	.0646 .0681 .0724			127 2		$     \begin{array}{r}       10 + & 8 \\       179 + & 119 \\       4 + & 1     \end{array} $
1735 1740 1745	6.40	6.40	/*6.10A 6.40/*6.40 /*6.80A	/*6.10A 6.40/*6.40 /*6.80A		6.20 - 1.60 6.60 - 1.60 6.90 - 1.80	.0759 .0802 .0839			1		15 - 1 62 + 1 8 UNCH
1750 1755 1760		9.00  8.90	9.10/*7.20A /*7.60A /*8.10A 9.00/*8.90	9.10/*7.20A /*7.60A /*8.10A 9.00/*8.90		7.30 - 1.90 7.80 - 1.90 8.20 - 2.10 9.20 - 2.30	.0883 .0935 .0980 .1086			37 3  2		845 + 35 14 + 3 71 UNCH 5 UNCH
1770 1775 1780 1785	9.90 12.30	9.90 12.30 11.00	9.90/*9.60A 12.30/*10.10A 11.00/*10.70A	9.90/*9.60A 12.30/*10.10A 11.00/*10.70A		9.70 - 2.40 10.30 NEW 10.90 - 2.70	.1139 .1200 .1261			1 1 2		302 UNCH 1 + 1 6 + 2
1790 1800 1805	15.40	15.40	/*11.30A 15.40/*12.70 /*13.40A	/*11.30A 15.40/*12.70 /*13.40A		11.50 - 2.80 12.90 - 3.10 13.60 - 3.30	.1323 .1460 .1530			45 44 		37 + 22 435 + 20 1 UNCH
1810 1815 1820	16.80	16.80 15.60	/*14.10A 16.80/*14.90A 15.60/*15.60	/*14.10A 16.80/*14.90A 15.60/*15.60		14.40 - 3.50 15.20 - 3.70 16.10 - 3.80	.1606 .1682 .1764			5 1		10 UNCH 28 - 1 1 UNCH
1825 1830 1835		  10.70	/*16.70A /*17.60A 23.50B/*18.60A	/*16.70A /*17.60A 23.50B/*18.60A		17.00 - 4.00 18.00 - 4.20 19.00 - 4.40	.1847 .1935 .2023			110		199 - 46 21 UNCH 150 UNCH
1840 1845 1850	25.90	19.70  25.90 	24.80B/*19.70 26.20B/*20.80A 27.60B/*21.90A	24.80B/*19.70 26.20B/*20.80A 27.60B/*21.90A		20.10 - 4.60 21.20 - 4.90 22.40 - 5.10	.2117 .2211 .2310			28  2 		205 + 26 2 UNCH 101 + 1
1860 1865 1870			30.70B/*24.40A 32.30B/*25.70A 34.10B/*27.10A 35.80B/*28.50A	30.70B/*24.40A 32.30B/*25.70A 34.10B/*27.10A 35.80B/*28.50A		24.90 - 5.60 26.20 - 6.00 27.70 - 6.20 29.20 - 6.40	.2513 .2617 .2728 .2840			  1		2 UNCH 21 UNCH 56 UNCH 141 + 1
1875 1880 1885 1890			37.70B/*30.10A 39.70B/*31.60A 41.70B/*33.30A	37.70B/*30.10A 39.70B/*31.60A 41.70B/*33.30A		30.70 - 6.80 32.30 - 7.10 34.00 - 7.40	.2951 .3066 .3184					6 UNCH 300 UNCH 15 UNCH
1895 1900 1905	42.40 37.30	42.40 37.30	43.80B/*35.00A 45.90B/*36.90A 48.20B/*38.70A	43.80B/*35.00A 45.90B/*36.90A 48.20B/*38.70A		35.80 - 7.60 37.70 - 7.90 39.60 - 8.20	.3305 .3428 .3550			1 51 		9 + 1 425 + 18 1 UNCH
1910 1915 1920	43.60	43.60 	50.50B/*40.70A 52.90B/*42.70A 55.40B/*44.70A	50.50B/*40.70A 52.90B/*42.70A 55.40B/*44.70A		41.60 - 8.50 43.60 - 8.80 45.80 - 9.10	.3674 .3799 .3926			1 		58 - 1 2 UNCH 3 UNCH
1925 1930 1935			57.90B/*46.90A 60.50B/*49.10A 63.20B/*51.40A	57.90B/*46.90A 60.50B/*49.10A 63.20B/*51.40A		48.00 - 9.40 50.30 - 9.70 52.60 - 10.00	.4053 .4180 .4308					2 UNCH 2 UNCH 2 UNCH
1940 1945 1950	59.90	59.90 	66.00B/*53.80A 68.90B/*56.30A 71.80B/*58.80A	66.00B/*53.80A 68.90B/*56.30A 71.80B/*58.80A		55.00 - 10.40 57.50 - 10.70 60.10 - 10.90	.4436 .4564 .4691			1		6 UNCH 2 UNCH 2 UNCH
1955 1960 1965			74.80B/*61.40A 77.80B/*64.00A 80.90B/*66.80A 84.10B/*69.50A	74.80B/*61.40A 77.80B/*64.00A 80.90B/*66.80A 84.10B/*69.50A		62.70 - 11.30 65.40 - 11.60 68.20 - 11.90 71.10 - 12.10	.4819 .4945 .5071 .5195					3 UNCH 6 UNCH 9 UNCH 2 UNCH
1970 1975 1980 1985			87.40B/*72.40A 90.70B/*75.30A 94.10B/*78.30A	87.40B/*72.40A 90.70B/*75.30A 94.10B/*78.30A		71.10 - 12.10 74.00 - 12.40 76.90 - 12.80 80.00 - 13.00	.5318 .5441 .5561					2 UNCH 3 UNCH 1 UNCH 1 UNCH
1990 1995 2000			97.50B/*81.50A 101.00B/*84.60A 104.50B/*87.80A	97.50B/*81.50A 101.00B/*84.60A 104.50B/*87.80A		83.10 - 13.30 86.30 - 13.50 89.50 - 13.80	.5681 .5799 .5914					4 UNCH 3 UNCH 4 UNCH
2005 2010 2015			108.10B/*91.10A 111.80B/*94.40A 115.50B/*97.70A	108.10B/*91.10A 111.80B/*94.40A		92.80 - 14.10 96.10 - 14.40 99.50 - 14.70	.6028 .6140 .6248					5 UNCH 6 UNCH 3 UNCH

## **METALS OPTIONS PRODUCTS**

Side 09







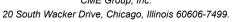


PG64	BULLET:	IN # 9@		M	ETALS OPTION	PRODUCTS				Fri,	Jan 13,	2023	PG64
	GLOBEX OPEN	OPEN OUTCRY OPEN RANGE	GLOBEX HIGH/LOW	OPEN OUTCRY HIGH/LOW	OPEN OUTCRY CLOSE RANGE	SETT.PRICE & PT.CHGE.	DELTA	EXER CISES	OPEN OUTCRY VOLUME	GLOBEX® VOLUME	PNT VOLUME	INTE	OPEN REST
OG PU MAY23 2020		COMEX GOLD OPTI		119.30B/*101.20A		103.00 - 14.90	.6356					7	UNCH
2025 2030			123.10B/*104.60 126.90B/*108.20 130.80B/*111.70	123.10B/*104.60A 126.90B/*108.20A		106.50 - 15.10 110.00 - 15.40	.6461 .6564					6 5	UNCH UNCH
2035 2040 2045			134.70B/*115.40 138.70B/*119.00	134.70B/*115.40A 138.70B/*119.00A		113.70 - 15.60 117.30 - 15.90 121.10 - 16.00	.6667 .6766 .6862					11 8	UNCH UNCH UNCH
2050 2055 2060			142.70B/*122.80 146.80B/*126.50 150.90B/*130.40	142.70B/*122.80A 146.80B/*126.50A 150.90B/*130.40A		124.80 - 16.30 128.60 - 16.60 132.50 - 16.70	.6956 .7046 .7136					13 14 11	UNCH UNCH UNCH
2065 2070 2075			155.00B/*134.20 159.20B/*138.10 163.40B/*142.10	155.00B/*134.20A 159.20B/*138.10A 163.40B/*142.10A		136.40 - 16.90 140.30 - 17.20 144.30 - 17.30	.7225 .7309 .7392					10 5 2	UNCH UNCH UNCH
2080 2085			167.60B/*146.10 171.90B/*150.10	167.60B/*146.10A 171.90B/*150.10A		148.30 - 17.50 152.40 - 17.70	.7471 .7549					3 1	UNCH UNCH
2090 2095 2100			176.20B/*154.20 180.50B/*158.30 184.90B/*162.40	176.20B/*154.20A 180.50B/*158.30A 184.90B/*162.40A		156.50 - 17.80 160.60 - 18.00 164.80 - 18.20	.7626 .7698 .7770					3 2 7	UNCH UNCH UNCH
2105 2110 2115			189.20B/*166.60 193.60B/*170.80 198.10B/*175.00	189.20B/*166.60A 193.60B/*170.80A 198.10B/*175.00A		168.90 - 18.40 173.20 - 18.50 177.40 - 18.70	.7840 .7906 .7970					3 2 4	UNCH UNCH UNCH
2125 2130 2145			207.00B/*183.50 211.50B/*187.90 225.10B/*201.00	207.00B/*183.50A 211.50B/*187.90A 225.10B/*201.00A		186.00 - 19.00 190.30 - 19.10 203.50 - 19.50	.8098 .8156 .8326					2 2 1	UNCH UNCH UNCH
2150 2175			229.60B/*205.40 252.70B/*227.80	229.60B/*205.40A 252.70B/*227.80A		207.90 - 19.60 230.40 - 20.10	.8376 .8614					3 2	UNCH UNCH
2190 2200 2225			266.70B/*241.50 276.10B/*250.70 299.90B/*274.00	266.70B/*241.50A 276.10B/*250.70A 299.90B/*274.00A		244.10 - 20.40 253.30 - 20.60 276.50 - 21.00	.8737 .8811 .8979					1 5 5	UNCH UNCH UNCH
2250 2275 2300			323.80B/*297.50 348.00B/*321.40 372.20B/*345.40	323.80B/*297.50A 348.00B/*321.40A 372.20B/*345.40A		300.10 - 21.40 324.00 - 21.60 348.00 - 21.80	.9128 .9249 .9342					8 1 15	UNCH UNCH UNCH
2350 TOTAL			421.20B/*394.00	421.20B/*394.00A		396.60 - 22.20	.9503			617		4 7658+	UNCH 227
JUN23 900 1000	 					0.10 UNCH 0.10 UNCH						10 14	UNCH UNCH
1025 1075						0.10 UNCH 0.10 UNCH	.0000 .0000 .0000					2 12 40	UNCH UNCH UNCH
1080 1100 1175						0.10 UNCH 0.10 UNCH	.0000					1 100	UNCH UNCH
1200 1210 1225						0.10 UNCH 0.10 UNCH 0.10 UNCH	.0004 .0005 .0007					101 5 49	UNCH UNCH UNCH
1230 1235 1250						0.10 - 0.10 0.10 - 0.10 0.20 UNCH	.0008 .0009 .0019					4 1 5	UNCH UNCH UNCH
1275 1300						0.20 UNCH 0.20 - 0.10	.0020 .0021					41 58 77	UNCH UNCH
1325 1350 1360						0.30 UNCH 0.40 UNCH 0.40 - 0.10	.0030 .0040 .0041					440 4	UNCH UNCH UNCH
1375 1385 1390			/*0.50A	/*0.50A		$     \begin{array}{rrrr}       0.40 & - & 0.10 \\       0.50 & - & 0.10 \\       0.50 & - & 0.10     \end{array} $	.0042 .0052 .0052					40 1 3	UNCH UNCH UNCH
1400 1425 1435			/*0.70A	/*0.70A		0.50 - 0.10 0.60 - 0.20 0.70 - 0.10	.0053 .0065 .0075					273 59 1	UNCH UNCH UNCH
1440 1450 1455			/*0.80A  /*0.80A	/*0.80A  /*0.80A		0.70 - 0.20 0.80 - 0.10 0.80 - 0.20	.0075 .0085 .0086					4 1195 1	UNCH UNCH UNCH
1460 1470			/*0.90A /*1.00A /*1.00A	/*0.90A /*1.00A /*1.00A		0.90 - 0.10 0.90 - 0.20 1.00 - 0.10	.0096 .0098 .0107			1		1 0 - 45	UNCH 1 UNCH
1475 1485 1495			/*1.10A /*1.20A /*1.20A 1.20/*1.20	/*1.10A /*1.10A /*1.20A 1.20/*1.20		1.10 - 0.10 1.10 - 0.20	.0118 .0120					3 196	UNCH
1500 1505 1510	1.20	1.20	/*1.30A /*1.40A	/*1.30A /*1.40A		1.20 - 0.20 1.30 - 0.10 1.30 - 0.20	.0130 .0140 .0141			1		511 - 14 20	UNCH UNCH
1515 1520 1525	1.40 	1.40	1.40/*1.40 /*1.50A /*1.50A	1.40/*1.40 /*1.50A /*1.50A		$\begin{array}{rrrr} 1.40 & - & 0.10 \\ 1.40 & - & 0.20 \\ 1.50 & - & 0.20 \end{array}$	.0151 .0153 .0162			40 		47 + 2 30	40 UNCH UNCH
1535 1540 1550	1.90	1.90	/*1.70A 1.90/*1.70A /*1.90A	/*1.70A 1.90/*1.70A /*1.90A		1.60 - 0.20 1.70 - 0.20 1.90 - 0.20	.0174 .0185 .0205			10		4 220 + 979	UNCH 10 UNCH
1560 1570 1575			/*2.00A /*2.20A /*2.30A	/*2.00A /*2.20A /*2.30A		2.00 - 0.30 2.20 - 0.30 2.30 - 0.30	.0218 .0239 .0250			1		46 2 - 208	UNCH 1 UNCH
1580 1585 1590			/*2.40A /*2.50A /*2.70A	/*2.40A /*2.50A /*2.70A		2.40 - 0.40 2.50 - 0.40 2.60 - 0.40	.0261 .0272 .0283					2 1 1000	UNCH UNCH UNCH
1595 1600	3.30	3.30	/*2.80A 3.30/*2.90 /*3.00A	/*2.80A 3.30/*2.90 /*3.00A		2.80 - 0.40 2.90 - 0.40	.0302 .0314			2		1 1535 +	UNCH 1
1605 1610 1615			/*3.10A /*3.30A	/*3.10A /*3.30A		3.20 - 0.50 3.30 - 0.60	.0325 .0345 .0357					10 10 57	UNCH UNCH UNCH
1620 1625 1630			/*3.50A /*3.50A /*3.80A	/*3.50A /*3.50A /*3.80A		3.50 - 0.60 3.60 - 0.70 3.80 - 0.70	.0376 .0389 .0409					1 116 1	UNCH UNCH UNCH
1635 1640 1645			/*4.00A /*4.20A /*4.40A	/*4.00A /*4.20A /*4.40A		4.00 - 0.70 4.20 - 0.70 4.40 - 0.80	.0429 .0449 .0470					495 14	UNCH UNCH UNCH
1650 1655 1660	 5.80	 5.80	/*4.60A /*4.80A 5.80/*5.00A	/*4.60A /*4.80A 5.80/*5.00A		4.60 - 0.90 4.80 - 0.90 5.10 - 0.90	.0490 .0511 .0540			 1		1044 1 61 +	UNCH UNCH 1
1665 1670 1675	6.20	 6.20	/*5.30A /*5.50A 6.20/*5.60	/*5.30A /*5.50A 6.20/*5.60		5.30 - 1.00 5.60 - 1.00 5.80 - 1.10	.0561 .0590 .0612			 49		19 95 601 +	UNCH UNCH 30
1680 1685 1690	7.20	7.20	/*6.00A 7.20/*6.30A /*6.60A	/*6.00A 7.20/*6.30A /*6.60A		6.10 - 1.20 6.40 - 1.20 6.70 - 1.30	.0641 .0670 .0700			1		9 46 + 21	UNCH 1 UNCH
1695 1700	8.20	8.20 	/*7.00A 8.50/*7.20 /*7.70A	/*7.00A 8.50/*7.20 /*7.70A		7.10 - 1.30 7.40 - 1.40	.0736 .0767			 86		5 1737 +	UNCH 9
1705 1710 1715	9.10 9.40	9.10	/*8.00A 9.10/*8.40A	/*8.00A 9.10/*8.40A 9.40/*8.60		8.20 - 1.50 8.60 - 1.60	.0803 .0841 .0878			 7		95 7 + 56 +	UNCH UNCH 2
1720 1725 1730	10.20	9.40 10.20 	9.40/*8.60 10.20/*9.20 /*9.70A	10.20/*9.20 /*9.70A		9.40 - 1.80 9.90 - 1.80	.0916 .0954 .0999			6574 		1545 - 36	5171 UNCH
1735 1740 1745	12.00	12.00	/*10.20A 12.00/*10.70A /*11.20A	/*10.20A 12.00/*10.70A /*11.20A		10.40 - 1.90 10.90 - 2.00 11.40 - 2.10	.1044 .1089 .1135			5		64 30 + 22	UNCH 5 UNCH
1750 1755 1760	13.10 13.20	13.10 13.20	13.10/*11.80 13.20/*12.40A /*13.00A	13.10/*11.80 13.20/*12.40A /*13.00A		12.00 - 2.20 12.60 - 2.30 13.20 - 2.40	.1186 .1238 .1290			89 3 	500 	1721 + 97 33	530 UNCH UNCH
1765 1770 1775	16.00	 16.00	/*13.60A /*14.30A 16.00/*15.00	/*13.60A /*14.30A 16.00/*15.00		13.80 - 2.60 14.50 - 2.70 15.20 - 2.80	.1343 .1401 .1460			 51		18 33 274 +	UNCH UNCH 36
1780 1785 1790			/*15.70A /*16.50A /*17.30A	/*15.70A /*16.50A /*17.30A		16.00 - 2.90 16.80 - 3.00 17.60 - 3.20	.1524 .1588 .1653				80 	85 + 8 18	80 UNCH UNCH
1800 1805 1810	22.00	22.00 	22.90B/*19.00 24.00B/*19.90A /*20.90A	22.90B/*19.00 24.00B/*19.90A /*20.90A		19.30 - 3.50 20.30 - 3.60 21.30 - 3.80	.1788 .1863 .1938			55 		872 + 33 331	32 UNCH UNCH
1815 1820 1825	24.00 26.30	24.00 26.30	26.40B/*21.90A 27.60B/*23.00A 28.90B/*24.10A	26.40B/*21.90A 27.60B/*23.00A 28.90B/*24.10A		22.30 - 4.00 23.40 - 4.10 24.50 - 4.30	.2013 .2092 .2172			1 6669		14 15 7352 +	UNCH UNCH 6453
1830 1835 1840	29.80	29.80	29.80/*25.30A 31.70B/*26.40A 33.20B/*27.70A	29.80/*25.30A 31.70B/*26.40A 33.20B/*27.70A		25.60 - 4.60 26.90 - 4.70 28.10 - 5.00	.2253 .2340 .2425			2 1		12 + 2 + 11	1 1 UNCH
1845 1850 1855	33.20	33.20	34.80B/*29.00A 36.40B/*30.30A 38.00B/*31.70A	34.80B/*29.00A 36.40B/*30.30A 38.00B/*31.70A		29.50 - 5.10 30.80 - 5.40 32.30 - 5.60	.2516 .2605 .2699			509		4 712 + 41	UNCH 299 UNCH
1860 1870 1875	36.60	36.60	39.70B/*33.10A 43.50B/*36.20A 45.40B/*37.80A	39.70B/*33.10A 43.50B/*36.20A 45.40B/*37.80A		33.70 - 5.90 36.90 - 6.40 38.50 - 6.70	.2791 .2986 .3084			1 145		156 191 + 185 +	UNCH 1 145
	NEODMATION	CONTAINED IN THE				S AND TS FURNISHED WIT							

## **METALS OPTIONS PRODUCTS**

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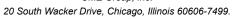


PG64 BULLET	rin # 9@		MI	ETALS OPTION					Fri,	Jan 13	, 2023 PG64
GLOBEX OPEN	OPEN OUTCRY OPEN RANGE	GLOBEX HIGH/LOW	OPEN OUTCRY HIGH/LOW	OPEN OUTCRY CLOSE RANGE	SETT.PRICE & PT.CHGE.	DELTA	EXER CISES	OPEN OUTCRY VOLUME	GLOBEX® VOLUME	PNT VOLUME	OPEN INTEREST
		HIGH/LOW	47. 408/*39. 50A 51. 608/*43. 10A 53. 708/*45. 00A 55. 908/*46. 90A 60. 80B/*51. 00A 65. 708/*55. 30A 68. 208/*57. 60A 70. 908/*59. 90A 73. 60B/*62. 30A 76. 40B/*64. 70A 79. 208/*64. 70A 79. 208/*64. 70A 76. 208/*64. 70A 77. 208/*85. 30A 76. 40B/*64. 70A 77. 60B/*85. 30A 76. 40B/*64. 70A 77. 60B/*85. 30A 76. 40B/*64. 70A 77. 60B/*85. 50A 11. 20B/*75. 10A 91. 20B/*75. 10A 91. 20B/*75. 10A 91. 20B/*85. 50A 110. 90B/*86. 40A 104. 20B/*80. 70A 97. 60B/*83. 50A 100. 90B/*86. 40A 104. 20B/*89. 40A 107. 60B/*95. 60A 111. 00B/*95. 60A 111. 00B/*95. 60A 111. 50B/*102. 00A 125. 20B/*108. 50A 125. 50B/*108. 50A 126. 50B/*115. 20A 127. 70B/*129. 30A 127. 50B/*135. 50A 147. 70B/*129. 30A 147. 70B/*129. 30A 155. 50B/*136. 60A 167. 50B/*137. 70A 175. 70B/*157. 50A 175. 70B/*157. 50A 183. 50B/*140. 30A 163. 50B/*147. 30A 163. 50B/*147. 30A 163. 50B/*177. 40A 209. 90B/*177. 40A 209. 90B/*177. 40A 209. 90B/*177. 30A 213. 90B/*266. 00A 225. 20B/*183. 50A 226. 60B/*200. 20A 227. 100/*204. 50A 231. 50B/*266. 00A 235. 90B/*231. 00A 240. 40B/*217. 30A 241. 50B/*218. 30A 341. 50B/*224. 70A 242. 50B/*239. 10A 243. 50B/*239. 10A 244. 80B/*239. 30A 341. 40B/*239. 30A 341. 40B/*239. 30A 342. 50B/*239. 10A 272. 00B/*248. 10A 377. 50B/*341. 80A 378. 50B/*339. 10A 379. 30B/*339. 10A 379. 30B/*339. 10A 370. 50B/*341. 30A			.3186 .3391 .3495 .3601 .3813 .3921 .4029 .4128 .4246 .4355 .4464 .4572 .4681 .4789 .4896 .4896 .5213 .5317 .5420 .5521 .5521 .5610 .5721 .5610 .6102 .6194 .6285 .6373 .6461 .6373 .6461 .6373 .6461 .6373 .6461 .6373 .7310 .7380 .7025 .7025 .7025 .7025 .7037 .7380 .7446 .8793 .7494 .7893 .7894 .7893 .7894 .7893 .7894 .7893 .7894 .8816 .8917 .8916 .8917 .8916 .8917 .8917 .8916 .8917 .9917 .9917 .9918 .8917 .9918 .8917 .9918 .8917 .9918 .8917 .9918 .9917 .9918 .9917 .9918 .9918 .9917 .9918 .9918 .9917 .9918 .9918 .9918 .9918 .9917 .9918		OUTCRY			
TOTAL  JUL23  1200 1225 1250 1325 1300 1325 1410 1425 1410 1425 1430 1450 1450 1550 1550 1575 1590 1600 4.60 1605 4.80 1625 5.20 1635 1600 4.60 1665 1660 1665 1660 1665 1673 13.30 1750 16.10 1770 1775 19.90 1780 1775 19.90 1780 1775 19.90 1780 1775 19.90 1780 1775 19.90 1780 1775 19.90 1780 1780 1775 19.90 1780 1780 1780 1780 1780 1780 1780 1780 1820					0.20 - 0.10 0.30 - 0.10 0.30 - 0.10 0.40 - 0.10 0.50 - 0.10 0.60 - 0.10 1.00 - 0.10 1.10 - 0.10 1.10 - 0.10 1.10 - 0.10 1.30 - 0.10 1.40 - 0.10 1.40 - 0.10 1.50 - 0.10 1.70 - 0.20 2.50 New 2.80 - 0.40 3.40 - 0.60 3.90 - 0.60 4.20 - 0.70 4.40 New 5.20 - 0.80 5.70 - 0.80 5.70 - 0.80 5.70 - 0.80 5.70 - 0.10 7.30 - 1.10 7.90 - 1.20 8.30 - 1.10 7.90 - 1.20 8.30 - 1.10 8.60 - 1.30 9.00 - 1.30 9.00 - 1.30 9.00 - 1.30 9.00 - 1.30 9.10 - 1.30 9.10 - 1.30 9.20 - 1.40 10.20 - 1.50 11.60 - 1.70 12.10 - 1.80 12.60 - 1.90 14.90 - 2.40 17.60 - 2.90 18.40 - 3.10 22.70 - 3.60 23.70 - 3.60 23.70 - 3.70 26.80 - 4.20 27.90 - 4.40 31.60 - 4.90 34.30 - 5.20 37.10 - 5.70 40.20 New 41.80 - 6.30 41.80 - 6.30 41.80 - 6.30 46.90 - 7.00 50.60 - 7.50 54.50 - 8.00 60.80 - 8.70 70.00 - 9.70	.0017 .0026 .0026 .0035 .0044 .0053 .0083 .0102 .0103 .0122 .01350 .0180 .0237 .0265 .0322 .0366 .0394 .0412 .0483 .0545 .0589 .0669 .0747 .0749 .0775 .0884 .0884 .0884 .0884 .0884 .0888			14469	630	27941 + 2691  4866

## **METALS OPTIONS PRODUCTS**

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

CME Group, Inc.







					PRELIMIN							
PG64	BULLET		9@		ETALS OPTION					Fri,	Jan 13,	2023 PG64
	GLOBEX OPEN		OUTCRY GLOBEX RANGE HIGH/LOW	OPEN OUTCRY HIGH/LOW	OPEN OUTCRY CLOSE RANGE	SETT.PRICE & PT.CHGE. DE		EXER CISES	OPEN OUTCRY VOLUME	GLOBEX® VOLUME	PNT VOLUME	OPEN INTEREST
OG PU	Т	COMEX	GOLD OPTIONS					CISES	VOLUME	VOLUME	VOLUME	INTEREST
JUL23 1950 1975	89.00	 89.00	82.70B/*71.50A 97.10B/*84.40A	82.70B/*71.50A 97.10B/*84.40A						<u>-</u>		264 UNCH 5 UNCH
1985 1990			103.30B/*90.10A 106.40B/*92.90A	103.30B/*90.10A 106.40B/*92.90A		91.00 - 11.80 .5 93.90 - 12.00 .5	008 101					2 UNCH 1 UNCH
1995 2000 2005			116.20B/*101.70	109.60B/*95.80A 112.90B/*98.60A 116.20B/*101.70A		99.80 - 12.50 .5	283					1 UNCH 11 UNCH 1 UNCH
2010 2015 2020			122.90B/*108.00	119.50B/*104.90A 122.90B/*108.00A 126.40B/*111.10A		109.00 - 13.20 .5	550					2 UNCH 1 UNCH 2 UNCH
2025 2030			129.80B/*114.30 133.40B/*117.50	129.80B/*114.30A 133.40B/*117.50A		115.40 - 13.60 .5 118.70 - 13.80 .5	723 809					4 UNCH 5 UNCH
2045 2050 2060			147.90B/*131.00 155.30B/*137.90	144.20B/*127.50A 147.90B/*131.00A 155.30B/*137.90A		132.20 - 14.60 .6 139.10 - 15.10 .6	5136 5292			11		2 UNCH 15 + 10 3 UNCH
2065 2070 2075			162.90B/*145.00	159.10B/*141.40A 162.90B/*145.00A 166.80B/*148.60A		146.30 - 15.50 .6	3443					2 UNCH 4 UNCH 5 UNCH
2080 2085 2090			174.60B/*156.00	170.70B/*152.30A 174.60B/*156.00A 178.60B/*159.70A		157.30 - 16.10 .6	662					3 UNCH 4 UNCH 5 UNCH
2095 2100			182.60B/*163.40 186.60B/*167.20	182.60B/*163.40A 186.60B/*167.20A 190.60B/*171.10A		164.80 - 16.40 .6 168.60 - 16.60 .6	5799 5869					4 UNCH 3 UNCH
2105 2110 2115			194.70B/*174.90 198.80B/*178.80	194.70B/*174.90A 198.80B/*178.80A		176.40 - 16.90 .6 180.30 - 17.00 .7	999 7061					10 UNCH 8 UNCH
2120 2125 2135			202.90B/*182.70 207.10B/*186.70 215.40B/*194.60	202.90B/*182.70A 207.10B/*186.70A 215.40B/*194.60A		188.20 - 17.30 .7 196.20 - 17.70 .7	186					3 UNCH 3 UNCH 3 UNCH
2145 2150 2155	216.10	 216.1	223.90B/*202.70 228.10B/*206.80 .0 232.40B/*210.90	223.90B/*202.70A 228.10B/*206.80A 232.40B/*210.90A		208.40 - 18.10 .7	471			  2		1 UNCH 7 UNCH 2 + 2
2160 2165	220.30	220.3	0 236.70B/*215.10	236.70B/*215.10A 241.00B/*219.20A 245.40B/*223.40A		216.70 - 18.40 .7 220.80 - 18.60 .7	'577 '629			1 4		$\begin{array}{cccccccccccccccccccccccccccccccccccc$
2170 2175 2200			249.80B/*227.60 271.80B/*249.00	249.80B/*227.60A 271.80B/*249.00A		229.30 - 18.70 .7 250.70 - 19.30 .7	730 7958					21 UNCH 11 UNCH
2210 2215 2225			280.70B/*257.60 285.20B/*262.00 294.20B/*270.80	280.70B/*257.60A 285.20B/*262.00A 294.20B/*270.80A		263.70 - 19.70 .8	8081					11 UNCH 1 UNCH 18 UNCH
2230 2235 2240			298.80B/*275.20 303.30B/*279.60 307.90B/*284.10	298.80B/*275.20A 303.30B/*279.60A 307.90B/*284.10A		281.40 - 20.00 .8	3237					2 UNCH 2 UNCH 2 UNCH
2245 2250			312.40B/*288.50 317.00B/*293.00	312.40B/*288.50A 317.00B/*293.00A		290.40 - 20.10 .8 294.90 - 20.10 .8	3306 3342					3 UNCH 7 UNCH
2255 2265 2270			321.60B/*297.50 330.80B/*306.50 335.40B/*311.10	321.60B/*297.50A 330.80B/*306.50A 335.40B/*311.10A		308.40 - 20.30 .8 312.90 - 20.40 .8	3439 3470					2 UNCH 1 UNCH 1 UNCH
2280 2300 2320			344.70B/*320.20 363.40B/*338.50 382.20B/*357.00	344.70B/*320.20A 363.40B/*338.50A 382.20B/*357.00A		340.40 - 20.80 .8	3644					6 UNCH 3 UNCH 2 UNCH
2325 2330 2350			386.90B/*361.60 391.60B/*366.30 410.60B/*385.00	386.90B/*361.60A 391.60B/*366.30A 410.60B/*385.00A		363.60 - 21.00 .8 368.20 - 21.10 .8	3774 3798					1 UNCH 3 UNCH 9 UNCH
2375 2400			434.50B/*408.60 458.50B/*432.30	434.50B/*408.60A 458.50B/*432.30A		410.50 - 21.60 .8 434.20 - 21.80 .9	3988 9083					6 UNCH 16 UNCH
2550 2700 TOTAL			604.70B/*577.50 753.20B/*725.30	604.70B/*577.50A 753.20B/*725.30A						158		15 UNCH 1 UNCH 7302+ 104
AUG23 1200							0031					10 UNCH
1275 1325 1350			 			0.80 UNCH .0 0.90 - 0.10 .0						30 UNCH 50 UNCH 40 UNCH
1375 1410 1425			 			1.40 - 0.10 .0	121					9 UNCH 1 UNCH 30 UNCH
1430 1450 1520	2.00	2.00	2.00/*2.00 /*3.30A	2.00/*2.00 /*3.30A		1.60 - 0.20 .0 1.90 - 0.20 .0	)139 )164			 2 		1 UNCH 2 - 2 1 UNCH
1525 1530			/*3.40A /*3.60A /*4.00A	/*3.40A /*3.60A /*4.00A		3.40 - 0.30 .0 3.50 - 0.30 .0	)291 )300					1 UNCH 31 UNCH 19 UNCH
1545 1550 1560			/*4.10A /*4.40A	/*4.10A /*4.40A /*6.00A		4.10 - 0.40 .0 4.40 - 0.40 .0	)349 )374					13 UNCH 36 UNCH
1600 1605 1615	6.20	6.20	/*6.70A	6.20/*6.20 /*6.70A		6.20 - 0.70 .0 6.70 - 0.70 .0	)521 )560			6		764 UNCH 0 - 6 1 UNCH
1620 1630 1645			/*7.00A /*7.50A /*8.40A	/*7.00A /*7.50A /*8.40A		7.50 - 0.90 .0 8.50 - 0.90 .0	624					1 UNCH 1 UNCH 2 UNCH
1650 1655 1660			/*8.80A /*9.10A /*9.50A	/*8.80A /*9.10A /*9.50A		9.10 - 1.10 .0	747					63 UNCH 1 UNCH 3 UNCH
1665 1670			/*9.90A /*10.20A /*10.70A	/*9.90A /*10.20A /*10.70A		9.90 - 1.20 .0 10.30 - 1.20 .0	)806 )836					6 UNCH 2 UNCH 175 UNCH
1675 1690 1700			/*12.00A /*12.90A /*15.10A	/*12.00A /*12.90A		12.00 - 1.50 .0 12.90 - 1.70 .1	)962 L028					5 UNCH 150 UNCH
1720 1725 1750	19.00	19.00	/*15.70A 19.00/*19.00	/*15.10A /*15.70A 19.00/*19.00		15.70 - 2.00 .1 19.10 - 2.40 .1	1225 1452			 2		2 UNCH 40 UNCH 726 + 2
1770 1775 1780	24.70	 24.70	25.20B/*22.10A 26.20B/*23.00A 24.70/*23.90A	25.20B/*22.10A 26.20B/*23.00A 24.70/*23.90A		23.10 - 3.00 .1	710			 4		3 UNCH 380 UNCH 4 + 4
1800 1805 1820			/*27.80A /*28.90A 37.00B/*32.30A	/*27.80A /*28.90A 37.00B/*32.30A		29.10 - 3.80 .2	069					483 UNCH 3 UNCH 1 UNCH
1825 1850			38.40B/*33.50A 46.20B/*40.30A	38.40B/*33.50A 46.20B/*40.30A		33.80 - 4.40 .2 40.70 - 5.30 .2	2334 2696					425 UNCH 20 UNCH
1855 1870 1900			47.90B/*41.80A 53.30B/*46.50A 65.60B/*57.30A	47.90B/*41.80A 53.30B/*46.50A 65.60B/*57.30A		47.00 - 6.10 .3 58.00 - 7.40 .3	3006 3499					2 UNCH 2 UNCH 10 UNCH
1905 1910 1915			67.90B/*59.30A 70.20B/*61.40A 72.60B/*63.50A	67.90B/*59.30A 70.20B/*61.40A 72.60B/*63.50A		62.10 - 7.80 .3	3669					1 UNCH 1 UNCH 2 UNCH
1925 1950 2015			77.40B/*67.80A 90.50B/*79.50A 130.60B/*116.00	77.40B/*67.80A 90.50B/*79.50A 130.60B/*116.00A		80.60 - 9.50 .4	361					50 UNCH 450 UNCH 1 UNCH
2020 2025			134.00B/*119.20 137.40B/*122.30	134.00B/*119.20A 137.40B/*122.30A		120.40 - 12.70 .5 123.60 - 12.90 .5	534 612					2 UNCH 7 UNCH
2030 2035 2050			155.20B/*138.80	140.90B/*125.60A 144.40B/*128.80A 155.20B/*138.80A		130.10 - 13.30 .5 140.20 - 13.90 .5	768 991					1 UNCH 4 UNCH 51 UNCH
2055 2065 2070			158.80B/*142.20 166.30B/*149.20 170.00B/*152.70	158.80B/*142.20A 166.30B/*149.20A 170.00B/*152.70A		150.60 - 14.50 .6	207					3 UNCH 1 UNCH 1 UNCH
2075 2080			173.80B/*156.30 177.60B/*159.90	173.80B/*156.30A 177.60B/*159.90A 181.50B/*163.50A		157.80 - 14.70 .6 161.40 - 14.90 .6	345 3412					4 UNCH 2 UNCH 6 UNCH
2085 2090 2095			185.40B/*167.20 189.30B/*170.90	185.40B/*167.20A 189.30B/*170.90A		168.70 - 15.30 .6 172.40 - 15.50 .6	5544 5608					3 UNCH 4 UNCH
2100 2105 2110			201.20B/*182.20	193.20B/*174.60A 197.20B/*178.40A 201.20B/*182.20A		180.00 - 15.80 .6 183.80 - 15.90 .6	732 793					7 UNCH 9 UNCH 3 UNCH
2125 2150 2155			213.40B/*193.80 234.10B/*213.60 238.30B/*217.60	213.40B/*193.80A 234.10B/*213.60A 238.30B/*217.60A		215.20 - 17.20 .7	242					5 UNCH 3 UNCH 1 UNCH
2175 2200			255.30B/*234.00 257.00B/*255.00 285.70B/*263.50	255.30B/*234.00A 277.00B/*255.00A 285.70B/*263.50A		235.70 - 17.80 .7 256.70 - 18.30 .7	7488 7713					9 UNCH 10 UNCH
2210 2215 2220			290.20B/*267.80 294.60B/*272.10	290.20B/*267.80A 294.60B/*272.10A		269.60 - 18.60 .7 273.90 - 18.70 .7	'835 '877					2 UNCH 1 UNCH
2225 2235 2275			299.00B/*276.40 308.00B/*285.10 344.20B/*320.50	299.00B/*276.40A 308.00B/*285.10A 344.20B/*320.50A		286.90 - 19.00 .7	320					8 UNCH 3 UNCH 1 UNCH

#### **METALS OPTIONS PRODUCTS**

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

CME Group, Inc.



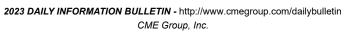




Fri, PG64 PG64 BULLETIN # 9@ METALS OPTION PRODUCTS Jan 13, 2023 OPEN OUTCRY VOLUME GLOBEX OPEN OPEN OUTCRY OPEN RANGE GLOBEX HIGH/LOW OPEN OUTCRY HIGH/LOW OPEN OUTCRY CLOSE RANGE SETT.PRICE & PT.CHGE. DELTA EXER CISES GLOBEX® VOLUME OPEN INTEREST PNT VOLUME 367.108/\*343.00 376.408/\*352.10 432.608/\*407.50 437.308/\*412.10 442.108/\*416.80 461.108/\*435.60 509.008/\*483.00 557.308/\*530.90 367.108/\*343.00A 376.408/\*352.10A 432.608/\*407.50A 437.308/\*412.10A 442.108/\*416.80A 461.108/\*435.60A 509.008/\*483.00A 557.308/\*530.90A 344.80 353.90 409.20 413.90 418.60 437.30 484.70 532.70 20.10 20.20 20.90 21.00 21.00 21.70 22.00 .8410 .8465 .8755 .8777 .8798 .8876 .9045 ----2300 2310 2370 2375 2380 2400 2450 2500 UNCH UNCH UNCH UNCH UNCH UNCH UNCH 3 ----------------3 17 16 + 4239+ TOTAL 0.50 0.70 1.30 1.60 2.460 3.20 4.40 5.70 6.30 7.50 9.00 10.70 11.50 11.50 12.80 30.90 42.10 42.10 42.10 66.40 66.40 66.40 66.40 67.2.80 77.50 87.00 7.50 9.00 10.70 11.50 80.70 11.50 80.70 11.50 80.70 81.5 .0037 .0053 .0076 .0101 .0123 .0141 .0202 .0248 .0339 .0405 .0434 .0479 .0565 .0434 .0479 .0565 .0434 .0479 .0565 .0434 .0479 .0565 .0434 .0479 .0565 .0434 .0479 .0565 .0567 2 1 45 10 21 3800 1 61 0.90/\*0.90 0.90 0.90 0.90/\*0.90 500 15 1986 25 1 509 25 680 74 83 16 10 16.70 16.70 ----45.00 45.00 11 17 19 21 32 37 21 5 TOTAL OCT23 1200 1275 1300 1325 0.60 .0049 .0079 .0079 .0130 .0114 .0180 .0526 .0354 .0416 .0489 .0526 .0570 .0667 .0962 .1406 .0416 .1406 0.60/\*0.60 0.60/\*0.60 350 0.10 0.10 0.10 0.10 0.10 0.20 0.20 0.30 0.40 0.50 0.70 0.70 0.70 0.90 1.40 1.90 2.30 2.80 3.30 4.00 1350 1375 1400 1450 1500 1525 1560 1565 1575 1100 550 ------------50 ----1 175 NEW - 5.10 - 6.90 - 7.40 - 18.40 - 15.80 - 18.60 - 14.40 - 15.80 - 16.50 - 17.00 - 18.40 - 19.10 - 19.80 - 19.80 1840 1850 1890 1900 1930 1975 2075 2100 2125 2155 2200 2250 2275 23250 2375 1731 525 TOTAL NOV23 3.20 12.20 15.60 16.10 27.90 44.10 89.40 109.50 ----0.20 1.10 1.50 1.50 2.90 4.50 8.90 10.20 --------.0211 .0768 .0964 .0992 .1614 .2349 .3929 .4472 ----25 1 1 1 22 1 1 53 1400 1615 1655 1660 1750 1825 1950 1990 TOTAL UNCH UNCH UNCH UNCH UNCH UNCH UNCH UNCH ----/\*12.50A ----/\*15.90A ----/\*16.40A ----/\*28.10A ----/\*44.00A ----/\*89.00A ----/\*108.90A ----/\*12.50A ----/\*15.90A ----/\*16.40A ----/\*28.10A ----/\*44.00A ----/\*89.00A ----/\*108.90A 

## **METALS OPTIONS PRODUCTS**

Side 13





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



BULLET				METALS OPTION F					Fri,	Jan 13,	, 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
-	COMEX GOLD OP	TIONS									
					0.40 - 0.10 0.50 - 0.10 0.70 - 0.10	.0023 .0030 .0042					5 UNCH 4 UNCH 2 UNCH
					1.30 UNCH 1.70 UNCH	.0080 .0105					2 UNCH 152 UNCH
					2.30 + 0.10 2.60 UNCH 3.00 UNCH	.0143 .0162 .0188					101 UNCH 701 UNCH 2 UNCH
.30	4.30	4.30/*4.20  /*7.80A	4.30/*4.20  /*7.80A		4.10 - 0.10 5.60 - 0.20 7.50 - 0.50	.0255 .0344 .0457			82  2		84 - 1 157 UNCH 381 UNCH
		/*8.30A /*10.50A	/*8.30A /*10.50A		7.90 - 0.60 10.00 - 0.80	.0481					2 UNCH 769 UNCH
 5.00	15.00	/*12.00A /*12.40A 15.00/*13.80A	/*12.00A /*12.40A 15.00/*13.80A		11.60 - 0.90 11.90 - 1.00 13.40 - 1.10	.0692 .0710 .0793			1		1 UNCH 1 UNCH 653 UNCH
8.90	18.90	/*15.90A 18.90/*18.20A /*21.00A	/*15.90A 18.90/*18.20A /*21.00A		15.40 - 1.40 17.90 - 1.60 20.70 NEW	.0903 .1035 .1179			10 1		10 UNCH 200 - 10 1 + 1
		/*24.20A /*28.00A /*30.50A	/*24.20A /*28.00A /*30.50A		23.90 - 2.30 27.70 - 2.70 30.20 - 3.00	.1340 .1523 .1640			1 		1610 UNCH 26 UNCH 6 UNCH
		/*32.30A /*37.30A	/*32.30A /*37.30A		32.00 - 3.20 37.00 - 3.70	.1722 .1943			60		390 + 30 49 UNCH
 1.00	 51.00	/*43.00A /*49.50A 51.00/*51.00	/*43.00A /*49.50A 51.00/*51.00		42.70 - 4.40 49.20 - 5.10 52.10 - 5.40	.2184 .2443 .2553			 1		79 UNCH 1 UNCH 2 + 1
		/*53.80A /*56.90A /*60.10A	/*53.80A /*56.90A /*60.10A		53.60 NEW 56.60 - 5.90 59.90 - 6.10	.2609 .2720 .2837			1 1		1 + 1 381 + 1 75 UNCH
		/*63.40A /*65.20A /*67.00A	/*63.40A /*65.20A /*67.00A		63.30 - 6.40 65.00 - 6.70	.2955 .3014					100 UNCH 320 UNCH
		/*74.50A /*76.40A	/*74.50A /*76.40A		66.80 - 6.80 74.40 - 7.50 76.40 - 7.70	.3074 .3320 .3382			10		130 UNCH 87 + 10 10 UNCH
		/*82.70A /*96.10A /*108.30A	/*82.70A /*96.10A /*108.30A		82.70 NEW 96.30 - 9.20 108.70 - 10.10	.3571 .3953 .4272			1 11 15		1 + 1 40 + 3 160 UNCH
		/*121.60A /*150.70A /*183.30A	/*121.60A /*150.70A /*183.30A		121.90 NEW 151.20 - 12.70 183.80 - 14.20	.4590 .5199			10 		10 + 10 84 UNCH
		/ ^103.3UA	/ *103.3UA		183.80 - 14.20	.5758			207		58 UNCH 6848+ 47
					83.40 - 7.50 120.40 - 9.50 135.20 - 10.20	.2911 .3769 .4064					75 UNCH 100 UNCH 130 UNCH
					51.80 - 4.20	.1653					305 0 100 UNCH
BEX EN	OPEN OUTCRY OPEN RANGE	GLOBEX HIGH/LOW	OPEN OUTCRY HIGH/LOW	OPEN OUTCRY CLOSE RANGE	SETT.PRICE & PT.CHGE.	DELTA	EXER	OPEN OUTCRY	GLOBEX®	PNT	100 0 OPEN
	COMEX GOLD OP		HIGH, LOW	CEOSE NAME	a Friende.	DELTA	CISES	VOLUME	VOLUME	VOLUME	INTEREST
			#724.50B/697.50A		721.70 + 22.90	1.0000					1 UNCH
		574 60B/547 50A			571 70 ± 22 90						5 IINCH
			574.60B/547.50A #409.80B/382.10A 374.80B/347.10A		571.70 + 22.90 406.70 + 22.90 371.70 + 22.90	1.0000 1.0000 1.0000					5 UNCH 2 UNCH 1 UNCH
  		#409.80B/382.10 374.80B/347.10A 324.80B/297.10A 314.80B/287.10A	574.60B/547.50A #409.80B/382.10A 374.80B/347.10A 324.80B/297.10A		406.70 + 22.90 371.70 + 22.90 321.70 + 22.90 311.70 + 22.90 306.70 + 22.90	1.0000 1.0000 1.0000 1.0000 1.0000 1.0000	   1				2 UNCH 1 UNCH 27 UNCH 50 UNCH 0 - 1
		#409.80B/382.10 374.80B/347.10A 324.80B/297.10A 314.80B/287.10A 309.80B/282.10A 304.80B/277.10A 299.80B/272.10A	574.608/547.50A #409.80B/382.10A 374.80B/347.10A 324.80B/297.10A 314.80B/287.10A 309.80B/282.10A 304.80B/277.10A 299.80B/272.10A	  	406.70 + 22.90 371.70 + 22.90 321.70 + 22.90 311.70 + 22.90 306.70 + 22.90 301.70 + 22.90 296.70 + 22.90 291.70 + 22.90	1.0000 1.0000 1.0000 1.0000 1.0000					2 UNCH 1 UNCH 27 UNCH 50 UNCH
     		#409.80B/382.10 374.80B/347.10A 324.80B/297.10A 314.80B/287.10A 309.80B/282.10A 304.80B/277.10A 299.80B/272.10A	574.608/547.50A #409.80B/382.10A 374.80B/347.10A 324.80B/297.10A 314.80B/287.10A 309.80B/282.10A 304.80B/277.10A 299.80B/272.10A	     	406.70 + 22.90 371.70 + 22.90 321.70 + 22.90 311.70 + 22.90 306.70 + 22.90 301.70 + 22.90 296.70 + 22.90 291.70 + 22.90 286.70 + 22.90 281.70 + 22.90 281.70 + 22.90	1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000	1  1 				2 UNCH 1 UNCH 27 UNCH 50 UNCH 0 - 1 2 UNCH 9 - 3 8 UNCH 52 UNCH 0 UNCH
	     	#409.80B/382.10 374.80B/347.10A 324.80B/297.10A 314.80B/287.10A 309.80B/282.10A 304.80B/277.10A 299.80B/272.10A	574.608/547.50A #409.80B/382.10A 374.80B/347.10A 324.80B/297.10A 314.80B/287.10A 309.80B/282.10A 304.80B/277.10A 299.80B/272.10A	      	406.70 + 22.90 371.70 + 22.90 321.70 + 22.90 311.70 + 22.90 306.70 + 22.90 301.70 + 22.90 291.70 + 22.90 286.70 + 22.90 281.70 + 22.90 281.70 + 22.90 276.70 + 22.90 271.70 + 22.90 271.70 + 22.90 271.70 + 22.90 272.70 + 22.90 271.70 + 22.90	1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000	1  1  3 				2 UNCH 1 UNCH 50 UNCH 0 - 1 2 UNCH 9 - 3 8 UNCH 52 UNCH 0 UNCH 114 UNCH 112 UNCH
		#409.80B/382.10 374.80B/347.10A 324.80B/297.10A 314.80B/287.10A 309.80B/282.10A 304.80B/277.10A 299.80B/272.10A	574.608/547.50A #409.80B/382.10A 374.80B/347.10A 324.80B/297.10A 314.80B/287.10A 309.80B/282.10A 304.80B/277.10A 299.80B/272.10A	      	406.70 + 22.90 371.70 + 22.90 371.70 + 22.90 311.70 + 22.90 306.70 + 22.90 301.70 + 22.90 296.70 + 22.90 291.70 + 22.90 286.70 + 22.90 281.70 + 22.90 276.70 + 22.90 271.70 + 22.90 271.70 + 22.90 266.70 + 22.90 261.70 + 22.90 261.70 + 22.90 251.70 + 22.90 251.70 + 22.90	1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000	1  3  22				2 UNCH 1 UNCH 27 UNCH 50 UNCH 0 - 1 2 UNCH 9 - 3 8 UNCH 52 UNCH 0 UNCH 114 UNCH 114 UNCH 115 UNCH 811 - 22 2 UNCH 548 UNCH
		#409.80B/382.10 374.80B/347.10A 324.80B/297.10A 314.80B/287.10A 309.80B/282.10A 304.80B/277.10A 299.80B/272.10A	574.608/547.50A #409.80B/382.10A 374.80B/347.10A 324.80B/297.10A 314.80B/287.10A 309.80B/282.10A 304.80B/277.10A 299.80B/272.10A	      	406.70 + 22.90 371.70 + 22.90 321.70 + 22.90 311.70 + 22.90 306.70 + 22.90 301.70 + 22.90 291.70 + 22.90 281.70 + 22.90 281.70 + 22.90 281.70 + 22.90 271.70 + 22.90 271.70 + 22.90 271.70 + 22.90 261.70 + 22.90	1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000	1  3   22				2 UNCH 1 UNCH 50 UNCH 0 - 1 2 UNCH 9 - 3 8 UNCH 52 UNCH 0 UNCH 114 UNCH 112 UNCH 811 - 22 2 UNCH 811 - 22 2 UNCH 969 UNCH 186 UNCH
		#409.80B/382.10 374.80B/347.10A 324.80B/297.10A 314.80B/287.10A 309.80B/282.10A 304.80B/277.10A 299.80B/272.10A	574.608/547.50A #409.80B/382.10A 374.80B/347.10A 324.80B/297.10A 314.80B/287.10A 309.80B/282.10A 304.80B/277.10A 299.80B/272.10A		406.70 + 22.90 371.70 + 22.90 371.70 + 22.90 311.70 + 22.90 311.70 + 22.90 306.70 + 22.90 301.70 + 22.90 296.70 + 22.90 291.70 + 22.90 281.70 + 22.90 276.70 + 22.90 271.70 + 22.90 266.70 + 22.90 266.70 + 22.90 261.70 + 22.90 261.70 + 22.90 261.70 + 22.90 261.70 + 22.90 261.70 + 22.90 261.70 + 22.90 261.70 + 22.90 261.70 + 22.90 261.70 + 22.90 261.70 + 22.90 261.70 + 22.90 261.70 + 22.90 261.70 + 22.90 261.70 + 22.90 261.70 + 22.90 261.70 + 22.90 261.70 + 22.90	1.0000 1.0000	1 3 22 22				2 UNCH 1 UNCH 27 UNCH 50 UNCH 0 - 1 2 UNCH 9 - 3 8 UNCH 52 UNCH 0 UNCH 114 UNCH 114 UNCH 115 UNCH 116 UNCH 117 UNCH 118 UNCH 118 UNCH 118 UNCH 119 UNCH 119 UNCH 119 UNCH 119 UNCH 119 UNCH
		#409.80B/382.10 374.80B/387.10 324.80B/297.10A 314.80B/287.10A 309.80B/282.10A 304.80B/277.10A 299.80B/272.10A 294.80B/267.10A 284.80B/267.10A 274.80B/247.10A 264.80B/252.10A 264.80B/237.10A 264.80B/237.10A 264.80B/237.10A 264.80B/237.10A 264.80B/237.10A 264.80B/237.10A 264.80B/237.10A 264.80B/237.10A 264.80B/237.10A 265.80B/232.10A 266.80B/237.10A 267.80B/232.10A 268.80B/232.10A 268.80B/232.10A 268.80B/232.10A 268.80B/232.10A 268.80B/232.10A 268.80B/232.10A 268.80B/232.10A 279.80B/277.10A 279.80B/277.10A 279.80B/277.10A 279.80B/277.10A 279.80B/277.10A 279.80B/277.10A 279.80B/277.10A 279.80B/277.10A 279.80B/277.10A 279.80B/277.00A 279.80B/277.00A 279.80B/277.00A	574, 608/547, 50A #409.808/382.10A 374.808/347.10A 324.808/287.10A 314.808/287.10A 309.808/282.10A 309.808/282.10A 299.808/277.10A 299.808/277.10A 299.808/277.10A 289.808/262.10A 284.808/267.10A 279.808/252.10A 274.808/257.10A 279.808/252.10A 274.808/247.10A 269.808/242.10A 264.808/237.10A 259.808/232.10A 244.808/217.10A 249.808/227.10A 244.808/277.10A 229.808/237.10A 224.808/277.10A 229.808/277.10A 239.808/277.10A 239.808/277.10A 239.808/277.10A 229.808/277.10A 229.808/277.10A 229.808/277.10A		406.70 + 22.90 371.70 + 22.90 371.70 + 22.90 311.70 + 22.90 311.70 + 22.90 306.70 + 22.90 296.70 + 22.90 291.70 + 22.90 281.70 + 22.90 281.70 + 22.90 271.70 + 22.90 261.70 + 22.90 261.70 + 22.90 261.70 + 22.90 261.70 + 22.90 261.70 + 22.90 261.70 + 22.90 261.70 + 22.90 261.70 + 22.90 271.70 + 22.90	1.0000 1.0000	3  22 				2 UNCH 1 UNCH 27 UNCH 0 - 1 2 UNCH 9 - 3 8 UNCH 50 UNCH 10 UNCH 114 UNCH 112 UNCH 112 UNCH 114 UNCH 12 UNCH 115 UNCH 116 UNCH 117 UNCH 1186 UNCH 1199 UNCH 1190 UNCH 1190 UNCH 1190 UNCH 120 UNCH 140 UNCH 140 UNCH 141 UNCH 142 UNCH 145 UNCH 146 UNCH 147 UNCH 147 UNCH 148 UNCH 149 UNCH 149 UNCH 140 UNCH 140 UNCH 141 UNCH 142 UNCH 145 UNCH 146 UNCH 147 UNCH 147 UNCH 148 UNCH 148 UNCH 149 UNCH 149 UNCH 140 UNCH 140 UNCH 141 UNCH 142 UNCH 145 UNCH
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## **METALS OPTIONS PRODUCTS**

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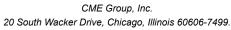
PG64	BULLET	rin # 9@		M	ETALS OPTION	PRODUCTS				Fri,	Jan 13,	, 2023 PG64
	GLOBEX OPEN	OPEN OUTCRY OPEN RANGE	GLOBEX HIGH/LOW	OPEN OUTCRY HIGH/LOW	OPEN OUTCRY CLOSE RANGE	SETT.PRICE & PT.CHGE.	DELTA	EXER CISES	OPEN OUTCRY VOLUME	GLOBEX <sup>®</sup> VOLUME	PNT VOLUME	OPEN INTEREST
OG CAI FEB23 1975 1980 1995 2000 2005 2010 2015 2010 2025 2030 2045 2050 2065 2070 2045 2080 2090 2095 2100 2115 2120 2125 2130 2115 2120 2125 2130 2135 2140 2145 2150 2175 2185 2170 2185 2185 2185 2185 2185 2185 2185 2185		COMEX GOLD OPT 2 20 2 30 2 80 1 70 2 10 1 20 1 100 1 50 0 90 1 10 0 60 0 70 0 50 0 50 0 50 0 50 0 50 0 50 0 30 0 3	4.908/2.00A 4.30B/1.80A 3.70B/2.80 3.20B/1.70 2.70/1.20A 2.50/1.10A 2.10/1.00 1.80B/1.50 1.60B/0.90 1.30/1.20 1.20/1.10 1.00B/0.60 0.90B/0.70 0.80/0.70 0.80/0.70 0.50/0.50 0.50/0.50 0.50/0.50 0.50/0.50 0.50/0.40 0.40B/ 0.30B/ 0.30/0.20 0.30/0.30 0.30/0.20 0.30/0.30 0.30/0.20 0.20B/ 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	4.908/2.00A 4.308/1.80A 3.708/2.80 3.208/1.70 2.70/1.20A 2.50/1.10A 2.10/1.00 1.808/1.50 1.608/ 1.30/1.20 1.20/1.10 1.008/0.60 0.908/0.70 0.808/ 0.80/0.70 0.50/0.50 0.50/0.50 0.50/0.50 0.50/0.40 0.408/ 0.30/0.20 0.30/0.20 0.30/0.20 0.30/0.20 0.30/0.20 0.208/ 0.208/ 0.208/ 0.208/ 0.10/0.10 0.10/*0.10		4.30 + 2.10 3.70 + 1.80 3.20 + 1.60 2.80 + 1.40 2.50 + 1.20 2.20 + 1.10 1.90 + 0.90 1.70 + 0.80 1.50 + 0.70 1.30 + 0.60 1.10 + 0.50 1.00 + 0.50 1.00 + 0.40 0.80 + 0.40 0.70 + 0.30 0.60 + 0.30 0.60 + 0.30 0.50 + 0.20 0.50 + 0.20 0.50 + 0.20 0.30 + 0.10 0.30 + 0.10 0.30 + 0.10 0.30 + 0.10 0.30 + 0.10 0.30 + 0.10 0.30 + 0.10 0.30 + 0.10 0.30 + 0.10 0.30 + 0.10 0.20 + 0.10 0.20 + 0.10 0.20 + 0.10 0.20 + 0.10 0.20 + 0.10 0.20 + 0.10 0.20 + 0.10 0.10 UNCH 0.	.1500 .1308 .1142 .1004 .0893 .0786 .0683 .0320 .0247 .0212 .0206 .0173 .0137 .0133 .0102 .0100 .0003 .0068 .00665 .0063 .0065 .0063 .0062 .0061 .0031 .0001 .0001 .0001 .0001 .0001 .0001 .0001 .0000	CISES	VOLUME	109 144 16 18 9 1704 162 8 215 5 4 20 449 9 15 15 8 8	VOLUME	1NTEREST  636 + 17 325 + 102 403 + 3 298 + 1 71 - 6 3532 + 211 900 + 5 1600 + 24 1011 UNCH 297 + 9 1261 - 5 169 - 2 94 + 2 417 - 6 528 UNCH 1303 - 62 58 + 3 66 - 13 24 - 9 148 + 6 237 + 2 144 UNCH 45 - 10 466 UNCH 1958 + 30 147 - 6 90 UNCH 1958 + 3 121 UNCH 1958 + 1 221 UNCH 1958 + 1 27 UNCH 197 UNCH 198 UNCH 197 UNCH 198 UNCH 199 UNCH 191 UNCH 191 UNCH 193 UNCH 194 UNCH 197 UNCH 198 UNCH 199 UNCH 199 UNCH 199 UNCH 199 UNCH 191 UNCH 197 UNCH 197 UNCH 198 UNCH 199 UNCH 199 UNCH 191 UNCH 197 UNCH 198 UNCH 199 UNCH 191 UNCH 193 UNCH 194 UNCH 195 UNCH 196 UNCH 197 UNCH 198 UNCH 199 UNCH 199 UNCH 199 UNCH 199 UNCH 191 UNCH 191 UNCH 191 UNCH 193 UNCH 194 UNCH 195 UNCH 196 UNCH 197 UNCH 198 UNCH 199 UNCH 191 UNCH 193 UNCH 194 UNCH 195 UNCH 196 UNCH 197 UNCH 197 UNCH 198 UNCH 199 UNCH 191 UNCH 192 UNCH 193 UNCH 194 UNCH 195 UNCH 197 UNCH 198 UNCH 199 UNCH 191 UNCH 192 UNCH 193 UNCH 194 UNCH 195 UNCH 197 UNCH 198 UNCH 199 UNCH 197 UNCH 198 UNCH 199 UNCH 197 UNCH 198 UNCH 199 UNCH 198 UNCH 199 UNCH 198 UNCH 198 UNCH 199 UNCH 197 UNCH 198 UNCH 199 UNCH 199 UNCH 199 UNCH 199 UNCH 199 UNCH 190 UNCH 191 UNC
MAR23 1350 1525 1595 1600 1605 1610 1615 1625 1630 1645 1650 1665 1670 1675 1685 1710 1720 1725 1730 1735 1745 1755 1760 1775 1760 1775 1780 1775 1780 1780 1785 1805 1815 1825 1830	247.00 	247.00	#591.00B/564.30 #416.50B/388.90 #346.50B/313.90A #336.50B/308.90 #331.50B/303.90 #331.50B/303.90 #326.50B/298.90 #321.50B/293.90 #321.50B/293.90 #321.50B/293.90 #321.50B/283.90 #321.70B/243.90A 266.60B/244.10A 266.80B/239.90A 271.60B/244.10A 266.80B/239.90A 261.70B/234.20A 261.70B/234.20A 261.70B/234.20A 261.70B/234.20A 261.70B/234.20A 261.70B/234.20A 261.70B/234.20A 261.70B/234.20A 261.70B/239.90A 261.70B/299.50A 261.20B/185.10A 272.00B/199.70A 282.00B/194.80A 277.20B/185.10A 207.30B/180.20A 202.30B/175.40A 197.40B/170.50A 197.40B/170.90A 182.80B/156.10A 177.90B/151.30A 173.10B/146.60A 183.50B/137.20A 158.70B/123.10A 144.60B/118.60A 135.10B/109.70A 130.50B/105.30A 121.50B/96.70A 117.00B/92.50A	168.408/141.70A 163.50B/137.20A 158.70B/132.50A 153.90B/127.90A 149.20B/123.10A 144.60B/118.60A 139.80B/114.10A		\$88.50 + 23.00 413.50 + 23.00 343.50 + 23.00 338.50 + 23.00 338.50 + 23.00 338.50 + 23.00 328.50 + 23.00 318.50 + 23.00 318.50 + 23.00 318.50 + 23.00 318.50 + 23.00 218.50 + 23.00 228.50 + 23.00 228.50 + 23.00 228.50 + 23.00 228.50 + 23.00 228.50 + 22.90 238.50 + 22.90 278.50 + 22.90 278.50 + 22.90 263.60 + 22.90 263.60 + 22.90 253.60 + 22.90 258.60 + 22.90 258.80 + 22.90 258.80 + 22.90 258.60 + 22.90 258.60 + 22.90 258.60 + 22.90 258.60 + 22.90 258.60 + 22.90 258.60 + 22.90 258.60 + 22.90 258.60 + 22.90 258.60 + 22.90 258.60 + 22.90 258.60 + 22.90 258.60 + 22.90 258.60 + 22.90 258.60 + 22.90 258.60 + 22.90 258.60 + 22.90 258.60 + 22.90 258.60 + 22.90 258.60 + 22.10 258.70 + 22.10 258.80	1.0000 .9981 .9973 .9953 .9951 .9950 .9949 .9946 .9924 .9922 .9920 .9898 .9896 .9876 .9874 .9852 .9874 .9852 .9874 .9854 .9854 .9858 .9894 .9876 .9719 .9697 .9671 .9671 .9611 .9628 .9638					3 UNCH 1 UNCH 0 UNCH 3 UNCH 1 UNCH 0 UNCH 1 UNCH 6 UNCH 1 UNCH 2 UNCH 1 UNCH 2 UNCH 1 UNCH 2 UNCH 1 UNCH 2 UNCH 1 UNCH 3 UNCH 1 UNCH 2 UNCH 1 UNCH 1 UNCH 2 UNCH 1 UNCH 3 UNCH 1 UNCH 3 UNCH 4 UNCH 3 UNCH 4 UNCH 3 UNCH 4 UNCH 5 UNCH 3 UNCH 4 UNCH 5 UNCH 6 UNCH 6 UNCH 7 UNCH

## **METALS OPTIONS PRODUCTS**

Side 15

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





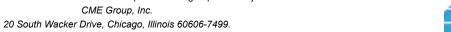


			Ci	PRELIMINA	RY 830-1000							
PG64 BULLET	IN # 9@		1	METALS OPTION F	PRODUCTS				Fri,	Jan 13,	2023	PG64
GLOBEX OPEN	OPEN OUTCRY OPEN RANGE	GLOBEX HIGH/LOW	OPEN OUTCRY HIGH/LOW	OPEN OUTCRY CLOSE RANGE	SETT.PRICE & PT.CHGE.	DELTA	EXER CTSES	OPEN OUTCRY VOLUME	GLOBEX®			OPEN REST
OG CALL MAR23	COMEX GOLD OPTI	IONS					01525	V020.12	V0201.12	7020.12	22	
OPEN	OPEN RANGE	HIGH/LOW	OPEN OUTCRY HIGH/LOW  112.60B/88.40A 108.20B/84.30A 103.90B/80.00 99.60B/76.50A 95.40B/72.80A 91.30B/69.10A 87.20B/65.50A 83.30B/62.00A 79.40B/58.60A 75.60B/55.40A 75.60B/55.40A 75.60B/55.40A 75.60B/55.40A 68.30B/49.00A 66.90B/45.90A 61.50B/41.30 68.20B/40.20A 55.10B/37.60A 55.10B/37.60A 55.10B/37.60A 55.10B/37.60A 55.10B/37.60A 55.10B/37.60A 55.10B/37.60A 55.10B/37.60A 55.10B/37.10A 43.70B/28.90A 41.10B/27.10A 38.70B/25.30A 36.40B/23.60A 34.200/22.00A 32.00/20.50A 30.00B/19.10A 28.10B/17.80A 26.30B/16.50A 24.70/15.40A 23.10B/14.30A 21.60B/13.30A 20.30/12.40A 18.90/11.50A 17.70/10.70A 16.40B/10.00A 15.30B/9.20A 14.40/8.60A 13.30B/8.00A 12.40/7.40A 11.60B/6.80 10.80B/6.50A 8.20/4.60 7.70B/4.50A 7.20B/4.20A 6.70B/3.90A 6.30B/4.20 5.90/3.40A 5.50B/3.80 6.70B/3.90A 6.30B/4.20 5.90/3.40A 5.50B/3.90A 6.30B/4.20 5.90/3.40A 5.50B/3.80 6.70B/3.90A 6.30B/4.20 5.90/3.40A 5.50B/3.80 6.70B/3.90A 6.30B/4.20 5.90/3.40A 5.50B/3.80 6.30B/4.20 5.90/3.40A 5.50B/3.80 6.30B/4.20 5.90/3.40A 5.50B/3.80 6.30B/4.20 5.90/3.40A 5.50B/3.80 6.30B/4.20 6.30B/4.20 6.30B/4.20 6.30B/4.20 6.30B/4.20 6.30B/4.20 6.30B/4.20 6.30B/6.50A 6.30B				EXER CISES		GLOBEX® VOLUME  100	PNT VOLUME	INTE  50 - 412 - 2980 + 370 - 3150 - 3118 - 316 + 364 + 365 + 366	
2700 0.10 2750 2800 2850	0.10  	0.10/0.10  	0.10/0.10  	  	0.10 UNCH 0.10 UNCH 0.10 UNCH 0.10 UNCH	.0008 .0004 .0002 .0001			1 		1226 + 457 194 182	1 UNCH UNCH UNCH
2850 2900 3950 3600 TOTAL				  	0.10 UNCH 0.10 UNCH 0.10 UNCH 0.10 UNCH 0.10 UNCH	.0001			13913	  500	251 425 864 155 86652+	UNCH UNCH UNCH UNCH UNCH 2950
1000 1250 1300 1400 1510 1575 1585 1600 1605 1615 1620 321.70	     321.70	·	#940.50B/914.80A #690.70B/664.60A #640.70B/614.60A 540.80B/514.60A 490.90B/464.40A #30.80B/404.60A 391.00B/364.40A #365.90B/338.70A #356.00B/329.60A #346.10B/319.70A #336.20B/309.70A #331.20B/304.60A #331.20B/304.60A	       	938.50 + 23.00 688.50 + 23.00 538.50 + 23.00 538.50 + 23.00 488.50 + 23.00 488.50 + 23.00 363.50 + 23.00 363.50 + 23.00 343.50 + 23.00 343.50 + 22.90 338.50 + 22.90 338.50 + 22.90 338.50 + 22.90 338.50 + 22.80	1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 9983 .9943 .9923 .9906 .9889 .9886 .9871 .9869 .9853			7		6 1 23 26 45 1 5 1 7 83 3 7 8 11 -	UNCH UNCH UNCH UNCH UNCH UNCH UNCH UNCH

## **METALS OPTIONS PRODUCTS**

Customer Service: (312) 930-1000 PRELIMINARY



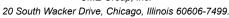


Side 16

Martin   M						PRELIMI	MAINI						
Column	PG64				M	ETALS OPTIO	N PRODUCTS				Fri,	Jan 13,	, 2023 PG64
Column								DELTA		OUTCRY			
The color of the	06.0	NI I	COMEX COLD O	PTTONS					CISES	VOLUME	VOLUME	VOLUME	INTEREST
The color	APR23	3			#316.90B/289.20A		313.60 + 22.80	.9838					17 UNCH
	1630 1635			#306.50B/279.90	#306.50B/279.90A		308.60 + 22.70 303.70 + 22.70	.9820					6 UNCH 12 UNCH
Column	1645			#296.60B/270.20	#296.60B/270.20A		293.80 + 22.60	.9802					15 UNCH
The color of the	1655			#286.70B/260.50	#286.70B/260.50A		283.90 + 22.50	.9771					27 UNCH
100   11	1665 1670			276.90B/250.60A 272.00B/245.70A	276.90B/250.60A 272.00B/245.70A		269.20 + 22.50	.9724					28 UNCH 65 UNCH
100   11	1680			262.20B/235.90A	262.20B/235.90A		259.40 + 22.40	.9691					11 UNCH
100   100	1690			252.50B/226.30A 247.60B/221.40A	252.50B/226.30A 247.60B/221.40A		249.60 + 22.20 244.80 + 22.20	.9646					15 UNCH 6 UNCH
100   100	1705			237.90B/212.00A	237.90B/212.00A		235.10 + 22.10	.9582					226 UNCH
17.   17.	1715			228.30B/202.50A	228.30B/202.50A		225.50 + 22.00	.9524					252 UNCH
1966   1966	1725 1730	214.50	214.50	219.10B/192.60A 214.50/188.30A	219.10B/192.60A 214.50/188.30A		215.90 + 21.80 211.10 + 21.70	.9464 .9433			1		273 UNCH 3 - 1
100   100	1740			204.50B/179.10A	204.50B/179.10A		201.70 + 21.60	.9350					152 UNCH
100   100	1750			195.40B/169.40A 190.30B/164.90A	195.40B/169.40A 190.30B/164.90A		192.30 + 21.40 187.60 + 21.30	.9266 .9223			1		969 UNCH 4 UNCH
17.   17.	1765			181.10B/155.90A	181.10B/155.90A		178.40 + 21.00	.9126					5 UNCH
The color of the	1775			172.30B/147.10A	172.30B/147.10A		169.30 + 20.80	.9008					104 UNCH
100   100	1785 1790			163.30B/138.40A 158.80B/134.10A	163.30B/138.40A 158.80B/134.10A		160.30 + 20.50 155.80 + 20.20	.8888 .8814					1 UNCH 155 UNCH
13   13   13   13   13   13   13   13	1800			150.00B/125.80A	150.00B/125.80A		147.10 + 19.90	.8666			8		1502 UNCH
1806   18.00	1810			141.30B/117.60A	141.30B/117.60A		138.50 + 19.50	.8506					351 UNCH
183 19-50 113-50 130-50-09-10-10-11-10-10-10-10-10-10-10-10-10-10-	1820 1825			132.90B/109.70A 128.70B/105.90A	132.90B/109.70A 128.70B/105.90A		130.10 + 19.00 126.00 + 18.80	.8323 .8223			2		134 - 2 314 UNCH
1848 287 000 97 000 113, 700, 713 000 113, 700,	1835	119.50	119.50	120.60B/98.40A	120.60B/98.40A		118.00 + 18.30	.8017			2		131 UNCH
1860 9-7-10	1845 1850	99.00 101.00	99.00 101.00	112.70B/91.20A 108.90B/87.70A	112.70B/91.20A 108.90B/87.70A		110.20 + 17.80 106.40 + 17.50	.7796 .7676			26 10		162 UNCH 1933 + 3
1270 272-00 772-00 94 120 774-00 04 120 774-	1860			101.30B/81.00A	101.30B/81.00A		99.00 + 16.80	.7431					58 UNCH
1885	1870	76.00	76.00	94.10B/74.60A 90.70B/71.30A	94.10B/74.60A 90.70B/71.30A		91.90 + 16.20 88.50 + 15.90	.7166			1 20		16 UNCH 573 - 5
1865 52.0 52.0 77, 600,79 500,79 500 77, 600,79 500	1885			83.90B/65.60A	83.90B/65.60A		81.90 + 15.20	.6749					88 UNCH
1905	1895			77.60B/59.90A	77.60B/59.90A		75.60 + 14.50	.6455			. 6		140 UNCH
1202   20.70	1905 1910			71.50B/54.30A 68.60B/51.80A	71.50B/54.30A 68.60B/51.80A		69.60 + 13.70 66.80 + 13.40	.6155 .6003					49 UNCH 28 UNCH
1599 50.00 \$0.00 \$7.00.44.00A \$7.00A	1920	50.70	50.70	63.10B/47.20A	63.10B/47.20A		61.30 + 12.60	.5695			1		23 + 1
1945 41.00 41.00 51.0074.40A 51.0074.40A 42.00 41.00 41.00 51.0074.40A 51.0074.40A 42.00 42.00 42.00 42.00 42.00 42.00 42.00 44.0074.40A 44.00 40.00 40.00 42.00 4	1930	50.90	50.90	57.90B/43.00A 55.50B/41.10A	57.90B/43.00A 55.50B/41.10A		56.20 + 11.80 53.80 + 11.50	.5386 .5231			10 6		116 + 3 127 UNCH
1856 24.40	1945	41.00	41.00	51.00/37.40A	51.00/37.40A		49.20 + 10.80	.4924			15		35 + 1
1965   3-70   3-70   22-50   22-50   23-50	1955	42.40	42.40	46.40B/34.10A	46.40B/34.10A		45.00 + 10.10	.4622			1		67 + 1
1980 28.10 35.096/26.60A 35.096/26.00A 35.09	1965 1970	39.20	39.20	42.40B/30.80A 40.50B/29.40A	40.50B/29.40A		41.00 + 9.40 39.20 + 9.10	.4326 .4183			4		54 UNCH 249 + 2
1990	1980	28.10	28.10	36.90B/26.60A	36.90B/26.60A		35.70 + 8.50	.3901			32		1262 UNCH
2005 2-00	1990			33.60B/24.20A 32.10B/23.00A	33.60B/24.20A 32.10B/23.00A		32.50 + 7.90 31.00 + 7.60	.3631 .3500					66 + 9 48 UNCH
2015 1-10	2005			29.20B/20.80A	29.20B/20.80A		28.10 + 6.90	.3245			1		5 UNCH
23.108/145-30A   23.1	2015			26.60B/18.90A 25.40B/18.00A	26.60B/18.90A 25.40B/18.00A		25.60 + 6.40 24.40 + 6.20	.3008			21		18 UNCH 103 + 21
2040 20.10 20.10 21.00 2	2030			23.10B/16.30A	23.10B/16.30A		22.10 + 5.60	.2670			11		27 + 1
15.10   15.1	2040	20.10	20.10	21.00B/14.80A	21.00B/14.80A		20.10 + 5.20	.2466			24	735	761 + 552
2065   12.10   13.00   13.30   13.30   13.509/11.00A   13.009/11.00A   13.10   13.70   13.10   13.50   13.10   13.50   13.10	2050 2055			19.10B/13.40A 18.20B/12.70A	19.10B/13.40A 18.20B/12.70A		18.30 + 4.80 $17.40 + 4.50$	.2276 .2182			251 		1915 + 67 19 UNCH
2075   10.40   10.40   15.10/10.40   15.10/10.40   14.40   3.80   1.851   782   100   789   497	2065	12.10	12.10	16.60B/11.60A	16.60B/11.60A		15.80 + 4.10	.2008			12		34 + 12
2009   11.20   11.20   13.208/9.10A   13.208/9.10A   13.208/9.10A   12.508/8.50   12.508/8.50   12.508/8.50   12.508/8.50   12.508/8.50   12.508/8.50   12.508/8.50   12.508/8.50   12.508/8.50   12.508/8.50   12.508/8.50   12.508/8.50   12.508/8.50   12.508/8.50   12.508/8.50   12.508/8.50   12.508/8.50   12.508/8.50   12.508/7.90A	2075	10.40 13.30	10.40 13.30	15.10/10.40 14.40B/10.00A	15.10/10.40 14.40B/10.00A		14.40 + 3.80 $13.70 + 3.60$	.1851 .1773				100 100	789 + 497 455 + 101
2100   8.80   8.80   12.20/8.60   12.20/8.60   12.20/8.60   11.40   3.10   1503   2222   2683   858   850   8.50   8.50   11.508/7.90A   11.508/7.90A   10.90   3.00   1.442   2.00   8.7   1.	2090	11.20	11.20	13.20B/9.10A	13.20B/9.10A		12.50 + 3.30	.1633					166 - 11
11.0	2100	8.80	8.80	12.20/8.60	12.20/8.60		11.40 + 3.10	.1503			2222		2683 + 858
2125   7.50   7.50   9.608/7.50   9.608/7.50   9.10   1.222   7   60   1   1.2135   1.2130   7.40   7.400   9.208/7.40   9.208/7.40   8.70   2.400   1.172   1   1.19   1   1.2135   1.2135   1.2130   1.123   1.2130   1.123   1.2130   1.123   1.2130   1.123   1.2130   1.123   1.2130   1.123   1.2130   1.123   1.2130   1.123   1.2130   1.123   1.2130	2110 2115	8.60	8.60	10.50B/7.40	10.50B/7.40		9.90 + 2.70	.1323			13		19 + 9
12155	2125	7.50	7.50	9.60B/7.50	9.60B/7.50		9.10 + 2.50 8.70 + 2.40	.1222			7		60 + 1 $119 + 1$
2155   5.20   5.20   7.808/5.20   7.808/5.20     7.30 + 2.00   .09955     35     194   7     7.108/   7.408/   7.408/   7.408/   7.00 + 1.90   .0956     1     12 + 1     1216     7.108/	2135 2140	6.80	6.80	8.80B/ 8.40B/6.80	8.80B/ 8.40B/6.80		8.30 + 2.30 8.00 + 2.20	.1123 .1083					6 UNCH 73 + 1
100   100	2150	5.20	5.20	7.80B/5.20	7.80B/5.20		7.30 + 2.00	.0995			3 35 1		194 - 7
1.10	2160 2165	5.20	5.20	7.10B/ 6.80B/5.20	7.10B/ 6.80B/5.20		6.70 + 1.90 $6.40 + 1.80$	.0917 .0879			17 19		97 - 1 43 + 13
2185   5.808/   5.808/   5.508/   5.50   1.60   0.757       3   UNCH     2195   5.00   5.00   5.308/5.00   5.308/5.00     5.608/   5.10   1.50   0.729       73   UNCH     2195   5.00   5.00   5.203.90   5.203.90     4.90   1.40   0.6675     1132     1740   600     2205   4.80   4.80   4.908/4.80   4.908/4.80     4.708/   4.50   1.30   0.623       30   UNCH     2215     4.608/   4.608/   4.408/   4.20   1.20   0.580       37   UNCH     2220     4.408/   4.208/   4.208/   4.20   1.20   0.580       38   UNCH     2235     4.608/   4.208/   4.208/   4.20   1.20   0.565       115   UNCH     2236     3.808/   3.808/   3.808/   3.70   1.20   0.0524     33   33   33     2240     3.808/   3.808/   3.508/   3.508/   3.404   1.00   0.0469     3.308/   3.408/   3.408/   3.404   1.00   0.0469     3.308/   3.408/   3.408/   3.408/   3.308/   3.408/   3.200   1.00   0.0484       3.408/   3.408/   3.208/	2175	5.00	5.00	6.30B/5.00	6.30B/5.00		5.90 + 1.60	.0813			3		99 UNCH
2195   5.00   5.00   5.30B/5.00   5.30B/5.00     5.10 + 1.50   0.702     2     34 + 2   2   200   3.90   3.90   5.20/3.90   5.20/3.90     4.90B/4.80     4.90B/4.80     4.70B/     4.70B/     3.0   0.649       3.0   0.649	2185 2190			5.80B/ 5.60B/	5.80B/ 5.60B/		5.50 + 1.60 5.30 + 1.50	.0757 .0729					3 UNCH 73 UNCH
2210         4.708/       4.708/        4.50 + 1.30       .0623         30       UNCH         2215         4.408/       4.408/       4.20 + 1.20       .0580          37       UNCH         2225         4.208/       4.208/        4.10 + 1.20       .0565         37       UNCH         2235         4.108/       4.108/       3.908/       3.808/       3.808/       3.808/       3.808/       3.808/       3.808/       3.808/       3.808/       3.808/       3.70       1.20       .0524/       3       3.3       24       1         2245        3.608/       3.608/       3.508/       3.50       1.20       .0524/	2195 2200	3.90	3.90	5.30B/5.00 5.20/3.90	5.30B/5.00 5.20/3.90		5.10 + 1.50 4.90 + 1.40	.0702 .0675					34 + 2 $1740 + 600$
2220        4. 408/       4. 408/       4. 208 <t< td=""><td>2210</td><td></td><td></td><td>4.70B/</td><td>4.70B/</td><td></td><td>4.50 + 1.30</td><td>.0623</td><td></td><td></td><td></td><td></td><td>30 UNCH</td></t<>	2210			4.70B/	4.70B/		4.50 + 1.30	.0623					30 UNCH
2230        4.108/       4.108/       3.90 + 1.20       .0539         38       UNCH         2235        3.908/       3.808 + 1.20       .0524        3        3.3 + 3       3       24 + 1       1       2245        3.608/       3.608/       3.508/       3.50       1.00       .0484         20       UNCH       UNCH       2255        3.508/       3.408/       3.40       1.00       .0454         3       4 UNCH       2255        3.308/       3.308/       3.30       1.00       .0454         34       UNCH       2256        3.308/       3.308/       3.20       1.00       .0454         3.40       1.00       .0454         3.40       1.00       .0454         3.40       1.00       .0454         3.60       1.00       .040        1.00       .040        1.00       .040        1.00       .040        1.00       .040        1.00	2220 2225			4.40B/ 4.20B/	4.40B/ 4.20B/		4.20 + 1.20 4.10 + 1.20	.0580 .0565					37 UNCH 115 UNCH
2245        3.608/       3.608/        3.508/        20 UNCH         2250         3.408/       3.408/       5       1740 UNCH         2255         3.408/       3.408/       3.30 + 1.00 .0454         34 UNCH         2260        3.208/       3.208/       3.208/       1       86 + 1         2270       3.00       3.00       3.00/3.00       3.00/3.00       3.00/3.00        3.10 + 1.00       .0426        1       8 + 1         2275       2.70       2.908/2.70       2.908/2.70        3.00 + 1.00       .0412        1       18 + 1         2280       2.20       2.70       2.908/2.70       2.908/2.70        2.90       1       138 UNCH         2280       2.20       2.20       2.808/2.20       2.808/2.20        2.70 -0.90       .0384        1       138 UNCH         2290         2.608/       2.708/2.50        2.70 -0.90       .0384        2       138 + 2	2230 2235			4.10B/ 3.90B/	4.10B/ 3.90B/		3.90 + 1.20 3.80 + 1.20	.0539 .0524			3		38 UNCH 33 + 3
2255        3. 408/       3. 408/       3. 408/        3. 30 + 1.00       .0454         34 UNCH         2265         3. 208/        3. 20 + 1.00       .0440        1       86 + 1         2265         3. 208/        3. 10 + 1.00       .0426        1       8 + 1         2275       2.70       2. 908/2.70       2. 908/2.70        3. 00 + 1.00       .0412        1       17 + 1         2285       2.20       2.20       2. 808/2.20       2. 808/2.20        2. 80 + 0.90       .0384         1       138 + UNCH         2285       2.50       2. 708/2.50       2. 708/2.50        2. 708/2.50        2. 70 + 0.90       .0384         2       138 + 2         2290         2. 608/       2. 708/2.50        2. 709 + 0.90       .0384         1       17 + UNCH         2290         2. 608/       2. 509/1.70        2. 60 + 0.80       .0357<	2245			3.60B/ 3.50B/	3.60B/ 3.50B/		3.50 + 1.00	.0484					20 UNCH
2270 3.00 3.00 3.00/3.00 3.00/3.00 3.00/3.00 1.00 0.0412 1.1 17 + 1 2275 2.70 2.70 2.908/2.70 2.908/2.70 2.90 + 0.90 0.398 1.1 138 UNCH 2280 2.20 2.20 2.808/2.20 2.808/2.20 2.808/2.20 2.80 + 0.90 0.384 2 2 138 + 2 2285 2.50 2.50 2.50 2.708/2.50 2.708/2.50 2.708/2.50 2.608/ 2.608/ 2.608/ 3.00 0.370 1.1 7 UNCH 2290 2.608/ 2.608/ 2.608/ 3.0 UNCH 2300 1.70 1.70 2.50/1.70 2.50/1.70 2.40 + 0.70 0.330 31 1287 + 29 2310 2.10 2.10 2.308/2.10 2.308/2.10 2.308/2.10 2.30 + 0.70 0.314 1 9 + 1 2320 2.208/ 2.208/ 2.208/ 40 UNCH	2255 2260			3.40B/ 3.30B/	3.40B/ 3.30B/		3.30 + 1.00 $3.20 + 1.00$	.0454 .0440			1		34 UNCH 86 + 1
2280       2.20       2.808/2.20       2.808/2.20       2.808/2.20       2.808/2.50        2.80 + 0.90       .0384        2        138 + 2         2285       2.50       2.50       2.708/2.50       2.708/2.50        2.70 + 0.90       .0370        1        7       UNCH         2290        2.608/       2.509/        2.60 + 0.80       .0357         3       UNCH         2300       1.70       1.70       2.50/1.70       2.50/1.70        2.40 + 0.70       .0330         31        1287 + 29         2310       2.10       2.10       2.308/2.10       2.308/2.10        2.30 + 0.70       .0314         9 + 1         2320         2.208/        2.10 + 0.60       .0288         40       UNCH	2270	3.00	3.00	3.00/3.00	3.00/3.00		3.00 + 1.00	.0412			1 1 1		17 + 1
2290 2.608/ 2.608/ 2.608/ 2.608/ 3 UNCH 2300 1.70 1.70 2.50/1.70 2.50/1.70 2.40 + 0.70 0.330 31 1287 + 29 2310 2.10 2.10 2.308/2.10 2.308/2.10 2.30 + 0.70 0.314 1 9 + 1 2320 2.208/ 2.208/ 2.208/ 40 UNCH	2280 2285	2.20 2.50	2.20 2.50	2.80B/2.20 2.70B/2.50	2.80B/2.20 2.70B/2.50		2.80 + 0.90 2.70 + 0.90	.0384 .0370			2 1		138 + 2 7 UNCH
2320 2.20B/ 2.20B/ 2.10 + 0.60 .0288 40 UNCH	2290 2300	1.70	1.70	2.60B/ 2.50/1.70	2.60B/ 2.50/1.70		2.60 + 0.80 2.40 + 0.70	.0357 .0330			31		3 UNCH 1287 + 29
THE INFORMATION CONTAINED IN THIS REPORT IS COMPILED FOR THE CONVENIENCE OF THE USER AND IS FURNISHED WITHOUT RESPONSIBILITY FOR ACCURACY OR CONTENT. IT	2320			2.20B/	2.20B/		2.10 + 0.60	.0288					40 UNCH

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Fri, PG64 BULLETIN # 9@ METALS OPTION PRODUCTS Jan 13, 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 2.10/1.80 2.008/----2.00/2.00 1.80/1.50 1.708/1.60 1.60/1.60 1.508/---1.40/1.30 1.208/---1.00/0.80 0.908/---0.808/0.60 0.708/---0.608/---0.408/---0.30/0.20 2.10/1.80 2.00b/----2.00/2.00 1.80/1.50 1.70b/1.60 1.60/1.60 1.50b/---1.40/1.30 0.90b/---1.00/0.80 0.90b/---0.80b/0.60 0.70b/---0.40b/---0.40b/---0.30/0.20 1.80 2325 2330 2340 2350 2360 2375 2400 2425 2450 2475 2500 2525 2500 2700 3000 1.80 2.10 2.00 1.90 1.80 1.70 1.60 1.30 1.10 0.90 0.90 0.60 0.40 0.20 .0286 .0273 .0258 .0244 .0230 .0216 .0204 .0175 .0148 .0133 .0118 .0104 .0090 .0077 .0047 71 68 8 1421 18 137 134 671 63 67 25 902 139 151 990 490 50118 6 UNCH UNCH 872 6 14 UNCH 24 1 11 UNCH 6 UNCH UNCH UNCH 110 4468 2.00 1.50 1.60 1.60 2.00 1.50 1.60 1.60 911 7 14 44 1 11 ----7 1.30 1.30 0.80 0.80 0.60 0.60 0.20 0.20 1,460 TOTAL MAY23 #707.60B/681.30
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#329.40B/273.00
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#2285.30B/258.10
#280.00B/253.90
#275.20B/294.30
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#276.40B/244.30
#266.10B/230.50
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#271.00B/251.30B/225.60
#246.60B/231.70
#241.90B/216.30
#2227.80B/201.90
#223.20B/197.40
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#214.30B/318.40A
#205.00B/175.20
#181.70B/166.50
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#187.70B/18.40A
#161.40B/137.60
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#10.30B/81.10A
#29.30B/17.70A
#25.50B/104.20A
#11.10B/91.20A
#10.100B/82.10A
#1.90B/55.90A
#1.50B/73.70A
#4.50B/59.90A
#1.50B/73.70A
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#567.70B/631.60A
#407.80B/380.40A
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#328.70B/302.20A
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19.30

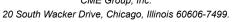
19.30

18.10B/14.50 17.60B/16.60

#### **METALS OPTIONS PRODUCTS**

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









Customer Service: (312) 930-1000 PRELIMINARY Fri, PG64 BULLETIN # 9@ METALS OPTION PRODUCTS Jan 13, 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 6.10/4.50 5.508/---5.208/---5.108/---4.908/---4.408/---3.908/---3.808/---2.20/1.80 1.808/---2.20/1.80 1.808/---1.708/1.40 #1.408/1.20 0.90/0.90 6.10/4.50 5.508/---5.208/---5.108/---4.908/---4.408/---3.908/---3.808/---3.408/2.50 2.908/---2.20/1.80 1.808/---1.708/1.40 #1.408/1.20 0.90/0.90 4.50 36 --------5 2 5.80 5.40 5.10 5.00 4.90 4.20 4.20 3.90 3.40 3.00 2.70 2.20 2.80 1.50 0.90 185 11 11 25 4.50 .0649 .0608 .0574 .0562 .0549 .0493 .0470 .0447 .0380 .0335 .0299 .0241 .0218 .0195 .0160 .0093 1.40 1.20 1.10 1.20 1.100 1.00 1.00 0.80 0.70 0.60 0.60 0.50 0.30 46 2 177 44 200 60 21 129 2.50 2.50 50 16 11 ---1.80 1.80 16 7 2 655 1.50 1.20 0.90 1.50 1.20 0.90 36 34 209 13841 500 TOTAL JUN23 #557.30B/531.90
#507.50B/481.80
#507.50B/481.80
#482.40B/456.40
#472.50B/440.40
#472.50B/440.40
#472.50B/440.40
#473.70B/405.60
#408.80B/380.90
#388.00B/362.40
#388.00B/362.40
#388.40B/342.50
#388.00B/362.40
#368.40B/342.50
#373.30B/347.60
#368.40B/342.50
#373.30B/347.60
#368.40B/342.50
#329.60B/324.40
#329.60B/304.00
#320.00B/294.40
#311.10B/284.00
#329.60B/304.00
#329.60B/304.00
#287.20B/260.40
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#281.90B/258.30
#264.40/237.30A
2253.90B/228.30
#244.70B/219.40
#240.80B/214.90
#226.20B/210.50
#231.70B/201.10
#222.80B/197.40
2218.30B/1213.90B/188.80
#209.50B/184.60
#209.50B/186.60
#183.90B/187.20
#171.70B/186.00
#184.00B/19.60A
#184.00B/160.00A
#184.00B/160.00A
#167.70B/152.20A
#171.70B/184.40
#163.80B/143.00A
115.90B/813.50A
123.40B/103.60A
123.40B/103.60A
124.70B/163.00A
125.40B/163.00A
126.80B/163.20A
175.50B/63.20A
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17.50B/94.00A
18.50B/94.70A
10.50B/94.90A
10.50B/94.90 #557.308/531.90A
#507.508/481.80A
#482.408/456.40A
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#4472.508/446.70A
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#438.708/405.60A
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#388.80/836.30A
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#321.108/284.40A
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#281.908/256.70A
#277.208/251.90A
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#278.308/223.80A
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#243.608/210.50A
#231.708/206.10A
#231.708/206.10A
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#227.208/201.70A
#222.808/197.40A
#236.208/210.50A
#231.708/206.10A
#213.908/188.80A
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#191.308/60.90A
#108/91.90A
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103.308/71.70A
#192.408/168.00A
#167.708/144.60A
#168.008/133.50A
4108/27.90A
133.608/113.00A
141.008/119.60A
133.808/113.00A
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142.008/85.50A
308/74.00A
313.608/13.50A
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21.50 -----1400 1450 1475 1485 1500 1525 1570 1575 1585 1590 1605 1615 1630 1640 1650 1660 200 4388 222 27 1 122 2 3 6 6 2 1 1 2 5 50 91 312 749 3 4 6 10 94 8 201 264.40 264.40 1 22 1058 216.90 216.90 --------30 23 219 2 11 16500 13 466 40 50 50 52 10 40600 77 77 73 32 2165 2044 144 147 12 200 42 4279 16 52 28 83 30 30 6302 85 166 101 111053 40 41111 11053 40 40 157 163.00 163.00 ----149.00 149.00 124.30 124.30 154 ----3 2 ----3 3 ----------------------------------70.80 66.60 68.00 348 1 4 ----1 70.80 66.60 68.00 63.50 63.50 53.50 53.50 596 ----1 --------2 500 41.90 41.90 39.30 39.30 90 ----2 13 ----15 3484 15 51 100 1077 2 52 2 40.50 40.50 36.90 36.90 670 80 --------------------20.00 20.00 328 5 25 ----2

NEW 3.30

.1601 .1560

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## **METALS OPTIONS PRODUCTS**

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





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

PG64	BULLET	IN # 9@		MI	ETALS OPTIO	N PRODUCTS				Fri,	Jan 13,	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	GLOBEX®		OPEN
OG CA		COMEX GOLD OPT:	IONS					CISES	VOLUME	VOLUME	VOLUME	INTEREST
JUN23 2210 2215			16.60B/ 16.10B/	16.60B/ 16.10B/		16.40 + 3.10 $16.00 + 3.10$	.1485 .1450					2 UNCH 13 UNCH
2220 2225 2235			15.70B/ 15.30B/ 14.50B/	15.70B/ 15.30B/ 14.50B/		15.60 + 3.00 15.20 + 3.00 14.40 + 2.80	.1416 .1381 .1314					3 UNCH 1 UNCH 15 UNCH
2240 2245 2250			14.10B/ 13.80B/ 13.40B/	14.10B/ 13.80B/ 13.40B/		$ \begin{array}{r} 14.00 + 2.70 \\ 13.70 + 2.70 \\ 13.30 + 2.60 \end{array} $	.1280 .1253 .1220			10 1		11 UNCH 1663 UNCH 1135 - 1
2255 2260 2265			13.10B/ 12.70B/ 12.40B/	13.10B/ 12.70B/ 12.40B/		13.00 + 2.60 12.60 + 2.40 12.30 + 2.40	.1192 .1160 .1133					1 UNCH 1 UNCH 1 UNCH
2270 2275 2285			12.10B/ 11.80B/ 11.20B/	12.10B/ 11.80B/ 11.20B/		12.00 + 2.30 $11.70 + 2.30$ $11.10 + 2.20$	.1106 .1080 .1028					37 UNCH 21 UNCH 5 UNCH
2295 2300 2310			10.70B/ 10.40B/ 10.00B/	10.70B/ 10.40B/ 10.00B/		$\begin{array}{r} 10.60 + 2.10 \\ 10.40 + 2.10 \\ 9.90 + 2.00 \end{array}$	.0982 .0963 .0918			30	500	4 UNCH 1647 + 500 15 UNCH
2320 2325 2330			9.40B/ 9.30B/ 9.00B/	9.40B/ 9.30B/ 9.00B/		9.40 + 1.90 9.20 + 1.90 9.00 + 1.80	.0874 .0856 .0837			 1		1 UNCH 3 UNCH 0 - 1
2350 2360 2375			8.20B/ 7.90B/ 7.30B/	8.20B/ 7.90B/ 7.30B/		8.20 + 1.70 7.80 + 1.60 7.30 + 1.50	.0764 .0729 .0682			1 		50 + 1 1 UNCH 26 UNCH
2380 2400 2425	6.30	6.30	7.20B/ 6.60B/6.30 5.90B/	7.20B/ 6.60B/6.30 5.90B/		7.20 + 1.50 6.60 + 1.40 5.90 + 1.20	.0671 .0616 .0551			2		1 UNCH 909 UNCH 2 UNCH
2430 2440			5.70B/ 5.50B/ 5.30B/	5.70B/ 5.50B/ 5.30B/		5.80 + 1.20 5.60 + 1.20 5.30 + 1.10	.0541 .0522 .0496			1 		1 - 1 5 UNCH 28 UNCH
2450 2475 2500			4.80B/ 4.30B/ 3.60B/	4.80B/ 4.30B/ 3.60B/		4.90 + 1.10 4.40 + 0.90 3.70 + 0.80	.0455 .0409 .0342					1 UNCH 1462 UNCH 45 UNCH
2550 2575 2600			3.30B/ 3.00B/	3.30B/ 3.00B/		3.40 + 0.70 $3.10 + 0.70$	.0313 .0285					5 UNCH 1348 UNCH
2625 2700 2850	2.70 	2.70 	2.80B/2.70 2.20B/ 1.40B/	2.80B/2.70 2.20B/ 1.40B/		2.90 + 0.70 2.30 + 0.50 1.50 + 0.30	.0265 .0207 .0132			30 		20 + 10 856 UNCH 64 UNCH
2900 3000 TOTAL			1.30B/ 1.00B/	1.30B/ 1.00B/		1.40 + 0.40 1.10 + 0.30	.0121 .0094			2375	1,130	19 UNCH 1794 UNCH 62291+ 1840
JUL23 1300			#673.70B/	#673.70B/		672.30 + 23.70	1.0000					2 UNCH
1430 1480 1490			#544.00B/ #494.00B/ #484.10B/	#544.00B/ #494.00B/ #484.10B/		542.30 + 23.70 492.30 + 23.70 482.30 + 23.70	.9933 .9862 .9849					2 UNCH 1 UNCH 1 UNCH
1500 1510 1530			#475.40B/447.20 #464.20B/ #444.30B/	#464.20B/ #444.30B/		472.30 + 23.70 462.30 + 23.70 442.30 + 23.60	.9837 .9816 .9782					16 UNCH 1 UNCH 1 UNCH
1565 1625 1650			#409.90B/ #352.70B/325.50 #328.90B/302.00	#328.90B/302.00A		407.60 + 23.30 349.30 + 23.00 325.40 + 22.70	.9700 .9506 .9397					1 UNCH 2 UNCH 1 UNCH
1670 1675 1680			#309.20B/ #305.30B/278.70 #299.90B/	#299.90B/		306.60 + 22.50 302.00 + 22.50 297.30 + 22.40	.9291 .9265 .9232					1 UNCH 1 UNCH 30 UNCH
1685 1700 1735			#295.30B/ #282.20B/256.00 #250.60B/225.10	#250.60B/225.10A		292.70 + 22.40 278.90 + 22.20 247.40 + 21.40	.9205 .9105 .8837					1 UNCH 9 UNCH 1 UNCH
1750 1765 1770			#237.40B/212.30 #224.50B/199.80 #220.20B/195.70	#224.50B/199.80A #220.20B/195.70A		234.30 + 21.10 221.50 + 20.80 217.20 + 20.60	.8699 .8549 .8497					314 UNCH 21 UNCH 1 UNCH
1775 1780 1785				#216.00B/191.60A #211.80B/187.60A #207.70B/183.60A		213.00 + 20.50 208.90 + 20.40 204.70 + 20.20	.8440 .8384 .8327					30 UNCH 1 UNCH 19 UNCH
1790 1800 1805	 181.70	 181.70	#203.60B/179.70 #195.40B/171.90 #191.40B/168.10	#195.40B/171.90A		200.70 + 20.20 192.60 + 19.80 188.60 NEW	.8265 .8142 .8076			38 1		2 UNCH 170 + 38 1 + 1
1810 1815 1820	169.80	 169.80	#187.40B/164.30 #183.50B/160.60 #179.60B/156.90	#187.40B/164.30A		184.70 + 19.60 180.80 + 19.40 176.90 NEW	.8009 .7943 .7873			 1		1 UNCH 6 UNCH 1 + 1
1840 1850 1860			#164.50B/142.70 #157.20B/135.90 #150.10B/129.30	#164.50B/142.70A #157.20B/135.90A #150.10B/129.30A		162.00 + 18.50 154.80 + 18.20 147.80 + 17.80	.7577 .7420 .7258					14 UNCH 482 UNCH 66 UNCH
1865 1880 1885			#146.60B/126.10 #136.50B/116.80 #133.30B/113.90	#146.60B/126.10A #136.50B/116.80A #133.30B/113.90A		144.30 + 17.50 134.40 NEW 131.10 NEW	.7175 .6918 .6830			2 2		114 UNCH 2 + 2 2 + 2
1890 1900 1905			#130.10B/110.90 #123.80B/105.30 #120.80B/102.50	#130.10B/110.90A #123.80B/105.30A #120.80B/102.50A		128.00 + 16.40 121.80 + 15.90 118.80 + 15.60	.6740 .6559 .6467			150		203 UNCH 399 + 11 10 UNCH
1920 1925			#112.00B/94.60A #109.20B/92.10A #106.50B/89.70A	#112.00B/94.60A		110.10 + 14.90 107.40 + 14.70 104.70 + 14.40	.6187 .6093 .5998					2 UNCH 260 UNCH 12 UNCH
1930 1940 1945	 91.90	 91.90	#101.10B/85.00A #98.60B/82.70A #96.00B/80.40A	#101.10B/85.00A #98.60B/82.70A #96.00B/80.40A		99.40 + 13.90 96.80 + 13.60 94.40 + 13.40	.5807 .5712				 750	27 UNCH 2 UNCH 1308 + 994
1950 1965 1970		 	#88.80B/74.10A #86.50B/72.10A	#88.80B/74.10A #86.50B/72.10A		87.20 + 12.60 85.00 + 12.40	.5616 .5330 .5235			563 		1 UNCH 17 UNCH
1975 1980 1985			#84.30B/70.20A #82.10B/68.30A #79.90B/66.50A	#84.30B/70.20A #82.10B/68.30A #79.90B/66.50A		82.80 + 12.10 80.60 NEW 78.50 NEW	.5141 .5047 .4954			5 5		204 UNCH 5 + 5 5 + 5
1990 2000 2025	73.40	73.40	#77.80B/64.70A #73.80B/61.30A #64.70B/53.50A	#77.80B/64.70A #73.80B/61.30A #64.70B/53.50A		76.40 + 11.30 72.50 + 10.80 63.50 + 9.70	.4861 .4679 .4239			165		1 UNCH 1074 - 64 2 UNCH
2050 2055 2060			#56.70B/46.70A #55.20B/45.50A #53.80B/44.40A	#56.70B/46.70A #55.20B/45.50A #53.80B/44.40A		55.60 + 8.60 54.20 + 8.50 52.80 + 8.30	.3827 .3749 .3671					7 UNCH 12 UNCH 1 UNCH
2065 2070 2075	44.90	44.90	#52.40B/43.20A #51.00B/42.00A #49.70B/41.00A	#52.40B/43.20A #51.00B/42.00A #49.70B/41.00A		51.40 + 8.00 50.10 + 7.90 48.80 + 7.70	.3594 .3520 .3446			1		12 UNCH 7 + 1 56 UNCH
2080 2085 2100	37.00	 37.00	#48.40B/ #47.20B/38.90A #43.80/35.90A	#48.40B/ #47.20B/38.90A #43.80/35.90A		47.50 + 7.50 46.30 + 7.30 42.80 + 6.80	.3373 .3302 .3095			183		850 UNCH 6 UNCH 1024 - 144
2105 2110 2115			#42.60B/ #41.50B/ #40.40B/33.30A	#42.60B/ #41.50B/ #40.40B/33.30A		41.80 + 6.70 40.70 + 6.50 39.70 + 6.30	.3032 .2966 .2904					1 UNCH 14 UNCH 1 UNCH
2125 2130 2150	31.00	 31.00	#38.50B/ #37.50B/ #34.00B/31.00	#38.50B/ #37.50B/ #34.00B/31.00		37.70 + 6.00 36.80 + 5.90 33.30 + 5.30	.2780 .2722 .2496			 586	 1125	5 UNCH 1 UNCH 2092 + 1686
2170 2175 2200	29.20 28.50 26.40	29.20 28.50 26.40	30.70B/29.20 30.10B/28.50 26.70B/26.40	30.70B/29.20 30.10B/28.50 26.70B/26.40		30.10 NEW 29.40 + 4.60 26.10 + 4.10	.2286 .2238 .2011			1 6 65		1 + 1 21 UNCH 365 + 50
2225 2230 2250			23.70B/ 23.20B/ 21.20B/	23.70B/ 23.20B/ 21.20B/		23.30 + 3.70 22.70 + 3.50 20.80 + 3.30	.1811 .1770 .1631					46 UNCH 1 UNCH 312 UNCH
2265 2270 2275			19.80B/ 19.30B/ 18.90B/	19.80B/ 19.30B/ 18.90B/		19.50 + 3.20 19.10 + 3.10 18.70 + 3.10	.1534 .1504 .1474					1 UNCH 6 UNCH 7 UNCH
2280 2300 2325			18.50B/ 17.00B/ 15.30B/	18.50B/ 17.00B/ 15.30B/		18.30 + 3.00 $16.80 + 2.80$ $15.10 + 2.50$	.1444 .1332 .1204					1 UNCH 4418 UNCH 10 UNCH
2330 2340 2350			14.90B/ 14.30B/ 13.80B/	14.90B/ 14.30B/ 13.80B/		14.80 + 2.50 14.20 + 2.40 13.70 + 2.40	.1181 .1135 .1094					2 UNCH 1 UNCH 8 UNCH
2400 2425 2450	9.30	9.30	11.30B/ 10.30B/9.30 9.40B/	11.30B/ 10.30B/9.30 9.40B/		11.20 + 1.90 10.20 NEW 9.30 + 1.60	.0901 .0822 .0750			2		206 UNCH 2 + 2 45 UNCH
2475 2475 2500 2700	3.90	3.90	8.50B/ 7.80B/ 4.20B/3.90	8.50B/ 7.80B/ 4.20B/3.90		8.50 + 1.50 7.80 + 1.40 4.20 + 0.80	.0686 .0629 .0335			 22		5 UNCH 754 UNCH 164 + 15
TOTAL AUG23		5.50	200, 3.30	205/ 5.50		+ 0.00	.0		-	1803	1,875	15315 + 2606
1450 1500 1550	408.90	 408.90	#523.70B/497.00 #475.50B/447.50 #426.30B/398.70	#523.70B/497.00A #475.50B/447.50A #426.30B/398.70A		522.30 + 23.70 472.30 + 23.60 422.80 + 23.40	.9862 .9771 .9650			 2		2 UNCH 7 UNCH 2 UNCH
1600 1645 1650	378.00	378.00 	#378.00/350.70A #334.10B/			374.40 NEW 331.70 + 22.60 327.10 + 22.60	.9484 .9281 .9256			1 <u>1</u> 		11 + 11 2 UNCH 78 UNCH

## **METALS OPTIONS PRODUCTS**

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









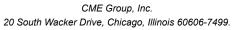
PG64 BULLET	IN # 9@		MI	ETALS OPTION					Fri,	Jan 13,	2023 PG64
GLOBEX OPEN	OPEN OUTCRY OPEN RANGE	GLOBEX HIGH/LOW	OPEN OUTCRY HIGH/LOW	OPEN OUTCRY CLOSE RANGE	SETT.PRICE & PT.CHGE.	DELTA	EXER	OPEN OUTCRY	GLOBEX®		OPEN
OG CALL	COMEX GOLD OPT	TIONS					CISES	VOLUME	VOLUME	VOLUME	INTEREST
AuG23 1665 1670 1700 1720 1735 1750 1775 1800 1815 1835 1835 1835 1835 1855 1955 2000 2100 2100 2100 2115 2115 2155 2155 2155 2175 2155 2175 2155 2175 2175 2185 2205 2205 2205 2205 2310 2320 2320 2320 2320 2320 2320 2320 2320 2325 2320 2325 2320 2325 2320 2325 2320 2325 2325 23260 2325	COMEX GOLD OPT	#315.50B/ #310.90B/285.60 #284.60B/285.80 #266.90B/241.50 #253.80B/228.80 #240.90B/16.30 #220.00B/196.20 #200.10B/177.10 #181.00B/159.20 #181.00B/159.20 #181.00B/159.20 #181.00B/159.20 #181.00B/159.20 #146.30B/152.30 #163.10B/142.40 #159.60B/139.20 #146.30B/126.90 #140.00B/121.00 #130.80B/112.70 #130.80B/112.70 #130.80B/112.70 #122.10B/104.80 #161.30B/86.30A #99.00B/84.20A #20.20B/78.20A #20.20B/78.20A #27.70B/ #61.60B/ #61.60B/ #61.60B/ #37.50B/ #44.80B/ #44.80B/ #35.10B/ #35.10B/ #35.10B/ #35.10B/ #35.10B/ #37.50B/ #37.50B/ #38.30B/ #38.30B/ #38.30B/ #38.30B/ #37.60B/ #37.60B/ #37.60B/ #38.30B/ #38.30B/ #37.60B/ #38.30B/ #37.60B/ #37.60B/ #38.30B/ #38.30B/ #38.30B/	#315.50B/ #310.90B/285.60A #284.60B/285.80A #2264.90B/241.50A #253.80B/228.80A #2240.90B/216.30A #220.00B/196.20A #188.50B/166.20A #188.50B/166.20A #188.50B/165.20A #177.40B/152.30A #177.40B/152.30A #163.10B/142.40A #159.60B/139.20A #163.10B/142.40A #116.30B/121.00A #163.80B/88.40A #159.60B/139.20A #140.00B/121.00A #101.30B/88.40A #101.30B/86.30A #99.00B/84.20A #101.30B/86.30A #99.20B/78.20A #81.90B/69.30A #72.70B/ #64.60B/ #64.60B/ #51.20B/ #41.80B/ #45.70B/ #36.70B/ #37.50B/ #37.50B/ #37.50B/ #38.30B/ #37.50B/ #37.50B/ #38.30B/ #37.50B/ #37.50B/ #38.10B/ #38.10B/ #37.50B/ #37.50B/ #37.50B/ #37.50B/ #37.50B/ #38.10B/ #37.50B/ #37.50B/ #37.50B/ #37.50B/ #37.50B/ #38.30B/ #37.50B/ #37.50B/ #37.50B/ #37.50B/ #37.50B/ #37.50B/		313.20 + 22.40 308.60 + 22.30 281.40 + 21.90 263.70 + 21.60 250.70 + 21.30 238.800 + 21.10 217.30 + 20.40 197.50 + 19.70 186.00 + 19.20 178.60 + 18.90 175.00 + 18.80 171.40 + 18.60 160.90 + 18.00 157.40 + 17.70 144.30 + 17.70 144.30 + 17.00 138.00 + 16.50 129.10 + 16.50 129.10 + 16.50 129.10 + 16.50 129.10 + 16.50 129.10 + 16.50 157.40 + 17.70 144.30 + 17.70 145.30 + 10.50 66.90 + 9.80 63.90 + 11.50 71.90 + 10.50 66.90 + 9.80 63.90 + 9.80 63.90 + 9.40 61.00 + 9.10 50.70 + 7.70 46.30 + 7.10 45.30 + 6.90 41.40 + 6.30 40.50 + 6.20 39.70 + 6.10 37.20 + 5.80 36.40 + 5.70 34.90 + 5.40 32.70 + 5.10 32.00 + 4.90 24.20 + 3.80 22.00 + 3.40 21.20 + 3.40 20.00 + 3.40 21.20 + 2.80 11.10 + 1.90 10.30 + 1.70 8.90 + 1.50	.9171 .9140 .8944 .8656 .8514 .8254 .7957 .7626 .75485 .7263 .7187 .6872 .6708 .6458 .6201 .6029 .5558 .5422 .5163 .4744 .4113 .3966 .3823 .3289 .3048 .3922 .2771 .2719 .2670 .2070				800	1 UNCH 1 UNCH 238 UNCH 4 UNCH 1 UNCH 1 UNCH 420 UNCH 65 UNCH 1000 UNCH 5 UNCH 1 UNCH 5 UNCH 1 UNCH 1 UNCH 2 UNCH 1 UNCH 2 UNCH 1 UNCH 2 UNCH 1 UNCH 2 UNCH 2 UNCH 2 UNCH 2 UNCH 2 UNCH 3 UNCH 2 UNCH 4 UNCH 4 UNCH 4 UNCH 5 UNCH 5 UNCH 5 UNCH 6 UNCH 6 UNCH 7 UNCH 6 UNCH 7 UNCH
2575 2600 3000 4000 TOTAL		8.70B/ 8.10B/ 3.10B/	8.70B/ 8.10B/ 3.10B/		8.90 + 1.50 8.30 + 1.40 3.20 + 0.50 0.80 + 0.10	.0642 .0598 .0224 .0050			  15	  800	835 UNCH 63 UNCH 953 UNCH 47 UNCH 13445 + 735
SEP23 1250 1450 1500 439.20 1555 439.20 1585 1700 1770 1770 1770 1785 1795 1850 167.50 1860 162.50 1875 1885 1890 1925 1935 1935 1935 1935 1975 2000 1925 2000 1925 2025 2040 2050 2150 2150 2150 2250 2240 2250 2550	439.20 392.80	#268.10B/243.20	#739.308/ #540.008/513.60A #492.308/464.30A #4492.308/464.30A #447.808/ #395.40/368.10A #379.408/ #368.108/215.20A #268.108/235.00A #2551.308/226.90A #2259.608/237.20A #2551.308/26.90A #2243.008/199.70A #223.008/199.70A #219.108/196.00A #175.208/161.10A #175.208/161.10A #175.208/161.10A #175.208/161.50A #182.208/161.10A #175.208/161.50A #185.608/136.50A #165.208/145.30A #158.808/139.40A #158.808/139.40A #158.808/139.40A #158.808/139.40A #158.808/139.40A #158.808/130.50A #169.608/94.60A #38.908/76.30A #88.908/76.30A #88.908/76.30A #88.908/76.30A #88.908/76.30A #88.908/76.30A #88.908/76.30A #88.908/76.30A #88.908/76.30A #88.908/76.30A #36.40B/71.50A #36.40B/71.50A #36.40B/71.30A		738.70 + 23.80 538.70 + 23.80 488.70 + 23.80 488.70 + 23.70 439.50 NEW 405.70 + 23.20 391.40 NEW 377.20 + 23.00 299.30 + 21.90 264.70 + 21.20 256.30 + 21.00 248.00 + 20.50 227.80 + 20.50 227.80 + 20.50 227.80 + 19.90 219.90 + 19.80 216.10 + 19.80 216.10 + 19.80 216.10 + 19.80 216.10 + 19.80 216.10 + 19.80 216.10 + 19.80 216.10 + 19.80 2172.70 + 17.30 156.50 + 16.90 153.40 + 16.20 133.00 + 15.20 127.70 + 14.80 120.00 + 14.20 110.40 + 13.40 108.10 + 13.20 97.40 + 12.30 87.70 + 11.30 82.40 + 10.80 79.00 + 10.40 75.80 + 10.00 68.30 + 9.00 64.30 + 8.60 55.90 + 7.60 55.70 + 7.50 55.70 + 7.50 55.70 + 7.50 33.10 + 4.60 37.50 + 5.20 36.20 + 5.00 33.10 + 4.60 30.40 + 4.30 21.90 + 3.10 16.30 + 2.40 11.33.00 + 2.00 5.20 + 0.80	1.0000 .9821 .9722 .9590 .9473 .9419 .9354 .8877 .8563 .8473 .8281 .8281 .7960 .7333 .7193 .6981 .66610 .6226 .6207 .5834 .5520 .6660 .6206 .4683 .4468 .4327 .4191 .3862 .3677 .3383 .3274 .3314 .3667 .332			3 3 3 11		1 UNCH 3 + 3 2 UNCH 3 + 3 1 UNCH 11 + 11 1 UNCH 11 UNCH 11 UNCH 11 UNCH 11 UNCH 12 UNCH 16 UNCH 16 UNCH 17 UNCH 18 UNCH 10 UNCH 110 UNCH 1
OCT23 1725 1800 1840 1850 1950 1950 1950 2040 2150 2150 2160 2185 2260 2325 2330 2330 2330 2350 2375 2400 2450 2550 19.40 2555 2550 19.40 2555 2550 13.50 3000 6.30 TOTAL	19.40	#284.208/259.30 #223.60B/201.00 #194.50B/173.40 #187.60B/167.00 #155.90B/137.30 #141.70B/124.50 #128.70B/112.70 #116.80B/102.00 #90.80B/ #87.40B/ #58.10B/ #58.10B/ #58.10B/ #31.40B/ #32.90B/ #32.90B/ #32.90B/ #28.70B/ #28.70B/ #28.70B/ #28.70B/ #38.90B/ #28.70B/ #38.90B/	#284.20B/259.30A #223.60B/201.00A #194.50B/137.40A #187.60B/167.00A #155.90B/137.30A #141.70B/124.50A #116.80B/102.00A #106.00B/92.40A #90.80B/ #87.40B/ #87.40B/ #53.10B/ #53.10B/ #36.20B/ #36.20B/ #32.90B/ #32.90B/ #33.40B/ #33.90B/ #30.90B/ #30.90B/ #30.90B/ #10B/ #10B/ #10B/ #10B/ #10B/ #10B/ #11.70B/ #11.70B/ #11.70B/ #13.90B/ #13.90B/ #13.90B/		280.70 + 21.20 220.70 + 19.50 191.90 + 18.30 185.10 + 17.90 153.70 + 16.00 139.70 + 15.00 126.90 + 14.00 115.30 + 13.10 104.70 + 12.20 89.80 + 10.80 86.50 + 10.50 71.60 + 8.90 59.60 + 7.40 57.50 + 7.20 52.70 + 6.70 50.00 + 6.30 41.00 + 5.30 36.10 + 4.70 33.40 + 4.30 32.90 + 4.30 31.00 + 4.10 28.70 + 3.70 26.70 + 3.50 23.30 + 3.10 20.40 + 2.80 19.10 + 2.60 17.90 + 2.50 16.80 + 2.30 14.00 + 1.90 7.00 NEW	.8552 .7827 .7348 .6536 .6175 .5808 .54405 .3793 .3258 .3160 .2930 .2799 .2342 .2084 .1939 .1911 .1807 .1682 .1570 .1375 .1208 .1133 .1064 .0939 .0834					1 UNCH 23 UNCH 210 UNCH 13 UNCH 15 UNCH 100 UNCH 100 UNCH 100 UNCH 1122 UNCH 2 UNCH 2 UNCH 26 UNCH 26 UNCH 164 UNCH 164 UNCH 175 UNCH 11 UNCH 420 UNCH 25 UNCH 25 UNCH 25 UNCH 25 UNCH 25 UNCH 11 UNCH 11 UNCH 11 UNCH 12 UNCH 12 UNCH 11 UNCH 11 UNCH 11 UNCH 11 UNCH 11 UNCH 11 UNCH 12 UNCH 12 UNCH 12 UNCH 12 UNCH 12 UNCH 11 UNCH 12 UNCH 12 UNCH 12 UNCH 12 UNCH 13 UNCH 14 UNCH 15 UNCH 11 UNCH 1 UNCH 25 UNCH 1 UNCH 2 UNCH 1 UNCH 1 UNCH 1 UNCH 1 UNCH 1 UNCH 1 UNCH 2 UNCH 1 UNCH 2

## **METALS OPTIONS PRODUCTS**

## Side 21

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







PG64	BULLET	IN # 9@		M	ETALS OPTION PR	RODUCTS				Fri,	Jan 13,	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	PNT VOLUME		OPEN EREST
OG CA NOV23 1710		COMEX GOLD OPTI	ONS #314.40B/	#314.40B/		311.10 + 21.70	.8653					3	UNCH
1900 1980	126.20	126.20	#172.70B/ #130.20B/126.20	#172.70B/ #130.20B/126.20		170.90 + 16.60 128.90 NEW	.6678 .5600			 6		301 6 +	UNCH 6
2000 2250			#121.20B/ #52.40B/ #45.00B/	#121.20B/ #52.40B/ #45.00B/		120.10 + 12.90 52.20 + 6.00 45.00 + 5.20	.5330 .2712 .2371					2 300 214	UNCH UNCH UNCH
2300 TOTAL	•		#43.00B/	#43.006/		43.00 + 3.20	.2371			6		826+	6
DEC23			#414.80B/ #391.80B/	#414.80B/ #391.80B/		411.20 + 22.80 388.30 + 22.50	.9176 .9061					95 50	UNCH UNCH
1625 1650 1700			#369.30B/ #325.50B/	#369.30B/ #325.50B/		365.80 + 22.20 322.40 + 21.50	.8925 .8611					100 265	UNCH
1725 1750			#304.40B/ #284.00B/ #264.20B/	#304.40B/ #284.00B/ #264.20B/		301.40 + 21.00 281.20 + 20.50 261.60 + 19.90	.8425 .8222 .7998					2 550 126	UNCH UNCH UNCH
1775 1800 1835			#245.30B/ #220.20B/	#245.30B/ #220.20B/		242.80 + 19.20 218.00 + 18.20	.7756 .7384			28		6853 1	UNCH
1840 1850			#216.80B/ #210.00B/ #203.40B/	#216.80B/ #210.00B/ #203.40B/		214.60 + 18.10 207.90 + 17.70 201.30 + 17.30	.7328 .7215 .7098					1 1075 75	UNCH UNCH UNCH
1860 1870 1875			#197.00B/ 193.80B/	#197.00B/ 193.80B/		195.00 + 17.10 191.80 + 16.80	.6979 .6920					100 670	UNCH UNCH
1880 1890			#190.70B/ #184.60B/ #178.60B/160.80	#190.70B/ #184.60B/ #178.60B/160.80A		188.80 + 16.70 182.70 + 16.30 176.90 + 16.00	.6859 .6737 .6613				 400	130 1 1307 +	UNCH UNCH 150
1900 1905 1925			#175.70B/158.10 #164.40B/	#175.70B/158.10A #164.40B/		174.00 + 15.80 163.00 + 15.10	.6551					10 101	UNCH
1940 1950			#156.40B/140.30 #151.30B/135.60	#156.40B/140.30A #151.30B/135.60A #139.10B/		155.10 + 14.50 150.10 + 14.20	.6106 .5978					10039	UNCH
1975 2000 2050	123.40	123.40	#139.10B/ 127.90B/123.00 #108.40B/96.80A	#139.10B/ 127.90B/123.00 #108.40B/96.80A		138.10 + 13.30 127.10 + 12.40 107.70 + 10.70	.5658 .5341 .4731			15 3		160 2257 287	UNCH UNCH UNCH
2075 2100			#99.90B/ 92.10B/	#99.90B/ 92.10B/		99.30 + 10.00 91.70 + 9.30	.4445 .4173			47		80 9711	UNCH UNCH
2110 2125 2150			#89.20B/ #85.10B/ #78.70B/	#89.20B/ #85.10B/ #78.70B/		88.90 NEW 84.80 + 8.70 78.50 + 8.00	.4069 .3917 .3674			100  50		100 + 1 1984 +	100 UNCH 28
2200 2250	68.50	68.50	68.50/68.50 #58.50B/	68.50/68.50 #58.50B/		67.30 + 6.60 58.50 + 5.80	.3230 .2851			48 56	800	1438 + 7049	329 UNCH
2300 2350 2375	49.30 	49.30 	50.90B/49.30 #44.50B/ #41.70B/	50.90B/49.30 #44.50B/ #41.70B/		50.80 + 4.80 44.40 + 4.00 41.70 + 3.80	.2514 .2224 .2097			2 		224 + 2 640	2 UNCH UNCH
2400 2500	38.50 31.20	38.50 31.20	#39.50/38.50 31.20/31.20	#39.50/38.50 31.20/31.20		39.20 + 3.60 31.10 + 3.10	.1978 .1583			101 23	5650	660 + 15766 +	84 5020
2600 2700 2800			#24.60B/ #20.00B/ #16.50B/	#24.60B/ #20.00B/ #16.50B/		25.00 + 2.40 20.40 + 1.90 16.90 + 1.60	.1280 .1047 .0868				1600	1601 + 682	UNCH 1600 UNCH
3000 3200	11.50 8.40	11.50 8.40	11.70B/11.50 #8.90/8.40	11.70B/11.50 #8.90/8.40		12.20 + 1.30 9.40 + 1.10	.0621 .0470			21 19	500	8552 + 33 +	502 13
TOTAL JAN24										513	8,950	72781+	7828
2000 2300	115.00	115.00	#118.00B/*115.0	#118.00B/*115.00		140.50 NEW 59.50 + 5.90	.5550 .2751			1  1		1 + 12 13+	UNCH 1
TOTAL FEB24			#02 10p/	#03 10p/		03.00 . 0.00	25.00						
2200 2250 2300			#83.10B/ 	#83.10B/ 		83.80 + 8.00 73.60 + 7.10 64.90 NEW	.3568 .3190 .2855			10  10		11 + 1 10 +	10 UNCH 10
2800 3000						23.90 NEW 18.20 NEW	.0825			5 5 30		5 + 5 + 32+	5 5 30
TOTAL JUN24										30		32 +	30
						200 00 17 20	7261					400	
1850 1880						266.80 + 17.30 247.80 + 16.70 198.00 + 14.40	.7261 .6991 .6127					400 75 100	UNCH UNCH UNCH
1850 1880 1970 2000 2200							.6991					75 100 130 500	
1850 1880 1970 2000						247.80 + 16.70 198.00 + 14.40 183.90 + 13.70	.6991 .6127 .5832					75 100 130	UNCH UNCH UNCH UNCH
1850 1880 1970 2000 2200			=====	  		247.80 + 16.70 198.00 + 14.40 183.90 + 13.70 116.10 + 9.60	.6991 .6127 .5832					75 100 130 500 1205	UNCH UNCH UNCH UNCH
1850 1880 1970 2000 2200	GLOBEX OPEN	OPEN OUTCRY	GLOBEX	OPEN OUTCRY	OPEN OUTCRY	247.80 + 16.70 198.00 + 14.40 183.90 + 13.70 116.10 + 9.60 SETT.PRICE	.6991 .6127 .5832 .4076	EXER	OPEN OUTCRY	   GLOBEX®	   PNT	75 100 130 500 1205	UNCH UNCH UNCH UNCH 0
1850 1880 1970 2000 2200 TOTAL GWW W JAN23 1625 1690	GLOBEX OPEN	OPEN OUTCRY OPEN RANGE  GOLD WEEKLY WED	GLOBEX HIGH/LOW  NESDAY OPTION WEE	OPEN OUTCRY HIGH/LOW  K3	OPEN OUTCRY	247.80 + 16.70 198.00 + 14.40 183.90 + 13.70 116.10 + 9.60 SETT.PRICE & PT.CHGE.	.6991 .6127 .5832 .4076	EXER CISES	OPEN OUTCRY VOLUME	GLOBEX® VOLUME	PNT VOLUME	75 100 130 500 1205	UNCH UNCH UNCH UNCH O OPEN EREST
1850 1880 1970 2000 2200 TOTAL GWW In JAN23 1625 1690 1700 1710	GLOBEX OPEN	OPEN OUTCRY OPEN RANGE  GOLD WEEKLY WED	GLOBEX HIGH/LOW  NESDAY OPTION WEE	OPEN OUTCRY HIGH/LOW	OPEN OUTCRY	247.80 + 16.70 198.00 + 14.40 183.90 + 13.70 116.10 + 9.60 SETT.PRICE & PT.CHGE.	.6991 .6127 .5832 .4076	EXER CISES	OPEN OUTCRY VOLUME	GLOBEX®	PNT	75 100 130 500 1205	UNCH UNCH UNCH UNCH 0
1850 1880 1970 2000 2200 TOTAL GWW W JAN23 1625 1690 1700 1710 1730 1735 1740	GLOBEX OPEN	OPEN OUTCRY OPEN RANGE  GOLD WEEKLY WED	GLOBEX HIGH/LOW  NESDAY OPTION WEE	OPEN OUTCRY HIGH/LOW  K3	OPEN OUTCRY CLOSE RANGE	247.80 + 16.70 198.00 + 14.40 183.90 + 13.70 116.10 + 9.60  SETT.PRICE & PT.CHGE.  0.10 UNCH	.6991 .6127 .5832 .4076	EXER CISES	OPEN OUTCRY VOLUME	GLOBEX® VOLUME	PNT VOLUME	75 100 130 500 1205 INTE	UNCH UNCH UNCH O O OPEN EREST UNCH UNCH UNCH UNCH UNCH UNCH UNCH UNCH
1850 1880 1970 2000 2200 TOTAL GWW W JAN23 1625 1690 1700 1710 1735 1740 1750	GLOBEX OPEN	OPEN OUTCRY OPEN RANGE  GOLD WEEKLY WED	GLOBEX HIGH/LOW  NESDAY OPTION WEE	OPEN OUTCRY HIGH/LOW  K3	OPEN OUTCRY CLOSE RANGE	247.80 + 16.70 198.00 + 14.40 183.90 + 13.70 116.10 + 9.60  SETT.PRICE & PT.CHGE.  0.10 UNCH	.6991 .6127 .5832 .4076	EXER CISES	OPEN OUTCRY VOLUME	GLOBEX® VOLUME	PNT VOLUME	75 100 130 500 1205 INTE	UNCH UNCH UNCH O OPEN CREST UNCH UNCH UNCH UNCH UNCH UNCH UNCH UNCH
1850 1880 1970 22000 TOTAL GWW W JAN23 1625 1690 17100 17130 1755 1740 1755 1760 1755	GLOBEX OPEN  SED	OPEN OUTCRY OPEN RANGE  GOLD WEEKLY WED	GLOBEX HIGH/LOW  NESDAY OPTION WEE	OPEN OUTCRY HIGH/LOW  K3	OPEN OUTCRY CLOSE RANGE	247.80 + 16.70 198.00 + 14.40 183.90 + 13.70 116.10 + 9.60  SETT.PRICE & PT.CHGE.  0.10 UNCH	.6991 .6127 .5832 .4076	EXER CISES	OPEN OUTCRY VOLUME	GLOBEX® VOLUME	PNT VOLUME	75 100 130 500 1205 INTE	UNCH UNCH UNCH UNCH UNCH UNCH UNCH UNCH
1850 1880 1970 2000 22000 TOTAL GWW W JAN23 1625 1690 1700 1710 1730 1750 1750 1750	GLOBEX OPEN	OPEN OUTCRY OPEN RANGE  GOLD WEEKLY WED	GLOBEX HIGH/LOW NESDAY OPTION WEE	OPEN OUTCRY HIGH/LOW  K3	OPEN OUTCRY CLOSE RANGE	247.80 + 16.70 198.00 + 14.40 183.90 + 13.70 116.10 + 9.60  SETT.PRICE & PT.CHGE.  0.10 UNCH	.6991 .6127 .5832 .4076	EXER CISES	OPEN OUTCRY VOLUME	GLOBEX® VOLUME	PNT VOLUME	75 100 130 500 1205 INTE	UNCH UNCH UNCH OPEN EREST UNCH UNCH UNCH UNCH UNCH UNCH UNCH UNCH
GWW W JAN23 1625 1690 1750 1750 1755 1760 1775 1778 1780 1780 1780 1780 1780 1780 1780	GLOBEX OPEN  ED	OPEN OUTCRY OPEN RANGE  GOLD WEEKLY WED	GLOBEX HIGH/LOW  NESDAY OPTION WEE	OPEN OUTCRY HIGH/LOW  K3	OPEN OUTCRY CLOSE RANGE	247.80 + 16.70 198.00 + 14.40 183.90 + 13.70 116.10 + 9.60  SETT.PRICE & PT.CHGE.  0.10 UNCH 0.20 - 0.20 0.10 UNCH 0.20 - 0.20	.6991 .6127 .5832 .4076	EXER CISES	OPEN OUTCRY VOLUME	GLOBEX® VOLUME	PNT VOLUME	2 2 2 3 1 3 1 3 1 3 1 3 1 3 1 1 7 7 2 2 2 2 3 1 1 1 3 6 1 1 7 7 2 2 3 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	UNCH UNCH UNCH UNCH UNCH UNCH UNCH UNCH
GWW W JAN23 1625 1690 1750 1755 1760 1775 1775 1780 1785 1785 1785 1785 1785 1785 1785 1785	GLOBEX OPEN  SED	OPEN OUTCRY OPEN RANGE  GOLD WEEKLY WED	GLOBEX HIGH/LOW  NESDAY OPTION WEE	OPEN OUTCRY HIGH/LOW  K3	OPEN OUTCRY CLOSE RANGE	247.80 + 16.70 198.00 + 14.40 183.90 + 13.70 116.10 + 9.60  SETT.PRICE & PT.CHGE.  0.10 UNCH	.6991 .6127 .5832 .4076	EXER CISES	OPEN OUTCRY VOLUME	GLOBEX® VOLUME	PNT VOLUME	100 130 500 1205 INTE	UNCH UNCH UNCH UNCH UNCH UNCH UNCH UNCH
GWW W JAN23 1625 1690 1775 1780 1785 1785 1785 1785 1785 1785 1785 1785	GLOBEX OPEN  ED	OPEN OUTCRY OPEN RANGE  GOLD WEEKLY WED	GLOBEX HIGH/LOW  NESDAY OPTION WEE	OPEN OUTCRY HIGH/LOW  K3	OPEN OUTCRY CLOSE RANGE	247.80 + 16.70 198.00 + 14.40 183.90 + 13.70 116.10 + 9.60  SETT.PRICE & PT.CHGE.  0.10 UNCH 0.20 - 0.20 0.10 UNCH 0.20 - 0.30 0.10 UNCH 0.30 - 0.30 0.10 UNCH	.6991 .6127 .5832 .4076 DELTA  DELTA 000000110069007200720072	EXER CISES	OPEN OUTCRY VOLUME	GLOBEX® VOLUME	PNT VOLUME	75 100 130 500 1205 INTE	UNCH UNCH UNCH UNCH UNCH UNCH UNCH UNCH
GWW W JAN23 1625 1690 1710 1730 1750 1775 1775 1775 1785 1785 1780 1780 1785 1790 1790	GLOBEX OPEN  SED	OPEN OUTCRY OPEN RANGE  GOLD WEEKLY WED	GLOBEX HIGH/LOW  NESDAY OPTION WEE	OPEN OUTCRY HIGH/LOW  K3	OPEN OUTCRY CLOSE RANGE	247.80 + 16.70 198.00 + 14.40 183.90 + 13.70 116.10 + 9.60  SETT.PRICE & PT.CHGE.  0.10 UNCH 0.20 - 0.20 0.10 UNCH 0.20 - 0.30 0.10 UNCH 0.30 - 0.30 0.10 UNCH 0.30 - 0.30 0.10 UNCH 0.30 - 0.50 0.10 UNCH 0.30 - 0.50 0.10 UNCH	.6991 .6127 .5832 .4076 DELTA	EXER CISES	OPEN OUTCRY VOLUME	GLOBEX® VOLUME	PNT VOLUME	75 100 130 500 1205 INTE	UNCH UNCH UNCH UNCH UNCH UNCH UNCH UNCH
GWW W JAN23 1625 1690 1770 1775 1780 1785 1790 1795 1800 1805 1800 1805 1810	GLOBEX OPEN  ED	OPEN OUTCRY OPEN RANGE  GOLD WEEKLY WED	GLOBEX HIGH/LOW  NESDAY OPTION WEE	OPEN OUTCRY HIGH/LOW  K3	OPEN OUTCRY CLOSE RANGE	247.80 + 16.70 198.00 + 14.40 183.90 + 13.70 116.10 + 9.60  SETT.PRICE & PT.CHGE.  0.10 UNCH 0.20 - 0.20 0.10 UNCH 0.20 - 0.30 0.10 UNCH 0.30 - 0.30 0.10 UNCH 0.30 - 0.50 0.10 UNCH 0.10	.6991 .6127 .5832 .4076 DELTA	EXER CISES	OPEN OUTCRY VOLUME	GLOBEX® VOLUME	PNT VOLUME	75 100 130 500 1205 INTE	UNCH UNCH UNCH UNCH UNCH UNCH UNCH UNCH
GWW W JAN23 1625 1690 17750 17750 17750 1785 1780 1785 1785 1785 1785 1785 1785 1785 1785	GLOBEX OPEN  ED	OPEN OUTCRY OPEN RANGE  GOLD WEEKLY WED	GLOBEX HIGH/LOW  NESDAY OPTION WEE	OPEN OUTCRY HIGH/LOW  K3	OPEN OUTCRY CLOSE RANGE	247.80 + 16.70 198.00 + 14.40 183.90 + 13.70 116.10 + 9.60  SETT.PRICE & PT.CHGE.  0.10 UNCH 0.20 - 0.20 0.10 UNCH 0.20 - 0.20 0.10 UNCH 0.20 - 0.30 0.10 UNCH 0.30 - 0.50 0.10 UNCH 0.30 - 0.50 0.10 UNCH	.6991 .6127 .5832 .4076 DELTA	EXER CISES	OPEN OUTCRY VOLUME	GLOBEX® VOLUME	PNT VOLUME	100 130 500 1205 1NTE	UNCH UNCH UNCH UNCH UNCH UNCH UNCH UNCH
GWW W JAN23	GLOBEX OPEN  ED	OPEN OUTCRY OPEN RANGE  GOLD WEEKLY WED	GLOBEX HIGH/LOW  NESDAY OPTION WEE	OPEN OUTCRY HIGH/LOW  K3	OPEN OUTCRY CLOSE RANGE	247.80 + 16.70 198.00 + 14.40 183.90 + 13.70 116.10 + 9.60  SETT.PRICE & PT.CHGE.  0.10 UNCH 0.20 - 0.20 0.10 UNCH 0.20 - 0.30 0.10 UNCH 0.20 - 0.30 0.10 UNCH 0.30 - 0.30 0.10 UNCH 0.30 - 0.50 0.10 UNCH 0.30 - 0.50 0.10 UNCH 0.30 - 0.50 0.10 UNCH 0.40 - 0.50 0.10 UNCH 0.40 - 0.50 0.10 UNCH 0.40 - 0.70 0.10 - 0.70 0.10 - 0.70 0.10 - 0.70 0.10 - 0.20 10.180 + 22.80	.6991 .6127 .5832 .4076 DELTA	EXER CISES	OPEN OUTCRY VOLUME	GLOBEX® VOLUME	PNT VOLUME	75 100 130 500 1205 INTE	UNCH UNCH UNCH UNCH UNCH UNCH UNCH UNCH
GWW W JAN23 1625 1690 1770 1775 1780 1785 1790 1795 1800 1805 1815 1815 1815 1820 1820 1820	GLOBEX OPEN  ED	OPEN OUTCRY OPEN RANGE  GOLD WEEKLY WED	GLOBEX HIGH/LOW  NESDAY OPTION WEE	OPEN OUTCRY HIGH/LOW  K3	OPEN OUTCRY CLOSE RANGE	247.80 + 16.70 198.00 + 14.40 183.90 + 13.70 116.10 + 9.60  SETT.PRICE & PT.CHGE.  0.10 UNCH 0.20 - 0.20 0.10 UNCH 0.20 - 0.30 0.10 UNCH 0.20 - 0.30 0.10 UNCH 0.30 - 0.50 0.10 UNCH 0.30 - 0.50 0.10 UNCH 0.1	.6991 .6127 .5832 .4076 DELTA	EXER CISES	OPEN OUTCRY VOLUME	GLOBEX® VOLUME	PNT VOLUME	75 100 130 500 1205 INTE	UNCH UNCH UNCH UNCH UNCH UNCH UNCH UNCH
GWW W JAN23 1625 1690 1790 1795 1775 1780 1785 1780 1785 1780 1785 1810 1815 1820 1820 1820 1820 1820 1820 1820 1820	GLOBEX OPEN  SED	OPEN OUTCRY OPEN RANGE  GOLD WEEKLY WED	GLOBEX HIGH/LOW  NESDAY OPTION WEE	OPEN OUTCRY HIGH/LOW  K3  HIGH/LOW  HIGH/LO	OPEN OUTCRY CLOSE RANGE	247.80 + 16.70 198.00 + 14.40 183.90 + 13.70 116.10 + 9.60  SETT.PRICE & PT.CHGE.  0.10 UNCH 0.20 - 0.20 0.10 UNCH 0.20 - 0.20 0.10 UNCH 0.20 - 0.30 0.10 UNCH 0.30 - 0.30 0.10 UNCH 0.30 - 0.50 0.10 UNCH 0.40 - 0.70 0.10 - 0.10 0.50 - 0.70 0.10 - 0.20 0.70 - 1.00 0.10 - 0.20 0.70 - 1.00 0.10 - 0.30 91.80 + 22.60	.6991 .6127 .5832 .4076 DELTA	EXER CISES	OPEN OUTCRY VOLUME	GLOBEX® VOLUME	PNT VOLUME	75 100 130 500 1205 INTE	UNCH UNCH UNCH UNCH UNCH UNCH UNCH UNCH
GWW W JAN23 1625 1690 17750 17750 17750 1780 1785 1790 1795 1800 1805 1805 1815 1820 1825 1825 1830 1830 1835	GLOBEX OPEN  ED	OPEN OUTCRY OPEN RANGE  GOLD WEEKLY WED	GLOBEX HIGH/LOW  NESDAY OPTION WEE	OPEN OUTCRY HIGH/LOW  K3	OPEN OUTCRY CLOSE RANGE	247.80 + 16.70 198.00 + 14.40 183.90 + 13.70 116.10 + 9.60  SETT.PRICE & PT.CHGE.  0.10 UNCH 0.20 - 0.20 0.10 UNCH 0.30 - 0.30 0.10 UNCH 0.30 - 0.50 0.10 UNCH 0.30 - 0.70 0.10 - 0.10 0.50 - 0.70 0.10 - 0.20 101.80 + 22.80 0.60 - 0.20 0.70 - 1.00 0.10 - 0.20 0.70 - 1.00 0.10 - 0.20	.6991 .6127 .5832 .4076 DELTA  DELTA  .0000	EXER CISES	OPEN OUTCRY VOLUME	GLOBEX® VOLUME	PNT VOLUME	100 130 500 1205 1205 1NTE	UNCH UNCH UNCH UNCH UNCH UNCH UNCH UNCH
GWW W JAN23 1625 1690 17750 1750 1750 1755 1760 1785 1760 1785 1780 1785 1810 1820 1820 1820 1825 1830 1830 1835 1835 1835 1835	GLOBEX OPEN  ED	OPEN OUTCRY OPEN RANGE  GOLD WEEKLY WED	GLOBEX HIGH/LOW  NESDAY OPTION WEE	OPEN OUTCRY HIGH/LOW  K3	OPEN OUTCRY CLOSE RANGE	247.80 + 16.70 198.00 + 14.40 183.90 + 13.70 116.10 + 9.60  SETT.PRICE & PT.CHGE.  0.10 UNCH 0.20 - 0.20 0.10 UNCH 0.30 - 0.30 0.10 UNCH 0.30 - 0.50 0.10 UNCH 0.40 - 0.50 0.10 UNCH 0.40 - 0.50 0.10 UNCH 0.40 - 0.50 0.10 - 0.10 0.40 - 0.70 0.10 - 0.10 0.50 - 0.70 0.10 - 0.20 0.70 - 1.00 0.10 - 0.20 0.70 - 1.00 0.10 - 0.40 86.80 + 22.50 87.60 + 21.50 0.10 - 0.60	.6991 .6127 .5832 .4076 DELTA  DELTA	EXER CISES	OPEN OUTCRY VOLUME	GLOBEX® VOLUME	PNT VOLUME	75 100 130 500 1205 INTE	UNCH UNCH UNCH UNCH UNCH UNCH UNCH UNCH
GWW W JAN23 1625 1690 17750 17750 17750 17750 17750 1780 1785 1790 1790 1790 1795 1800 1805 1810 1815 1820 1820 1820 1820 1820 1820 1820 1820	GLOBEX OPEN  ED	OPEN OUTCRY OPEN RANGE  GOLD WEEKLY WED	GLOBEX HIGH/LOW  NESDAY OPTION WEE	OPEN OUTCRY HIGH/LOW  K3	OPEN OUTCRY CLOSE RANGE	247.80 + 16.70 198.00 + 14.40 183.90 + 13.70 116.10 + 9.60  SETT.PRICE & PT.CHGE.  0.10 UNCH 0.20 - 0.20 0.10 UNCH 0.20 - 0.20 0.10 UNCH 0.20 - 0.30 0.10 UNCH 0.30 - 0.30 0.10 UNCH 0.30 - 0.50 0.10 UNCH 0.40 - 0.70 0.10 - 0.10 0.40 - 0.70 0.10 - 0.20 101.80 + 22.80 0.60 - 0.90 0.10 - 0.20 0.70 - 1.00 0.10 - 0.20 0.70 - 1.00 0.10 - 0.20 0.70 - 1.00 0.10 - 0.20 0.70 - 1.00 0.10 - 0.20 0.70 - 1.00 0.10 - 0.40 86.80 + 22.50 87.60 + 21.50 0.10 - 0.40 86.80 + 22.50 87.60 + 21.50 0.10 - 0.40 88.80 + 22.50 87.60 + 21.50 0.10 - 0.60 1.10 - 1.70 81.80 + 22.30	.6991 .6127 .5832 .4076 DELTA	EXER CISES	OPEN OUTCRY VOLUME	GLOBEX® VOLUME	PNT VOLUME	75 100 500 1205 INTE	UNCH UNCH UNCH UNCH UNCH UNCH UNCH UNCH
1850 1870 2000 TOTAL GWW W JAN23 1625 1690 17100 1750 1755 1765 1775 1775 1775 1775 1780 1755 1780 1795 1800 1810 1810 1815 1820 1820 1820 1820 1820 1830 1830 1830 1830 1830 1830 1830 183	GLOBEX OPEN  ED	OPEN OUTCRY OPEN RANGE  GOLD WEEKLY WED	GLOBEX HIGH/LOW  NESDAY OPTION WEE	OPEN OUTCRY HIGH/LOW  K3	OPEN OUTCRY CLOSE RANGE	247.80 + 16.70 198.00 + 14.40 183.90 + 13.70 116.10 + 9.60  SETT.PRICE & PT.CHGE.   0.10 UNCH 0.20 - 0.20 0.10 UNCH 0.20 - 0.30 0.10 UNCH 0.30 - 0.30 0.10 UNCH 0.30 - 0.50 0.10 UNCH 0.40 - 0.50 0.10 UNCH 0.40 - 0.50 0.10 UNCH 0.40 - 0.10 0.50 - 0.70 0.10 - 0.10 0.50 - 0.70 0.10 - 0.10 0.50 - 0.70 0.10 - 0.20 0.70 - 1.00 0.10 - 0.20 0.70 - 1.00 0.80 - 1.20 0.70 - 1.00 0.80 - 1.20 0.10 - 0.40 86.80 + 22.50 87.60 + 21.50 87.60 + 21.50 87.60 + 21.50 82.70 + 21.10 0.10 - 0.80 76.80 + 22.10	.6991 .6127 .5832 .4076 DELTA  DELTA	EXER CISES	OPEN OUTCRY VOLUME	GLOBEX® VOLUME	PNT VOLUME	75 100 130 500 1205 INTE	UNCH UNCH UNCH UNCH UNCH UNCH UNCH UNCH
GWW W JAN23 1625 1690 1770 1775 1780 1780 1785 1760 1785 1780 1785 1800 1810 1815 1825 1830 1830 1830 1835 1840 1840 18440 18440 18440 1845 1850	GLOBEX OPEN  ED	OPEN OUTCRY OPEN RANGE  GOLD WEEKLY WED	GLOBEX HIGH/LOW  NESDAY OPTION WEE	OPEN OUTCRY HIGH/LOW  K3  HIGH/LOW  K3  HIGH/LOW  K3  K	OPEN OUTCRY CLOSE RANGE	247.80 + 16.70 198.00 + 14.40 183.90 + 13.70 116.10 + 9.60  SETT.PRICE & PT.CHGE.  0.10 UNCH 0.20 - 0.20 0.10 UNCH 0.30 - 0.30 0.10 UNCH 0.30 - 0.50 0.10 UNCH 0.40 - 0.50 0.10 UNCH 0.40 - 0.70 0.10 - 0.10 0.40 - 0.70 0.10 - 0.10 0.40 - 0.70 0.10 - 0.00 0.10 - 0.00 0.10 - 0.00 0.10 - 0.00 0.10 - 0.00 0.10 - 0.00 0.10 - 0.00 0.10 - 0.00 0.10 - 0.40 86.80 + 22.50 87.60 + 21.50 0.10 - 0.60 1.10 - 1.70 81.80 + 22.30 82.70 + 21.10 0.10 - 0.80 76.80 + 22.10 0.20 - 0.90 1.60 - 2.40	.6991 .6127 .5832 .4076 DELTA	EXER CISES	OPEN OUTCRY VOLUME	GLOBEX® VOLUME	PNT VOLUME	75 100 130 500 1205 INTE	UNCH UNCH UNCH UNCH UNCH UNCH UNCH UNCH
1850 1870 2000 TOTAL GWW W JAN23 1625 1690 17100 1750 1750 1760 1775 1775 1780 1785 1790 1795 1800 1815 1810 1815 1820 1820 1820 1820 1820 1820 1820 1820	GLOBEX OPEN  ED	OPEN OUTCRY OPEN RANGE  GOLD WEEKLY WED	GLOBEX HIGH/LOW  NESDAY OPTION WEE	OPEN OUTCRY HIGH/LOW  K3	OPEN OUTCRY CLOSE RANGE	247.80 + 16.70 198.00 + 14.40 183.90 + 13.70 116.10 + 9.60   SETT.PRICE & PT.CHGE.   0.10 UNCH 0.20 - 0.20 0.10 UNCH 0.20 - 0.30 0.10 UNCH 0.20 - 0.30 0.10 UNCH 0.20 - 0.30 0.10 UNCH 0.30 - 0.50 0.10 UNCH 0.40 - 0.70 0.10 - 0.10 0.50 - 0.70 0.10 - 0.10 0.50 - 0.70 0.10 - 0.20 1.10 - 0.20 0.10 - 0.20 0.10 - 0.30 91.80 + 22.80 0.60 - 0.90 0.10 - 0.40 86.80 + 22.50 87.60 + 21.50 87.60 + 21.50 87.60 + 22.10 0.10 - 0.60 1.10 - 0.60 1.10 - 0.60 1.10 - 0.80 82.70 + 21.10 0.10 - 0.80 71.80 + 22.30 87.60 - 22.40 71.80 + 21.90 73.20 + 20.50 0.20 - 1.30	.6991 .6127 .5832 .4076 DELTA  DELTA	EXER CISES	OPEN OUTCRY VOLUME	GLOBEX® VOLUME	PNT VOLUME	75 100 130 500 1205 INTE	UNCH UNCH UNCH UNCH UNCH UNCH UNCH UNCH
1850 1880 1870 2200 TOTAL GWW W 3ANV23 16255 1690 17100 1750 17750 17750 17750 17750 17750 1780 1795 1780 1795 1800 1810 1810 1810 1810 1810 1810 181	GLOBEX OPEN  ED	OPEN OUTCRY OPEN RANGE  GOLD WEEKLY WED	GLOBEX HIGH/LOW  NESDAY OPTION WEE	OPEN OUTCRY HIGH/LOW  K3	OPEN OUTCRY CLOSE RANGE	247.80 + 16.70 198.00 + 14.40 183.90 + 13.70 116.10 + 9.60  SETT.PRICE & PT.CHGE.   0.10 UNCH 0.20 - 0.20 0.10 UNCH 0.30 - 0.30 0.10 UNCH 0.30 - 0.50 0.10 UNCH 0.30 - 0.50 0.10 UNCH 0.30 - 0.50 0.10 UNCH 0.40 - 0.70 0.10 - 0.10 0.40 - 0.70 0.10 - 0.00 0.10 - 0.00 0.10 - 0.00 0.10 - 0.00 0.10 - 0.00 0.10 - 0.00 0.10 - 0.00 0.10 - 0.40 86.80 + 22.50 87.60 + 21.50 0.10 - 0.60 1.10 - 1.70 81.80 + 22.30 82.70 + 21.10 0.10 - 0.80 76.80 + 22.10 0.20 - 0.90 71.80 + 21.90 73.20 + 20.50 0.20 - 1.30 66.90 + 21.70 1.90 - 2.80	.6991 .6127 .5832 .4076 DELTA  DELTA	EXER CISES	OPEN OUTCRY VOLUME	GLOBEX® VOLUME	PNT VOLUME	75 100 130 500 1205 INTE 2 2 2 3 1 1 36 1 17 7 2 35 24 4 1 11 151 2 131 2 4 4 21 21 3 2 4 2 1 2 1 1 1 1 2 1 1 1 2 1 1 1 1 2 1	UNCH UNCH UNCH UNCH UNCH UNCH UNCH UNCH
1850 1880 1870 22000 TOTAL GWW W JAN23 1625 1690 17100 1730 1735 1740 1755 1760 1775 1780 1785 1785 1780 1785 1780 1785 1780 1785 1780 1785 1780 1785 1780 1785 1780 1785 1780 1785 1780 1785 1780 1785 1780 1785 1780 1785 1780 1785 1780 1785 1780 1785 1780 1785 1785 1785 1785 1785 1785 1785 1785	GLOBEX OPEN  ED	OPEN OUTCRY OPEN RANGE  GOLD WEEKLY WED	GLOBEX HIGH/LOW  NESDAY OPTION WEE	OPEN OUTCRY HIGH/LOW  K3  HIGH/LOW  K3  HIGH/LOW  K3	OPEN OUTCRY CLOSE RANGE	247.80 + 16.70 198.00 + 14.40 183.90 + 13.70 116.10 + 9.60  SETT.PRICE & PT.CHGE.   0.10 UNCH 0.20 - 0.20 0.10 UNCH 0.30 - 0.30 0.10 UNCH 0.30 - 0.50 0.10 UNCH 0.30 - 0.50 0.10 UNCH 0.30 - 0.50 0.10 UNCH 0.40 - 0.70 0.10 - 0.10 0.40 - 0.70 0.10 - 0.00 0.10 - 0.00 0.10 - 0.00 0.10 - 0.00 0.10 - 0.00 0.10 - 0.00 0.10 - 0.00 0.10 - 0.40 86.80 + 22.50 87.60 + 21.50 0.10 - 0.60 1.10 - 1.70 81.80 + 22.30 82.70 + 21.10 0.10 - 0.80 76.80 + 22.10 0.20 - 0.90 71.80 + 21.90 73.20 + 20.50 0.20 - 1.30 66.90 + 21.70 1.90 - 2.80	.6991 .6127 .5832 .4076 DELTA	EXER CISES	OPEN OUTCRY VOLUME	GLOBEX® VOLUME	PNT VOLUME	75 100 130 500 1205 INTE	UNCH UNCH UNCH UNCH UNCH UNCH UNCH UNCH

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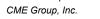
PG64 BI	ULLETIN	# 9@			METALS OPTION PRO	ODUCTS				Fri,	Jan 13,	2023 PG64
		PEN OUTCRY PEN RANGE	GLOBEX HIGH/LOW	OPEN OUTCRY HIGH/LOW	OPEN OUTCRY CLOSE RANGE	SETT.PRICE & PT.CHGE.	DELTA	EXER CISES	OPEN OUTCRY VOLUME	GLOBEX® VOLUME	PNT VOLUME	OPEN INTEREST
GLC OF GRAW WED JAN23 1865 0 1865 - 1870 1 1870 3 3 1870 2 1875 40 1875 1880 4 1880 2 5 1880 - 1885 1885 - 1890 7 1890 2 6 1890 1 1895	0.40 0.  0.40 1.  1.40 1.  1.40 1.  1.40 1.  1.40 1.  1.50 33  1.5	PEN OUTCRY PEN RANGE  JULY WEEKLY WEDN  4040 8.50 90 80 0.70 60 0030	HIGH/LOW  NESDAY OPTION WEE  0.40/*0.30/*2.50A #60.00B/34.10A 1.40/*0.40 #55.20B/29.70A 4.10/*3.00A #55.20B/29.70A 4.10/*3.00A #57.80B/34.60A 3.50/*0.60 #59.70B/25.60A 3.60/*3.60 4.00/*0.90/*4.30A #45.90B/25.60A 3.60/*3.60 4.00/*0.90/*4.30A #45.90B/21.70A #49.00B/27.60A 6.50/*1.30 #41.20B/18.20A #44.90B/27.60A 8.50B/*1.80 11.10/*2.30 17.20B/97.20A #37.00B/18.40A 11.10/*2.30 17.20B/97.20A #37.00B/18.40A 12.30/*4.00A 10.50/*6.90A #37.90B/9.70A #33.30B/16.10A 12.30/*4.00A 10.50/*10.00A #23.80B/7.80A 10.40/*5.20 #20.00B/6.10A #23.50B/10.50A 26.50B/*8.80A 31.90B/*15.90 #13.50B/3.70A #20.70B/*11.10A #10.90B/2.90A #8.60B/1.20A #8.60B/1.80A #13.80B/7.80A 41.20B/*8.80A 31.90B/*15.90 #13.50B/1.10A #23.50B/10.50A 42.30B/1.40A #10.90B/2.90A #13.80B/7.80A 41.09B/2.90A #13.80B/7.80A 41.10.90B/2.90A #13.80B/1.40A #10.90B/2.90A #13.80B/1.40A #13.90B/3.60A 44.10/1.10A #10.40B/4.20A 3.10B/0.90A #8.90B/3.60A 2.40B/0.70A #6.60B/2.70A 1.80/0.60A 1.30B/1.200	OPEN OUTCRY HIGH/LOW  K3  0.40/*0.30/*2.50A #60.00B/34.10A 1.40/*0.40 #55.20B/29.70A 4.10/*3.00A #57.80B/34.60A 3.50/*0.60 #50.70B/25.60A 3.60/*3.60 4.00/*0.90/*4.30A #44.90B/21.70A #49.00B/27.60A 6.50/*1.30 #41.20B/18.20A #44.90B/21.70A #44.90B/21.70A #44.90B/21.70A #44.90B/21.70A #44.90B/21.70A #36.60B/15.00A #40.80B/21.10A 11.10/*2.30 11.20B/*7.20A #37.00B/18.40A 12.40/*3.00 19.80B/*8.50A #27.790B/9.70A #33.30B/16.10A 12.30/*4.00A 10.50/*1.00A #23.80B/7.80A 10.40/*5.20 #20.00B/6.10A 12.30/*4.00A 10.50/*1.00A #33.50B/10.50A £25.50B/*8.80A #33.50B/10.50A £25.50B/*8.80A #20.70B/*8.80A #31.50B/3.70A #33.50B/10.50A £25.50B/*8.80A #33.50B/10.50A £35.00B/*8.80A #33.50B/10.50A £35.00B/*8.80A #33.50B/10.50A £35.00B/*8.80A #33.50B/1.10A #35.00B/*8.80A #35.00B/*8.80A #35.00B/*8.80A #35.00B/*1.10A #10.90B/2.90A #8.60B/2.20A #6.80/1.80A #13.80B/5.80A #4.10/1.10A #10.40B/4.20A #31.10B/0.90A #8.90B/3.60A 2.40B/0.70A	OPEN OUTCRY CLOSE RANGE	SETT. PRICE & PT. CHGE.  0.40 - 2.10 2.70 - 3.90 57.10 + 20.90 0.60 - 2.60 52.30 + 2.60 54.90 + 18.40 0.80 - 3.30 47.50 + 19.60 3.90 - 5.20 1.10 - 4.10 4.60 - 6.10 42.70 + 18.70 46.30 + 16.80 1.40 - 5.30 38.10 + 17.60 42.20 + 15.90 1.90 - 6.50 6.60 - 7.90 7.90 - NEW 29.30 + 15.00 2.60 - 7.90 7.90 - NEW 29.30 + 15.00 34.50 + 13.90 35.50 - 9.50 9.30 - NEW 25.20 + 11.70 6.10 - 12.80 17.80 + 11.70 6.10 - 12.80 17.80 + 10.10 24.60 + 10.90 7.90 NEW 17.30 NEW 17.30 NEW 17.30 NEW 17.30 NEW 18.40 + 10.10 18.50 + 5.60 18.60 + 10.90 7.90 NEW 19.50 + 5.60 16.60 + 10.90 7.50 + 4.50 12.50 + 6.00 22.90 NEW 1.50 + 6.00 22.90 NEW 1.50 + 1.60 8.00 + 4.00 2.70 + 1.60 8.00 + 4.00 2.70 + 1.60 8.00 + 4.00 2.10 + 1.20 5.90 NEW 1.60 + 0.90 1.20 + 0.70	.0216 .1048 .9782 .0327 .9672 .1230 .8766 .9456 .9456 .9459 .9189 .7990 .1099 .2315 .8512 .1483 .2675 .8515 .7321 .1956 .3054 .3054 .3182 .6816 .6097 .3917 .6080 .5652 .4702 .4798 .5293 .5496	CISES	OUTCRY VOLUME	GLOBEX® VOLUME  18	PNT VOLUME	OPEN INTEREST  7 + 4 3 UNCH 49 + 4 7 UNCH 15 + 12 1 UNCH 91 - 1 1 UNCH 306 + 288 1 UNCH 8 UNCH 8 UNCH 8 UNCH 15 + 10 64 UNCH 8 UNCH 15 + 10 19 + 10 61 + 10 63 + UNCH 44 + 41 11 + 11 40 + 13 11 UNCH 45 + 39 11 + 1 11 UNCH 45 + 39 11 UNCH 47 + UNCH 48 + 4 10 + 1 11 UNCH 45 + 39 11 UNCH 47 + 7 11 + 1 40 + 1 11 UNCH 46 + 26 4 UNCH 7 + 7 12 - 1 11 + 1 14 + 4 10 + 1 10 + 1 10 + 1 10 + 1 10 + 1 10 + 1 11 UNCH 26 + 26 276 + 26 276 + 26 276 + 26 276 + 26 276 + 26 276 + 26 277 + 45 1077 + 48 10 + 1 10 + 1 10 + 1 10 + 1 10 + 1 10 + 1 10 + 1 11 UNCH 26 + 26 276 + 26 276 + 26 276 + 26 276 + 26 276 + 26 277 + 45 1077 + 48 11 UNCH 277 + 48 11 UNCH 28 + 48 11 UNCH 29 + 48 10 + 10 10 + 10 10 + 10 11 UNCH 277 + 48 10 + 48 10 + 48 10 + 48 10 + 48 11 UNCH 29 + 48 29 + 48 29 + 48
		90 80 10 70 50 40 	#5.70B/2.30A #4.90B/2.00A 1.10/0.90 0.80/0.80 44.20B/1.70A 0.70/0.50 #3.60B/1.50A 0.60/0.50 0.40/0.40 #2.60B/ 0.30/8/ 0.30/*0.20 1.90/1.90 0.30/0.30 0.30/*0.10 0.10/*0.10 #0.10/*0.10 #0.10/*0.10	#5.708/2.30A #4.908/2.00A #1.10/0.90 0.80/0.80 0.80/0.80 0.70/0.50 #3.608/1.70A 0.70/0.50 0.40/0.40 #2.608/ 0.308/ 0.308/ 0.30/*0.20 1.90/1.90 0.30/0.30 0.30/*0.10 0.10/*0.10 1.30/1.30 0.20/0.20 #0.20/0.20 #0.10/*0.10 #0.10/*0.10 #0.10/*0.10		1.00 + 2.50 4.30 + 2.20 0.90 + 0.50 0.70 + 0.40 3.70 NEW 3.20 + 1.60 0.40 + 0.20 0.30 + 0.10 2.30 + 1.10 0.20 + 0.10 2.00 + 1.00 0.20 + 0.10 0.10 UNCH 0.10 UNCH 1.20 + 0.60 0.10 UNCH 0.10 UNCH	.1806 .1574 .0491 .0373 .1369 .0264 .1192 .0204 .0149 .0877 .0098 .0764 .0092 .0680 .0046 .0029 .0011 .0006 .0003 .0002			31 1 50 20  12 12 1 102 4 1 9 9 4 3 3  102 2 2 2 7 5 5 10 2 10 10 10 10 10 10 10 10 10 10 10 10 10		3 UNCH 1 UNCH 23 + 16 22 UNCH 50 + 50 17 + 17 2 UNCH 323 + 10 101 UNCH 1 UNCH 1 UNCH 1 UNCH 101 + 101 6 + 4 1 + 1 6 + 6 4 + 4 5 + 3 22 UNCH 101 UNCH 1 UNCH 1 UNCH 1 UNCH 1 UNCH 1 UNCH 1 UNCH 1 UNCH 2 UNCH 3 UNCH 2 UNCH 3 UNCH 3 UNCH 4 UNCH 4 UNCH 4 UNCH 4 UNCH 5 UNC
1730	1.60 1	000				0.10 UNCH 0.20 - 0.10 0.20 - 0.20 0.40 - 0.30 0.50 - 0.50 0.60 - 0.60 1.40 NEW 0.60 - 1.20 1.20 - 1.20 1.20 - 1.30 1.80 - 2.00 2.40 - 2.60 85.80 + 20.40 2.80 - 3.00 3.70 - 3.80 4.30 - 4.30 5.00 - 4.80 63.40 + 18.10 59.20 + 17.60 6.70 - 6.70 11.00 NEW 15.10 + 16.90 7.70 - 6.70 51.10 + 16.20 47.30 + 15.50 8.80 - 7.50 13.70 NEW 10.20 - 8.20 47.30 + 14.70 48.70 NEW 10.20 - 8.20 47.30 + 14.70 48.70 NEW 10.20 - 8.20 47.30 + 11.50 13.70 - 11.40 33.60 + 14.70 48.70 NEW 10.20 - 8.20 47.30 + 11.50 13.70 - 9.00 36.70 + 11.50 19.30 - 12.30 27.80 + 11.50 19.30 - 12.30 27.80 + 10.70 25.20 + 9.90 22.80 + 9.90 22.80 + 9.90 22.80 + 9.90 22.80 + 9.90 22.50 + 8.40 18.50 + 7.70 16.60 + 7.00 14.80 + 6.30	.0003 .0056 .0061 .0126 .0159 .0164 .0195 .0379 .0201 .0337 .0399 .0593 .0793 .0793 .0793 .0793 .1159 .1159 .1159 .1324 .1509 .8486 .8282 .1935 .2424 .48059 .2175 .7820 .7564 .2431 .2879 .2773 .6867 .6979 .6979 .6979 .6979 .6932 .4001 .5994 .4346 .5648 .5387 .4084 .4346 .5648 .5387 .4084 .4346 .5648 .5387 .4084 .4346 .5648 .5387 .4084 .4346 .5648 .5387 .4084 .4346 .5648 .5387 .4084 .4346 .5648 .5387 .4084 .4346 .5648 .5387 .4084 .4346 .5387 .4084 .4346 .5648 .5387 .4084 .4346 .5648 .5387 .4084 .4346 .5648 .5387 .4084 .4346 .5648 .5387 .4084 .4346 .5648 .5387 .4084 .4346 .5648 .5387 .4084 .4346 .5648 .5387 .4084 .4346 .5648 .5387 .4084 .4346 .5648 .5387 .4084 .4346 .5648 .5387 .4084 .4346 .5648 .5387 .4084 .4346 .5648 .5387 .4084 .4346 .5648 .5387 .4084 .4346 .5648 .4393 .4394			2841 1 1 1 1 1 1 1 8 1 5 4 4 1 1 8 2 1 1 1 1 8 2 1 1 1 1 8 2 1 1		1 UNCH 2 UNCH 1 UNCH 5 UNCH 5 UNCH 1 UNCH 1 UNCH 1 UNCH 5 UNCH 1 UNCH 1 UNCH 1 UNCH 1 UNCH 1 UNCH 2 UNCH 1 UNCH 2 UNCH 1 UNCH 2 UNCH 1 UNCH 2 UNCH 3 UNCH 4 UNCH 6 UNCH 2 UNCH 6 UNCH 6 UNCH 7 UNCH 8 UNCH 1 UNCH 8 UNCH 9 + 7 1 + 1 13 + 7 1 1 + 1 13 + 7 1 1 + 1 13 + 7 1 1 + 1 13 + 7 1 1 + 1 1 + 1 213 UNCH 6 UNCH 6 UNCH 9 + 7 1 1 + 1 1 + 1 2 UNCH 6 UNCH 9 + 7 1 1 + 1 1 + 1 2 UNCH 6 UNCH 9 + 7 1 1 + 1 1 + 1 2 UNCH 0 UNCH 1 + 1 1 + 1 2 UNCH 0 UNCH 0 UNCH 1 + 1 1 + 1 2 UNCH 0 UNCH 0 UNCH 1 + 1 1 + 1 2 UNCH 0 UNCH 0 UNCH 1 + 1 1 + 1 2 UNCH 0 UNCH 0 UNCH 1 + 5 UNCH 0 UNCH

## **METALS OPTIONS PRODUCTS**

Side 23

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







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	PRELIMINARY
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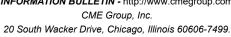
PG64	BULLETI	N # 9@		MI	ETALS OPTION	PRODUCTS				Fri,	Jan 13,	, 2023 PG64
	GLOBEX OPEN	OPEN OUTCRY OPEN RANGE	GLOBEX HIGH/LOW	OPEN OUTCRY HIGH/LOW	OPEN OUTCRY CLOSE RANGE	SETT.PRICE & PT.CHGE.	DELTA	EXER CISES	OPEN OUTCRY VOLUME	GLOBEX® VOLUME	PNT VOLUME	OPEN INTEREST
GWW WE	ED	GOLD WEEKLY WE	DNESDAY OPTION WEE	κ1								
1965 1970			#14.20B/6.90A #12.70B/6.00A	#14.20B/6.90A #12.70B/6.00A		13.30 + 5.80 11.80 + 5.20	.3329					24 UNCH 8 UNCH
1975 2015			66.50B/*44.70A #4.50B/	66.50B/*44.70A #4.50B/		47.00 - 18.30 4.20 NEW	.7221			2		2 UNCH 2 + 2
2015 2025			#8.00B/*4.50A #3.50B/ #3.80B/	#8.00B/*4.50A #3.50B/ #3.80B/		7.60 NEW 3.30 NEW 3.70 NEW	.1742 .0990 .0904			1 1 1		$     \begin{array}{ccccccccccccccccccccccccccccccccc$
2055 2075 TOTAL			#1.20B/	#1.20B/		3.70 NEW 1.20 + 0.50	.0364			 70		1 + 1 2 UNCH 619+ 34
	GLOBEX OPEN	OPEN OUTCRY OPEN RANGE	GLOBEX HIGH/LOW	OPEN OUTCRY HIGH/LOW	OPEN OUTCRY CLOSE RANGE	SETT.PRICE & PT.CHGE.	DELTA	EXER CISES	OPEN OUTCRY VOLUME	GLOBEX® VOLUME	PNT VOLUME	OPEN INTEREST
GMW MO JAN23	ON	GOLD WEEKLY MO	ONDAY OPTION WEEK4									
1580 1595						0.10 UNCH 0.10 UNCH						6 UNCH 2 UNCH
1600 1605						0.10 UNCH 0.10 UNCH						7 UNCH 168 UNCH 2 UNCH
1630 1635 1640						0.10 UNCH 0.10 UNCH 0.10 UNCH	.0000					2 UNCH 19 UNCH 8 UNCH
1645 1650						0.10 UNCH 0.10 UNCH	.0000					1 UNCH 5 UNCH
1650 1655	0.10	0.10	0.10/*0.10	0.10/*0.10		0.10 UNCH 0.10 UNCH	.0000			50		237 + 50 10 UNCH
1660 1660						0.10 UNCH 0.10 UNCH	.0000					5 UNCH 11 UNCH
1665 1670						0.10 UNCH 0.10 UNCH						5 UNCH 17 UNCH
1670 1675						0.10 UNCH 0.10 UNCH	.0000					2 UNCH 5 UNCH
1675 1680						0.10 UNCH 0.10 UNCH	.0000					1 UNCH 1 UNCH
1680 1685						0.10 UNCH 0.10 UNCH	.0001					45 UNCH 1 UNCH
1685 1690						0.10 UNCH 0.10 UNCH	.0001					12 UNCH 1 UNCH
1695 1700 1700						0.10 UNCH 0.10 UNCH 0.10 UNCH	.0002			1		1 UNCH 4 - 1 19 UNCH
1705						0.10 UNCH 0.10 UNCH 0.10 UNCH	.0003					38 UNCH 4 UNCH
1710 1710 1715						0.10 UNCH 0.10 UNCH 0.10 UNCH	.0006					81 UNCH 2 UNCH
1715 1715 1720						0.10 UNCH 0.10 UNCH	.0007					9 UNCH 15 UNCH
1720 1725						0.10 UNCH 0.10 UNCH	.0010					10 UNCH 4 UNCH
1725 1730						0.10 UNCH 0.10 UNCH	.0012					17 UNCH 218 UNCH
1730 1735						0.10 UNCH 0.10 UNCH	.0016 .0000					4 UNCH 4 UNCH
1740 1740						0.10 UNCH 0.10 - 0.10	.0000 .0026					43 UNCH 17 UNCH
1745 1745						0.10 UNCH 0.10 - 0.10	.0000					35 UNCH 36 UNCH
1750 1750						0.10 UNCH 0.20 UNCH	.0000					4 UNCH 14 UNCH
1755 1755						0.10 UNCH 0.20 - 0.10 0.10 UNCH	.0000 .0061 .0001					29 UNCH 6 UNCH 11 UNCH
1760 1760 1765				#164.60B/137.60A		161.70 + 22.90 0.10 UNCH	1.0000					1 UNCH 1 UNCH 14 UNCH
1765 1770			/*0.30A	/*0.30A		0.20 - 0.20 0.10 - 0.10	.0065					6 UNCH 42 UNCH
1770 1770 1770			#171.30B/144.40 /*0.30A	#171.30B/144.40A /*0.30A		168.60 + 22.90 0.20 - 0.20	.9935					2 UNCH 2 UNCH
1775 1775			#166.80B/138.90	#166.80B/138.90A		0.10 - 0.10 163.60 + 22.80	.0004 .9933					5 UNCH 1 UNCH
1775 1780			/*0.30A	/*0.30A		0.20 - 0.30 0.10 - 0.10	.0068			1		22 UNCH 26 UNCH
1780 1785	0.30	0.30	0.30/*0.30 /*0.20A	0.30/*0.30 /*0.20A		$\begin{array}{cccc} 0.30 & - & 0.20 \\ 0.10 & - & 0.20 \\ 126.70 & - & 22.70 \end{array}$	.0098					12 UNCH 10 UNCH
1785 1785			#139.60B/112.60 /*0.40A /*0.20A	#139.60B/112.60A /*0.40A /*0.20A		136.70 + 22.70 0.30 - 0.30 0.10 - 0.20	.9994 .0101 .0015					1 UNCH 11 UNCH 9 UNCH
1790 1790 1790				#134.60B/107.70A /*0.40A		131.70 + 22.70 0.30 - 0.40	.9988					7 UNCH 11 UNCH
1795 1795			/*0.20A	/*0.20A #146.60B/119.60A		0.10 - 0.30 143.70 + 22.60	.0022					9 UNCH 8 UNCH
1795 1800	0.20	0.20	/*0.40A 0.20/*0.20	/*0.40A 0.20/*0.20		0.30 - 0.50 0.10 - 0.40	.0107 .0031			3		11 UNCH 31 - 2
1800 1800			#125.10B/97.30A	#142.00B/114.30A #125.10B/97.30A		138.70 + 22.50 121.70 + 22.50	.9860 .9970					3 UNCH 35 UNCH
1800 1805	0.50	0.50	0.50/*0.40 /*0.20A	0.50/*0.40 /*0.20A		$ \begin{array}{rrrr} 0.40 & - & 0.50 \\ 0.10 & - & 0.50 \end{array} $	.0139 .0044			2		109 - 1 9 UNCH
1805	122.50	122.50	#119.70B/92.90A	#136.70B/109.90A #119.70B/92.90A		133.80 + 22.40 116.80 + 22.50	.9855					0 - 2 14 UNCH
1805 1810	0.70 0.40	0.70 0.40	0.70/*0.50A 0.40/*0.20A #114 80B/87 90A	0.70/*0.50A 0.40/*0.20A #114.80B/87.90A		$ \begin{array}{r} 0.40 - 0.60 \\ 0.20 - 0.50 \\ 111.80 + 22.40 \end{array} $	.0144 .0084 .9915			2 2		11 UNCH 25 – 2 66 UNCH
1810 1810 1815			/*0.60A /*0.20A	/*0.60A /*0.20A		0.50 - 0.70 0.20 - 0.60	.0177					32 UNCH 5 UNCH
1815 1815				#109.90B/83.00A /*0.60A		106.80 + 22.30 0.60 - 0.70	.9912 .0211					1 UNCH 12 UNCH
1820 1820			/*0.30A /*0.70A	/*0.30A /*0.70A		0.30 - 0.60 0.60 - 0.90	.0129 .0218			2		11 - 2 2 UNCH
1825 1825	0.50	0.50		0.50/*0.40A #117.30B/90.20A		0.30 - 0.80 114.10 + 22.00	.0134 .9743			5		8 - 1 5 UNCH
1825 1825	1.00	1.00	1.00/*0.80A	#100.30B/72.90A 1.00/*0.80A		96.90 + 22.10 0.70 - 1.00	.9864 .0255			1		7 UNCH 15 - 1
1830 1830	98.20	98.20		/*0.40A #112.10B/85.40A		0.40 - 0.90 $109.20 + 21.80$	.0178			4		11 UNCH 4 UNCH
1830 1830			#95.00B/68.10A /*0.90A /*0.50A	#95.00B/68.10A /*0.90A /*0.50A		92.00 + 21.90 0.80 - 1.20	.9820					24 UNCH 10 UNCH
1835 1835			#107.30B/80.70A	#107.30B/80.70A		0.50 - 1.10 104.30 + 21.60 87.10 + 21.80	.0223 .9639 .9775					12 UNCH 11 UNCH 6 UNCH
1835 1835			#90.10B/63.40A /*1.00A /*0.60A	#90.10B/63.40A /*1.00A /*0.60A		1.00 - 1.30 0.60 - 1.30	.0358					6 UNCH 2 UNCH 10 UNCH
1840 1840 1840				#102.40B/76.10A #85.20B/58.70A		99.50 + 21.50 82.20 + 21.50	.9598					3 UNCH 26 UNCH
1840 1845	1.60	1.60	1.70/*1.20A /*0.70A	1.70/*1.20A /*0.70A		1.10 - 1.60 0.70 - 1.60	.0399			4 1		12 + 2 6 - 1
1845 1845			#97.80B/71.50A #80.30B/54.10A	#97.80B/71.50A #80.30B/54.10A		94.70 + 21.20 77.30 + 21.20	.9529 .9677					6 UNCH 1 UNCH
1845 1850	1.00	1.00	/*1.40A 1.00/*0.90A	/*1.40A 1.00/*0.90A		1.30 - 1.80 0.90 - 1.90	.0468 .0409			3		1 UNCH 15 + 2
1850 1850			#93.00B/67.00A #75.80B/49.60A	#93.00B/67.00A #75.80B/49.60A		89.90 + 21.00 72.50 + 20.90	.9457 .9589					12 UNCH 35 UNCH
1850 1855			/*1.60A /*1.10A	/*1.60A /*1.10A		1.50 - 2.10 1.10 - 2.30	.0539			2		8 UNCH 158 + 1
1855 1855			#88.30B/62.60A #71.00B/45.20A	#88.30B/62.60A #71.00B/45.20A		85.20 + 20.70 67.70 + 20.50	.9359					5 UNCH 8 UNCH
1855 1860			/*1.80A /*1.40A #83.60B/58.20A	/*1.80A /*1.40A #83.60B/58.20A		1.80 - 2.30 1.30 - 2.80	.0637			11		16 UNCH 14 + 11
1860 1860	48.80 2.00	48.80 2.00	#83.60B/58.20A #66.20B/40.90A 2.00/*2.00	#83.60B/58.20A #66.20B/40.90A 2.00/*2.00		80.50 + 20.30 63.00 + 20.10 2.10 - 2.70	.9258 .9400 .0738			2 10		2 UNCH 12 UNCH 150 - 10
1860 1865 1865	1.60	1.60	1.60/*1.60 #78.90B/54.00A	1.60/*1.60 #78.90B/54.00A		1.70 - 3.30 75.90 + 20.00	.0763			5 		6 + 3 29 UNCH
1865 1865			#61.50B/36.70A /*2.50A	#61.50B/36.70A /*2.50A		58.30 + 19.50 2.50 - 3.00	.9234			15 		75 UNCH 177 UNCH
1870			/*2.10A	/*2.10A		2.10 - 3.90	.0933			1		118 UNCH

## **METALS OPTIONS PRODUCTS**

Side 24





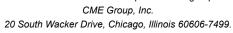




PG64 BULL	ETIN # 9@		M	IETALS OPTIO					Fri	Jan 13,	2023 PG64
GLOBEX OPEN		GLOBEX HIGH/LOW	OPEN OUTCRY HIGH/LOW	OPEN OUTCRY CLOSE RANGE	SETT.PRICE & PT.CHGE.	DELTA	EXER CISES	OPEN OUTCRY VOLUME	GLOBEX® VOLUME		OPEN INTEREST
GMW MON JAN23 1870 1875 3.80 1875 62.40 1875 1875 1880 5.60 1880 46.00 1880 1885 5.30 1885 1885 5.30 1885 1890 1.890 1890 1.900 1895 41.00 1895 41.00 1900 32.50 1900 10.00 1900 11.20 1905 14.30 1905 1905 14.30	OPEN RANGE  GOLD WEEKLY  3.80 62.40 5.60 5.30 8.70 11.90 41.00 10.00 32.50 20.50 20.50 11.20 13.10 14.30	MONDAY OPTION WEEK4  #56.80B/32.80A/*2.90A 3.80/*2.40 #69.80B/45.90A 452.30B/29.00A/*3.40A 5.60/*3.10A #65.30B/42.10A #47.80B/25.60A 447.80B/25.60A 5.40/*3.70A #61.00B/38.40A #43.50B/22.30A/*4.50A 12.70B/*4.50A 39.30B/18.90A 15.00B/*5.50A #52.50B/31.70A 451.00B/36.10A 17.30B/*6.60A 17.30B/*6.60A 17.30B/*6.60A 17.30B/*6.10A 17.30B/*6.60A 484.50B/28.60A 481.1.60/13.90A 15.00B/*7.10A 13.10/*8.00A 444.60B/25.10A 427.70B/11.90A 17.30B/*8.00A	#56.80B/32.80A/*2.90A 3.80/*2.40 #69.80B/45.90A #52.30B/29.00A/*3.40A #65.30B/42.10A #65.30B/42.10A #65.30B/42.10A 447.80B/25.60A/*3.90A 5.40/*3.70A #61.00B/38.40A #61.00B/38.40A #35.0B/22.30A/*4.50A 12.70B/44.50A #56.70B/34.90A #35.20B/16.20A 13.00B/*6.10A 17.30B/*8.60A #48.50B/28.60A #31.60/13.90A 15.00B/*7.10A 13.10/*8.00A #44.60B/25.10A #27.70B/11.90A 17.30B/*8.20A 23.20B/*9.60A	CLOSE RANGE	\$ PT.CHGE.  53.70 + 18.90 2.90 - 3.50 2.60 - 4.70 66.80 + 19.00 49.20 + 18.10 3.40 - 4.00 3.20 - 5.60 62.40 + 18.40 44.80 + 17.30 4.00 - 4.50 3.90 - 6.60 58.00 + 17.70 40.60 + 16.40 4.60 - 5.20 4.90 New 53.80 + 17.10 36.50 + 15.30 6.00 New 49.80 + 16.40 32.60 + 16.40 32.60 + 16.50 6.30 - 6.60 7.30 - 9.80 45.80 + 15.60 29.00 + 13.10 7.40 New 8.80 - 11.10 42.10 + 14.80 8.60 - 8.20 10.70 New	.9064 .0994 .1140 .8847 .8857 .1149 .1381 .8668 .8616 .3327 .1656 .8485 .8341 .1510 .2006 .8262 .7991 .2381 .8018 .7741 .7198 .7254 .7499 .7499 .7499 .7496	CISES	OUTCRY VOLUME			13 UNCH 40 UNCH 34 + 2 12 UNCH 31 UNCH 0 - 1 47 + 13 10 UNCH 44 - 1 1 UNCH 9 + 8 3 UNCH 1 UNCH 1 UNCH 1 UNCH 1 UNCH 1 UNCH 1 TO UNCH 1 UNCH
1910	14.80 30.80 18.00 13.60 14.80 21.40 16.20 13.40 18.00 20.00 11.00 18.10 10.00 3.20 1.30 1.30	23.208/% 9.60A #40.906/22.60A #24.408/10.10A 19.808/*9.50A 26.308/*11.50A #37.308/20.00A #21.208/8.60A 22.108/*10.90A 30.008/*13.60A #34.008/17.90A #18.408/7.20A 24.308/*12.60A 33.808/*12.60A 33.808/*12.60A 33.808/*15.10A #27.808/14.10A #27.808/14.10A #27.808/14.10A #25.008/12.60A #24.408/11.508/4.30A 46.408/*24.90A #11.508/4.30A 46.408/*24.90A #17.908/8.60A #20.108/9.70A #8.308/3.00A #17.908/8.60A #17.908/8.60A #17.908/8.60A #10.106/1.60A #11.108/5.10A 3.408/1.30A #9.80B/3.50A 2.008/1.80A 4.108/1.30A #9.80B/3.50A 2.008/1.70A 4.008/1.30A #9.80B/3.50A 2.008/ #6.70B/3.10A 1.70B/ #6.70B/3.10A 1.306/1.70A #3.50B/1.70A #3.50B/1.70A #3.50B/1.70A #3.50B/1.70A #3.50B/1.70A	23. 208/%, 60A #24.40B/10.10A 19.80B/\$9.50A 26.30B/*11.50A #37.30B/20.00A #21.20B/8.60A 22.10B/*10.90A 30.00B/*13.60A #21.20B/8.60A 22.10B/*10.90A 31.80B/*12.60A #18.40B/7.20A 41.30B/*12.60A #18.40B/7.20A #18.40B/7.20A #18.50B/12.60A #13.60B/5.10A #27.80B/12.60A #13.60B/5.10A #27.80B/12.60A #11.50B/4.30A 46.40B/*24.90A #27.80B/12.60A #11.70B/-70A #8.30B/\$1.50A #20.10B/9.70A #8.30B/3.60A #7.00B/2.60A #11.10B/1.60A #11.50B/4.30A #9.80B/3.60A #7.00B/2.60A 5.80B/2.20A 4.90B/1.30A #9.80B/4.50A 3.20/3.20 #8.60B/4.00A #9.80B/4.50A 3.20/3.20 #8.60B/4.00A #9.80B/4.50A 3.10B/1.30A #9.80B/4.50A 3.10B/1.30A #9.80B/4.50A 3.10B/1.30A #9.80B/4.50A 3.20/3.20 #8.60B/4.00A #9.80B/4.50A 3.30B/1.30A #9.80B/4.50A 3.30B/1.30A #9.80B/4.50A 3.30B/1.30A #9.80B/2.10A 1.30B/1.50A #3.50B/1.70A #3.10B/1.50A #3.50B/1.70A #3.10B/1.50A #2.70B/ #4.00B/1 #4.00B/1 #4.00B/1 #4.00B/1 #4.00B/1 #4.00B/1 #4.00B/ #6.70B/3.10A 1.30B/ #6.70B/ #6.70B/3.10A		38.50 + 14.00 22.30 + 10.60 10.00 - 9.00 12.70	.37130 .6247 .2865 .4257 .6790 .5740 .3205 .4781 .3560 .5303 .6435 .5216 .3560 .5303 .4694 .5695 .4184 .5317 .3324 .4947 .2923 .493 .4194 .293 .3184 .1540 .2820 .4197 .293 .1804 .1311 .2595 .2095 .2			10 19 7 200 7 16 7 7 16 6 7 7 11 6 6 7 11 6 7 11 6 7 11 7 10 4 10 10 10 10 10 10 10 10 10 10 10 10 10		10 + 10 80 UNCH 19 + 8 7 + 7 203 + 173 21 + 5 1 + 1 6 + 6 19 + 5 11 UNCH 1 UNCH 1 UNCH 2 + 1 17 + 7 2 + 1 1 UNCH 4 UNCH 40 UNCH 22 + 9 1 UNCH 40 UNCH 41 UNCH 5 UNCH 5 UNCH 61 UNCH 62 UNCH 64 UNCH 65 UNCH 66 UNCH 67 UNCH 68 UNCH 68 UNCH 69 UNCH 60 UNCH 60 UNCH 60 UNCH 60 UNCH 61 UNCH 62 UNCH 63 UNCH 64 UNCH 65 UNCH 66 UNCH 67 UNCH 68 UNCH 69 UNCH 60 UNCH 60 UNCH 60 UNCH 61 UNCH 61 UNCH 62 UNCH 63 UNCH 64 UNCH 65 UNCH 64 UNCH 65 UNCH 66 UNCH 67 UNCH 68 UNCH 68 UNCH 69 UNCH 60 UNCH 60 UNCH 61 UNCH 61 UNCH 61 UNCH 62 UNCH 63 UNCH 64 UNCH 64 UNCH 64 UNCH 65 UNCH 65 UNCH 66 UNCH 67 UNCH 67 UNCH 68 UNC
TOTAL FEB23 1615 1620 1625 1635 1645 1650 1655 1660 1665 1695 1700 1710 0.40 1710 1715 1720 1735 17460 1755 1760 1760 1760 1760 1770 1770 1770 1770 1770 1775 1.00 1780 1775 1.00 1785 1785 1785 1790 1.20 1795 1790 1.20 1795 1790 1.20 1800	0.50 0.40  0.70  1.00  2.60 1.20		0.50/*0.40A 0.40/*0.40/*0.40A/*0.50A/*0.50A/*0.90A #181.70B/154.60A 0.70/*0.50A/*1.00A 4176.70B/149.80A 0.80/*0.60A/*1.10A/*1.10A		0.10 UNCH 0.20 UNCH 0.20 UNCH 0.20 UNCH 0.20 UNCH 0.20 - 0.10 0.20 - 0.10 0.20 - 0.10 0.20 - 0.10 0.20 - 0.10 0.20 - 0.10 0.20 - 0.10 0.20 - 0.10 0.50 New 0.30 - 0.10 0.50 New 0.30 - 0.20 0.30 - 0.20 0.30 - 0.20 0.30 - 0.20 0.30 - 0.20 0.30 - 0.20 0.30 - 0.20 0.30 - 0.20 1.30 - 0.20 0.30 - 0.20 0.30 - 0.20 0.30 - 0.20 0.30 - 0.20 0.30 - 0.20 0.30 - 0.20 0.30 - 0.20 0.30 - 0.50 0.40 - 0.20 0.40 - 0.20 0.40 - 0.20 0.40 - 0.50 0.50 - 0.30 1.00 - 0.40 178.80 + 22.60 0.60 - 0.40 1.10 - 0.50 163.90 + 22.60 0.60 - 0.50 163.90 + 22.60 0.60 - 0.50 163.90 + 22.60 0.60 - 0.50 163.90 - 0.50 0.80 - 0.60 1.50 - 0.80 0.80 - 0.70 1.70 New 0.90 - 0.80 1.80 - 1.00 1.00 - 0.90 2.00 - 1.10 1.10 - 1.00 2.20 New 1.450 + 21.90	.0003 .0004 .0005 .0008 .0012 .0015 .0017 .00211 .0025 .0047 .0049 .0092 .0050 .0051 .0075 .0076 .0121 .0078 .0140 .0079 .0081 .0989 .0105 .0107 .0109 .0137 .0245 .9859 .0140 .0269 .0196 .0223 .0372 .0294 .0170 .0198 .0223 .0372 .0229 .0248 .0223 .0372 .0229 .0248 .0247 .0266 .0447 .0286 .0494 .0170 .0447 .0286 .0494 .0170 .0447 .0286 .0494 .0170 .0447 .0286 .0494 .0170 .0447 .0286 .0494 .0170 .0498 .0494 .0170 .0498 .0494 .0170 .0498 .0494 .0498 .0494 .0498 .0494 .0498			864		4359 + 601  2 UNCH 1 UNCH 3 UNCH 10 UNCH 5 UNCH 4 UNCH 1 UNCH 2 UNCH 4 UNCH 5 UNCH 5 UNCH 5 UNCH 6 UNCH 1 UNCH 2 UNCH 1 UNCH 1 UNCH 1 UNCH 1 UNCH 1 UNCH 2 UNCH 1 UNCH 2 UNCH 1 UNCH 2 UNCH 1 UNCH 2 UNCH 1 UNCH 5 UNCH 1 UNCH 5 UNCH 6 UNCH 1 UNCH 1 UNCH 1 UNCH 1 UNCH 2 UNCH 1 UNCH 1 UNCH 2 UNCH 1 UNCH 1 UNCH 1 UNCH 2 UNCH 1 UNCH 1 UNCH 2 UNCH 1 UNCH 1 UNCH 2 UNCH 1 UNCH 1 UNCH 1 UNCH 2 UNCH 1 UNCH 1 UNCH 2 UNCH 2 UNCH 1 UNCH 2 U

## **METALS OPTIONS PRODUCTS**

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





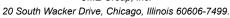
PG64	BULLE	TIN #	9@		N	METALS OPTION	PRODUCTS				Fri,	Jan 13,	2023	PG64
	GLOBEX OPEN		OUTCRY RANGE	GLOBEX HIGH/LOW	OPEN OUTCRY HIGH/LOW	OPEN OUTCRY CLOSE RANGE	SETT.PRICE & PT.CHGE.	DELTA	EXER	OPEN OUTCRY	GLOBEX®			OPEN
GMW M	ION	GOLD	WEEKLY	MONDAY OPTION WEEK2					CISES	VOLUME	VOLUME	VOLUME	INTE	EREST
FEB23 1810	3.00	3.00		3.00/*2.40A #132.508/106.40	3.00/*2.40A #132.50B/106.40A		2.40 - 1.40 129.60 + 21.70	.0591 .9597			1		6 + 4	1 UNCH
1810 1810 1815				/*1.40A /*2.60A	/*1.40A /*2.60A		1.40 - 1.20 2.70 - 1.60	.0399					76 5	UNCH
1815 1815				#127.70B/101.70 /*1.60A /*2.90A	#127.70B/101.70A /*1.60A /*2.90A		124.80 + 21.60 1.50 - 1.40 3.00 - 1.70	.9563 .0433 .0726			1 1		2 8 - 6 +	UNCH 1 1
1820 1820 1820	112.60 1.90	112.6 1.90	60	#122.90B/97.10A 1.90/*1.80A	#122.90B/97.10A 1.90/*1.80A		120.00 + 21.40 1.70 - 1.60	.9508 .0487			2 2		8 7 +	UNCH 1
1825 1825	3.90	3.90			4.00/*3.20A #118.40B/92.20A		3.30 - 2.00 115.20 + 21.20	.0795			25 		29 + 14 3	UNCH
1825 1830 1830				/*2.30A	/*2.00A #113.40B/87.60A /*2.30A		$\begin{array}{r} 2.00 - 1.70 \\ 110.50 + 21.10 \\ 2.20 - 1.90 \end{array}$	.0563 .9375 .0621					25 268	UNCH UNCH UNCH
1835 1835	4.50	4.50		#108.60B/83.20A /*2.50A 4.50/*4.30A	#108.60B/83.20A /*2.50A 4.50/*4.30A		105.80 + 20.80 2.50 - 2.10	.9296			1		8 31 +	UNCH 1
1840 1840 1840	4.50  4.00	4.50  4.00			#103.80B/78.80A 4.00/*2.80A		4.50 NEW 101.10 + 20.60 2.80 - 2.40	.1058 .9216 .0779			 2		1 + 6 10 +	1 UNCH 2
1845 1845	89.40	89.40	)	#99.30B/74.40A /*3.20A	#99.30B/74.40A /*3.20A		96.50 + 20.30 3.20 - 2.70	.9116 .0879			 		22 - 4	4 UNCH
1850 1850 1850	6.30  5.40	6.30  5.40		6.40/*5.40A #95.00B/70.20A 5.40/*3.60A	6.40/*5.40A #95.00B/70.20A 5.40/*3.60A		5.50 NEW 91.90 + 20.00 3.60 - 3.00	.1271 .9014 .0980			29  3		28 + 2 15 +	28 UNCH 2
1855 1855				/*6.00A #90.50B/66.00A	/*6.00A #90.50B/66.00A		6.10 NEW 87.40 + 19.60	.1393 .8894			8		8 + 5	8 UNCH
1855 1860 1860	6.30	6.30		/*4.10A 6.30/*6.30 #86.00B/62.00A	/*4.10A 6.30/*6.30 #86.00B/62.00A		4.10 - 3.30 6.80 NEW 83.00 + 19.30	.1101 .1530 .8756			4		13 4 + 8	UNCH 4 UNCH
1860 1860	5.20	5.20		5.20/*4.60A /*7.40A	5.20/*4.60A /*7.40A		4.70 - 3.60 7.60 - 4.60	.1239			5 8		9 + 10 +	2 7
1865 1865				#81.60B/58.10A /*5.20A #77.20B/54.30A	#81.60B/58.10A /*5.20A #77.20B/54.30A		78.60 + 18.80 5.30 - 4.10 74.40 + 18.50	.8616 .1378 .8459			1 10		203 1 - 9 -	UNCH 1 1
1870 1870 1875				/*5.90A /*9.10A	/*5.90A /*9.10A		6.00 - 4.50 9.40 NEW	.1535			1 1		11 1 +	UNCH 1
1875 1875				#73.00B/50.60A /*6.60A	#73.00B/50.60A /*6.60A		70.20 + 18.00 6.80 - 5.00	.8286 .1707			2		7 3	UNCH
1880 1880 1880				16.70B/*10.10A #68.80B/47.10A /*7.40A	16.70B/*10.10A #68.80B/47.10A /*7.40A		10.50 NEW 66.10 + 17.40 7.70 - 5.50	.2193 .8099 .1894			2 		2 + 2 5	2 UNCH UNCH
1885 1885	13.50 51.30	13.50 51.30		18.40B/*11.20A #64.70B/43.70A	18.40B/*11.20A #64.70B/43.70A		11.60 NEW 62.10 + 16.90	.2381 .7898			6 1		6 +	6 UNCH
1890 1890 1890	11.50	11.50	)	20.40B/*12.40A #60.80B/40.40A 16.70B/*9.40A	20.40B/*12.40A #60.80B/40.40A 16.70B/*9.40A		12.90 - 7.10 58.20 + 16.30 9.80 - 6.70	.2586 .7685 .2309			1		7 1 -	UNCH UNCH 1
1895 1895				#60.00B/40.90A 22.50B/*13.70A	#60.00B/40.90A 22.50B/*13.70A		57.60 + 15.20 14.30 - 7.60	.7192 .2799					1 3	UNCH UNCH
1895 1900 1900	49.30 39.40 15.30	49.30 39.40 15.30	)	#56.90B/37.30A #56.40B/38.10A 24.70B/*15.20A	#56.90B/37.30A #56.40B/38.10A 24.70B/*15.20A		54.50 + 15.70 54.20 + 14.70 15.80 - 8.20	.7450 .6971 .3021			1 1 5		19 - 5 +	UNCH 1 3
1900 1900	41.00	41.00		#53.20B/34.30A 20.80B/*11.80A	#53.20B/34.30A 20.80B/*11.80A		50.90 + 15.10 12.40 - 8.00	.7214 .2779			1 2		19 + 6	1 UNCH
1905 1905	13.60	13.60	)	#49.60B/31.10A 23.20B/*13.20A #46.20B/28.60A	#49.60B/31.10A 23.20B/*13.20A #46.20B/28.60A		47.40 + 14.40 13.90 - 8.60 44.00 + 13.70	.6960 .3033 .6692			1		2 2 + 1	UNCH 1 UNCH
1910 1910 1915	19.20	19.20		25.70B/*14.80A #46.50B/30.00A	25.70B/*14.80A #46.50B/30.00A		15.60 - 9.20 44.50 + 12.90	.3301			15 		16 + 2	15 UNCH
1915 1915	20.00 34.90	20.00 34.90		32.00B/*20.00 #42.90B/26.00A	32.00B/*20.00 #42.90B/26.00A		21.10 NEW 40.80 + 13.00	.3731			5 6		5 + 7	5 UNCH
1915 1920 1920	35.80 25.40	35.80 25.40		28.20B/*16.50A #43.40B/27.70A #39.70B/23.80A	28.20B/*16.50A #43.40B/27.70A #39.70B/23.80A		17.40 NEW 41.60 + 12.40 37.80 + 12.30	.3574 .6014 .6140			6 1		3 + 4 + 11 -	2 1
1920 1925	19.90	19.90		30.60B/*18.30A #40.50B/25.60A	30.60B/*18.30A #40.50B/25.60A		19.30 NEW 38.80 NEW	.3853 .5762			2 <u>1</u>		20 +	20 1
1925 1930 1935	31.60	31.60	)	#36.70B/21.70A #33.90B/19.80A #35.10B/21.80A	#36.70B/21.70A #33.90B/19.80A #35.10B/21.80A		34.90 + 11.60 32.10 + 10.90 33.60 NEW	.5853 .5564 .5254			<u>1</u> 1		4 1 +	UNCH UNCH 1
1935 1940	28.00	28.00	)	#31.20B/18.00A #32.70B/20.10A	#31.20B/18.00A #32.70B/20.10A		29.50 + 10.20 31.20 NEW	.5271 .5001			<u>7</u>		2 7 +	UNCH 7
1940 1940 1945	31.00	31.00	)	46.20B/*31.00 #28.70B/16.40A #30.40B/18.40A	46.20B/*31.00 #28.70B/16.40A #30.40B/18.40A		32.60 - 12.90 27.10 + 9.60 28.90 + 9.50	.4991 .4979 .4749			3 4 2		3 + 2 + 4 +	2 1 1
1945 1950				#26.40B/15.00A #28.10B/17.00A	#26.40B/15.00A #28.10B/17.00A		24.80 + 8.90 26.70 + 8.90	.4690 .4500					14 1	UNCH UNCH
1950 1950	23.10	23.10	1	53.00B/*36.70A #24.10B/13.60A #26.10B/15.70A	53.00B/*36.70A #24.10B/13.60A #26.10B/15.70A		38.20 - 14.00 22.70 + 8.30 24.70 NEW	.5492 .4405 .4256			12 5		1 14 + 5 +	UNCH 6 5
1955 1955 1960	24.00	24.00		#22.10B/12.30A #24.10B/14.40A	#22.10B/12.30A #24.10B/14.40A		20.80 + 7.80 22.80 NEW	.4128			<del>-</del> 5		6 5 +	UNCH 5
1960 1965	19.60	19.60		#20.10B/11.20A #22.30B/13.20A	#20.10B/11.20A #22.30B/13.20A		18.90 + 7.10 21.10 NEW	.3853			1		250 1 +	UNCH 1
1965 1970 1975	14.60	14.60	)	#18.40B/10.10A #16.70B/9.10A #18.90B/11.10A	#18.40B/10.10A #16.70B/9.10A #18.90B/11.10A		17.20 + 6.60 15.70 + 6.10 17.90 NEW	.3590 .3340 .3341			 2		2 + 2 2 +	1 UNCH 2
1975 1980				#15.20B/8.30A #17.40B/10.10A	#15.20B/8.30A #17.40B/10.10A		14.30 + 5.60 16.50 + 5.90	.3101 .3133			3		8 5	UNCH UNCH
1980 1985				#13.80B/7.50A #16.10B/9.30A #12.60B/6.70A	#13.80B/7.50A #16.10B/9.30A #12.60B/6.70A		13.00 + 5.20 15.10 NEW 11.80 + 4.80	.2872 .2927 .2655			3 1		3 3 + 0 -	UNCH 3
1985 1990 1990	8.70	8.70		#14.80B/8.50A #11.40B/6.10A	#14.80B/8.50A #11.40B/6.10A		13.90 NEW 10.70 + 4.40	.2736			51 5		51 + 7 +	51 5
1995 1995				#13.60B/7.80A #10.30B/5.50A	#13.60B/7.80A #10.30B/5.50A		12.80 + 4.70 9.70 + 4.00	.2556					15 15	UNCH
2000 2000 2005	6.80	6.80		#12.50B/7.10A #9.40B/5.00A #11.40B/6.60A	#12.50B/7.10A #9.40B/5.00A #11.40B/6.60A		11.70 NEW 8.80 + 3.70 10.80 + 4.00	.2377 .2076 .2219			4 4 		4 + 8 + 15	4 3 UNCH
2005 2010				#8.50B/ #7.70B/	#8.50B/ #7.70B/		8.00 + 3.40 7.30 + 3.10	.1910					3 79	UNCH
2015 2015				#9.60B/5.50A #6.90B/	#9.60B/5.50A #6.90B/		9.10 NEW 6.60 + 2.80	.1918 .1612			54 		54 + 7	54 UNCH
2020 2020 2025	8.70  7.00	8.70  7.00		#8.90B/5.10A #6.30B/ #8.10B/4.70A	#8.90B/5.10A #6.30B/ #8.10B/4.70A		8.40 NEW 6.00 + 2.60 7.70 NEW	.1786 .1479 .1657			5  1		4 + 3 1 +	UNCH 1
2025 2030				#5.70B/ #5.20B/	#5.70B/ #5.20B/		5.40 + 2.30 4.90 + 2.10	.1349 .1235					4 1	UNCH
2035 2040	3.60	3.60		#4.70B/ #4.20B/3.60 #5.30B/	#4.70B/ #4.20B/3.60 #5.30B/		4.50 + 1.90 $4.00 + 1.60$ $5.10 + 2.00$	.1138 .1028 .1142			1		19 8 - 1	UNCH 1 UNCH
2050 2050 2055				#3.50B/ #4.90B/	#3.50B/ #4.90B/		3.40 + 2.00 $3.40 + 1.40$ $4.70 + 1.80$	.1142 .0876 .1059					11 1	UNCH UNCH UNCH
2055 2060				#3.20B/ #4.50B/	#3.20B/ #4.50B/		3.10 + 1.30 $4.30 + 1.70$	.0803 .0977			1		10 25 -	UNCH
2075 2075 2085				#3.60B/ #2.20B/ #3.00B/	#3.60B/ #2.20B/ #3.00B/		3.40 NEW 2.20 + 1.00 3.00 NEW	.0783 .0574 .0689			<u>-</u> 1		1 + 30 1 +	UNCH 1
2095 TOTAL				#2.60B/	#2.60B/		2.60 NEW	.0599			3 414		3 + 2032+	300
-					S	SILVER OPTIONS	ON FUTURES							

GLOBEX OPEN SMW MON		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 EREST
SMW MON	N	SILVER WEEKLY M	ONDAY OPTION WEEK5										
JAN23													
2000						0.005 - 0.002	.0061					1	UNCH
2075						0.001 - 0.002	.0015					1	UNCH
2100			/*0.012A	/*0.012A		0.012 - 0.007	.0157					5	UNCH
2150			/*0.007A	/*0.007A		0.005 - 0.006						2	UNCH
2175						2.627 + 0.359	.9884					7	UNCH
2200			0.028B/*0.012A	0.028B/*0.012A		0.011 - 0.012	.0181					31	UNCH
2200			/1.662A	/1.662A		2.381 + 0.355	.9818					4	UNCH
2200			0.082B/*0.037A	0.082B/*0.037A		0.037 - 0.028	.0491					32	UNCH

#### **METALS OPTIONS PRODUCTS**

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

CME Group, Inc.





Side 26

Fri, METALS OPTION PRODUCTS PG64 BULLETIN # 9@ Jan 13, 2023 PG64 OPEN OUTCRY VOLUME OPEN INTEREST GLOBEX OPEN OPEN OUTCRY OPEN RANGE GLOBEX HIGH/LOW OPEN OUTCRY HIGH/LOW OPEN OUTCRY CLOSE RANGE GLOBEX® VOLUME PNT VOLUME SETT.PRICE & PT.CHGE. EXER CISES DELTA SILVER WEEKLY MONDAY OPTION WEEK4 0.0428/\*0.015A
2.2228/1.500A
1.8578/1.428A
0.0658/\*0.021A
1.8578/1.295A
1.8788/1.207A
0.0738/\*0.023A
0.0808/\*0.025A
0.1138/\*0.034A
0.1728/\*0.051A
0.1868/\*0.055A
0.1386/\*0.055A
0.1328/\*0.067A
1.2398/0.672A
0.2328/\*0.069A
1.2508/0.639A
0.3848/\*0.166A
1.3418/0.774A
0.2698/\*0.166A
0.3418/0.774A
0.2698/\*0.166A
0.3418/0.4040A
0.4528/\*0.11A
0.9418/0.466A
0.9018/0.4040A
0.4528/\*0.11A
0.9418/0.466A
0.9018/0.41A
0.4708/\*0.164A
0.7708/\*0.170A
0.8618/0.170A
0.8618/0.170A
0.8618/0.170A
0.8708/\*0.164A
0.7708/\*0.263A
0.898/\*0.170A
0.8418/0.440A
0.7508/\*0.164A
0.7708/\*0.263A
0.8598/\*0.177A
0.3528/\*0.278A
0.8238/0.392A
0.4808/\*0.164A
0.7708/\*0.263A
0.898/\*0.141A
0.7478/0.348A
0.5098/\*0.170A
0.8418/0.412A
0.8998/\*0.353A
0.8388/\*0.141A
0.8418/0.412A
0.8998/\*0.363A
0.8108/0.412A
0.8998/\*0.363A
0.8108/0.412A
0.898/\*0.164A
0.4868/0.202A
0.3988/\*0.164A
0.2018/\*0.563A
0.3838/\*0.114A
0.4468A
0.5118/\*0.166A
0.8098/\*0.137A
0.7808/\*0.168A
0.2018/\*0.168A
0.2018/\*0.169A 0.042B/\*0.015A
2.222B/1.500A
1.222B/1.500A
1.8578/1.428A
0.055B/\*0.018A
0.066B/\*0.021A
1.88788/1.295A
1.8788/1.295A
1.8788/1.295A
1.8788/1.295A
1.8788/1.073A
0.080B/\*0.025A
0.173B/\*0.055A
0.173B/\*0.055A
0.172B/\*0.051A
0.186B/\*0.055A
0.364B/\*0.157A
1.239B/0.672A
0.232B/\*0.069A
1.250B/0.639A
0.384B/\*0.166A
0.323B/\*0.069A
1.250B/0.639A
0.384B/\*0.166A
0.341B/0.774A
1.0378/0.492A
0.384B/\*0.081A
0.288B/\*0.087A
0.352B/\*0.111A
0.941B/0.466A
0.901B/0.440A
0.570B/\*0.263A
0.852B/\*0.11A
0.941B/0.466A
0.570B/\*0.164A
0.747B/0.348A
0.509B/\*0.170A
0.480B/\*0.164A
0.770B/\*0.364A
0.770B/\*0.165A
0.809B/\*0.170A
0.841B/0.49A
0.770B/\*0.265A
0.809B/\*0.16A
0.770B/\*0.265A
0.809B/\*0.16A
0.770B/\*0.265A
0.809B/\*0.36A
0.570B/\*0.272A
0.780B/\*0.16A
0.809B/\*0.36A
0.810B/0.412A
0.899B/\*0.565A
0.810B/0.412A
0.899B/\*0.36A
0.810B/0.412A
0.898B/\*0.16A
0.808B/\*0.16A
0.288B/\*0.102A
0.398B/\*0.16A
0.298B/\*0.16A
0.298B/\*0.102A
0.398B/\*0.102A
0.398B/\*0.102A
0.398B/\*0.103A
0.201B/\*0.063A
0.274B/\*0.125A 0.015 2.170 2.136 0.019 0.022 1.940 0.024 0.034 0.054 0.055 1.202 0.170 1.301 0.095 0.953 0.953 0.953 0.953 0.284 0.875 0.284 0.875 0.284 0.209 0.810 0.269 0.838 0.765 0.284 0.209 0.363 0.209 0.409 0.017 0.331 0.349 0.022 0.026 0.320 0.320 0.031 0.059 0.284 0.089 0.268 0.284 0.249 0.250 0.114 0.249 0.215 0.114 0.249 0.115 .0250 .9333 .0319 .0371 .0371 .0371 .0405 .0405 .0896 .0996 0.168 0.168 0.728 0.728 0.450 ----0.583 0.583 0.175 0.175 0.200 0.200 10 1 1 1 1 5 0.220 0.220 NEW 0.338 0.030 0.038 0.007 0.023 0.003 0.009 0.001 0.003 0.003 1 10 6 1 2 11 1 2 320 + TOTAL FEB23 ---/\*0.023A
#3.470B/2.716A
0.054aF\*0.034A
#3.232B/2.488A
2.9778J/2.228A
2.572BJ/1.855A
2.5058/1.800A
#0.356B/\*0.201A
0.298B/\*0.154A
#0.366B/\*0.219A
#1.9078J/1.305A
0.420B/\*0.338A
0.427B/\*0.225A
0.549B/\*0.317A
0.570B/\*0.330A
0.550B/\*0.270A
#1.530B/1.002A
---/0.897A
#1.357B/0.872A
1.053B/0.822A
0.856B/\*0.158A
0.885B/\*0.746A
0.915B/\*0.355A
0.8286/\*0.158A
0.815B/0.872A
1.053B/0.872A
1.062B/\*0.158A
0.856B/\*0.158A
0.1021B/\*0.622A
0.746B/0.414A
0.500/0.267A
0.345B/\*0.153A
0.164B/\*0.091A
0.114B/\*0.066A
0.079B/\*0.048A
0.056B/\*0.036A
0.040B/\*0.028A ---/\*0.023A
#3.470B/2.716A
0.054B/\*0.034A
#3.232B/2.488A
2.972B/2.228A
#2.542B/1.855A
2.5058/1.800A
#0.356B/\*0.201A
0.298B/\*0.154A
#1.907B/1.305A
0.420B/\*0.238A
0.427B/2.258A
0.447B/0.025A
0.549B/\*0.317A
0.570B/\*0.330A
0.506B/\*0.270A
#1.530B/1.002A
---/0.897A
#1.357B/0.872A
1.053B/0.822A
0.856B/\*0.494A
0.9158/\*0.255A
0.885B/\*0.178A
0.250B/\*0.317A .0224 9486 0352 9371 9434 18851 1732 1534 1860 6397 2587 6907 6820 6639 3729 3821 4036 4349 4472 4472 5086 4539 3812 22886 57512 11119 11119 11119 0.021
3.418
0.033
3.182
2.920
2.498
2.457
0.213
0.164
0.252
0.190
0.241
0.335
0.349
1.356
0.349
1.356
0.568
0.568
0.568
0.568
0.568
0.568
0.747
0.652
0.744
0.658
0.335 0.009
0.348
0.015
0.344
0.343
0.325
0.329
NEW
0.065
0.071
0.291
0.073
0.278
0.102
0.102
0.258
0.102
0.102
0.102
0.102
0.103
0.146
0.167
0.165
0.167
0.165
0.167
0.169
0.102
0.002
0.002 2050 2100 2125 2150 2200 2255 2275 2265 2340 2420 2440 2440 2440 2470 2550 2755 2650 2750 2800 70TAL 0.307 0.307 0.390 0.390 UNCH 0.820 0.820 1 4 9 1 1 7 2 5 8 200 10 10 1 345 0.615 0.500 0.321 0.615 0.500 0.321 UNCH UNCH UNCH UNCH UNCH UNCH UNCH 45 0.271 0.271 SO CALL COMEX STIVER OPTIONS FEB23 1400 1425 1700 1725 1800 1825 1825 1840 1845 1850 1850 1850 1850 1870 ----/9.957A
----/9.717A
----/6.957A
----/6.717A
----/5.957A
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----/5.218A
----/4.250A
----/4.719A
----/4.250A
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----/3.771A
----/3.771A
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----/3.621A
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----/9.717A
----/6.957A
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----/5.957A
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----/5.268A
----/5.268A
----/5.268A
----/5.268A
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----/4.958A
----/4.719A
----/4.459A
----/4.459A
----/4.719A
----/3.771A
---/3.621A
---/3.621A 0.368 0.368 0.368 0.368 0.368 0.368 0.368 0.368 0.368 0.368 0.368 0.368 0.368 0.368 0.368 0.368 0.368 0.368 10.372 10.122 7.372 7.122 6.172 6.172 6.122 5.972 5.872 5.822 5.722 5.622 5.722 5.622 5.372 4.622 4.372 4.172 4.022 3.972 .0000 .0000 .0000 .0000 .0000 .0000 .0000 .0000 .0000 .0000 .0000 .0000 .0000 .9999 .9995 .9992 .9972 .9972 .9971 .9971 1925 1950 1975 2000 2020 2025 2030 2035 2040 2050

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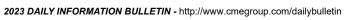




PG64	BULLET	IN # 9@		M	ETALS OPTION P				Fri,	Jan 13,	, 2023 PG64
	GLOBEX OPEN	OPEN OUTCRY OPEN RANGE	GLOBEX HIGH/LOW	OPEN OUTCRY HIGH/LOW	OPEN OUTCRY CLOSE RANGE	SETT.PRICE & PT.CHGE. DELTA	EXER CISES	OPEN OUTCRY VOLUME	GLOBEX® VOLUME	PNT VOLUME	OPEN INTEREST
SO CA FEB23		COMEX SILVER O	PTIONS								
2060 2070 2075			/3.372A /3.273A /3.223A	/3.372A /3.273A /3.223A		3.773 + 0.365 .9957 3.673 + 0.364 .9955 3.623 + 0.364 .9955					2 UNCH 3 UNCH 18 UNCH
2100 2115 2125			/3.3/2A/3.273A/3.223A/2.965A/2.729A/2.680A/2.511A/2.461A/2.414A/2.316A/2.318A/2.270A 2.3078/1.917A	/2.965A /2.827A /2.729A		3.375 + 0.363 .9926 3.226 + 0.361 .9910 3.127 + 0.360 .9895					121 UNCH 2 UNCH 13 UNCH
2130 2135			/2.680A /2.631A	/2.68UA /2.631A		3.077 + 0.359 .9881 3.028 + 0.359 .9879					7 UNCH 6 UNCH
2140 2145 2150			/2.511A /2.463A /2.414A	/2.511A /2.463A /2.414A		2.978 + 0.358 .9865 2.929 + 0.357 .9851 2.880 + 0.357 .9837					15 UNCH 31 UNCH 377 UNCH
2155 2160 2165			/2.366A /2.318A /2.270A	/2.366A /2.318A /2.270A 2.307B/1.917A		2.831 + 0.356 .9834 2.781 + 0.354 .9820 2.732 + 0.353 .9805					10 UNCH 13 UNCH 1 UNCH
2175 2180 2185			2.307B/1.917A /2.127A /2.080A	2.307B/1.917A /2.127A /2.080A		2.635 + 0.352 .9775 2.586 + 0.351 .9760 2.537 + 0.349 .9732					146 UNCH 5 UNCH 15 UNCH
2190 2195			/2.127A /2.080A /2.033A /1.986A	/2.127A /2.080A /2.033A /1.986A		2.488 + 0.348 .9717 2.440 + 0.347 .9700					2 UNCH 13 UNCH
2200 2205 2210	2.115	2.115 	2.256B/1.689A /1.893A /1.846A /1.591A /1.539A	2.256B/1.689A /1.893A /1.846A /1.591A /1.539A		2.343 + 0.343 .9645 2.295 + 0.342 .9627			3 		89 + 3 49 UNCH 7 UNCH
2215 2220 2225	1.539	 1.539	Z.ZU8B/I.4bbA	2.208B/1.466A		2.247 + 0.340 .9599 2.199 + 0.338 .9559 2.152 + 0.337 .9529			 3		1 UNCH 2 UNCH 31 + 1
2230 2235 2240			/1.454A /1.411A	/1.454A /1.411A /1.370A		2.104 + 0.334 .9489 2.057 + 0.332 .9459 2.010 + 0.330 .9418					6 UNCH 3 UNCH 7 UNCH
2250 2255	1.429	1.429	1.971B/1.256A 1.559B/1.249A	1.971B/1.256A 1.559B/1.249A		1.917 + 0.326 .9325 1.871 + 0.323 .9273			4 		47 + 4 6 UNCH
2260 2265 2270			1.573B/1.211A 1.572B/1.172A 1.571B/1.108A	1.573B/1.211A 1.572B/1.172A 1.571B/1.108A 1.740B/1.061A		1.825 + 0.321 .9220 1.779 + 0.318 .9167 1.734 + 0.315 .9105			6 		21 UNCH 8 UNCH 4 UNCH
2275 2280 2285	1.550	1.550 	/1.3/0A 1.9718/1.256A 1.559B/1.249A 1.573B/1.211A 1.572B/1.172A 1.571B/1.108A 1.740B/1.061A 1.556B/1.034A 1.571B/0.995A	1.740B/1.061A 1.556B/1.034A 1.571B/0.995A		1.689 + 0.312 .9042 1.644 + 0.309 .8978 1.600 + 0.306 .8905			1 		46 - 1 44 UNCH 13 UNCH
2290 2295 2300			1.564B/0.961A 1.526B/0.923A 1.516B/0.879A	1.564B/0.961A 1.526B/0.923A 1.516B/0.879A		1.556 + 0.302 .8832 1.512 + 0.298 .8759 1.469 + 0.295 .8677			 6		43 UNCH 6 UNCH 271 + 6
2305 2310			1.438B/0.848A 1.395B/0.816A	1.438B/0.848A 1.395B/0.816A		1.426 + 0.291 .8594 1.384 + 0.287 .8503					7 UNCH 9 UNCH
2315 2320 2325	0.820	 0.820	1.352B/0.783A 1.310B/0.753A 1.303B/0.719A	1.352B/0.783A 1.310B/0.753A 1.303B/0.719A		1.342 + 0.282 .8412 1.301 + 0.278 .8320 1.260 + 0.274 .8220 1.220 + 0.269 .8114			 6		42 UNCH 80 UNCH 131 - 1
2330 2335 2340	0.740	0.740	1.227B/0.692A 1.186B/0.659A 1.173B/0.632A	1.227B/0.692A 1.186B/0.659A 1.173B/0.632A		1.180 + 0.264 .8007 1.141 + 0.260 .7893			3 		6 UNCH 13 + 1 11 UNCH
2345 2350	0.753	0.753	1.140B/0.604A 1.104B/0.578A 1.064B/0.552A	1.140B/0.604A 1.104B/0.578A 1.064B/0.552A		1.102 + 0.254 .7779 1.064 + 0.249 .7659 1.027 + 0.244 .7533			21 		12 UNCH 250 - 5 21 UNCH
2355 2360 2365	0.826 0.816	0.826 0.816	1.027B/0.527A 0.990B/0.503A	1.027B/0.527A 0.990B/0.503A		0.990 + 0.238 .7407 0.954 + 0.233 .7276			2 4		41 - 2 10 + 4
2370 2375 2380	0.630 	0.630 	0.954B/0.479A 0.921B/0.456A 0.884B/0.435A	0.954B/0.479A 0.921B/0.456A 0.884B/0.435A		0.919 + 0.227 .7140 0.884 + 0.221 .7003 0.851 + 0.216 .6862			9 19 		62 + 4 205 + 2 17 UNCH
2385 2390 2395	0.498 0.577	0.498 0.577	0.851B/0.414A 0.819B/0.394A 0.787B/0.374A	0.851B/0.414A 0.819B/0.394A 0.787B/0.374A		0.818 + 0.211 .6718 0.786 + 0.205 .6570 0.754 + 0.199 .6419			 2 3		5 UNCH 66 UNCH 99 + 2
2400 2405	0.450 0.564	0.450 0.564	0.755/0.356A 0.723B/0.337A	0.755/0.356A 0.723B/0.337A		0.724 + 0.194 .6269 0.694 + 0.188 .6116			45 4		554 + 18 69 - 4
2410 2415 2420	0.395	 0.395	0.693B/0.320A 0.665B/0.304A 0.637B/0.289A	0.693B/0.320A 0.665B/0.304A 0.637B/0.289A		0.665 + 0.182 .5959 0.637 + 0.177 .5804 0.610 + 0.172 .5646			 5		41 UNCH 43 UNCH 53 + 5
2425 2430 2435	0.428	0.428 	0.610B/0.275A 0.582B/0.261A 0.557B/0.247A	0.610B/0.275A 0.582B/0.261A 0.557B/0.247A		0.583 + 0.165 .5488 0.558 + 0.161 .5330 0.533 + 0.155 .5172			22 6 		201 UNCH 42 - 6 5 UNCH
2440 2445	0.266  0.332	0.266  0.332	0.532B/0.233A 0.508B/0.220A 0.484B/0.209A	0.532B/0.233A 0.508B/0.220A 0.484B/0.209A		0.509 + 0.149 .5014 0.486 + 0.144 .4857 0.463 + 0.138 .4700			51  67		54 + 43 9 UNCH 486 + 2
2450 2455 2460	0.424	0.424	0.462B/0.198A 0.440B/*0.188A	0.462B/0.198A 0.440B/*0.188A		0.442 + 0.133 .4545 0.421 + 0.128 .4391			8 1		12 UNCH 39 UNCH
2465 2470 2475	0.199  0.307	0.199  0.307	0.420B/*0.178A 0.400B/*0.168A 0.380B/*0.160A	0.420B/*0.178A 0.400B/*0.168A 0.380B/*0.160A		0.401 + 0.123 .4239 0.382 + 0.118 .4089 0.363 + 0.112 .3940			101  36		111 + 95 15 UNCH 221 UNCH
2480 2485 2490	0.250	 0.250	0.362B/*0.151A 0.343B/*0.143A 0.327B/*0.136A	0.362B/*0.151A 0.343B/*0.143A 0.327B/*0.136A		0.345 + 0.107 .3794 0.328 + 0.102 .3650 0.312 + 0.098 .3511			  1		19 UNCH 5 UNCH 9 + 1
2495 2500	0.240 0.205	0.240 0.205	0.309B/*0.129A 0.300/*0.122A	0.309B/*0.129A 0.300/*0.122A		0.296 + 0.093 .3372 0.281 + 0.089 .3237			2 882		51 + 1 1762 + 264
2505 2510 2515	0.201 0.245	0.201 0.245	0.278B/*0.115A 0.265B/*0.109A 0.251B/*0.103A	0.278B/*0.115A 0.265B/*0.109A 0.251B/*0.103A		0.267 + 0.085 .3107 0.253 + 0.080 .2977 0.240 + 0.076 .2853			150 2		131 + 100 127 UNCH
2520 2525 2530	0.162 0.154	0.162 0.154	0.239B/*0.097A 0.226B/*0.093A 0.214B/*0.088A	0.239B/*0.097A 0.226B/*0.093A 0.214B/*0.088A		0.227 + 0.072 .2729 0.215 + 0.068 .2610 0.204 + 0.065 .2497			4 11		46 UNCH 676 + 1 36 + 11
2535 2540 2545			0.202B/*0.083A 0.191B/*0.079A 0.181B/*0.074A	0.202B/*0.083A 0.191B/*0.079A 0.181B/*0.074A		0.193 + 0.061 .2385 0.183 + 0.058 .2279 0.173 + 0.055 .2174					49 UNCH 7 UNCH 12 UNCH
2550 2555	0.166	0.166	0.172B/*0.070A 0.163B/*0.067A	0.172B/*0.070A 0.163B/*0.067A		0.164 + 0.052 .2076 0.155 + 0.049 .1978			50 		588 - 12 20 UNCH
2560 2565 2570	0.142 0.132	0.142 0.132	0.153B/*0.063A 0.145B/*0.059A 0.137B/*0.056A	0.153B/*0.063A 0.145B/*0.059A 0.137B/*0.056A		0.147 + 0.047 .1888 0.139 + 0.044 .1798 0.131 + 0.041 .1709			8 1		17 UNCH 65 UNCH 13 + 1
2575 2580 2585	0.074  0.067	0.074  0.067	0.130B/*0.053A 0.123B/*0.050A 0.117B/*0.048A	0.130B/*0.053A 0.123B/*0.050A 0.117B/*0.048A		0.124 + 0.039 .1628 0.117 + 0.037 .1547 0.111 + 0.035 .1474			30  10		130 + 16 18 UNCH 20 + 4
2590 2595 2600	0.058	0.058	0.110B/*0.045A 0.104B/*0.043A 0.099B/*0.040A	0.110B/*0.045A 0.104B/*0.043A 0.099B/*0.040A		0.105 + 0.033 .1402 0.099 + 0.031 .1331 0.094 + 0.030 .1268			1697		39 UNCH 19 UNCH 1372 + 337
2605 2610			0.093B/*0.038A 0.088B/*0.036A	0.093B/*0.038A 0.088B/*0.036A		0.089 + 0.028 .1206 0.084 + 0.027 .1144					66 UNCH 130 UNCH
2615 2620 2625	0.043	0.043	0.084B/*0.035A 0.079B/*0.033A 0.074B/*0.031A	0.084B/*0.035A 0.079B/*0.033A 0.074B/*0.031A		0.079 + 0.025 .1083 0.075 + 0.024 .1031 0.071 + 0.023 .0979			7  39		23 + 7 65 UNCH 245 + 1
2650 2675 2700	0.060  0.030	0.060  0.030	0.060/*0.024A 0.042B/*0.020A 0.031B/*0.016A	0.060/*0.024A 0.042B/*0.020A 0.031B/*0.016A		0.054 + 0.017 .0756 0.041 + 0.013 .0580 0.032 + 0.010 .0453			16 21 35		208 - 10 158 + 20 161 + 17
2725 2750			0.024B/*0.013A 0.018B/*0.011A 0.013B/*0.010A	0.024B/*0.013A 0.018B/*0.011A 0.013B/*0.010A		0.025 + 0.008 .0354 0.019 + 0.005 .0270 0.015 + 0.004 .0212			22 28 19		64 - 2 104 + 7 61 - 5
2775 2800 2825			0.010B/*0.008A 0.008B/	0.010B/*0.008A 0.008B/		0.012 + 0.003 .0168 0.009 + 0.002 .0126			3		358 - 3 17 UNCH
2850 2875 2900						0.007 + 0.001 .0098 0.006 + 0.001 .0082 0.005 + 0.001 .0067					51 UNCH 8 UNCH 102 UNCH
2925 2950 2975						0.004 + 0.001 .0053 0.003 UNCH .0040 0.003 + 0.001 .0038					25 UNCH 94 UNCH 29 UNCH
3000 3025 3050	0.003	0.003 	0.003/0.003 	0.003/0.003 		0.002 UNCH .0026 0.002 UNCH .0025 0.002 + 0.001 .0024			1 		611 UNCH 4 UNCH 6 UNCH
3075 3100						0.001 UNCH .0012 0.001 UNCH .0008					17 UNCH 33 UNCH
3125 3150 3175						0.001 UNCH .0006 0.001 UNCH .0004 0.001 UNCH .0002					11 UNCH 12 UNCH 9 UNCH
3200 3225 3250						0.001 UNCH .0002 0.001 UNCH .0001 0.001 UNCH .0000					81 UNCH 7 UNCH 1 UNCH
3300 3350						0.001 UNCH .0000 0.001 UNCH .0000					9 UNCH 5 UNCH
3400 3500 3600						0.001 UNCH .0000 0.001 UNCH 0.001 UNCH					27 UNCH 90 UNCH 47 UNCH
3800 4000 4500						0.001 UNCH 0.001 UNCH 0.001 UNCH					19 UNCH 69 UNCH 19 UNCH
5000						0.001 UNCH					128 UNCH

## **METALS OPTIONS PRODUCTS**

Side 28







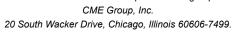
20 South Wacker Drive, Chicago, Illinois 60606-7499.

Customer Service:	(312) 930-1000
PRELIMII	NARY

PG6	4 BULLE	TIN # 9@			METALS OPTION P	RODUCTS				Fri.	Jan 13,	2023	PG64
1 00	GLOBEX	OPEN OUTCRY	GLOBEX	OPEN OUTCRY	OPEN OUTCRY	SETT.PRICE		EXER	OPEN OUTCRY	GLOBEX®		(	OPEN
	OPEN	OPEN RANGE	HIGH/LOW	HIGH/LOW	CLOSE RANGE	& PT.CHGE.	DELTA	CISES	VOLUME	VOLUME	VOLUME	INTE	REST
SO C FEB2	3	COMEX SILVER	OPTIONS			0.001						45	
5500 6000 6500	)					0.001	UNCH UNCH					45 7 2	UNCH UNCH UNCH
7000 TOTA	)						UNCH			 3477		20 13789 +	UNCH 927
MAR2 1250	:3					11.872 + 0	.368 .0000					1	UNCH
1350 1375	)					10.872 + 0	0.368 .9994 0.368 .9994					1 2	UNCH
1475 1500	; )					9.372 + 0	0.368 .9986 0.368 .9980 0.368 .9979					4 4 2	UNCH
1525 1550 1575	)					8.872 + 0	0.368 .9979 0.368 .9972 0.368 .9971					2 2 4	UNCH UNCH UNCH
1600 1625	)		/7.966A 	/7.966A 		8.372 + 0 8.122 + 0	0.368 .9964 0.368 .9963					4 2	UNCH UNCH
1650 1675 1700						7.622 + 0	0.368 .9955 0.368 .9948 0.368 .9940					4 14 21	UNCH UNCH UNCH
1725 1750	·					7.122 + 0	0.368 .9931 0.367 .9922					5 5	UNCH
1775 1800	)					6.374 + 0	0.367 .9913 0.367 .9897					4 113	UNCH
1825 1850 1875	)					5.877 + 0	0.366 .9880 0.366 .9863 0.366 .9838					1 19 178	UNCH UNCH UNCH
1900 1925	)		/4.983A /4.749A	/4.983A /4.749A		5.383 + 0 5.136 + 0	0.364 .9812 0.362 .9779					147 45	UNCH UNCH
1950 1975 2000		 3.805	  4.059B/3.684A	 4.059B/3.684A		4.647 + 0	0.361 .9738 0.359 .9689 0.356 .9633			 11		293 115 516	UNCH UNCH UNCH
2025 2040	 )		4.042B/3.450A	4.042B/3.450A		4.163 + 0	0.353 .9562 0.351 .9515					2 4	UNCH
2050 2075		3.849	3.981B/3.216A 3.744B/2.988A 3.510B/2.768A	3.981B/3.216A 3.744B/2.988A 3.510B/2.768A		3.688 + 0	0.350 .9483 0.347 .9379			2  2		210 171	UNCH
2100 2115 2125	·	3.464  	/2.671A 3.279B/2.547A	/2.671A 3.279B/2.547A		3.316 + 0	0.342 .9261 0.339 .9181 0.337 .9119					1443 1 24	UNCH UNCH UNCH
2130 2140	)		/2.543A /2.459A	/2.543A /2.459A		3.179 + 0 3.089 + 0	0.336 .9090 0.334 .9022					1 1	UNCH UNCH
2150 2155 2160			3.052B/2.339A 2.743B/2.340A 2.742B/2.299A	3.052B/2.339A 2.743B/2.340A 2.742B/2.299A		2.955 + 0	0.332 .8954 0.331 .8919 0.330 .8880					53 4 2	UNCH UNCH UNCH
2165 2175			2.768B/2.259A 2.830B/2.135A	2.768B/2.259A 2.830B/2.135A		2.867 + 0 2.779 + 0	0.329 .8841 0.326 .8762					1 354	UNCH UNCH
2180 2185			2.743B/2.139A 2.698B/2.100A 2.614B/1.939A	2.743B/2.139A 2.698B/2.100A 2.614B/1.939A		2.693 + 0	0.325 .8719 0.323 .8679 0.319 .8542					7 7 780	UNCH UNCH UNCH
2200 2215 2225			2.439B/1.834A 2.405B/1.755A	2.439B/1.834A 2.405B/1.755A		2.440 + 0	0.314 .8396 0.310 .8294					780 2 29	UNCH
2230 2250	)		2.315B/1.727A 2.203B/1.583A	2.315B/1.727A 2.203B/1.583A		2.157 + 0	0.308 .8237 0.299 .8014					2 515	UNCH
2260 2265 2275			2.075B/1.521A 2.073B/1.481A 2.009B/1.419A	2.075B/1.521A 2.073B/1.481A 2.009B/1.419A		2.041 + 0	0.294 .7893 0.292 .7830 0.288 .7703					2 2 682	UNCH UNCH UNCH
2280 2285	)		1.970B/1.387A 1.932B/1.356A	1.970B/1.387A 1.932B/1.356A		1.928 + 0 1.892 + 0	).284 .7636 ).283 .7570					4 3	UNCH UNCH
2290 2295		 1.490	1.895B/1.326A 1.859B/1.297A 1.825B/1.267A	1.895B/1.326A 1.859B/1.297A 1.825B/1.267A		1.819 + 0	0.280 .7503 0.277 .7434 0.275 .7365			 10		5 2 442	UNCH UNCH UNCH
2300 2305 2310			1.787B/1.239A 1.752B/1.211A	1.787B/1.239A 1.752B/1.211A		1.748 + 0	0.271 .7293 0.270 .7222					2 10	UNCH
2315 2320	; )		1.717B/1.183A 1.683B/1.155A	1.717B/1.183A 1.683B/1.155A		1.645 + 0	0.266 .7150 0.263 .7076					30 5	UNCH
2325 2330 2340	)		1.649B/1.131A 1.616B/1.103A 1.551B/1.051A 1.519B/1.025A	1.649B/1.131A 1.616B/1.103A 1.551B/1.051A		1.579 + 0	0.261 .7002 0.258 .6927 0.253 .6773					137 16 2	UNCH UNCH UNCH
2345 2350			1.48/B/1.002A	1.519B/1.025A 1.487B/1.002A		1.482 + 0 1.451 + 0	0.250 .6696 0.247 .6617			1		1 179 +	UNCH 1
2355	)		1.456B/0.976A 1.424B/0.953A 1.394B/0.929A	1.456B/0.976A 1.424B/0.953A 1.394B/0.929A		1.390 + 0	0.244 .6538 0.242 .6460 0.239 .6380					10 5 26	UNCH UNCH UNCH
2365 2370 2375	)	0.940	1.364B/0.906A 1.334B/0.882A	1.364B/0.906A 1.334B/0.882A		1.331 + 0	0.236 .6300 0.232 .6219			1 5		67 52 -	UNCH 1
2380 2385	)		1.305B/0.861A 1.276B/0.840A	1.305B/0.861A 1.276B/0.840A		1.245 + 0	.230 .6138 .227 .6056					22 20	UNCH
2390 2395 2400		0.900  0.915	1.248B/0.819A 1.221B/0.799A 1.192B/0.778A	1.248B/0.819A 1.221B/0.799A 1.192B/0.778A		1.190 + 0	0.224 .5974 0.221 .5892 0.218 .5810			6  48		48 - 24 1170 -	UNCH 18
2405 2410	)		1.165B/0.758A 1.139B/0.738A	1.165B/0.758A 1.139B/0.738A		1.137 + 0 1.111 + 0	.215 .5728 .211 .5645					28 54	UNCH
2415 2420 2425	)	0.994 	1.113B/0.720A 1.087B/0.701A 1.062B/0.682A	1.113B/0.720A 1.087B/0.701A 1.062B/0.682A		1.060 + 0	0.208 .5563 0.205 .5480 0.202 .5398			2 3 41		10 - 66 + 281 +	1 24
2430 2435	)		1.038B/0.665A 1.014B/0.647A	1.038B/0.665A 1.014B/0.647A		1.012 + 0 0.988	0.199 .5316 NEW .5233			1		188 1 +	UNCH 1
2440 2445 2450		 0.625	0.990B/0.630A 0.966B/0.614A 0.944B/0.598A	0.990B/0.630A 0.966B/0.614A 0.944B/0.598A		0.942 + 0	0.193 .5151 0.190 .5069 0.186 .4988			6 1 47		11 - 3 337 +	6 UNCH 23
2455 2460	0.920 0.630	0.920 0.630	0.921B/0.582A 0.899B/0.566A	0.921B/0.582A 0.899B/0.566A		0.897 + 0 0.876 + 0	.183 .4906 .181 .4826			1		27 + 10	1 UNCH
2465 2470 2475	)		0.877B/0.551A 0.856B/0.537A 0.835B/0.522A	0.877B/0.551A 0.856B/0.537A 0.835B/0.522A		0.834 + 0	0.178 .4745 0.175 .4665 0.171 .4585			13		8 23 207 -	UNCH UNCH 1
2480 2485	0.597	0.597	0.815B/0.508A 0.795B/0.495A	0.815B/0.508A 0.795B/0.495A		0.793 + 0 0.774 + 0	).168 .4505 ).165 .4427			6 2		3 29 +	UNCH 1
2490 2500 2505	0.515	0.515	0.776B/0.481A 0.738B/0.455A 0.719B/0.443A	0.776B/0.481A 0.738B/0.455A 0.719B/0.443A		0.718 + 0	0.163 .4349 0.156 .4195 0.153 .4118			574 		12 2326 40	UNCH UNCH UNCH
2510 2515	)		0.701B/0.429A 0.684B/0.418A	0.701B/0.429A 0.684B/0.418A		0.682 + 0 0.665 + 0	0.150 .4042 0.147 .3967					1 7	UNCH
2520 2525			0.667B/0.406A 0.650B/0.395A 0.633B/0.384A	0.667B/0.406A 0.650B/0.395A 0.633B/0.384A		0.631 + 0	0.144 .3893 0.140 .3818 0.137 .3745			175		12 191 + 24	UNCH 113 UNCH
2530 2535 2540	0.550	0.550	0.617B/0.374A 0.601B/0.364A	0.617B/0.374A 0.601B/0.364A		0.600 + 0	0.135 .3675 0.132 .3602			3		6 + 7	3 UNCH
2545 2550	0.406	0.406	0.586B/0.354A 0.571B/0.344A	0.586B/0.354A 0.571B/0.344A		0.569 + 0 0.554 + 0	0.129 .3532 0.126 .3462			133		3 775 +	UNCH 50
2555 2560 2565	)		0.558B/0.335A 0.543B/0.326A 0.528B/0.317A	0.558B/0.335A 0.543B/0.326A 0.528B/0.317A		0.526 + 0	0.123 .3393 0.120 .3326 0.117 .3258					12 4 25	UNCH UNCH UNCH
2570 2575	0.500	0.500	0.514B/0.309A 0.501B/0.300A	0.514B/0.309A 0.501B/0.300A		0.499 + 0 0.486 + 0	0.115 .3192 0.112 .3127			1 4		8 + 111 +	1 3
2580 2585	0.361	0.361	0.488B/0.291A 0.475B/0.283A 0.462B/0.276A	0.488B/0.291A 0.475B/0.283A 0.462B/0.276A		0.461 + 0	0.109 .3062 0.107 .3000 0.104 .2938			2		23 18 + 8	UNCH 2 UNCH
2590 2595 2600		0.322	0.450B/0.269A 0.439B/0.261A	0.462B/0.276A 0.450B/0.269A 0.439B/0.261A		0.437 + 0 0.425 + 0	0.102 .2876 0.099 .2814			1 309		6 + 839 +	1 92
2605 2610	; )		0.428B/*0.254A 0.416B/*0.247A	0.428B/*0.254A 0.416B/*0.247A		$ \begin{array}{r} 0.414 + 0 \\ 0.403 + 0 \end{array} $	0.096 .2755 0.094 .2696			1		5 18 +	UNCH 1
2620 2625 2650		 0.302	0.394B/*0.234A 0.384B/0.228A 0.335B/0.200A	0.394B/*0.234A 0.384B/0.228A 0.335B/0.200A		0.372 + 0 $0.325 + 0$	0.089 .2581 0.087 .2526 0.076 .2260			36 261		40 + 445 +	UNCH 2 133
2675 2700	0.220 0.166	0.220 0.166	0.291B/0.174A 0.255B/0.154A	0.291B/0.174A 0.255B/0.154A		0.284 + 0 0.248 + 0	0.066 .2019 0.057 .1799			153 65		179 + 604 +	48 39
2725 2750 2775	)		0.223B/*0.135A 0.194B/*0.119A 0.171B/*0.104A	0.223B/*0.135A 0.194B/*0.119A 0.171B/*0.104A		0.190 + 0	0.049 .1603 0.043 .1426 0.037 .1271			16 20 6		76 + 751 + 64 +	6 4 4
2800 2825	0.113 0.108	0.113 0.108	0.153/*0.093A 0.131B/*0.084A	0.153/*0.093A 0.131B/*0.084A		0.147 + 0 0.129 + 0	0.032 .1132 0.028 .1006			65 43		1099 - 131 +	10 38
2850 2875	) ;	 0.068	0.115B/*0.075A 0.102B/*0.067A 0.090B/*0.060A	0.115B/*0.075A 0.102B/*0.067A 0.090B/*0.060A		$ \begin{array}{r} 0.114 + 0 \\ 0.101 + 0 \end{array} $	0.024 .0898 0.021 .0802 0.018 .0713			1 9 21		335 36 - 101 -	UNCH 9 4
2900 2925 2950	0.076	0.068	0.079B/*0.054A 0.070B/*0.049A	0.079B/*0.054A 0.070B/*0.049A		0.079 + 0 0.070 + 0	0.018 .0713 0.016 .0637 0.013 .0569			7 2		113 245	UNCH UNCH
2975 3000		0.045	0.062B/*0.044A 0.059/*0.040	0.062B/*0.044A 0.059/*0.040		0.062 + 0	0.011 .0507 0.011 .0458			229		13 1882 -	UNCH 66

## **METALS OPTIONS PRODUCTS**

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





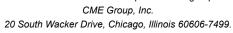
PG6	4 BULLET	ΓIN # 9@		M	ETALS OPTION P	RODUCTS			Fri.	Jan 13,	2023	PG64
	GLOBEX	OPEN OUTCRY	GLOBEX	OPEN OUTCRY	OPEN OUTCRY	SETT.PRICE	EXER	OPEN OUTCRY	GLOBEX®	PNT		OPEN
50.0	OPEN	OPEN RANGE	HIGH/LOW	HIGH/LOW	CLOSE RANGE	& PT.CHGE. DELTA	CISES	VOLUME	VOLUME	VOLUME	INIE	KESI
SO C MAR2 3025	3	COMEX SILVER O	0.049B/*0.036A	0.049B/*0.036A		0.050 + 0.009 .0411			2		6 +	1
3050 3100	)		0.044B/*0.033A 0.035B/*0.028A	0.044B/*0.033A 0.035B/*0.028A		0.045 + 0.008 .0371 0.036 + 0.006 .0299			1 4		93 - 62 +	1 1
3125 3150 3175	)		0.031B/*0.026A 0.028B/*0.024A 0.025B/	0.031B/*0.026A 0.028B/*0.024A 0.025B/		0.033 + 0.006 .0273 0.030 + 0.005 .0248 0.027 + 0.004 .0224					12 14 4	UNCH UNCH UNCH
3200 3225	0.027	0.027	0.027/0.027 0.021B/	0.027/0.027 0.021B/		0.025 + 0.004 .0206 0.023 + 0.004 .0189			1		40 + 1	1 UNCH
3250 3275			0.019B/	0.019B/		0.021 + 0.003 .0173 0.020 + 0.003 .0163					227	UNCH
3300 3325 3350		0.016 	0.019/*0.015 	0.019/*0.015 		0.018 + 0.002 .0147 0.017 + 0.003 .0138 0.016 + 0.002 .0129			30 		46 + 2 1001	25 UNCH UNCH
3375 3400	0.011	0.011	0.011/*0.011	0.011/*0.011		0.015 + 0.002 .0120 0.014 + 0.002 .0112			1		3 226 +	UNCH 1
3425 3450 3475	0.010	0.010	0.010/*0.010	0.010/*0.010		$\begin{array}{cccccccccccccccccccccccccccccccccccc$			1		270 + 11	UNCH 1 UNCH
3500 3525	)					0.011 + 0.001 .0086 0.010 + 0.001 .0078					55 100	UNCH
3550 3575 3600						$ \begin{array}{r} 0.010 + 0.001 .0077 \\ 0.009 + 0.001 .0070 \\ 0.009 + 0.001 .0069 \end{array} $					8 4 141	UNCH UNCH UNCH
3625 3650						0.008 UNCH .0062 0.008 + 0.001 .0061					8 10	UNCH
3675 3700	)					0.008 + 0.001 .0060 0.007 UNCH .0053 0.007 UNCH .0052					10 31 3	UNCH UNCH UNCH
3725 4000 4500	)					0.005 UNCH .0035 0.003 - 0.001 .0019					508 74	UNCH
5000 6000	)					0.002 - 0.001 .0011 0.002 - 0.001 .0009					796 134	UNCH
7500 1000	00					0.002 - 0.001 .0008 0.002 - 0.001 .0006			 2387	 0	206 205 24289 +	UNCH UNCH 504
TOTA	3					11 011 . 0 20=						
1275 1350 1525	)					11.811 + 0.367 .9977 11.061 + 0.367 .9971 9.311 + 0.367 .9940					4 1 2	UNCH UNCH UNCH
1550 1575						9.061 + 0.367 .9934 8.811 + 0.367 .9922					4 6	UNCH UNCH
1625 1650 1675	·					8.311 + 0.367 .9904 8.061 + 0.367 .9887 7.812 + 0.367 .9874					4 2 2	UNCH UNCH UNCH
1725 1750	·					7.316 + 0.366 .9834 7.069 + 0.366 .9811					2 2 2	UNCH UNCH
1775 1800	)					6.822 + 0.364 .9786 6.577 + 0.364 .9753 6.332 + 0.362 .9722					1 1 2	UNCH UNCH UNCH
1825 1850 1950	)		 5.184B/4.420A	 5.184B/4.420A		6.088 + 0.360 .9682 5.127 + 0.353 .9467					6 1	UNCH
2000			4.713B/3.962A 4.481B/3.740A	4.713B/3.962A 4.481B/3.740A		4.658 + 0.348 .9305 4.427 + 0.345 .9209 4.199 + 0.342 .9097					66 59 5	UNCH
2050 2075 2100			4.251B/3.520A 4.025B/3.304A 3.803B/3.099A	4.251B/3.520A 4.025B/3.304A 3.803B/3.099A		4.199 + 0.342 .9097 3.975 + 0.338 .8972 3.755 + 0.335 .8835					7 105	UNCH UNCH UNCH
2125 2150	3.547	3.547	3.586B/2.894A 3.373B/2.699A	3.586B/2.894A 3.373B/2.699A		3.539 + 0.330 .8679 3.328 + 0.324 .8507			2		2 - 3	1 UNCH
2175 2200 2250	)		3.166B/2.509A 2.966B/2.329A 2.583B/1.994A	3.166B/2.509A 2.966B/2.329A 2.583B/1.994A		3.122 + 0.318 .8318 2.923 + 0.312 .8112 2.544 + 0.296 .7648					5 27 64	UNCH UNCH UNCH
2265 2275			2.425B/1.893A 2.403B/1.832A	2.425B/1.893A 2.403B/1.832A		2.436 + 0.291 .7497 2.365 + 0.287 .7392					1 10	UNCH
2280 2285 2295	1.773	1.803 1.773	2.318B/1.802A 2.283B/1.773 2.213B/1.715A	2.318B/1.802A 2.283B/1.773 2.213B/1.715A		2.331 NEW .7339 2.296 NEW .7286 2.228 + 0.279 .7177			2 2		2 + 2 + 3	2 2 UNCH
2300 2310	)		2.231B/1.686A 2.112B/1.630A	2.231B/1.686A 2.112B/1.630A		2.195 + 0.278 .7123 2.129 + 0.274 .7012					11 2 5	UNCH UNCH
2320 2325 2345			2.047B/1.576A 2.066B/1.549A 1.944B/1.446A	2.047B/1.576A 2.066B/1.549A 1.944B/1.446A		2.064 + 0.269 .6899 2.032 + 0.267 .6841 1.909 + 0.259 .6609					5 5 2	UNCH UNCH UNCH
2350	)		1.914B/1.421A 1.884B/1.396A	1.914B/1.421A 1.884B/1.396A		1.879 + 0.257 .6551 1.849 + 0.254 .6491					138 2	UNCH
2370			1.793B/1.325A 1.766B/1.304A 1.736B/1.280A	1.793B/1.325A 1.766B/1.304A 1.736B/1.280A		1.762 + 0.247 .6312 1.734 + 0.245 .6252 1.706 + 0.243 .6192					131 18	UNCH UNCH UNCH
2380 2395 2400		1.234	1.652B/1.214A 1.626B/1.193A	1.652B/1.214A 1.626B/1.193A		1.624 + 0.236 .6010 1.597 + 0.233 .5949					2 2 211 -	UNCH 1
2420 2425			1.519B/1.110A 1.494B/1.090A 1.468B/1.070A	1.519B/1.110A 1.494B/1.090A		1.495 + 0.224 .5704 1.470 + 0.221 .5643 1.446 + 0.219 .5582					133 58 1	UNCH UNCH UNCH
2430 2440 2450	)		1.420B/1.070A 1.420B/1.033A 1.376B/0.995A	1.468B/1.070A 1.420B/1.033A 1.376B/0.995A		1.398 + 0.214 .5460 1.351 + 0.208 .5338					10 49	UNCH
2465 2475			1.307B/0.942A 1.263B/0.909A	1.307B/0.942A 1.263B/0.909A		1.284 + 0.201 .5157 1.241 + 0.197 .5037 1.179 + 0.190 .4859					33 61	UNCH
2490 2500 2525	1.040	1.040	1.199B/0.859A 1.158B/0.828A 1.061B/0.755A	1.199B/0.859A 1.158B/0.828A 1.061B/0.755A		1.139 + 0.185 .4742 1.044 + 0.172 .4454			 6		10 112 + 39	UNCH 4 UNCH
2535 2550	·		1.025B/0.728A 0.973B/0.689A	1.025B/0.728A 0.973B/0.689A		1.008 + 0.168 .4341 0.956 + 0.160 .4175			2		5 11 +	UNCH 1
2575 2585 2590			0.890B/0.629A 0.859B/0.606A 0.844B/0.593A	0.890B/0.629A 0.859B/0.606A 0.844B/0.593A		0.876 + 0.149 .3907 0.845 + 0.144 .3802 0.830 + 0.142 .3751					5 1	UNCH UNCH UNCH
2595 2600	0.666	0.666	0.829B/0.583A 0.815B/0.572A	0.829B/0.583A 0.815B/0.572A		0.816 + 0.141 .3700 0.801 + 0.138 .3649			126		732 -	UNCH 94
2635 2640 2650	0.570	0.570	0.719B/0.504A 0.707B/0.495A 0.682B/0.478A	0.719B/0.504A 0.707B/0.495A 0.682B/0.478A		0.708 + 0.124 .3310 0.696 + 0.122 .3264 0.671 + 0.118 .3171			6 15		4 8 + 48 +	UNCH 6 2
2675 2700	·		0.624B/0.437A 0.573B/0.400A	0.624B/0.437A 0.573B/0.400A		0.615 + 0.109 .2953 0.563 + 0.100 .2746			2		63 580	UNCH UNCH
2725 2750 2775	)		0.524B/0.367A 0.480B/0.337A 0.441B/0.309A	0.524B/0.367A 0.480B/0.337A 0.441B/0.309A		0.516 + 0.093 .2553 0.473 + 0.085 .2371 0.434 + 0.078 .2202					12 9 41	UNCH UNCH UNCH
2800 2825	0.370	0.370	0.404B/0.284A 0.371B/0.262A	0.404B/0.284A 0.371B/0.262A		0.398 + 0.072 .2043 0.366 + 0.066 .1898			26 		420 14	UNCH UNCH
2850 2875 2900			0.341B/0.241A 0.314B/0.223A 0.289B/0.205A	0.341B/0.241A 0.314B/0.223A 0.289B/0.205A		0.336 + 0.061 .1760 0.309 + 0.056 .1633 0.284 + 0.051 .1515			1 		25 29 43	UNCH UNCH UNCH
2925 2950			0.266B/0.190A 0.245B/0.176A	0.266B/0.190A 0.245B/0.176A		0.262 + 0.047 .1407 0.241 + 0.043 .1305					62 10	UNCH UNCH
2975 3000	0.196	0.196	0.226B/0.163A 0.208B/0.151A 0.192B/*0.140A	0.226B/0.163A 0.208B/0.151A 0.192B/*0.140A		0.222 + 0.039 .1211 0.205 + 0.036 .1125 0.190 + 0.033 .1047			18		3 4439 + 38	UNCH 1 UNCH
3025 3050 3075	)		0.177B/*0.130A 0.164B/*0.121A	0.177B/*0.130A 0.164B/*0.121A		0.176 + 0.031 .0975 0.163 + 0.028 .0907			6		9 - 4	3 UNCH
3100 3125	0.145	0.145	0.152B/*0.113A 0.140B/*0.106A 0.130B/*0.098A	0.152B/*0.113A 0.140B/*0.106A 0.130B/*0.098A		0.151 + 0.026 .0844 0.140 + 0.024 .0785			3 		34 + 2 8	2 UNCH UNCH
3150 3175 3200			0.121B/*0.092A 0.112B/*0.086A	0.121B/*0.092A 0.112B/*0.086A		0.121 + 0.020 .0683 0.112 + 0.018 .0635					1 31	UNCH UNCH
3225 3250			0.104B/*0.080A 0.096B/*0.075A	0.104B/*0.080A 0.096B/*0.075A		0.105 + 0.017 .0596 0.098 + 0.016 .0557			  1		10 12	UNCH UNCH
3300 3325 3350	; )		0.083B/*0.066A 0.077B/*0.062A 0.072B/*0.059A	0.083B/*0.066A 0.077B/*0.062A 0.072B/*0.059A		0.085 + 0.013 .0486 0.080 + 0.012 .0457 0.075 + 0.011 .0429			1 		9 5 11	UNCH UNCH UNCH
3400 3425	0.064	0.064	0.064/*0.052A 0.058B/*0.049A	0.064/*0.052A 0.058B/*0.049A		0.066 + 0.010 .0378 0.062 + 0.009 .0355			2		14 3	UNCH UNCH
3450 3500 4000	)		0.054B/*0.046A 0.047B/*0.041A	0.054B/*0.046A 0.047B/*0.041A 		0.058 + 0.008 .0333 0.051 + 0.006 .0293 0.019 + 0.001 .0106			32		3 4140 - 666	UNCH 22 UNCH
5000 TOTA	)					0.007 + 0.001 .0034			254	0	109 13114 -	UNCH 101
MAY2 1275						11.811 + 0.367 .9965					4	UNCH
1300 1325	)					11.561 + 0.367 .9960 11.311 + 0.367 .9955					1 1	UNCH

## **METALS OPTIONS PRODUCTS**

Side 30





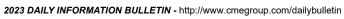




PG64	4 BULLET	IN # 9@		Λ.	METALS OPTION P	RODUCTS			Fri	Jan 13,	2023	PG64
1 00	GLOBEX	OPEN OUTCRY	GLOBEX	OPEN OUTCRY	OPEN OUTCRY	SETT.PRICE	EXER	OPEN OUTCRY	GLOBEX® VOLUME	PNT		OPEN EREST
SO CA	OPEN	OPEN RANGE  COMEX SILVER O	HIGH/LOW PTIONS	HIGH/LOW	CLOSE RANGE	& PT.CHGE. DELTA	CISES	VOLUME	VOLUME	VOLUME	INIL	.KL31
MAY23 1350						11.061 + 0.367 .9946 10.811 + 0.367 .9941					1 2	UNCH
1375 1500 1525						9.561 + 0.367 .9897 9.311 + 0.367 .9886					2 10	UNCH UNCH UNCH
1550 1575 1600					 	9.061 + 0.367 .9872 8.811 + 0.366 .9857 8.562 + 0.366 .9841					4 4 6	UNCH UNCH UNCH
1675 1700						7.819 + 0.364 .9781 7.573 + 0.363 .9755					2	UNCH UNCH
1750 1800 1825			6.045B/5.644A	 6.045B/5.644A		6.598 + 0.359 .9617 6.357 + 0.357 .9573					1 6 29	UNCH UNCH UNCH
1850 1900 1950			6.110B/5.407A 5.703B/4.945A 5.237B/4.490A	6.110B/5.407A 5.703B/4.945A 5.237B/4.490A		6.118 + 0.356 .9520 5.645 + 0.352 .9398 5.180 + 0.348 .9243					2 28 1	UNCH UNCH UNCH
2000 2050	4.610	4.610 	4.780B/4.050A 4.335B/3.630A 4.121B/3.424A	4.780B/4.050A 4.335B/3.630A 4.121B/3.424A		4.726 + 0.343 .9051 4.286 + 0.337 .8815 4.071 + 0.333 .8680			1 		162 - 4 2	1 UNCH UNCH
2075 2100 2125			3.909B/3.229A 3.701B/3.034A	3.909B/3.229A 3.701B/3.034A		3.861 + 0.329 .8532 3.655 + 0.323 .8372					20 1	UNCH UNCH
2150 2175 2200			3.501B/2.851A 3.304B/2.674A 3.113B/2.499A	3.501B/2.851A 3.304B/2.674A 3.113B/2.499A		3.455 + 0.318 .8198 3.260 + 0.312 .8013 3.072 + 0.306 .7813					76 2 252	UNCH UNCH UNCH
2225 2250 2275			2.929B/2.339A 2.752B/2.181A 2.582B/2.033A	2.929B/2.339A 2.752B/2.181A 2.582B/2.033A		2.890 + 0.299 .7604 2.714 + 0.291 .7381 2.545 + 0.282 .7150			2 		27 102 5	UNCH UNCH UNCH
2300 2350	1.685	1.685	2.419B/1.893A 2.115B/1.638A	2.419B/1.893A 2.115B/1.638A		2.384 + 0.274 .6911 2.084 + 0.255 .6410			2		152 25	UNCH UNCH
2375 2400 2425	1.480	1.480	1.975B/1.522A 1.841B/1.413A 1.716B/1.311A	1.975B/1.522A 1.841B/1.413A 1.716B/1.311A		1.945 + 0.245 .6152 1.814 + 0.234 .5893 1.691 + 0.224 .5632			2		12 254 + 42	UNCH 1 UNCH
2450 2475 2500	1.588  1.120	1.588  1.120	1.598B/1.216A 1.493B/1.128A 1.390B/1.047A	1.598B/1.216A 1.493B/1.128A 1.390B/1.047A		1.575 + 0.213 .5373 1.467 + 0.203 .5117 1.367 + 0.193 .4867			7  12		207 80 1695 +	UNCH UNCH 5
2525 2550			1.294B/0.972A 1.205B/0.903A	1.294B/0.972A 1.205B/0.903A		1.273 + 0.183 .4622 1.185 + 0.172 .4384					10	UNCH
2575 2600 2625			1.121B/0.838A 1.044B/0.779A 0.972B/0.724A	1.121B/0.838A 1.044B/0.779A 0.972B/0.724A		1.104 + 0.163 .4155 1.028 + 0.153 .3933 0.958 + 0.145 .3721					97 8	UNCH UNCH UNCH
2650 2675 2700			0.905B/0.672A 0.843B/0.626A 0.786B/0.583A	0.905B/0.672A 0.843B/0.626A 0.786B/0.583A		0.892 + 0.136 .3517 0.831 + 0.128 .3322 0.775 + 0.121 .3138			 10		137 5 717	UNCH UNCH UNCH
2725 2750	0.675 0.560	0.675 0.560	0.733B/0.544A 0.683B/0.507A	0.733B/0.544A 0.683B/0.507A		0.723 NEW .2962 0.674 + 0.107 .2794			2 17		2 + 227 -	2 17
2800 2825 2850	0.588 0.439	0.588 0.439 	0.595B/0.443A 0.556B/0.415A 0.520B/0.388A	0.595B/0.443A 0.556B/0.415A 0.520B/0.388A		0.588 + 0.095 .2487 0.550 + 0.089 .2347 0.514 + 0.084 .2213			2 2 		249 + 36 - 17	1 1 UNCH
2900 2925 2950	0.450	0.450 	0.455B/0.341A 0.426B/0.320A 0.399B/0.301A	0.455B/0.341A 0.426B/0.320A 0.399B/0.301A		0.450 + 0.073 .1969 0.422 + 0.069 .1859 0.395 + 0.064 .1753			9 		43 + 3 15	1 UNCH UNCH
2975 3000			0.374B/0.283A 0.351B/0.266A	0.374B/0.283A 0.351B/0.266A		0.371 + 0.061 .1656 0.348 + 0.057 .1563					6 479	UNCH UNCH
3025 3050 3075			0.329B/0.250A 0.309B/0.236A 0.291B/0.222A	0.329B/0.250A 0.309B/0.236A 0.291B/0.222A		0.327 + 0.054 .1476 0.307 + 0.050 .1394 0.289 + 0.047 .1318					31 1 101	UNCH UNCH UNCH
3100 3125 3150			0.273B/0.210A 0.257B/0.198A 0.242B/0.186A	0.273B/0.210A 0.257B/0.198A 0.242B/0.186A		0.272 + 0.045 .1246 0.256 + 0.042 .1178 0.241 + 0.039 .1113					19 1 11	UNCH UNCH UNCH
3200 3225			0.214B/0.167A 0.202B/0.158A	0.214B/0.167A 0.202B/0.158A		0.214 + 0.034 .0996 0.202 + 0.032 .0944					3 2	UNCH
3250 3275 3300			0.191B/0.149A 0.180B/0.142A 0.170B/*0.134A	0.191B/0.149A 0.180B/0.142A 0.170B/*0.134A		0.190 + 0.030 .0891 0.180 + 0.029 .0846 0.170 + 0.027 .0802			<u>-</u> 1		5 + 2 422 +	UNCH 1
3325 3350 3375	0.143	0.143	0.160B/*0.127A 0.152B/*0.121A 0.143B/*0.115A	0.160B/*0.127A 0.152B/*0.121A 0.143B/*0.115A		0.161 + 0.025 .0761 0.152 + 0.023 .0721 0.144 + 0.022 .0684			9		5 6 - 3	UNCH 2 UNCH
3400 3425			0.136B/*0.109A 0.128B/*0.104A	0.136B/*0.109A 0.128B/*0.104A		0.136 + 0.020 .0648 0.129 + 0.019 .0616					101	UNCH UNCH
3500 4000 5000			0.109B/*0.090A 0.041B/	0.109B/*0.090A 0.041B/		0.111 + 0.017 .0532 0.045 + 0.006 .0217 0.014 + 0.002 .0064			20		472 225 - 60	UNCH 16 UNCH
6000 9000 1000	0.004	 0.004	 0.004/0.004	 0.004/0.004	 	0.008 + 0.001 .0033 0.005 UNCH .0016 0.005 UNCH .0015			 20		21 2 170 +	UNCH UNCH 20
TOTAL	L.								119	0	6950 -	5
1775 2050			6.774B/6.353A 4.615B/3.925A	6.774B/6.353A 4.615B/3.925A		7.068 + 0.358 .9541 4.571 + 0.331 .8645					2	UNCH UNCH
2075 2100 2275			4.407B/3.729A 4.202B/3.539A 2.918B/2.372A	4.407B/3.729A 4.202B/3.539A 2.918B/2.372A		4.363 + 0.327 .8514 4.160 + 0.324 .8373 2.883 + 0.281 .7125					2 7 16	UNCH UNCH UNCH
2300 2400 2425	2.071	2.071	2.759B/2.232A 2.186B/1.745A 2.059B/1.640A	2.759B/2.232A 2.186B/1.745A 2.059B/1.640A		2.725 + 0.273 .6916 2.160 + 0.239 .6040 2.036 + 0.231 .5817			3		1 3 + 1	UNCH 3 UNCH
2450 2475			1.939B/1.540A 1.827B/1.447A	1.939B/1.540A 1.827B/1.447A		1.918 + 0.222 .5593 1.807 + 0.213 .5372					7 55	UNCH UNCH
2500 2550 2575			1.719B/1.360A 1.530B/1.200A 1.442B/1.129A	1.719B/1.360A 1.530B/1.200A 1.442B/1.129A		1.702 + 0.205 .5154 1.511 + 0.188 .4731 1.424 + 0.180 .4527					623 30 5	UNCH UNCH UNCH
2600 2625 2650	1.164	1.164	1.359B/1.063A 1.281B/1.001A 1.208B/0.942A	1.359B/1.063A 1.281B/1.001A 1.208B/0.942A		1.342 + 0.172 .4329 1.265 + 0.164 .4138 1.194 + 0.157 .3954			7 		190 + 1 211	7 UNCH UNCH
2700 2750	1.027	1.027	1.076B/0.838A 0.959B/0.747A	1.076B/0.838A 0.959B/0.747A		1.063 + 0.143 .3605 0.949 + 0.130 .3284					6 + 184	5 UNCH
2775 2800 2825			0.907B/0.706A 0.857B/0.668A 0.811B/0.632A	0.907B/0.706A 0.857B/0.668A 0.811B/0.632A		0.848 + 0.118 .2990 0.802 + 0.112 .2852					22 121 3	UNCH UNCH UNCH
2875 2900 2925	0.595 0.564	0.595 0.564	0.726B/0.567A 0.687B/0.538A 0.651B/0.510A	0.726B/0.567A 0.687B/0.538A 0.651B/0.510A	 	0.719 + 0.101 .2597 0.681 + 0.096 .2477 0.645 + 0.091 .2363			17 5		5 527 + 5 +	UNCH 17 4
2950 2975	0.509	0.509 0.493	0.617B/0.484A 0.586B/0.460A 0.556B/0.437A	0.617B/0.484A 0.586B/0.460A 0.556B/0.437A		0.612 + 0.086 .2256 0.580 NEW .2152 0.551 + 0.078 .2055			2 15		2 2 +	UNCH 2 11
3000 3025 3075			0.527B/0.416A 0.476B/0.376A	0.527B/0.416A 0.476B/0.376A		0.523 + 0.074 .1962 0.473 + 0.068 .1791					23 - 2 8	UNCH UNCH
3100 3175 3200			0.452B/0.358A 0.389B/0.310A 0.371B/0.296A	0.452B/0.358A 0.389B/0.310A 0.371B/0.296A		0.450 + 0.065 .1712 0.388 + 0.056 .1495 0.370 + 0.054 .1430					20 2 2	UNCH UNCH UNCH
3275 3300			0.321B/0.258A 0.306B/*0.246A 0.292B/0.236A	0.321B/0.258A 0.306B/*0.246A 0.292B/0.236A		0.320 + 0.047 .1251 0.306 + 0.045 .1199					1 1	UNCH UNCH UNCH
3325 3350 3375			0.279B/*0.225A 0.266B/*0.216A	0.279B/*0.225A 0.266B/*0.216A		0.278 + 0.040 .1097 0.266 + 0.038 .1052					29 1	UNCH UNCH
3400 3450 TOTAI			0.254B/*0.206A 0.232B/*0.190A	0.254B/*0.206A 0.232B/*0.190A		0.254 + 0.036 .1008 0.232 + 0.032 .0925			 55		4 3 2133 +	UNCH UNCH 27
JUL23 1550						9.270 + 0.366 .9758					1	UNCH
1650 1675						8.291 + 0.361 .9639 8.050 + 0.361 .9602					1 1	UNCH UNCH
1825 1850 1875			6.682B/5.942A 6.452B/5.717A 6.224B/5.495A	6.682B/5.942A 6.452B/5.717A 6.224B/5.495A		6.634 + 0.350 .9298 6.405 + 0.349 .9228 6.178 + 0.346 .9154					1 25 2	UNCH UNCH UNCH
1950 1975 2000			5.558B/4.851A 5.341B/4.645A 5.127B/4.445A	5.558B/4.851A 5.341B/4.645A 5.127B/4.445A		5.514 + 0.339 .8892 5.299 + 0.337 .8792 5.087 + 0.333 .8681					1 10 10	UNCH UNCH UNCH
2075 2100			4.512B/3.864A 4.316B/3.680A 4.125B/3.503A	4.512B/3.864A 4.316B/3.680A		4.476 + 0.322 .8308 4.281 + 0.317 .8168					5 114	UNCH UNCH
2125 2200 2275			3.582B/3.007A 3.089B/2.568A	4.125B/3.503A 3.582B/3.007A 3.089B/2.568A		3.550 + 0.293 .7532 3.062 + 0.273 .6987					35 205 5	UNCH UNCH UNCH
2300 2325 2350			2.937B/2.434A 2.791B/2.306A 2.651B/2.185A	2.937B/2.434A 2.791B/2.306A 2.651B/2.185A		2.911 + 0.266 .6797 2.766 + 0.259 .6603 2.628 + 0.252 .6406					43 7 10	UNCH UNCH UNCH
2400 2450	2.080	2.080	2.389B/1.960A 2.151B/1.758A	2.389B/1.960A 2.151B/1.758A		2.369 + 0.237 .6008 2.134 + 0.221 .5611					202 19	UNCH

## **METALS OPTIONS PRODUCTS**

64 Side 31







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

Customer Service: (312) 930-1000

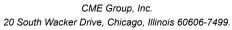
PG64	BULLET	ΓIN # 9@		M	ETALS OPTION F	PRODUCTS			OPEN	Fri,	Jan 13	, 2023	PG64
	GLOBEX OPEN	OPEN OUTCRY OPEN RANGE	GLOBEX HIGH/LOW	OPEN OUTCRY HIGH/LOW	OPEN OUTCRY CLOSE RANGE	SETT.PRICE & PT.CHGE.	DELTA	EXER CISES	OUTCRY VOLUME	GLOBEX® VOLUME	PNT VOLUME		OPEN EREST
SO CA JUL23	LL	COMEX SILVE	R OPTIONS										
2475 2500	1.850	1.850	2.040B/1.665A 1.935B/1.579A	2.040B/1.665A 1.935B/1.579A		2.026 + 0.215 1.923 + 0.207 1.826 + 0.200	7 .5221			57 10		93 + 585	39 UNCH UNCH
2525 2550 2575			2.040B/1.665A 1.935B/1.579A 1.836B/1.496A 1.743B/1.420A 1.658B/1.347A 1.575B/1.277A 1.424B/1.152A 1.354B/1.094A 1.289B/1.042A 1.227B/0.992A 1.168B/0.9944A	2.0408/1.055A 1.9358/1.579A 1.8368/1.496A 1.7438/1.420A 1.6588/1.347A 1.5758/1.277A 1.4248/1.152A 1.3548/1.094A 1.2898/1.042A		1.733 + 0.193 1.646 + 0.186	3 .4845					42 1 4	UNCH UNCH
2600 2650			1.575B/1.277A 1.424B/1.152A	1.575B/1.277A 1.424B/1.152A		1.564 + 0.179 1.413 + 0.166 1.344 + 0.160	.4149					195 115 362	UNCH UNCH UNCH
2675 2700 2725			1.289B/1.042A 1.227B/0.992A	1.22/B/U.332A		1.279 + 0.154 1.217 + 0.148	1 .3833					344 19	UNCH UNCH
2750 2775 2800	0.900	 0.900	1.168B/0.944A 1.113B/0.897A 1.073/0.855A	1.168B/0.944A 1.113B/0.897A 1.073/0.855A		$ \begin{array}{r} 1.159 + 0.143 \\ 1.104 + 0.133 \\ 1.053 + 0.133 \end{array} $	7 .3400			 6		12 4 304 +	UNCH UNCH 4
2850 2900			0.964B/0.779A 0.879B/0.710A	0.964B/0.779A 0.879B/0.710A		0.958 + 0.122 0.873 + 0.113	2 .3016 3 .2785					9 144	UNCH UNCH
2925 2950 2975			0.839B/0.679A 0.802B/0.649A 0.766B/0.621A	0.839B/0.679A 0.802B/0.649A 0.766B/0.621A		0.834 + 0.109 0.797 + 0.104 0.762 + 0.100	1 .2573					1 36 1	UNCH UNCH UNCH
3000 3050	0.634 0.567	0.634 0.567	0.732B/0.595A 0.670B/0.546A	0.732B/0.595A 0.670B/0.546A		0.729 + 0.096 0.668 + 0.089	.2379			200 12	100	2250 + 18 +	300 12
3075 3100 3125			0.641B/0.524A 0.613B/0.502A 0.587B/0.482A	0.641B/0.524A 0.613B/0.502A 0.587B/0.482A		0.639 + 0.084 0.613 + 0.082 0.587 + 0.078	2 .2037					2 16 460	UNCH UNCH UNCH
3150 3200	0.456	 0.456	0.562B/0.463A 0.516B/0.427A 0.475B/0.394A 0.438B/0.365A	0.562B/0.463A 0.516B/0.427A 0.475B/0.394A		0.563 + 0.075 0.518 + 0.065 0.477 + 0.064	.1748			 1		110 1 1	UNCH UNCH UNCH
3250 3300 3400			0.3/3B/0.313A	0.438B/0.365A 0.373B/0.313A		0.440 + 0.059 0.376 + 0.051	.1505 L .1301					133 1	UNCH UNCH
3500 3600 3650			0.319B/0.271A 0.275B/0.235A 0.255B/0.220A	0.319B/0.271A 0.275B/0.235A 0.255B/0.220A		0.323 + 0.044 0.279 + 0.038 0.259 + 0.039	.0982			350 		1015 - 1 3	100 UNCH UNCH
3775 3800	0.202	0.202	0.214B/0.186A 0.207B/0.180A	0.214B/0.186A 0.207B/0.180A		0.218 NEV 0.211 + 0.029	v .0777 9 .0752			1 		1 +	1 UNCH
3900 4000 4025	0.165	0.165	0.180B/0.159A 0.165/0.165 0.153B/	0.180B/0.159A 0.165/0.165 0.153B/		0.185 + 0.025 0.163 + 0.022 0.158 + 0.022	.0586			253		190 857 + 10	UNCH 253 UNCH
4075 4500			0.144B/ 0.087B/ 0.051B/	0.144B/ 0.087B/ 0.051B/		0.148 + 0.020 0.092 + 0.012 0.057 + 0.007	.0334					1 33 228	UNCH UNCH UNCH
5000 6000 7000						0.028 + 0.002 $0.017 + 0.001$	2 .0099 L .0058					61 15	UNCH UNCH
9000 10000		0.010	0.010/0.010	0.010/0.010		0.010 UNCH 0.010 UNCH				1 896	100	10 21 + 8408 +	UNCH 1 510
TOTAL SEP23			8 3500/7 9244	8 350p/7 824a		8.532 + 0.359	9 .9496						
1650 1700 1725			8.3598/7.824A 8.1128/7.362A 7.8798/7.137A 7.6498/6.912A 5.6838/5.010A 5.4818/4.818A 3.3978/2.896A 2.8658/2.427A 2.7458/2.322A 2.5208/2.127A 2.4148/2.035A 1.7268/1.452A 1.4718/1.238A 1.3608/1.147A 1.2608/1.055 1.1278/0.950A	8. 3598/7.824A 8. 1128/7.364A 7. 8798/7.137A 7. 6498/6.912A 5. 6838/5.010A 5. 4818/4.818A 3. 3978/2.896A 2. 8658/2.427A 2. 7458/2.322A 2. 5208/2.127A 2. 4148/2.035A 1. 7268/1.452A 1. 4718/1.258A 1. 3608/1.147A 1. 2608/1.055 1. 1278/0.950A		8.062 + 0.356 7.830 + 0.354	.9402					1 1 2	UNCH UNCH UNCH
1750 1975 2000			7.649B/6.912A 5.683B/5.010A 5.481B/4.818A	7.649B/6.912A 5.683B/5.010A 5.481B/4.818A		7.600 + 0.352 5.646 + 0.330 5.445 + 0.327	.8568					1 1 1	UNCH UNCH UNCH
2300 2400			3.397B/2.896A 2.865B/2.427A	3.397B/2.896A 2.865B/2.427A		3.373 + 0.267 2.846 + 0.243	7 .6782 3 .6121					9 125	UNCH UNCH
2425 2450 2475			2.745B/2.322A 2.630B/2.222A 2.520B/2.127A	2.745B/2.322A 2.630B/2.222A 2.520B/2.127A		2.728 + 0.237 2.614 + 0.230 2.506 + 0.225	.5789					4 60 62	UNCH UNCH UNCH
2500 2700	2.225	2.225	2.414B/2.035A 1.726B/1.452A	2.414B/2.035A 1.726B/1.452A		2.402 NEW 1.724 + 0.171	v .5461 L .4267			21		21 + 325	21 UNCH
2800 2850 2900	1.055	 1.055	1.4/1B/1.238A 1.360B/1.147A 1.260B/1.055	1.4718/1.238A 1.360B/1.147A 1.260B/1.055		1.471 + 0.150 $1.362 + 0.141$ $1.263 + 0.133$	L .3527			 1		61 16 1	UNCH UNCH UNCH
2975 3000	1.098	1.098	1.127B/0.950A 1.098/0.916A 0.883B/0.747A	1.127B/0.950A 1.098/0.916A 0.883B/0.747A		1.130 + 0.120 1.090 + 0.117 0.885 + 0.098	7 .2919			1 		12 128 8	UNCH UNCH UNCH
3150 3200 3250			0.825B/0.699A 0.772B/0.656A	0.825B/0.699A 0.772B/0.656A		0.828 + 0.092 0.775 + 0.087	2 .2289					25 12	UNCH UNCH
3450 3475 3500			0.599B/0.516A 0.582B/0.501A 0.564B/0.487A	0.599B/0.516A 0.582B/0.501A 0.564B/0.487A		0.604 + 0.069 0.586 + 0.069 0.569 + 0.069	.1668					9 1 126	UNCH UNCH UNCH
4000 5000	0.138	0.138	0.324B/0.290A 0.138/0.138	0.324B/0.290A 0.138/0.138		0.332 + 0.036 0.142 + 0.015	.0973			1		116 25	UNCH UNCH
7000 TOTAL						0.045 + 0.004	1 .0133			24	0	50 1203 +	UNCH 21
DEC23 1875 1900			6.943B/6.279A 6.738B/6.082A	6.943B/6.279A 6.738B/6.082A		6.919 + 0.335 6.715 + 0.332						2 1	UNCH
1925 1950			6.537B/5.892A 6.339B/5.701A	6.537B/5.892A 6.339B/5.701A		6.514 + 0.329 6.317 + 0.326	.8548					2 4	UNCH UNCH
2200 2275 2400			4.577B/4.045A 4.131B/3.637A 3.479B/3.051A	4.577B/4.045A 4.131B/3.637A 3.479B/3.051A		4.565 + 0.286 4.123 + 0.272 3.474 + 0.246	.6933					1 1 1	UNCH UNCH UNCH
2425 2475 2500			3.361B/2.946A 3.138B/2.749A 3.033B/2.656A	3.361B/2.946A 3.138B/2.749A 3.033B/2.656A		3.358 + 0.241 3.137 + 0.231 3.032 + 0.225	L .5847					7 50 37	UNCH UNCH UNCH
2525 2550			2.931B/2.567A 2.834B/2.480A	2.931B/2.567A 2.834B/2.480A		2.932 + 0.220 2.835 + 0.215	5 .5448					8 126	UNCH UNCH
2600 2650 2700			2.651B/2.320A 2.482B/2.173A 2.326B/2.037A	2.651B/2.320A 2.482B/2.173A 2.326B/2.037A		2.653 + 0.205 2.485 + 0.195 2.331 + 0.187	.4946					100 150 1	UNCH UNCH UNCH
2750 2800			2.183B/1.912A 2.050B/1.798A	2.183B/1.912A 2.050B/1.798A		2.188 + 0.177 2.057 + 0.169	7 .4485 9 .4270					1 5 2	UNCH UNCH
2900 3000 3100	1.537	1.537	1.816B/1.595A 1.616B/1.422A 1.444B/1.269A	1.816B/1.595A 1.616B/1.422A 1.444B/1.269A		1.824 + 0.152 1.626 + 0.138 1.455 + 0.125	3 .3517			6	50 	1636 + 1	UNCH 56 UNCH
3300 3500 3600			1.173B/1.032A 0.963B/0.854A 0.877B/0.781A	1.173B/1.032A 0.963B/0.854A 0.877B/0.781A		1.180 + 0.105 0.973 + 0.090 0.888 + 0.083	.2234				50	26 1137 + 60	UNCH 50 UNCH
3650 4000			0.838B/0.748A 0.630B/0.565A	0.838B/0.748A 0.630B/0.565A		0.849 + 0.079 0.636 + 0.062	.1971 .1503					2 463	UNCH UNCH
4500 5000 7000			0.428B/ 0.311B/	0.428B/ 0.311B/		0.445 + 0.044 0.327 + 0.031 0.126 + 0.006	.0789 .0307					1 49 3	UNCH UNCH UNCH
10000 TOTAL			/*0.046A	/*0.046A		0.043 - 0.007	7 .0107			6	100	9 3886 +	UNCH 106
SO PU FEB23 1100	т	COMEX SILVE	R OPTIONS			0.001 UNC	1					2	UNCH
1200 1225						0.001 UNCH 0.001 UNCH	l					4 1	UNCH UNCH
1250 1275 1300						0.001 UNCH 0.001 UNCH 0.001 UNCH	l					3 6 9	UNCH UNCH UNCH
1325 1350 1375						0.001 UNCH 0.001 UNCH 0.001 UNCH	4					2 26 4	UNCH UNCH UNCH
1400 1425						0.001 UNCH 0.001 UNCH	l					9 16	UNCH UNCH
1450 1475 1500						0.001 UNCH 0.001 UNCH 0.001 UNCH	l					5 2 62	UNCH UNCH UNCH
1525 1550 1575			 			0.001 UNCH 0.001 UNCH 0.001 UNCH	l					3 146 71	UNCH UNCH UNCH
1600 1625						0.001 UNCH 0.001 UNCH	l					258 10	UNCH UNCH
1650 1675 1700			 			0.001 UNCH 0.001 UNCH 0.001 UNCH	4					98 29 193	UNCH UNCH UNCH
1725 1730						0.001 UNCH 0.001 UNCH	l					39 108	UNCH UNCH
1735 1740 1750						0.001 UNCH 0.001 UNCH 0.001 UNCH	l					12 1 166	UNCH UNCH UNCH
1755 1760	 	 	  N THIS REPORT IS COMPI		 	0.001 UNCH 0.001 UNCH	1					23 1	UNCH

## **METALS OPTIONS PRODUCTS**

Side 32

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







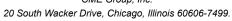
					PRELIMINA	XI					
PG64	BULLET	IN # 9@		М	ETALS OPTION P	RODUCTS			Fri,	Jan 13,	2023 PG64
	GLOBEX	OPEN OUTCRY	GLOBEX	OPEN OUTCRY	OPEN OUTCRY	SETT.PRICE	EXER	OPEN OUTCRY	GLOBEX® VOLUME		OPEN INTEREST
	OPEN	OPEN RANGE	HIGH/LOW	HIGH/LOW	CLOSE RANGE	& PT.CHGE. DELTA	CISES	VOLUME	VOLUME	VOLUME	INTEREST
SO PU FEB23		COMEX SILVER (									_
1765 1770						0.001 UNCH 0.001 UNCH					5 UNCH 11 UNCH 5 UNCH
1775 1785 1790						0.001 UNCH 0.001 UNCH 0.001 UNCH					5 UNCH 11 UNCH 2 UNCH
1795 1800						0.001 UNCH 0.001 UNCH					9 UNCH 271 UNCH
1820 1825						0.001 UNCH 0.001 UNCH					10 UNCH 54 UNCH
1830 1840						0.001 UNCH 0.001 UNCH .0000					5 UNCH 80 UNCH
1845 1850						0.001 UNCH .0000 0.001 UNCH .0000 0.001 UNCH .0000					19 UNCH 70 UNCH 3 UNCH
1855 1860 1865						0.001 UNCH .0000 0.001 UNCH .0000					4 UNCH 20 UNCH
1870 1875						0.001 UNCH .0000 0.001 UNCH .0000					10 UNCH 14 UNCH
1880 1885						0.001 UNCH .0000 0.001 UNCH .0000					1 UNCH 2 UNCH
1890 1895 1900						0.001 UNCH .0000 0.001 UNCH .0000 0.001 UNCH .0000					21 UNCH 4 UNCH 125 UNCH
1905 1910						0.001 UNCH .0000 0.001 UNCH .0000					10 UNCH 20 UNCH
1915 1920						0.001 UNCH .0000 0.001 UNCH .0001					1 UNCH 12 UNCH
1925 1930						0.001 UNCH .0001 0.001 - 0.001 .0001					3 UNCH 4 UNCH
1935 1940 1945						0.001 - 0.001 .0001 0.001 - 0.001 .0001 0.001 - 0.001 .0002					1 UNCH 11 UNCH 4 UNCH
1950 1960						0.001 - 0.001 .0002 0.001 - 0.001 .0003					46 UNCH 11 UNCH
1965 1970						0.001 - 0.001 .0003 0.001 - 0.001 .0004					2 UNCH 2 UNCH
1975 1980			/*0.002A /*0.002A	/*0.002A /*0.002A /*0.003A		0.001 - 0.002 .0005 0.001 - 0.002 .0005					22 UNCH 12 UNCH
1985 1990 1995			/*0.002A /*0.002A /*0.002A	/*0.002A /*0.002A /*0.002A	 	0.001 - 0.002 .0006 0.001 - 0.002 .0007 0.001 - 0.002 .0008			 2		7 UNCH 5 UNCH 2 - 2
2000 2005			/*0.002A /*0.002A	/*0.002A /*0.002A		0.001 - 0.002 .0010 0.001 - 0.003 .0011					419 UNCH 2 UNCH
2010 2015			/*0.002A /*0.002A	/*0.002A /*0.002A		0.001 - 0.003 .0012 0.001 - 0.003 .0014					1 UNCH 7 UNCH
2020 2025			/*0.002A /*0.003A /*0.002A	/*0.002A /*0.003A /*0.002A		0.002 - 0.002 .0027 0.002 - 0.003 .0027					3 UNCH 23 UNCH
2030 2035 2040			/*0.002A /*0.002A /*0.003A	/*0.002A /*0.002A /*0.003A		0.002 - 0.003 .0028 0.002 - 0.003 .0028 0.002 - 0.003 .0028					22 UNCH 5 UNCH 9 UNCH
2045 2045 2050	0.002	0.002	/*0.003A 0.002/*0.002	/*0.003A 0.002/*0.002		0.002 - 0.004 .0029 0.002 - 0.004 .0029			1 2		15 UNCH 28 UNCH
2055 2060			/*0.003A /*0.003A	/*0.003A /*0.003A		0.003 - 0.004 .0042 0.003 - 0.004 .0042					3 UNCH 3 UNCH
2065 2070			/*0.003A /*0.004A /*0.004A	/*0.003A /*0.004A /*0.004A		0.003 - 0.004 .0043 0.003 - 0.005 .0044					13 UNCH 15 UNCH
2075 2080 2085			/*0.004A /*0.004A /*0.004A	/*0.004A /*0.004A /*0.004A		0.003 - 0.005 .0044 0.004 - 0.005 .0057 0.004 - 0.005 .0058					107 UNCH 17 UNCH 3 UNCH
2090 2095	0.004	0.004	0.004/*0.004 /*0.004A	0.004/*0.004 /*0.004A		0.004 - 0.006 .0059 0.005 - 0.006 .0072			5 2		12 UNCH 13 - 2
2100 2105			0.012B/*0.005A 0.013B/*0.005A	0.012B/*0.005A 0.013B/*0.005A		0.005 - 0.006 .0073 0.005 - 0.007 .0074			10 		422 - 10 104 UNCH
2110 2115			0.014B/*0.006A 0.016B/*0.006A	0.014B/*0.006A 0.016B/*0.006A 0.017B/*0.007A		0.006 - 0.007 .0088 0.006 - 0.008 .0089					8 UNCH 18 UNCH 33 UNCH
2120 2125 2130			0.017B/*0.007A 0.019B/*0.007A 0.021B/*0.008A	0.017B/*0.007A 0.019B/*0.007A 0.021B/*0.008A		0.007 - 0.008 .0103 0.007 - 0.009 .0104 0.008 - 0.009 .0118					33 UNCH 529 UNCH 14 - 3
2135 2140	0.011 0.010	0.011 0.010	0.022B/*0.008A 0.024B/*0.009A	0.022B/*0.008A 0.024B/*0.009A		0.008 - 0.010 .0120 0.009 - 0.010 .0134			10 2		34 UNCH 30 - 1
2145 2150	0.014 0.012	0.014 0.012	0.027B/*0.010 0.029B/*0.010A	0.027B/*0.010 0.029B/*0.010A		0.010 - 0.011 .0148 0.011 - 0.011 .0162			2 22		24 UNCH 161 + 2
2155 2160	0.031	0.031	0.031B/*0.010A 0.034B/*0.012A 0.036B/*0.012A	0.031B/*0.010A 0.034B/*0.012A 0.036B/*0.012A		0.011 - 0.013 .0164 0.012 - 0.013 .0179 0.013 - 0.014 .0194			6		64 UNCH 19 + 2 5 UNCH
2165 2170 2175	0.032	0.032	0.039B/*0.013A 0.042B/*0.014A	0.039B/*0.013A 0.042B/*0.014A		0.014 - 0.015 .0209 0.015 - 0.016 .0224			205		5 UNCH 45 UNCH 349 + 162
2180 2185			0.045B/*0.015A 0.049B/*0.017A	0.045B/*0.015A 0.049B/*0.017A		0.016 - 0.018 .0239 0.018 - 0.018 .0266			2		47 UNCH 31 UNCH
2190 2195			0.053B/*0.018A 0.057B/*0.019A	0.053B/*0.018A 0.057B/*0.019A 0.061B/*0.020		0.019 - 0.020 .0282 0.020 - 0.022 .0299					30 UNCH 21 UNCH 492 – 9
2200 2205 2210	0.020	0.020 	0.061B/*0.020 0.066B/*0.022A 0.071B/*0.024A	0.066B/*0.022A 0.071B/*0.024A		0.022 - 0.023 .0326 0.024 - 0.024 .0354 0.025 - 0.027 .0372			22  1		492 - 9 8 UNCH 33 - 1
2215 2220	0.062	0.062	0.076B/*0.026A 0.083B/*0.028A	0.076B/*0.026A 0.083B/*0.028A		0.027 - 0.028 .0400 0.030 - 0.029 .0440			3		6 UNCH 16 - 2
2225 2230			0.088B/*0.030A 0.096B/*0.032A	0.088B/*0.030A 0.096B/*0.032A		0.032 - 0.032 .0469 0.035 - 0.033 .0510			27 		152 + 10 9 UNCH
2235 2240 2245	0.095	 0.095	0.103B/*0.035A 0.111B/*0.037A 0.119B/*0.040A	0.103B/*0.035A 0.111B/*0.037A 0.119B/*0.040A		0.037 - 0.036 .0540 0.040 - 0.038 .0581 0.043 - 0.041 .0622			  7		18 UNCH 24 UNCH 20 - 7
2250 2255	0.054	0.054	0.128B/*0.044A 0.137B/*0.046A	0.128B/*0.044A 0.137B/*0.046A		0.047 - 0.042 .0674 0.051 - 0.045 .0726			33		150 - 7 25 UNCH
2260 2265	0.118 0.064	0.118 0.064	0.147B/*0.050A 0.156B/*0.054A	0.147B/*0.050A 0.156B/*0.054A		0.055 - 0.047 .0779 0.059 - 0.050 .0832			7 200		32 + 6 89 + 52
2270 2275	0.088	0.088	0.167B/*0.059A 0.179B/*0.063A 0.191B/*0.067A	0.167B/*0.059A 0.179B/*0.063A 0.191B/*0.067A		0.064 - 0.053 .0894 0.069 - 0.056 .0957 0.074 - 0.059 .1021			1 6 1		14 + 1 175 UNCH 42 UNCH
2280 2285 2290	0.186	0.186	0.204B/*0.072A 0.217B/*0.077A	0.204B/*0.072A 0.217B/*0.077A		0.080 - 0.062 .1093 0.086 - 0.065 .1166			2		14 UNCH 38 UNCH
2295 2300	0.166 0.190	0.166 0.190	0.233B/*0.082A 0.248B/*0.086	0.233B/*0.082A 0.248B/*0.086		0.092 - 0.069 .1240 0.099 - 0.073 .1322			1 160		9 UNCH 592 - 1
2305 2310	0.230 0.246	0.230 0.246	0.261B/*0.094A 0.279B/*0.102A	0.261B/*0.094A 0.279B/*0.102A		0.106 - 0.077 .1405 0.114 - 0.080 .1496 0.122 - 0.085 .1587			10 47		17 - 7 42 + 33
2315 2320 2325	0.158 0.180	0.158 0.180	0.297B/*0.110A 0.315B/*0.117A 0.334B/*0.126A	0.297B/*0.110A 0.315B/*0.117A 0.334B/*0.126A		0.122 - 0.085 .1587 0.130 - 0.090 .1679 0.139 - 0.094 .1778			5 1 3		12 - 4 18 UNCH 126 - 2
2330 2335	0.301	0.301	0.354B/*0.135A 0.375B/*0.144A	0.354B/*0.135A 0.375B/*0.144A		0.149 - 0.099 .1885 0.159 - 0.104 .1992			1 5		25 UNCH 18 - 1
2340 2345	0.314	0.314	0.397B/*0.153A 0.419B/*0.163A	0.397B/*0.153A 0.419B/*0.163A		0.170 - 0.108 .2105 0.181 - 0.114 .2220			10		15 - 1 23 UNCH
2350 2355 2360	0.320 0.188	0.320 0.188	0.441B/*0.170 0.465B/*0.186A 0.489B/*0.199A	0.441B/*0.170 0.465B/*0.186A 0.489B/*0.199A		0.193 - 0.119 .2340 0.206 - 0.124 .2466 0.219 - 0.130 .2592			85 4 2		410 + 1 45 + 4 15 - 2
2360 2365 2370	0.484	0.484	0.489B/*0.199A 0.517B/*0.212A 0.541B/*0.226A	0.489B/*0.199A 0.517B/*0.212A 0.541B/*0.226A		0.219 - 0.130 .2592 0.233 - 0.135 .2723 0.248 - 0.140 .2859			1 2		15 - 2 9 UNCH 16 - 1
2375 2380	0.340 0.501	0.340 0.501	0.569B/*0.241A 0.597B/*0.256A	0.569B/*0.241A 0.597B/*0.256A		0.263 - 0.146 .2996 0.279 - 0.152 .3137			1 <u>1</u> 3		222 + 1 12 UNCH
2385 2390	0.547	0.547	0.632B/*0.273A 0.657B/*0.290A	0.632B/*0.273A 0.657B/*0.290A		0.296 - 0.157 .3281 0.314 - 0.163 .3429			1 4		10 UNCH 9 UNCH
2395 2400	0.642	0.642	0.692B/*0.304A 0.722B/*0.321 0.754B/*0.342A	0.692B/*0.304A 0.722B/*0.321 0.754B/*0.342A		0.333 - 0.168 .3579 0.352 - 0.174 .3730 0.372 - 0.180 .3883			1 22 2		111 UNCH 437 + 1 60 + 1
2405 2410 2415	0.675  0.498	0.675  0.498	0.754B/*0.342A 0.787B/*0.360A 0.821B/*0.383A	0.754B/*0.342A 0.787B/*0.360A 0.821B/*0.383A		0.372 - 0.180 .3883 0.394 - 0.184 .4040 0.415 - 0.191 .4195			1 2		60 + 1 56 UNCH 14 UNCH
2420 2425	0.686	0.686	0.856B/*0.405A 0.891B/*0.427A	0.856B/*0.405A 0.891B/*0.427A		0.438 - 0.196 .4352 0.462 - 0.201 .4511			6		28 UNCH 87 + 4
2430 2435	0.515	0.515	0.927B/*0.448A 0.952B/*0.472A	0.927B/*0.448A 0.952B/*0.472A		0.486 - 0.207 .4668 0.511 - 0.213 .4827			6 1		39 - 3 22 UNCH
2440 2445 2450	0.648  0.961	0.648  0.961	0.991B/*0.497A 1.027B/*0.523A 1.073B/*0.551A	0.991B/*0.497A 1.027B/*0.523A 1.073B/*0.551A		0.537 - 0.218 .4984 0.564 - 0.223 .5142 0.591 - 0.229 .5299			17  15		22 + 9 18 UNCH 161 + 6
2450 2455 2460	0.757 0.787	0.757 0.787	1.105B/*0.576A 1.143B/*0.606A	1.105B/*0.576A 1.143B/*0.606A		0.620 - 0.234 .5453 0.649 - 0.239 .5607			3 2		8 + 3 6 + 1
2465 2470	0.823	0.823	1.185B/*0.635A 1.226B/*0.664A	1.185B/*0.635A 1.226B/*0.664A		0.679 - 0.244 .5760 0.709 - 0.250 .5909			3		2 - 2 9 UNCH
2475 2480			1.276B/*0.696A 1.272B/*0.725A	1.276B/*0.696A 1.272B/*0.725A		0.741 - 0.255 .6059 0.773 - 0.260 .6205			2		12 + 2 3 UNCH

## **METALS OPTIONS PRODUCTS**

Side 33

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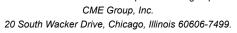


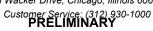
					PRELIMINA	RY					
PG64	1 BULLET	in # 9@		ME	TALS OPTION F	PRODUCTS			Fri,	Jan 13,	2023 PG64
	GLOBEX OPEN	OPEN OUTCRY OPEN RANGE	GLOBEX HIGH/LOW	OPEN OUTCRY HIGH/LOW	OPEN OUTCRY CLOSE RANGE	SETT.PRICE & PT.CHGE. DEL	EXER FA CISES	OPEN OUTCRY VOLUME	GLOBEX® VOLUME	PNT VOLUME	OPEN INTEREST
60 BI			•	HIGH/ LOW	CLOSE RANGE	& PI.CHGE. DEL	IA CISES	VOLUME	VOLUME	VOLUME	1111 21123 1
SO PU FEB23		COMEX SILVER OF	1.314B/*0.758A	1.314B/*0.758A		0.805 - 0.265 .63	348				5 UNCH
2485 2495 2500			1.400B/*0.825A 1.488B/*0.861A	1.400B/*0.825A 1.488B/*0.861A		0.873 - 0.275 .60	527 762				4 UNCH 29 UNCH
2505 2510			1.486B/*0.895A 1.530B/*0.930A	1.486B/*0.895A 1.530B/*0.930A		0.944 - 0.283 .68	892 021				2 UNCH 12 UNCH
2515 2520			1.575B/*0.967A 1.619B/*1.004A	1.575B/*0.967A 1.619B/*1.004A		1.017 - 0.291 .73 1.054 - 0.296 .73	.46 .70				7 UNCH 16 UNCH
2525 2530			1.708B/*1.042A 1.710B/*1.079A	1.708B/*1.042A 1.710B/*1.079A		1.131 - 0.302 .7	889 602				16 UNCH 6 UNCH
2535 2540			1.756B/*1.118A 1.802B/*1.157A 1.814B/*1.196A	1.756B/*1.118A 1.802B/*1.157A 1.814B/*1.196A			514 719 324				7 UNCH 13 UNCH 3 UNCH
2545 2550 2560			1.935B/*1.237A 1.836B/*1.331A	1.935B/*1.237A 1.836B/*1.331A		1.290 - 0.316 .79					6 UNCH 4 UNCH
2565 2570			1.867B/1.398A 1.881B/1.439A	1.867B/1.398A 1.881B/1.439A		1.415 - 0.323 .83	200 290				8 UNCH 1 UNCH
2575 2595	2.046	2.046	2.169B/1.444A 2.113B/1.652A	2.169B/1.444A 2.113B/1.652A		1.675 - 0.336 .80	371 668		2		6 - 1 1 UNCH
2600 2625	2.437	2.437	2.406B/1.661A 2.638B/1.888A	2.406B/1.661A 2.638B/1.888A		1.947 - 0.345 .90	731		6		23 UNCH 10 UNCH
2650 2675 2700	2.626	2.626 	2.724B/2.120A 2.805B/2.356A 3.059B/2.597A	2.724B/2.120A 2.805B/2.356A 3.059B/2.597A		2.417 - 0.354 .94	143 119 146		3 		7 + 3 2 UNCH 8 UNCH
2725 2750			3.294B/ 3.551B/	3.294B/ 3.551B/		2.899 - 0.361 .90	645 229				2 UNCH 5 UNCH
2775 2800			3.788B/ 4.046B/	3.788B/ 4.046B/		3.390 - 0.363 .93 3.637 - 0.364 .93	787 331		1		1 UNCH 15 UNCH
2825 2850			4.285B/ 4.544B/	4.285B/ 4.544B/		4.132 - 0.366 .99	373 901				5 UNCH 8 UNCH
2925 3000			5.283B/ 6.043B/ 7.283B/	5.283B/ 6.043B/ 7.283B/		5.628 - 0.368 .99	946 974 994				3 UNCH 1 UNCH 4 UNCH
3125 3200 3400			8.043B/ 10.043B/	8.043B/ 10.043B/		7.628 - 0.368 .99	994 999 900				4 UNCH 2 UNCH 2 UNCH
TOTAL			10.0436/	10.0435/		3.020 0.300 .00	,00		1035	0	9289 + 235
MAR23 775						0.001			1		1 + 1
800 900						0.001 UNCH					21 UNCH 1 UNCH
1000 1050						0.001 UNCH	000				2 UNCH 1 UNCH 23 UNCH
1100 1150 1175						0.001 - 0.001 .00	000				1 UNCH 5 UNCH
1200 1225						0.001 - 0.002 .00	000				19 UNCH 230 UNCH
1250 1300						0.001 - 0.002 .00	001				11 UNCH 245 UNCH
1325 1350						0.001 - 0.003 .00	003				2 UNCH 9 UNCH
1375 1400						0.002 - 0.002 .00	)06 )12 )13				5 UNCH 219 UNCH 6 UNCH
1425 1450 1475						0.002 - 0.003 .00	)13 )14				92 UNCH 5 UNCH
1500 1525						0.003 - 0.003 .00	)20 )21				434 UNCH 12 UNCH
1550 1575						0.004 - 0.003 .00	)27 )28				259 UNCH 15 UNCH
1600 1625						0.005 - 0.002 .00	)35 )36 )44		1		38 UNCH 168 + 1
1650 1675 1700	0.011	0.011	0.011/0.011	0.011/0.011		0.007 - 0.002 .00	)44 )51 )59		20		60 UNCH 15 UNCH 403 + 5
1725 1750						0.009 - 0.001 .00	)68 )76				36 UNCH 133 UNCH
1775 1800						0.011 - 0.002 .00 0.013 - 0.002 .00	086 L02		1		5 + 1 771 UNCH
1825 1850			/*0.019A	/*0.019A		0.017 - 0.003 .03	18		1		56 UNCH 49 UNCH
1875 1900	0.020	0.020	0.025B/*0.020 0.030B/*0.025A 0.033B/*0.027A	0.025B/*0.020 0.030B/*0.025A 0.033B/*0.027A		0.023 - 0.005 .03	.61 .86 .02		30 1		325 - 10 187 + 1 1 UNCH
1910 1915 1920			0.034B/*0.027A 0.035B/*0.028A	0.034B/*0.027A 0.035B/*0.028A		0.026 - 0.005 .03	210 212		 1		6 UNCH 2 UNCH
1925 1930	0.030	0.030	0.037B/*0.029A 0.038B/*0.030A	0.037B/*0.029A 0.038B/*0.030A		0.027 - 0.006 .03 0.028 - 0.006 .03	220				51 - 1 2 UNCH
1935 1940			0.040B/*0.031A 0.041B/*0.032A	0.040B/*0.031A 0.041B/*0.032A		0.030 - 0.007 .03	236 244		1		4 UNCH 13 + 1
1945 1950 1955			0.043B/*0.033A 0.045B/*0.033A 0.046B/*0.035A	0.043B/*0.033A 0.045B/*0.033A 0.046B/*0.035A		0.032 - 0.008 .03	252 260 269		6		2 UNCH 468 + 6 18 UNCH
1960 1965			0.048B/*0.036A 0.050B/*0.037A	0.048B/*0.036A 0.050B/*0.037A		0.034 - 0.009 .03	277 286				20 UNCH 2 UNCH
1970 1975			0.052B/*0.038A 0.054B/*0.039A	0.052B/*0.038A 0.054B/*0.039A		0.036 - 0.010 .03 0.038 - 0.009 .03	94 809				21 UNCH 36 UNCH
1980 1985			0.056B/*0.041A 0.058B/*0.042A	0.056B/*0.041A 0.058B/*0.042A		0.040 - 0.011 .03	318 327				3 UNCH 1 UNCH
1990 1995	0.060	 0.060	0.061B/*0.043A 0.063B/*0.045A 0.065B/*0.043	0.061B/*0.043A 0.063B/*0.045A 0.065B/*0.043		0.043 - 0.012 .03	342 351 366		12		3 UNCH 2 UNCH 535 + 5
2000 2005 2010			0.068B/*0.048A 0.071B/*0.049A	0.068B/*0.048A 0.071B/*0.049A		0.046 - 0.013 .03	375 390				1 UNCH 1 UNCH
2015 2020			0.073B/*0.051A 0.076B/*0.053A	0.073B/*0.051A 0.076B/*0.053A		0.050 - 0.013 .04 0.052 - 0.014 .04	105 121				1 UNCH 1 UNCH
2025 2030			0.079B/*0.055A 0.082B/*0.057A	0.079B/*0.055A 0.082B/*0.057A		0.056 - 0.015 .04	136 152				44 UNCH 6 UNCH
2035 2050	0.067	0.067	0.086B/*0.058A 0.096B/*0.064A 0.104B/*0.069A	0.086B/*0.058A 0.096B/*0.064A 0.104B/*0.069A		0.064 - 0.018 .0	168 515 554		80		1 UNCH 90 + 71 12 UNCH
2060 2065 2070			0.104B/*0.069A 0.108B/*0.072A 0.113B/*0.074A	0.104B/*0.069A 0.108B/*0.072A 0.113B/*0.074A		0.0/2 - 0.020 .0	575 597		 1		177 UNCH 4 - 1
2075 2085	0.089	0.089	0.117B/*0.077A 0.127B/*0.083A	0.117B/*0.077A 0.127B/*0.083A		0.078 - 0.021 .00 0.084 - 0.023 .00	520 564				166 + 2 7 UNCH
2090 2095	0.098	0.098	0.132B/*0.086A 0.138B/*0.089A	0.132B/*0.086A 0.138B/*0.089A		0.090 - 0.025 .03	587 710		6 		13 + 5 14 UNCH
2100 2105 2110	0.124	0.124	0.143B/*0.085 0.149B/*0.096A 0.155B/*0.099A	0.143B/*0.085 0.149B/*0.096A 0.155B/*0.099A		0.098 - 0.026 .03	738 766 789		276  1	600 	1343 + 506 1 UNCH 10 UNCH
2115 2120			0.162B/*0.103A 0.168B/*0.107A	0.162B/*0.103A 0.168B/*0.107A		0.105 - 0.029 .08	317 351				18 UNCH 2 UNCH
2125 2130			0.175B/*0.111A 0.182B/*0.115A	0.175B/*0.111A 0.182B/*0.115A		0.114 - 0.030 .08	379 908				29 UNCH 10 UNCH
2135 2140	0.120	0.120	0.189B/*0.119A 0.197B/*0.120	0.189B/*0.119A 0.197B/*0.120		0.128 - 0.033 .09	942 976		 11		4 UNCH 14 + 2
2145 2150	0.139	0.139	0.205B/*0.127A 0.213B/*0.130A	0.205B/*0.127A 0.213B/*0.130A		0.138 - 0.035 .10	)10 )44		11		7 UNCH 562 + 4
2155 2160	0.132 0.160	0.132 0.160	0.221B/*0.132 0.231B/*0.144A 0.239B/*0.149A	0.221B/*0.132 0.231B/*0.144A 0.239B/*0.149A			)79  18  57		2 3 1		35 + 2 15 + 1 10 + 1
2165 2170 2175			0.239B/*0.149A 0.249B/*0.156A 0.258B/*0.161A	0.239B/*0.149A 0.249B/*0.156A 0.258B/*0.161A		0.161 - 0.040 .1	196 136				10 + 1 10 UNCH 130 UNCH
21/3 2180 2185			0.269B/*0.167A 0.280B/*0.173A	0.269B/*0.167A 0.280B/*0.173A		0.174 - 0.042 .13	280 320		1 2		17 + 1 2 + 2
2190 2195			0.290B/*0.180A 0.300B/*0.186A	0.290B/*0.180A 0.300B/*0.186A		0.187 - 0.045 .1 0.195 - 0.046 .1	364 112				13 UNCH 3 UNCH
2200 2210	0.254	0.254	0.311B/*0.193A 0.337B/*0.209A	0.311B/*0.193A 0.337B/*0.209A		0.218 - 0.051 .1	56 54		13 		803 UNCH 11 UNCH
2215 2220			0.348B/*0.216A 0.362B/*0.224A 0.376B/*0.231A	0.348B/*0.216A 0.362B/*0.224A 0.376B/*0.231A		0.235 - 0.054 .10	503 555		2		7 UNCH 11 + 1 87 + 3
2225 2230 2235			0.376B/*0.231A 0.389B/*0.241A 0.404B/*0.250A	0.376B/*0.231A 0.389B/*0.241A 0.404B/*0.250A		0.253 - 0.058 .13	704 761 314		25 1 1		$     \begin{array}{ccccccccccccccccccccccccccccccccc$
2240 2245			0.420B/*0.259A 0.434B/*0.269A	0.420B/*0.259A 0.434B/*0.269A			371				7 UNCH 24 UNCH
2250 2255	0.380	0.380	0.451B/*0.279A 0.465B/*0.289A	0.451B/*0.279A 0.465B/*0.289A			84		143		544 + 86 2 UNCH

## **METALS OPTIONS PRODUCTS**

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_					PRELIMINA							
PG64	4 BULLE	TIN # 9@			ETALS OPTION I	PRODUCTS		OPEN	-		2023	
	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 <sup>®</sup> VOLUME	PNT VOLUME	INTER	OPEN REST
SO PL	JT	COMEX SILVER	OPTIONS									
MAR23 2260		====	0.481B/*0.300A	0.481B/*0.300A		0.314 - 0.072 .2105					1	UNCH
2265 2270	0.316	0.316	0.499B/*0.311A 0.518B/*0.322A	0.499B/*0.311A 0.518B/*0.322A		0.326 - 0.074 .2168 0.338 - 0.077 .2232					19 + 10	UNCH
2275 2280	0.348  0.502	0.348  0.502	0.536B/*0.328 0.554B/*0.346A 0.572B/*0.357A	0.536B/*0.328 0.554B/*0.346A 0.572B/*0.357A		0.350 - 0.079 .2295 0.363 - 0.081 .2362 0.376 - 0.084 .2428			<del>-</del> 2		146 + 68 41 +	UNCH
2285 2290 2295		0.302	0.593B/*0.370A 0.613B/*0.384A	0.593B/*0.370A 0.613B/*0.384A		0.389 - 0.087 .2495 0.403 - 0.089 .2564					22 13	UNCH UNCH
2300 2305	0.449	0.449	0.633B/*0.397A 0.654B/*0.411A	0.633B/*0.397A 0.654B/*0.411A		0.417 - 0.092 .2633 0.432 - 0.094 .2705			15		182 -	4 UNCH
2310 2315	0.473 0.454	0.473 0.454	0.675B/*0.426A 0.697B/*0.440A	0.675B/*0.426A 0.697B/*0.440A		0.447 - 0.097 .2776 0.462 - 0.100 .2848			13 5		8 9 +	UNCH 5
2320 2325	0.709	0.709	0.719B/*0.456A 0.742B/*0.471A	0.719B/*0.456A 0.742B/*0.471A		0.478 - 0.103 .2922 0.494 - 0.106 .2996			1 63		26 - 64 +	1 36
2330 2335			0.765B/*0.487A 0.789B/*0.504A	0.765B/*0.487A 0.789B/*0.504A		0.511 - 0.108 .3071 0.528 - 0.111 .3147					22 + 39	1 UNCH
2340 2345			0.813B/*0.521A 0.839B/*0.538A	0.813B/*0.521A 0.839B/*0.538A 0.863B/*0.556A		0.546 - 0.114 .3225 0.564 - 0.117 .3302			2		39 10 186 -	UNCH
2350 2355	0.634	0.634	0.863B/*0.556A 0.889B/*0.574A 0.914B/*0.593A	0.889B/*0.574A 0.914B/*0.593A		0.583 - 0.119 .3381 0.602 - 0.122 .3460 0.621 - 0.125 .3538			12 1		186 - 319 + 26	11 1 UNCH
2360 2365 2370	0.836 0.861	0.836 0.861	0.941B/*0.613A 0.969B/*0.634A	0.941B/*0.613A 0.969B/*0.634A		0.641 - 0.128 .3618 0.661 - 0.131 .3698			22		28 + 5 +	12
2375 2380	0.971	0.971	0.997B/*0.654A 1.025B/*0.674A	0.997B/*0.654A 1.025B/*0.674A		0.682 - 0.134 .3779 0.703 - 0.137 .3860			1 1		27 - 4	1 UNCH
2385 2390	0.978 0.956	0.978 0.956	1.053B/*0.694A 1.081B/*0.715A	1.053B/*0.694A 1.081B/*0.715A		0.725 - 0.140 .3942 0.747 - 0.143 .4024			3 6		10 53 -	UNCH 1
2395 2400	0.765 0.825	0.765 0.825	1.109B/*0.737A 1.141B/*0.755	1.109B/*0.737A 1.141B/*0.755		0.770 - 0.145 .4106 0.793 - 0.149 .4188			162		27 181 +	UNCH 114
2405 2410	0.792	0.792 	1.169B/*0.782A 1.200B/*0.806A 1.230B/*0.831A	1.169B/*0.782A 1.200B/*0.806A 1.230B/*0.831A		0.816 - 0.152 .4270 0.840 - 0.155 .4353 0.864 - 0.159 .4435			1 1		54 3	UNCH UNCH UNCH
2415 2420 2425	0.949	0.949	1.261B/*0.854A 1.293B/*0.879A	1.261B/*0.854A 1.293B/*0.879A		0.889 - 0.161 .4518 0.914 - 0.165 .4600			4 1		37 + 47 +	3
2430 2435	1.331	1.331	1.331/*0.894 1.358B/*0.929A	1.331/*0.894 1.358B/*0.929A		0.940 - 0.168 .4682 0.966 - 0.171 .4765			3		4 +	1 UNCH
2440 2445	0.983 1.380	0.983 1.380	1.393B/*0.956A 1.426B/*0.980A	1.393B/*0.956A 1.426B/*0.980A		0.993 - 0.173 .4847 1.019 - 0.177 .4929			8 11		7 - 11 +	1 10
2450 2455			1.457B/*1.006A 1.494B/*1.034A	1.457B/*1.006A 1.494B/*1.034A		1.047 - 0.180 .5010 1.075 - 0.182 .5092					54 9	UNCH
2460 2465 2470			1.529B/*1.061A 1.564B/*1.089A 1.599B/*1.120A	1.529B/*1.061A 1.564B/*1.089A 1.599B/*1.120A		1.103 - 0.186 .5172 1.131 - 0.189 .5253 1.160 - 0.192 .5333					1 2 1	UNCH UNCH UNCH
2470 2475 2480			1.634B/*1.120A 1.634B/*1.149A 1.670B/*1.178A	1.634B/*1.149A 1.670B/*1.178A		1.160 - 0.192 .5333 1.190 - 0.195 .5413 1.220 - 0.198 .5493					4 4	UNCH UNCH UNCH
2485 2490			1.706B/*1.207A 1.743B/*1.237A	1.706B/*1.207A 1.743B/*1.237A		1.250 - 0.201 .5571 1.281 - 0.204 .5649					3 1	UNCH UNCH
2495 2500	1 701	 1 701	1.779B/*1.268A 1.813B/*1.296A	1.779B/*1.268A 1.813B/*1.296A		1.312 - 0.207 .5727 1.343 - 0.210 .5803			2		5 37 -	UNCH 2
2505 2515	1.791 	1.791 	1.843B/*1.331A 1.917B/*1.391A 1.958B/*1.426A	1.843B/*1.331A 1.917B/*1.391A 1.958B/*1.426A		1.375 - 0.213 .5880 1.440 - 0.219 .6031 1.473 - 0.222 .6105			3 		7 + 2 1	UNCH UNCH
2520 2525 2530			2.001B/*1.457A 2.035B/*1.490A	2.001B/*1.457A 2.035B/*1.490A		1.506 - 0.226 .6180 1.540 - 0.228 .6253					2 4	UNCH
2535 2550			2.073B/*1.524A 2.201B/1.627A	2.073B/*1.524A 2.201B/1.627A		1.574 - 0.231 .6323 1.678 - 0.240 .6536					2 9	UNCH
2560 2565			2.276B/1.698A 2.317B/1.734A	2.276B/1.698A 2.317B/1.734A		1.749 - 0.246 .6672 1.785 - 0.249 .6740					2 8	UNCH
2590 2595			2.481B/1.922A 2.523B/1.959A 2.617B/1.996A	2.481B/1.922A 2.523B/1.959A 2.617B/1.996A		1.970 - 0.263 .7061 2.008 - 0.266 .7123 2.047 - 0.267 .7184					3 9 10	UNCH UNCH UNCH
2600 2625 2650			2.833B/2.189A 3.056B/2.390A	2.833B/2.189A 3.056B/2.390A		2.242 - 0.280 .7472 2.445 - 0.290 .7738					3 15	UNCH
2675 2700			3.281B/2.597A 3.509B/2.810A	3.281B/2.597A 3.509B/2.810A		2.653 - 0.300 .7979 2.866 - 0.310 .8199					1 15	UNCH
2725 2750	3.555	3.555	3.740B/3.027A 3.973B/3.249A	3.740B/3.027A 3.973B/3.249A		3.084 - 0.317 .8396 3.307 - 0.324 .8572			1		0 -	UNCH
2775 2800	3.677	3.677 	4.209B/3.474A 4.446B/3.703A 4.686B/3.935A	4.209B/3.474A 4.446B/3.703A 4.686B/3.935A		3.533 - 0.329 .8727 3.762 - 0.335 .8866 3.993 - 0.340 .8992			1 1 		4 + 9 + 4	1 1 UNCH
2825 2850 2875	4.268	4.268	4.929B/4.169A 5.172B/4.406A	4.929B/4.169A 5.172B/4.406A		4.228 - 0.343 .9101 4.464 - 0.346 .9197			1		1 + 7	1 UNCH
2900 2925	5.016	5.016	5.415B/4.644A 5.532B/4.883A	5.415B/4.644A 5.532B/4.883A		4.702 - 0.349 .9285 4.941 - 0.352 .9361			2		1 2 +	UNCH 2
2950 2975	5.466	5.466	5.544B/5.124A 5.466/5.366A	5.544B/5.124A 5.466/5.366A		5.182 - 0.354 .9430 5.424 - 0.356 .9491			2		1 3 +	UNCH 1
3025 3050 3075			6.300B/ 6.556B/	6.300B/ 6.556B/		5.911 - 0.359 .9587 6.156 - 0.360 .9628 6.401 - 0.361 .9667					1 3 1	UNCH UNCH UNCH
3100 3125			 7.286B/	 7.286B/		6.648 - 0.361 .9700 6.894 - 0.363 .9726					4 7	UNCH
3150 3175			7.545B/ 7.782B/	7.545B/ 7.782B/		7.141 - 0.363 .9750 7.389 - 0.364 .9775					4	UNCH
3200 3225			8.279B/	8.279B/		7.637 - 0.364 .9792 7.885 - 0.365 .9809 8.133 - 0.366 .9826					1 4 6	UNCH UNCH UNCH
3250 3275 3300			8.777B/ 9.037B/	8.777B/ 9.037B/		8.382 - 0.366 .9836 8.631 - 0.366 .9852					6 2	UNCH
3325 3375						8.880 - 0.367 .9861 9.379 - 0.367 .9879					1 1	UNCH UNCH
3400 3425			10.273B/	10.273B/		9.629 - 0.367 .9887 9.878 - 0.368 .9896					2 2	UNCH
3450 3475 3500			10.533B/	10.533B/		10.128 - 0.368 .9904 10.378 - 0.368 .9905 10.628 - 0.368 .9913					3 1 0	UNCH UNCH UNCH
3525 3550			 11.534B/	 11.534B/		10.878 - 0.368 .9921 11.128 - 0.368 .9922					2	UNCH UNCH
3575 3625						11.378 - 0.368 .9930 11.878 - 0.368 .9938					1 2	UNCH
3650 3675 4000			12.534B/	12.534B/		12.128 - 0.368 .9939 12.378 - 0.368 .9940 15.628 - 0.368 .9966					1 1 1	UNCH UNCH UNCH
TOTAL						13.020 0.300 .3300			1030	600	11407 +	876
APR23	3 					0.002 - 0.001 .0008					3	UNCH
1200 1250 1300						0.003 - 0.001 .0013 0.004 - 0.001 .0018 0.005 UNCH .0023					1 8 18	UNCH UNCH UNCH
1325 1350						0.005 UNCH .0024 0.006 UNCH .0029					3 1	UNCH
1425 1450						0.008 + 0.001 .0040 0.008 + 0.001 .0042					9 9	UNCH UNCH
1475 1500						0.009 + 0.001 .0047 0.010 + 0.001 .0053					2 42	UNCH
1525 1550 1575			0.011B/	0.011B/		0.011 + 0.002 .0059 0.012 + 0.002 .0065 0.014 + 0.002 .0076					5 37 8	UNCH UNCH UNCH
1600 1625	0.016	0.016	0.016/*0.015 0.017B/	0.016/*0.015 0.017B/		0.015 + 0.001 .0083 0.017 + 0.001 .0095			5 		11 + 7	5 UNCH
1650 1675			0.019B/ 0.022B/	0.019B/ 0.022B/		0.020 + 0.002 .0112 0.022 + 0.001 .0124					7 111	UNCH
1700 1725			0.026B/ 0.030B/ 0.035B/	0.026B/ 0.030B/ 0.035B/		0.025 UNCH .0142 0.029 UNCH .0164					62 6	UNCH
1750 1775 1800			0.035B/ 0.042B/ 0.049B/	0.035B/ 0.042B/ 0.049B/		0.033 - 0.001 .0188 0.037 - 0.003 .0212 0.043 - 0.003 .0245					12 9 20	UNCH UNCH UNCH
1825 1850	0.049	0.049	0.056B/0.052A 0.065B/*0.049	0.056B/0.052A 0.065B/*0.049		0.048 - 0.005 .0276 0.055 - 0.006 .0316			2		11 22	UNCH UNCH
1875 1900			0.075B/*0.066A 0.088B/*0.074A	0.075B/*0.066A 0.088B/*0.074A		0.062 - 0.008 .0357 0.071 - 0.010 .0408					11 609	UNCH
1925 1950 1975			0.102B/*0.084A 0.118B/*0.093A 0.137B/*0.106A	0.102B/*0.084A 0.118B/*0.093A 0.137B/*0.106A		0.081 - 0.012 .0465 0.093 - 0.014 .0531 0.107 - 0.016 .0607			1		7 19 11	UNCH UNCH UNCH
2000 2025	0.144	0.144	0.159B/*0.118A 0.186B/*0.140A	0.159B/*0.118A 0.186B/*0.140A		0.123 - 0.018 .0693 0.141 - 0.021 .0789			2		688 + 15	2 UNCH
2050 2075			0.216B/*0.159A 0.251B/*0.184A	0.216B/*0.159A 0.251B/*0.184A		0.163 - 0.024 .0901 0.188 - 0.027 .1025					16 22	UNCH
THE 1	INFORMATTO	ON CONTAINED IN	THE DEPONE TO COMPTH	ED FOR THE CONVENT	TENCE OF THE HEED	AND IS FURNISHED WITHOUT RE	CDONCEDE	. TTV FOR	10011010	V OR CONT	ENT. IT	

## **METALS OPTIONS PRODUCTS**

Side 35

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





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



N/Z				Cus	PRELIMINA	₹Ϋ́°°					
PG64 E	BULLET	IN # 9@		ME	ETALS OPTION P	RODUCTS			Fri,	Jan 13,	2023 PG64
	LOBEX OPEN	OPEN OUTCRY OPEN RANGE	GLOBEX HIGH/LOW	OPEN OUTCRY HIGH/LOW	OPEN OUTCRY CLOSE RANGE	SETT.PRICE & PT.CHGE. DE	EXER	OUTCRY	GLOBEX® VOLUME		OPEN INTEREST
SO PUT APR23 2100 2175 2125 2150 2175 2180 2195 22100 2205 22100 2205 22105 22205 22205 22205 22205 22205 22205 22205 22205 22205 22300 2270 22205 2250 2250 2250 2250 2250 2		OPEN OUTCRY OPEN RANGE  COMEX SILVER OF COMEX	HIGH/LOW  OPTIONS  0.2918/*0.212A 0.3378/*0.244A 0.3898/*0.280A 0.4498/*0.322A 0.4498/*0.322A 0.5028/*0.359A 0.5168/*0.369A 0.5318/*0.379A 0.5168/*0.369A 0.5318/*0.400A 0.5758/*0.411A 0.5898/*0.423A 0.5658/*0.423A 0.7568/*0.423A 0.7668/*0.552A 0.7668/*0.552A 0.7668/*0.552A 0.7668/*0.552A 0.7668/*0.753A 0.7668/*0.753A 0.7668/*0.753A 0.7668/*0.753A 0.7668/*0.753A 1.0748/*0.753A 1.0748/*0.785A 1.1288/*0.865A 1.1268/*0.905A 1.1288/*0.865A 1.1268/*0.905A 1.1288/*0.885A 1.1268/*0.905A 1.1358/*0.971A 1.3358/*0.993A 1.3638/*1.133A 1.5968/*1.260A 1.5988/*1.286A 1.2588/*1.395A 1.2588/*1.395A 1.2588/*1.395A 1.3588/*1.395A 1.3588/*1.286A 1.2588/*1.395A 1.3588/*1.395A 1.3588/*1.286A	OPEN OUTCRY HIGH/LOW  0.291B/*0.212A 0.337B/*0.244A 0.389B/*0.280A 0.449B/*0.322A 0.462B/*0.330A 0.502B/*0.359A 0.516B/*0.390A 0.551B/*0.390A 0.551B/*0.400A 0.575B/*0.411A 0.675B/*0.411A 0.675B/*0.411A 0.675B/*0.411A 0.675B/*0.411A 0.675B/*0.451A 0.710B/*0.510A 0.746B/*0.552A 0.766B/*0.552A 0.766B/*0.552A 0.766B/*0.552A 0.785B/*0.660A 0.935B/*0.660A 0.935B/*0.660A 0.935B/*0.676A 0.935B/*0.676A 1.124B/*0.825A 1.148B/*0.825A 1.148B/*0.825A 1.124B/*0.825A 1.124B/*0.825A 1.125B/*0.9971A 1.076B/*0.971A 1.375B/*0.9971A 1.375B/*0.9971A 1.375B/*0.9971A 1.363B/*1.135A 1.596B/*1.285A 1.498B/*1.085A 1.596B/*1.288A 1.596B/*1.288A 1.596B/*1.288A 1.596B/*1.288A 1.596B/*1.288A 1.596B/*1.288A 1.596B/*1.288A 1.598B/*1.385A	CTALS OPTION P	RODUCTS  SETT.PRICE & PT.CHGE.  0.216 - 0.031 0.249 - 0.036 0.287 - 0.041 0.330 - 0.047 0.340 - 0.048 0.369 - 0.052 0.379 - 0.054 0.390 - 0.055 0.401 - 0.056 0.412 - 0.057 0.423 NEW 0.435 - 0.060 0.442 - 0.057 0.553 - 0.069 0.524 - 0.072 0.553 - 0.075 0.557 - 0.078 0.582 - 0.079 0.613 - 0.087 0.678 - 0.087 0.678 - 0.087 0.678 - 0.091 0.695 NEW 0.731 - 0.097 0.786 - 0.104 0.806 - 0.106 0.825 - 0.108 0.845 - 0.111 0.865 - 0.113 0.866 - 0.106 0.825 - 0.108 0.845 - 0.111 0.865 - 0.113 0.866 - 0.106 0.825 - 0.108 0.845 - 0.111 0.865 - 0.113 0.866 - 0.106 0.825 - 0.108 0.845 - 0.111 0.865 - 0.113 0.866 - 0.106 0.825 - 0.108 0.845 - 0.111 0.865 - 0.113 0.866 - 0.106 0.825 - 0.108 0.845 - 0.111 0.865 - 0.113 0.866 - 0.106 0.825 - 0.108 0.845 - 0.111 0.865 - 0.113 0.866 - 0.106 0.825 - 0.108 0.845 - 0.115 0.907 - 0.115 0.908 - 0.122 0.995 - 0.122 0.990 - 0.213 2.056 NEW 2.230 - 0.226 2.788 - 0.256 3.392 - 0.279 4.030 - 0.299 4.249 - 0.304	LTA CISE  1163 13188 1491 1679 1721 1721 18866 1974 2019 2019 22349 2349 2554 2655 2765 2885 3156 3328 33388 33447 33565 33565 33565 3357 344719 44537 35822 35843 35843 35843 35844 4537 5543 5543 5543 5544 5544 5547 5548 5548 5549 5549 5540	S VOLUME	GLOBEX® VOLUME  1 1 1 1 15	PNT VOLUME	0PEN INTEREST  601
2875 2900 2925 2950 3050 3125 3200		   	4.886B/4.196A 5.116B/4.417A 5.348B/4.641A 5.584B/4.867A 5.816B/5.095A 6.772B/6.025A 7.496B/6.737A 8.172B/7.458A	4.8868/4.196A 5.1168/4.417A 5.348B/4.641A 5.584B/4.867A 5.816B/5.095A 6.772B/6.025A 7.496B/6.737A 8.172B/7.458A	   	4.471 - 0.309 .8 4.695 - 0.314 .8 4.921 - 0.318 .8 5.150 - 0.322 .8 6.080 - 0.335 .9 6.792 - 0.343 .9 7.513 - 0.348 .9	8237 8364 8483 8590 9023 9212 9363 9620	  			1 UNCH 1 UNCH 1 UNCH 1 UNCH 2 UNCH 2 UNCH 2 UNCH 1 UNCH
850 1300 1325	  	  	  	  	  	0.001 UNCH .0 0.009 + 0.001 .0 0.010 + 0.001 .0	0000 0001 0040 0044		49   	0   	1 UNCH 15 UNCH 233 UNCH 1 UNCH 1 UNCH
1400 1475 1500 1525 1550 1575			   		   	0.014 UNCH .( 0.020 + 0.001 .( 0.022 UNCH .( 0.024 UNCH .( 0.027 UNCH .( 0.030 - 0.001 .(	0063 0092 0102 0112 0127 0141 0157		  		1 UNCH 200 UNCH 1000 UNCH 215 UNCH 40 UNCH 19 UNCH 2001 UNCH
1625 1650 1675 1700 1725 1750		  	  0.055B/ 0.063B/ 0.071B/*0.067A	  0.055B/ 0.063B/ 0.071B/*0.067A		0.036 - 0.002 .0 0.040 - 0.003 .0 0.045 - 0.003 .0 0.050 - 0.004 .0 0.056 - 0.004 .0 0.062 - 0.006 .0	0173 0193 0217 0242 0272 0302		2 		102 UNCH 62 UNCH 109 + 2 1004 UNCH 28 UNCH 126 UNCH
1800 1825 1850 1875 1900 1925		  	0.0818/*0.074a 0.0918/*0.082a 0.1048/*0.092a 0.1188/*0.103A 0.1348/*0.114a 0.1538/*0.128a 0.174b/*0.143a 0.1988/*0.161A	0.081B/*0.074A 0.091B/*0.082A 0.104B/*0.092A 0.118B/*0.103A 0.134B/*0.114A 0.153B/*0.128A 0.174B/*0.143A 0.198B/*0.161A		0.078 - 0.008 .0 0.087 - 0.009 .0 0.098 - 0.011 .0 0.110 - 0.012 .0 0.124 - 0.014 .0 0.140 - 0.016 .0	0337 0380 0425 0477 0534 0599 0672				17 UNCH 111 UNCH 9 UNCH 12 UNCH 139 UNCH 35 UNCH 6 UNCH 6 UNCH
1975 2000 0 2075 2100 0 2125 2150 2175 2200 2225		0.260 0.328 	0.2258/*0.181A 0.260/*0.204A 0.3768/*0.290A 0.4268/*0.327A 0.4818/*0.368A 0.5448/*0.414A 0.6138/*0.466A 0.7728/*0.588A 0.8648/*0.658A	0.225B/*0.181A 0.260/*0.204A 0.376B/*0.290A 0.426B/*0.327A 0.481B/*0.368A 0.544B/*0.414A 0.613B/*0.466A 0.638B/*0.524A 0.772B/*0.588A 0.864B/*0.658A	    	0.179 - 0.020 ( 0.202 - 0.023 ( 0.293 - 0.032 0.331 - 0.036 0.374 - 0.041 0.422 - 0.046 0.475 - 0.052 0.535 - 0.058 0.600 - 0.066	0846 0945 1317 1464 1625 1799 1984 2183 2393		1  1  1 		12 UNCH 137 + 1 14 UNCH 19 + 1 5 UNCH 51 + 1 25 UNCH 15 UNCH 15 UNCH 36 UNCH 7 UNCH
2275 2300 2325 2350 1 2375 2400 1 2425 2450 1 2475 2500	277	1.277  1.272  1.583	0.962B/*0.736A 1.069B/*0.821A 1.184B/*0.914A 1.308B/*1.015A 1.437B/*1.122A 1.575B/*1.237A 1.722B/*1.359A 1.874B/*1.489A 2.034B/*1.626A 2.200B/1.770A	0.962B/*0.736A 1.069B/*0.821A 1.184B/*0.914A 1.308B/*1.015A 1.437B/*1.122A 1.575B/*1.237A 1.722B/*1.359A 1.874B/*1.489A 2.034B/*1.626A 2.200B/1.770A	     	0.752 - 0.081	2846 3086 31334 3587 3844 4104 44623 4879 5130		3  1  1		7 UNCH 34 UNCH 3 UNCH 1 - 1 3 UNCH 2 - 1 6 UNCH 5 + 1 6 UNCH 4 UNCH
2550 2575 2600 2 2625 3 2650 2675 2700 2725 2750	.852	2.852 3.025 	2.551B/2.078A 2.737B/2.242A 2.923B/2.412A 3.118B/2.587A 3.313B/2.768A 3.516B/2.954A 3.721B/3.144A 3.931B/3.339A 4.142B/3.538A	2.551B/2.078A 2.737B/2.242A 2.923B/2.412A 3.118B/2.587A 3.313B/2.768A 3.516B/2.954A 3.721B/3.144A 3.931B/3.339A 4.142B/3.538A	    	2.281 - 0.201 . 2.453 - 0.210 . 2.630 - 0.219 . 2.813 - 0.227 . 3.000 - 0.235 . 3.191 - 0.243 . 3.386 - 0.250 . 3.586 - 0.257 .	5612 5842 6063 6479 6674 6859 7034	  	2 2 2 		4 UNCH 5 UNCH 8 UNCH 5 + 2 4 UNCH 3 UNCH 3 UNCH 1 UNCH
2850 2875 2950 2975 3000 3025 3050 3075			4.576B/3.946A 5.021B/4.367A 5.241B/4.581A 5.926B/5.239A 6.156B/5.463A 6.391B/5.688A 6.621B/5.915A 6.856B/6.144A 7.093B/6.373A 7.565B/6.837A	4.576B/3.946A 5.021B/4.367A 5.241B/4.581A 5.926B/5.239A 6.156B/5.463A 6.391B/5.688A 6.621B/5.915A 6.856B/6.144A 7.093B/6.373A 7.565B/6.837A	    	4.417 - 0.281	7509 7783 7783 8244 8341 8434 8521 8603 8679	  			1 UNCH 1 UNCH 1 UNCH 1 UNCH 1 UNCH 3 UNCH 2 UNCH 1 UNCH 5 UNCH
3150 3175 3200 3225 3250 3275 3300 3325			7.805B/7.072A 8.045B/7.307A 8.285B/7.543A 8.255B/7.780A 8.765B/8.018A 9.008B/8.256A 9.252B/8.495A 9.496B/8.735A 9.740B/8.976A	7.805B/7.072A 8.045B/7.307A 8.045B/7.307A 8.285B/7.543A 8.525B/7.780A 8.765B/8.018A 9.008B/8.256A 9.252B/8.495A 9.496B/8.735A 9.740B/8.976A		7.125 - 0.327	8884 8944 9001 9054 9151 9196 9236 9277	  			1 UNCH 2 UNCH 3 UNCH 4 UNCH 2 UNCH 6 UNCH 3 UNCH 8 UNCH 9 UNCH

## **METALS OPTIONS PRODUCTS**

Side 36

## 2023 DAILY INFORMATION BULLETIN - http://www.cmegroup.com/dailybulletin CME Group, Inc. 20 South Wacker Drive, Chicago, Illinois 60606-7499.







PG64	BULLET	IN # 9@		ME	TALS OPTION F				Fri,	Jan 13,	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 PUT	Т	COMEX SILVER OF	PTIONS								
3375 3400 3425 3500 TOTAL			9.984B/9.218A 10.172B/9.459A 10.284B/9.702A /10.440A	9.984B/9.218A 10.172B/9.459A 10.284B/9.702A /10.440A		9.272     -     0.345     .9313       9.514     -     0.346     .9349       9.756     -     0.348     .9382       10.487     -     0.352     .9466			  14	  0	10 UNCH 12 UNCH 2 UNCH 11 UNCH 6014 + 6
JUN23 1600 1675 1700 17750 17750 18750 1875 18800 1825 1850 2000 2050 2050 2100 2250 2300 2425 2425 2475 2500 2475 2500 2675 2700 2752 2750 2750 2800 2825	0.488	0.488 	0.053B/ 0.080B/ 0.089B/*0.083A 0.100B/*0.092A 0.112B/*0.101A 0.125B/*0.112A 0.141B/*0.124A 0.158B/*0.151A 0.198B/*0.151A 0.198B/*0.187A 0.221B/*0.187A 0.248B/*0.207A 0.248B/*0.230A 0.348B/*0.230A 0.348B/*0.388A 0.539B/*0.431A 0.448B/*0.388A 0.539B/*0.431A 0.741B/*0.588A 0.821B/*0.651A 0.908B/*0.720A 1.001B/*0.795A 1.207B/*0.965A 1.704B/*1.383A 1.845B/*1.509A 1.704B/*1.383A 1.845B/*1.636A 2.472B/*2.055A 3.002B/2.529A 3.375B/2.871A 3.565B/3.049A 3.767B/3.232A 3.966B/3.418A 4.171B/3.609A 4.585B/4.002A 4.798B/4.203A	0.053B/ 0.080B/ 0.089B/*0.083A 0.100B/*0.092A 0.112B/*0.101A 0.125B/*0.112A 0.141B/*0.124A 0.158B/*0.137A 0.176B/*0.151A 0.198B/*0.151A 0.198B/*0.169A 0.221B/*0.187A 0.248B/*0.207A 0.248B/*0.207A 0.278B/*0.330A 0.348B/*0.284A 0.434B/*0.350A 0.448B/*0.350A 0.448B/*0.350A 0.448B/*0.750A 0.448B/*0.368A 0.539B/*0.720A 1.001B/*0.965A 1.704B/*1.383A 1.845B/*1.509A 1.207B/*0.965A 1.704B/*1.366A 2.147B/*1.769A 2.472B/*2.055A 3.002B/2.529A 3.75B/2.871A 3.565B/3.049A 3.767B/3.232A 3.966B/3.418A 4.171B/3.609A 4.585B/4.003A		0.052 UNCH .0217 0.072 - 0.003 .0300 0.080 - 0.004 .0333 0.089 - 0.006 .0370 0.099 - 0.007 .0411 0.110 - 0.009 .0456 0.122 - 0.011 .0505 0.136 - 0.012 .0560 0.151 - 0.014 .0619 0.168 - 0.015 .0685 0.207 - 0.019 .0834 0.230 - 0.022 .0920 0.285 - 0.027 .1118 0.353 - 0.034 .1351 0.393 NEW .1483 0.437 - 0.042 .1623 0.599 - 0.057 .2106 0.664 - 0.062 .2285 0.734 - 0.069 .2473 0.810 - 0.069 .2473 0.810 - 0.069 .2433 0.810 - 0.076 .2668 0.982 NEW .3080 1.405 - 0.124 .3956 1.527 NEW .4179 1.656 - 0.142 .4402 1.792 - 0.150 .4624 2.082 - 0.167 .5056 2.562 - 0.191 .5666 2.907 - 0.207 .6042 2.082 - 0.167 .5056 2.562 - 0.191 .5666 2.907 - 0.207 .6042 3.087 - 0.224 .6223 3.271 - 0.220 .6391 3.459 - 0.227 .6555 3.651 - 0.233 .6712 4.044 - 0.246 .7006			16 9 9	400	100 UNCH 1 UNCH 3 UNCH 2 UNCH 1 UNCH 3 UNCH 6 UNCH 3 UNCH 2 UNCH 5 UNCH 1 UNCH 57 UNCH 416 + 394 10 UNCH 16 + 16 9 + 8 2 UNCH 3 UNCH 2 UNCH 2 UNCH 3 UNCH 4 UNCH 4 UNCH 2 UNCH 4 UNCH 2 UNCH 4 UNCH 2 UNCH 4 UNCH 4 UNCH 2 UNCH 4 UNCH 4 UNCH 2 UNCH 4 UNCH
3175 TOTAL JUL23			7.954B/7.252A	7.954B/7.252A		7.300 - 0.309 .8502 0.003 UNCH .0008			60	400	2 UNCH 714 + 452
725 1050 1100						$ \begin{array}{rrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrr$					263 UNCH 157 UNCH 1 UNCH 9 UNCH
1200 1400 1500						0.020 + 0.001 .0068 0.035 UNCH .0130 0.052 - 0.002 .0195 0.058 - 0.002 .0217					9 UNCH 102 UNCH 2 UNCH 6 UNCH
1525 1550 1600						0.064 - 0.003 .0239 0.079 - 0.004 .0294 0.087 - 0.006 .0324					2 UNCH 40 UNCH 42 UNCH
1625 1650 1675 1700			/*0.102A 0.115B/*0.113A 0.128B/*0.124A	/*0.102A 0.115B/*0.113A 0.128B/*0.124A		0.096 - 0.007 .0358 0.106 - 0.008 .0394 0.117 - 0.009 .0434					42 UNCH 171 UNCH 148 UNCH
1725 1750			0.143B/*0.137A 0.160B/*0.149A	0.128B/*0.124A 0.143B/*0.137A 0.160B/*0.149A 0.198B/*0.180A		0.129 - 0.011 .0434 0.129 - 0.011 .0527 0.143 - 0.015 .0636					2 UNCH 52 UNCH 26 UNCH
1800 1825 1850			0.198B/*0.180A 0.221B/*0.198A 0.246B/*0.218A 0.273B/*0.239A	0.221B/*0.198A 0.246B/*0.218A		0.192 - 0.016 .0698 0.213 - 0.017 .0768 0.235 - 0.019 .0842					10 UNCH 132 UNCH 14 UNCH
1875 1900 1950 2000	0.405	0.405	0.303B/*0.262A 0.373B/*0.318A 0.458B/*0.384A	0.273B/*0.239A 0.303B/*0.262A 0.373B/*0.318A 0.458B/*0.384A		0.260 - 0.021 .0923 0.317 - 0.025 .1104 0.386 - 0.031 .1314			  2		4 UNCH 20 UNCH 152 UNCH
2050 2050 2075 2100			0.560B/*0.465A 0.618B/*0.511A 0.683B/*0.562A	0.560B/*0.465A 0.618B/*0.511A 0.683B/*0.562A		0.469 - 0.038 .1555 0.517 - 0.042 .1688 0.569 - 0.047 .1828					140 UNCH 1 UNCH 48 UNCH
2150 2150 2200 2225			0.826B/*0.678A 0.994B/*0.814A 1.086B/*0.891A	0.826B/*0.678A 0.994B/*0.814A 1.086B/*0.891A		0.687 - 0.058 .2131 0.826 - 0.070 .2464 0.904 - 0.076 .2640					41 UNCH 103 UNCH 8 UNCH
2300 2325 2350			1.401B/*1.157A 1.520B/*1.258A 1.643B/*1.366A	1.401B/*1.157A 1.520B/*1.258A 1.643B/*1.366A		1.172 - 0.097 .3198 1.274 - 0.104 .3393 1.382 - 0.111 .3589					101 UNCH 7 UNCH 8 UNCH
2400 2475 2500			1.911B/*1.599A 2.355B/*1.993A 2.515B/*2.134A	1.911B/*1.599A 2.355B/*1.993A 2.515B/*2.134A		1.616 - 0.126 .3987 2.011 - 0.148 .4581 2.154 - 0.155 .4774			7 		102 UNCH 61 + 7 63 UNCH
2600 2650 2700			3.199B/2.754A 3.568B/3.092A 3.952B/3.449A	3.199B/2.754A 3.568B/3.092A 3.952B/3.449A		2.780 - 0.183 .5508 3.122 - 0.196 .5846 3.480 - 0.208 .6162					26 UNCH 1 UNCH 1 UNCH
2825 3150 3200			4.962B/4.402A 7.828B/7.166A 8.289B/7.616A	4.962B/4.402A 7.828B/7.166A 8.289B/7.616A		4.438 - 0.235 .6856 7.208 - 0.290 .8109 7.658 - 0.296 .8247					1 UNCH 1 UNCH 1 UNCH
3300 3400 3425			9.222B/8.529A 10.164B/9.458A 10.404B/9.692A	9.222B/8.529A 10.164B/9.458A 10.404B/9.692A		8.572 - 0.307 .8491 9.500 - 0.316 .8695 9.734 - 0.319 .8741					2 UNCH 1 UNCH 1 UNCH
3475 3500 3525			10.881B/10.162A 11.120B/10.399A 11.361B/10.635A	10.881B/10.162A 11.120B/10.399A 11.361B/10.635A		10.205 - 0.322 .8828 10.441 - 0.324 .8868 10.678 - 0.326 .8907					1 UNCH 1 UNCH 2 UNCH
3550 3575 3600			11.601B/10.873A 11.842B/11.111A 12.082B/11.349A	11.601B/10.873A 11.842B/11.111A 12.082B/11.349A		10.916 - 0.327 .8944 11.154 - 0.329 .8980 11.393 - 0.331 .9014					1 UNCH 2 UNCH 3 UNCH
3625 3650 3675			12.327B/11.589A 12.567B/11.828A 12.810B/12.069A	12.327B/11.589A 12.567B/11.828A 12.810B/12.069A		11.632 - 0.333 .9047 11.872 - 0.334 .9081 12.112 - 0.336 .9111					2 UNCH 5 UNCH 3 UNCH
3700 3725 TOTAL			13.055B/12.309A 13.296B/12.551A	13.055B/12.309A 13.296B/12.551A		12.353 - 0.337 .9139 12.594 - 0.339 .9168			 9		5 UNCH 2 UNCH 2142 + 7
SEP23 1400						0.063 - 0.001 .0198					300 UNCH
1550 1650 1750			0.175B/*0.171A 0.258B/*0.242A	0.175B/*0.171A 0.258B/*0.242A		0.112 - 0.005 .0348 0.163 - 0.010 .0499 0.234 - 0.015 .0703					5 UNCH 100 UNCH 1 UNCH
1800 1825 2050			0.311B/*0.287A 0.342B/*0.312A 0.763B/*0.663A	0.311B/*0.287A 0.342B/*0.312A 0.763B/*0.663A		0.280 - 0.018 .0829 0.306 - 0.019 .0899 0.663 - 0.045 .1764			22		100 UNCH 19 UNCH 44 + 20
2100 2125 2150			0.901B/*0.780A 0.978B/*0.845A 1.060B/*0.914A	0.901B/*0.780A 0.978B/*0.845A 1.060B/*0.914A		0.781 - 0.053 .2017 0.846 - 0.058 .2151 0.916 - 0.063 .2290					100 UNCH 12 UNCH 4 UNCH
2175 2200 2250			1.147B/*0.988A 1.240B/*1.067A 1.437B/*1.240A	1.147B/*0.988A 1.240B/*1.067A 1.437B/*1.240A		0.991 - 0.068 .2435 1.070 - 0.073 .2583 1.244 - 0.084 .2891			22		8 UNCH 3 UNCH 44 + 20
2300 2425 2450			1.659B/*1.437A 2.307B/*2.009A 2.452B/*2.139A	1.659B/*1.437A 2.307B/*2.009A 2.452B/*2.139A		1.439 - 0.095 .3211 2.019 - 0.124 .4039 2.150 - 0.131 .4205					1 UNCH 4 UNCH 60 UNCH
2675 2750 2800			3.948B/3.509A 4.511B/4.038A 4.901B/4.406A	3.948B/3.509A 4.511B/4.038A 4.901B/4.406A		3.535 - 0.186 .5590 4.066 - 0.202 .5989 4.437 - 0.211 .6236					10 UNCH 1 UNCH 15 UNCH
2850 3500 4000			5.301B/4.786A 11.070B/10.391A 15.855B/15.120A	5.301B/4.786A 11.070B/10.391A 15.855B/15.120A		4.818 - 0.221 .6467 10.431 - 0.302 .8372 15.163 - 0.336 .9023			 		1 UNCH 3 UNCH 2 UNCH
TOTAL DEC23 1000						0.030 + 0.002 .0074			44	0	837 + 40 1 UNCH
1000 1350 1375 1500			  /*0.183A	  /*0.183A		0.112 - 0.001 .0074 0.112 - 0.001 .0277 0.122 - 0.001 .0302 0.181 - 0.005 .0445					1 UNCH 1 UNCH 1 UNCH 1 UNCH
1600 1600 1800 1825			/*0.183A /*0.249A 0.478B/*0.455A 0.518B/*0.490A	/*0.249A 0.478B/*0.455A 0.518B/*0.490A		0.161 - 0.003 .0443 0.246 - 0.008 .0599 0.447 - 0.021 .1045 0.481 - 0.023 .1116					101 UNCH 101 UNCH 17 UNCH 5 UNCH
1850 2000 2025	0.889	0.889	0.562B/*0.528A 0.890B/*0.814A 0.958B/*0.874A	0.562B/*0.528A 0.890B/*0.814A 0.958B/*0.874A		0.518 - 0.026 .1192 0.803 - 0.043 .1734 0.863 NEW .1839			 10		100 UNCH 61 UNCH 10 + 10
						AND IS EURNISHED WITHOUT PE					

# **METALS OPTIONS PRODUCTS**

Side 37

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







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

V	

PG6	4 BULLET	IN # 9@		ME	TALS OPTION PR	ODUCTS		OBEN	Fri,	Jan 13,	2023 F	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		O INTER	PEN REST
SO P		COMEX SILVER OP										
2100 2200 2225	)		1.186B/*1.074A 1.551B/*1.397A 1.648B/*1.488A	1.186B/*1.074A 1.551B/*1.397A 1.648B/*1.488A		1.065 - 0.057 .2174 1.392 - 0.073 .2666 1.484 - 0.078 .2795					1 25 20	UNCH UNCH UNCH
2275 2375	 5		1.866B/*1.684A 2.357B/*2.133A	1.866B/*1.684A 2.357B/*2.133A		1.681 - 0.088 .3059 2.127 - 0.108 .3600					1 100	UNCH UNCH
2400 2425	) 5		2.492B/*2.255A 2.629B/*2.381A 2.917B/*2.645A	2.492B/*2.255A 2.629B/*2.381A 2.917B/*2.645A		2.250 - 0.112 .3736 2.376 - 0.118 .3873 2.642 - 0.127 .4144					8 7 50	UNCH UNCH UNCH
2475 2500 2525	)		3.067B/*2.783A 3.221B/*2.925A	3.067B/*2.783A 3.221B/*2.925A		2.780 - 0.133 .4279 2.923 - 0.138 .4413					7 6	UNCH
3000 3275	) 5		6.707B/6.228A 9.045B/*8.497A	6.707B/6.228A 9.045B/*8.497A		6.243 - 0.221 .6475 8.518 - 0.252 .7270			 10	 0	13 15 551 +	UNCH UNCH 10
TOTA									10	U		10
1800 TOT <i>A</i>						0.621 - 0.044 .1173				0	12 12	UNCH 0
FEB2		SILVER OPTIONS										
2390 2400 2440	)		0.924B/0.580A #0.936B/0.540A #0.720B/0.398A	0.924B/0.580A #0.936B/0.540A #0.720B/0.398A		0.967 + 0.202 .6210 0.908 + 0.193 .5988 0.697 + 0.157 .5078			10 		12 + 1 2	10 UNCH UNCH
2445 2465	0.430	0.430	#0.696B/0.383A #0.605B/0.327A	#0.696B/0.383A #0.605B/0.327A		0.674 + 0.153 .4964 0.585 NEW .4510			6		7 6 +	UNCH 6
2480 2485	0.389	0.416 0.389 0.254	#0.543B/0.291A #0.524B/0.280A #0.469B/0.249A	#0.543B/0.291A #0.524B/0.280A #0.469B/0.249A		0.525 NEW .4178 0.506 NEW .4069 0.452 + 0.107 .3749			10 11 10		10 + 11 + 8 +	10 11 2
2500 2550 2575	)		0.322B/*0.167A 0.264B/*0.137A	0.322B/*0.167A 0.264B/*0.137A		0.309 + 0.076 .2790 0.255 + 0.064 .2382					200 11	UNCH UNCH
2600 2625	5	0.148	0.216B/*0.113A 0.177B/*0.093A 0.119B/*0.066A	0.216B/*0.113A 0.177B/*0.093A 0.119B/*0.066A		0.209 + 0.052 .2017 0.172 + 0.043 .1704 0.117 + 0.029 .1207			2 		2 1 22	UNCH UNCH UNCH
2675 2700 TOTA	)		0.098B/*0.056A	0.098B/*0.056A		0.117 + 0.029 .1207 0.097 + 0.024 .1015			49		23 316 +	UNCH 39
SO1 FEB2	PUT	SILVER OPTIONS										
2125 2150	5 )		0.063B/*0.037A 0.084B/*0.047A	0.063B/*0.037A 0.084B/*0.047A		0.037 - 0.019 .0403 0.048 - 0.024 .0517					2	UNCH UNCH
2175 2255 2275	0.232	0.232	0.113B/*0.059A #0.267B/*0.135A 0.324B/*0.164A	0.113B/*0.059A #0.267B/*0.135A 0.324B/*0.164A		0.062 - 0.031 .0658 0.144 NEW .1402 0.176 - 0.075 .1665			 4		2 4 + 1	UNCH 4 UNCH
2280 2300	0.297 0.395	0.297 0.395	#0.340B/*0.172A 0.408B/*0.209A	#0.340B/*0.172A 0.408B/*0.209A		0.184 NEW .1732 0.224 - 0.092 .2040			2 110		2 + 400 +	2 95
2310 2315 2320	5		0.445B/*0.230A 0.465B/*0.241A 0.486B/*0.253A	0.445B/*0.230A 0.465B/*0.241A 0.486B/*0.253A		0.246 - 0.099 .2204 0.258 - 0.102 .2291 0.270 - 0.107 .2377					14 10 20	UNCH UNCH UNCH
2335 2365	 		0.549B/*0.291A 0.694B/*0.384A	0.549B/*0.291A 0.694B/*0.384A		0.310 - 0.118 .2653 0.403 - 0.143 .3250					7 12	UNCH UNCH
2390 2400 2405	)		0.834B/*0.474A 0.894B/*0.515A 0.924B/*0.536A	0.834B/*0.474A 0.894B/*0.515A 0.924B/*0.536A		0.496 - 0.165 .3788 0.537 - 0.174 .4010 0.559 - 0.178 .4123			10 		12 + 7 3	10 UNCH UNCH
2450 TOTA	) 1.170	1.170	1.224B/*0.751A	1.224B/*0.751A		0.778 - 0.219 .5149			1 127	0	2 500 +	UNCH 111
SO2 JAN2	CALL !3	SILVER OPTIONS										
2175 2225 2250	5					2.622 + 0.367 2.122 + 0.367 1.872 + 0.367	1 2 3				0 - 0 - 0 -	1 2 3
2275 2300	; )					1.622 + 0.366 1.372 + 0.362	8 1				0 -	8 1
2320 2325 2330	5		 /0.399A /0.414A	/0.399A /0.414A		1.172 + 0.354 1.122 + 0.352 1.072 + 0.348	1 4 1				0 - 0 - 0 -	1 4 1
2335 2340	5		/0.374A /0.336A	/0.374A /0.336A		1.022 + 0.344 0.972 + 0.340	5 1				0 - 0 -	5 1
2345 2350 2355	)		/0.303A 0.592B/*0.207A /*0.179A	/0.303A 0.592B/*0.207A /*0.179A		0.922 + 0.334 0.872 + 0.328 0.822 + 0.320	2 21 7				0 - 0 - 0 -	2 21 7
2360 2365	) 5		/*0.147A /*0.122A	/*0.147A /*0.122A		0.772 + 0.311 0.722 + 0.301	7 2				0 -	7 7 2
2370 2375 2380	0.123	0.123 0.090	/*0.099A 0.474B/*0.082A 0.495B/*0.066A	/*0.099A 0.474B/*0.082A 0.495B/*0.066A		0.672 + 0.289 0.622 + 0.276 0.572 + 0.260	3 15 13		15 52		0 - 0 - 0 -	3 3 41
2385 2390	0.139	0.139	0.449B/*0.051A 0.415/*0.040A	0.449B/*0.051A 0.415/*0.040A		0.522 + 0.243 0.472 + 0.223	2 30		2		0 -	2 30 78
2395 2400 2405	0.101	0.155 0.101 0.048	0.353B/*0.032A 0.321B/*0.025 0.262B/*0.021A	0.353B/*0.032A 0.321B/*0.025 0.262B/*0.021A		0.422 + 0.202 0.372 + 0.178 0.322 + 0.152	78 55 14		142 8		0 - 0 - 0 -	78 142 14
2410 2415	0.055	0.055	0.218B/*0.017A 0.177B/*0.014A	0.218B/*0.017A 0.177B/*0.014A		0.272 + 0.124 0.222 + 0.093	16 1		1 2		0 - 0 -	15 1
2420 2425 2430	0.065	0.064 0.065 0.008	0.137B/*0.012A 0.136B/*0.010 0.086B/*0.008	0.137B/*0.012A 0.136B/*0.010 0.086B/*0.008		0.172 + 0.061 0.122 + 0.026 0.072 - 0.010	26 221 27		16 142 6		0 - 0 - 0 -	34 228 29
2435 2440	0.021	0.021	/*0.007A 0.021/*0.003 0.011/*0.003A	/*0.007A 0.021/*0.003 0.011/*0.003A		0.022 - 0.048 0.000 - 0.060	100		 7 1		0 - 0 -	100 12
2445 2450 2455	0.013	0.011 0.013	0.015/*0.003A /*0.003A	0.015/*0.003A /*0.003A		0.000 - 0.051 0.000 - 0.043 0.000 - 0.037			23		0 - 0 -	UNCH 149 10
2460 2465 2470	0.008	0.008  0.012	0.008/*0.003A /*0.003A 0.012/*0.003	0.008/*0.003A /*0.003A 0.012/*0.003		0.000 - 0.031 0.000 - 0.026 0.000 - 0.022			 22		0 - 0 - 0 -	20 13 23
2475 2480	0.012	0.012	0.012/*0.003A /*0.003A	0.012/*0.003A /*0.003A		0.000 - 0.019 0.000 - 0.016			7		0 - 0 -	24 11
2485 2490 2495	)		/*0.003A /*0.003A /*0.003A	/*0.003A /*0.003A /*0.003A		0.000 - 0.013 0.000 - 0.011 0.000 - 0.009					0 - 0 - 0 -	2 14 7
2500 2505	0.001	0.001	/*0.003A 0.001/*0.001	/*0.003A 0.001/*0.001		0.000 - 0.008 0.000 - 0.007			2		0 -	83 13
2510 2520 2525	)		/*0.003A /*0.003A 	/*0.003A /*0.003A 		0.000 - 0.006 0.000 - 0.004 0.000 - 0.003					0 - 0 - 0 -	4 6 20
2550 2575	) 5					0.000 - 0.001 0.000 - 0.001					0 -	135 13
2600 2625 2650	5					$egin{array}{cccccccccccccccccccccccccccccccccccc$					0 - 0 - 0 -	32 1 5
2675 2700	)					0.000 - 0.001 0.000 - 0.001					0 - 0 - 0 -	17 15 2
2725 2750 2775	)					0.000 - 0.001 0.000 - 0.001					0 - 0 -	30 27
2800 2850	)					0.000 - 0.001 0.000 - 0.001			 454	 0	0 - 0 - 0 -	34 1 1509
SO2	PUT	SILVER OPTIONS							7.74	J	0 -	1303
JAN2 1875 2000	5					0.000 - 0.001 0.000 - 0.001					0 - 0 -	15 16
2025 2050	)					0.000 - 0.001 0.000 - 0.001					0 - 0 -	9 1
2075 2100 2125	)					$egin{array}{cccccccccccccccccccccccccccccccccccc$					0 - 0 - 0 -	24 36 20
2150 2175	) 5					0.000 - 0.001 0.000 - 0.001					0 - 0 -	18 22
2200 2220 2225	)					0.000 - 0.001 0.000 - 0.001 0.000 - 0.001					0 - 0 - 0 -	27 11 22
2230 2250	) )					0.000 - 0.001 0.000 - 0.001					0 - 0 -	3 26
2260 2265 2270	5					0.000 - 0.001 0.000 - 0.001 0.000 - 0.002					0 - 0 - 0 -	9 10 15
2275	5					0.000 - 0.002 ND IS FURNISHED WITHOUT RE					0 -	25

# **METALS OPTIONS PRODUCTS**

64 Side 38

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





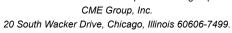
20 South Wacker Drive, Chicago, Illinois 60606-7499.
Customer Service: (312) 930-1000 PRELIMINARY

					PRELIMINA	X I						
PG	64 BULLET	IN # 9@		M	ETALS OPTION P	RODUCTS			OPEN	-		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	OUTCRY VOLUME	GLOBEX® VOLUME	PNT VOLUME	OPEN INTEREST
SO2 JAN	PUT	SILVER OPTIONS										
228 228	0					0.000 - 0.003 0.000 - 0.003						0 - 1 0 - 21
229 229	0		/*0.003A /*0.003A	/*0.003A /*0.003A		0.000 - 0.004 0.000 - 0.005	5					0 - 9 0 - 14
230 231 231	0	0.004 	0.004/*0.003A /*0.003A /*0.003A	0.004/*0.003A /*0.003A /*0.003A		0.000 - 0.006 0.000 - 0.009 0.000 - 0.011	9			1 		0 - 390 0 - 5 0 - 8
232 232	0 5 0.007	0.007	/*0.003A 0.017B/*0.003A	/*0.003A 0.017B/*0.003A		0.000 - 0.014 0.000 - 0.016	1 5			20		0 - 1 0 - 34
233 233 234	5	0.014	0.023B/*0.003A 0.032B/*0.003A 0.042B/*0.003A	0.023B/*0.003A 0.032B/*0.003A 0.042B/*0.003A		0.000 - 0.020 0.000 - 0.024 0.000 - 0.028	1			5 		0 - 32 0 - 3 0 - 11
234 235	5 0 0.040	0.040	0.055B/*0.003A 0.073/*0.001	0.055B/*0.003A 0.073/*0.001		0.000 - 0.034 0.000 - 0.040	1 )			22		0 - 12 0 - 58
235 236	0 0.058	0.007 0.058 0.130	0.088B/*0.002 0.109B/*0.003A 0.134B/*0.003A	0.088B/*0.002 0.109B/*0.003A 0.134B/*0.003A		0.000 - 0.048 0.000 - 0.057 0.000 - 0.067	7			2 2 6		0 - 2 0 - 12 0 - 7
236 237 237	0 0.128	0.128 0.128	0.165B/*0.003A 0.197B/*0.003A	0.165B/*0.003A 0.197B/*0.003A		0.000 - 0.079 0.000 - 0.092	) 2			2 2		0 - 21 0 - 59
238 238 239	5	0.134	0.215B/*0.003A 0.221B/*0.003A 0.250B/*0.003A	0.215B/*0.003A 0.221B/*0.003A 0.250B/*0.003A		0.000 - 0.108 0.000 - 0.125 0.000 - 0.145	5			 		0 - 13 0 - 4 0 - 52
239 240	5 0.068 0 0.186	0.068 0.186	0.295B/*0.003A 0.394B/*0.003A	0.295B/*0.003A 0.394B/*0.003A		0.000 - 0.166 0.000 - 0.190	)			71 16		0 - 11 0 - 10
240 241 241	0	0.020  0.052	0.381B/*0.003 0.400B/*0.003A 0.431B/*0.003	0.381B/*0.003 0.400B/*0.003A 0.431B/*0.003		0.000 - 0.216 0.000 - 0.244 0.000 NEW	1			 4		0 - 31 0 - 13 0 UNCH
241 242 242	0 0.111	0.111 0.076	0.446B/*0.003 0.585B/*0.003A	0.446B/*0.003 0.585B/*0.003A		0.000 - 0.307 0.000 - 0.342	7			12 1		0 - 22 0 - 6
243 243	5	0.006	0.444B/*0.003A 0.456B/*0.003A /*0.022A	0.444B/*0.003A 0.456B/*0.003A /*0.022A		0.000 - 0.378 0.000 - 0.416 0.028 - 0.428	5			<u>-</u> 1		0 - 4 0 - 3 0 - 1
244 244 245	5	0.533	/*0.116A 0.709B/*0.101A	/*0.116A 0.709в/*0.101A		0.078 - 0.419 0.128 - 0.411	9	1 15		<del>-</del> 5		0 - 1 0 - 14
245 247	0		/*0.315A  /0.682A	/*0.315A  /0.682A		0.178 - 0.405 0.328 - 0.390 0.378 - 0.387	)	1 6 2				0 - 1 0 - 6 0 - 2
247 248 248	0 5					0.428 - 0.384 0.478 - 0.381	1	3 20				0 - 3 0 - 20
250 251	0 1.200 5	1.200	1.200/1.190	1.200/1.190 		0.628 - 0.376 0.778 - 0.373 0.878 - 0.371	3	9 3 2		7 		0 - 9 0 - 3 0 - 2
252 257 260	5					1.378 - 0.369 1.628 - 0.369	9	3 3				0 - 2 0 - 3 0 - 3
T0T S03	AL CALL	SILVER OPTIONS								188	0	0 - 1246
JAN 215	23 0					2.874 + 0.365						2 UNCH
220 234 235	5	 0.550	/1.653A 0.994B/0.483A 1.011B/0.455A	/1.653A 0.994B/0.483A 1.011B/0.455A		2.378 + 0.359 1.009 + 0.269 0.967 + 0.262	.8513			 16		1 UNCH 1 UNCH 6 + 4
235 236	5		0.909B/0.431A 0.868B/0.405A	0.909B/0.431A 0.868B/0.405A		0.925 + 0.255 0.885 + 0.248	.8251 3 .8105					2 UNCH 2 UNCH
237 238 238	0 0.445	0.472 0.445 	0.809B/0.335A 0.709B/0.314A 0.728B/0.292A	0.809B/0.335A 0.709B/0.314A 0.728B/0.292A		0.769 NEW 0.732 + 0.217 0.696 + 0.209	7 .7458			2 2		2 + 2 7 UNCH 2 UNCH
239 239	0 0.393	0.393	0.691B/0.272A 0.655B/0.254A	0.691B/0.272A 0.655B/0.254A		0.661 NEW 0.627 + 0.193	.6889					2 + 2 12 UNCH
240 240 241	5	0.353 	0.627B/0.236A 0.590B/0.219A 0.557B/0.205A	0.627B/0.236A 0.590B/0.219A 0.557B/0.205A		0.593 + 0.184 0.561 + 0.177 0.530 + 0.169	7 .6484			6 		171 + 3 1 UNCH 4 UNCH
242 243	0	0.146 0.373	0.500B/*0.178A 0.441B/*0.146 0.415B/*0.141A	0.500B/*0.178A 0.441B/*0.146 0.415B/*0.141A		0.471 + 0.154 0.416 + 0.139 0.390 + 0.131	1 .5839 9 .5395			20		9 UNCH 2 + 1
243 244 245	0 0.144	0.373 0.144 0.129	0.389B/*0.132A 0.340B/*0.113A	0.389B/*0.132A 0.340B/*0.113A		0.365 NEW 0.320 + 0.110	v .4946			14 1 55		$\begin{array}{cccccccccccccccccccccccccccccccccccc$
246 246	5	0.106 	0.298B/*0.097A 0.277B/*0.091A 0.258B/*0.084A	0.298B/*0.097A 0.277B/*0.091A 0.258B/*0.084A		0.278 + 0.095 0.259 + 0.089 0.241 + 0.082	3851			10 		10 - 1 15 UNCH 18 UNCH
247 247 248	5 0.200	0.200 0.164	0.240B/*0.078A 0.229/*0.073A	0.240B/*0.078A 0.229/*0.073A		0.225 + 0.077 0.209 + 0.071	7 .3443			334 22		292 + 267 43 + 22
248 249	0 0.091	0.091 0.059	0.207B/*0.068A 0.192B/*0.064A 0.166/*0.055A	0.207B/*0.068A 0.192B/*0.064A 0.166/*0.055A		0.194 + 0.066 0.180 NEW 0.155 + 0.052	v .2872			1 116		4 UNCH 1 + 1 117 + 108
250 251 251	0		0.141B/*0.048A 0.131B/*0.045A	0.141B/*0.048A 0.131B/*0.045A		0.133 + 0.044 0.124 + 0.041	.2212					6 UNCH 10 UNCH
252 252	5 0.040	0.040	0.121B/*0.043A 0.112B/*0.040 0.076B/*0.029A	0.121B/*0.043A 0.112B/*0.040 0.076B/*0.029A		0.115 + 0.038 0.106 + 0.034 0.073 + 0.023	1 .1802			10		13 UNCH 20 - 7 180 UNCH
255 257 260	0.028 0	0.028	0.052B/*0.022A 0.037B/*0.017A	0.052B/*0.022A 0.037B/*0.017A		0.050 + 0.015 0.035 + 0.010	.0874 .0608			1		22 UNCH 1 UNCH
262 265 267	0	0.026 	0.026/*0.014A 0.016B/0.011A /0.009A	0.026/*0.014A 0.016B/0.011A /0.009A		0.025 + 0.006 0.018 + 0.004 0.013 + 0.002	1 .0300			<u>-</u> 1		12 + 1 12 UNCH 4 + 1
270 272	0 5		/0.007A /0.006A	/0.007A /0.006A		0.009 UNCH 0.007 UNCH	1 .0143 1 .0107					35 UNCH 20 UNCH
275 277 280	5					0.005 - 0.001 0.004 - 0.001 0.003 - 0.001	L .0057					31 UNCH 18 UNCH 10 UNCH
TOT		SILVER OPTIONS								614	0	1436 + 461
JAN 205	23 0					0.001 UNCH						1 UNCH
207 210 212	0	 0.005	 0.005/*0.005	 0.005/*0.005		0.001 - 0.001 0.001 - 0.002 0.002 - 0.002	.0013			 2		42 UNCH 43 UNCH 8 + 2
215 217	0	0.021	/*0.006A /*0.008A 0.021/*0.010A	/*0.006A /*0.008A 0.021/*0.010A		0.003 - 0.004 0.005 - 0.006 0.007 - 0.010	1 .0044			  4		19 UNCH 19 UNCH
220 222 224	5	0.021 	0.033B/*0.014A 0.050B/*0.017A	0.033B/*0.014A 0.050B/*0.017A		0.007 - 0.010 0.011 - 0.015 0.015 NEW	.0182			 1		3 UNCH 21 UNCH 1 + 1
225 226	5 0.027	0.027	0.055B/*0.018A 0.074B/*0.022A 0.083B/*0.024A	0.055B/*0.018A 0.074B/*0.022A 0.083B/*0.024A		0.016 - 0.023 0.021 - 0.030 0.023 - 0.032	.0364			1 3 		6 + 1 3 UNCH 6 UNCH
227 227 228	5		0.091B/*0.025A 0.099B/*0.027A	0.091B/*0.025A 0.099B/*0.027A		0.025 - 0.035 0.027 - 0.038	.0436 3 .0474					28 UNCH 9 UNCH
228 229 229	0 0.047	0.047	0.109B/*0.029A 0.119B/*0.025 0.131B/*0.034A	0.109B/*0.029A 0.119B/*0.025 0.131B/*0.034A		0.030 - 0.041 0.033 - 0.044 0.036 - 0.048	1 .0578			6		3 UNCH 5 + 2 8 UNCH
230 230	0 5 0.139	0.139	0.143B/*0.037A 0.156B/*0.041A	0.143B/*0.037A 0.156B/*0.041A		0.039 - 0.052 0.043 NEW	2 .0686 v .0754			1		7 + 1 3 + 3
231 231 232	5	 0.048	0.170B/*0.044A 0.184B/*0.048A 0.200B/*0.048	0.170B/*0.044A 0.184B/*0.048A 0.200B/*0.048		0.047 - 0.060 0.051 - 0.065 0.056 NEW	.0894			 3		14 UNCH 8 UNCH 3 + 3
233 233	0 0.170	0.170	0.235B/*0.061A 0.253B/*0.067A	0.235B/*0.061A 0.253B/*0.067A		0.067 NEW 0.073 - 0.087	v .1161 7 .1261			10		10 + 10 13 UNCH
234 234 235	5	0.193  0.192	0.273B/*0.073A 0.294B/*0.079A 0.317B/*0.086A	0.273B/*0.073A 0.294B/*0.079A 0.317B/*0.086A		0.080 - 0.092 0.087 - 0.099 0.095 - 0.106	.1486			20  115		18 + 17 4 UNCH 120 + 109
236 236	0 0.106	0.106	0.365B/*0.103A 0.390B/*0.112A 0.417B/*0.122A	0.365B/*0.103A 0.390B/*0.112A 0.417B/*0.122A		0.114 - 0.120 0.124 - 0.127	0 .1894 7 .2042					6 + 4 1 UNCH
237 237 238	5	0.314  0.358	0.444B/*0.133A 0.472B/*0.145A	0.444B/*0.133A 0.472B/*0.145A		0.135 NEW 0.147 - 0.143 0.160 NEW	3 .2366 v .2541			<del>-</del> 7		4 + 4 2 UNCH 7 + 7
238 239	5 0 0.407	0.407	0.504B/*0.157A 0.532B/*0.171A	0.504B/*0.157A 0.532B/*0.171A 0.565B/*0.185A		0.174 - 0.159 0.189 - 0.167	9 .2724 7 .2914			7		3 UNCH 7 + 7
239 240 241	0 0.220	0.421 0.220 0.230	0.565B/*0.185A 0.597B/*0.202A 0.667B/*0.230	0.597B/*0.202A 0.667B/*0.230		0.205 - 0.175 0.222 - 0.183 0.258 - 0.199	3 .3311 9 .3726			2 3 2		11 UNCH 7 + 2 6 + 2
241 242	5 0		0.678B/*0.256A 0.683B/*0.275A	0.678B/*0.256A 0.683B/*0.275A 0.777B/*0.297A		0.278 - 0.206 0.299 - 0.214	3942 4 .4160			107		2 UNCH 22 UNCH
242 243 243	0 5		0.777B/*0.297A 0.756B/*0.314A 0.795B/*0.339A	0.756B/*0.314A 0.795B/*0.339A		0.344 NEW 0.368 - 0.237	v .4604 7 .4828			1 		107 + 107 1 + 1 2 UNCH
244 244	0 0.392 5 0.377	0.392 0.377	0.837B/*0.361A 0.877B/*0.377	0.837B/*0.361A 0.877B/*0.377		0.393 - 0.244 0.420 NEW	.5276			4 2		4 + 2 2 + 2
CHE	INFORMATTO	N CONTAINED IN THE	S REPORT IS COMPTI	FU FUR THE CONVENT	ENCE OF THE USER	AND IS FURNISHED WI	. HULLE DES	PUNSTRT	LIV FOR	ALC LIRACY	· UP CONTI	ENT. IT

# **METALS OPTIONS PRODUCTS**

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







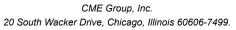
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PG64 BULLE	TIN # 9@		ME	ETALS OPTION PR	RODUCTS		00511	Fri, J	an 13,	2023 PG64
GLOBEX OPEN	OPEN OUTCRY OPEN RANGE	GLOBEX HIGH/LOW	OPEN OUTCRY HIGH/LOW	OPEN OUTCRY CLOSE RANGE	SETT.PRICE & PT.CHGE. DEL	EX LTA CI	OPEN ER OUTCRY SES VOLUME		PNT VOLUME	OPEN INTEREST
SO3 PUT JAN23	SILVER OPTIONS	0.977B/*0.412A	0.977B/*0.412A		0.447 - 0.259 .5	5498				2 UNCH
2450 2460 2550		1.005B/*0.465A 1.896B/*1.148A	1.005B/*0.465A 1.896B/*1.148A		0.506 - 0.272 .5 1.200 - 0.345 .8	5935 8734				2 UNCH 1 UNCH
2575 2600 2625		2.037B/1.374A 2.069B/1.606A /1.845A	2.037B/1.374A 2.069B/1.606A /1.845A		1.662 - 0.358 .9	9125 9391 9572				2 UNCH 1 UNCH 2 UNCH
TOTAL		/1:043A	/1.043A		1.501 0.502 .5	3372		321	0	629 + 287
SO4 CALL JAN23 2400	SILVER OPTIONS	0.782B/0.385A	0.782B/0.385A		0.754 + 0.193 .6	6208				1 UNCH
2425 2440		0.636B/0.303A 0.561B/0.261A	0.636B/0.303A 0.561B/0.261A		0.613 + 0.165 .5 0.538 + 0.148 .5	5473 5025				3 UNCH 1 UNCH
2450 2460 2465		0.512B/0.234A 0.468B/0.211A 0.447B/*0.201A	0.512B/0.234A 0.468B/0.211A 0.447B/*0.201A		0.449 + 0.128 .4	4728 4435 4289				18 UNCH 1 UNCH 9 UNCH
2470 2475		0.427B/*0.191A 0.407B/*0.181A	0.427B/*0.191A 0.407B/*0.181A		0.409 + 0.119 .4 0.390 + 0.114 .4	4147 4006				5 UNCH 4 UNCH
2500 0.262 2510 2525	0.262 	0.319B/*0.141A 0.289B/*0.127A 0.250B/*0.107A	0.319B/*0.141A 0.289B/*0.127A 0.250B/*0.107A		0.277 + 0.084 .3	3332 3081 2727		1 		34 - 1 6 UNCH 12 UNCH
2550 2600		0.192B/*0.084A 0.113B/*0.050A	0.192B/*0.084A 0.113B/*0.050A		0.184 + 0.057 .2 0.109 + 0.034 .1	2201 1391				15 UNCH 16 UNCH
2625 TOTAL		0.087B/*0.040A	0.087B/*0.040A		0.084 + 0.026 .1	1096		1	0	22 UNCH 147 - 1
SO4 PUT JAN23	SILVER OPTIONS				0.005 - 0.001 .0	0062				1 110011
2025 2075 2200		/*0.007A 0.068B/*0.029A	/*0.007A 0.068B/*0.029A		0.007 - 0.004 .0	0092 0404				1 UNCH 1 UNCH 31 UNCH
2275 2285		0.199B/*0.077A 0.225B/*0.087A 0.239B/*0.093A	0.199B/*0.077A 0.225B/*0.087A 0.239B/*0.093A		0.095 - 0.067 .1	1070 1216 1287				2 UNCH 3 UNCH 1 UNCH
2290 2300 2310		0.270B/*0.106A 0.303B/*0.120A	0.270B/*0.106A 0.303B/*0.120A		0.116 - 0.077 .1 0.133 - 0.084 .1	1450 1629				10 UNCH 2 UNCH
2320 2350 0.220	0.220	0.339B/*0.137A 0.466B/*0.199A 0.651B/*0.303A	0.339B/*0.137A 0.466B/*0.199A 0.651B/*0.303A		0.219 - 0.119 .2	1816 2468 3369		2		2 UNCH 3 + 2
2385 2400 2410		0.741B/*0.357A 0.807B/*0.398A	0.741B/*0.357A 0.807B/*0.398A		0.382 - 0.175 .3	3369 3791 4081				1 UNCH 4 UNCH 3 UNCH
2575 1.775 TOTAL	1.775	2.176B/*1.467A	2.176B/*1.467A			8240		2 4	0	2 + 2 66 + 4
SWW WED JAN23	SILVER WEEKLY W	VEDNESDAY OPTION WE	EK							
2150 2175 2200					0.001 - 0.002 .0	0001 0005 0015				2 UNCH 6 UNCH 24 UNCH
2225 2225		2.130B/1.456A	2.130B/1.456A		2.124 + 0.360 .9 2.146 + 0.341 .9	9949 9599				10 UNCH 2 UNCH
2245 2250 2250 0.006	 0.006	0.022B/*0.008A 0.106B/*0.037A 0.025B/*0.006	0.022B/*0.008A 0.106B/*0.037A 0.025B/*0.006		0.039 - 0.038 .0	0071 0588 0090		 1		1 UNCH 10 UNCH 17 + 1
2250 2250		1.962B/1.243A /1.158A	1.962B/1.243A /1.158A		1.909 + 0.330 .9 1.876 + 0.355 .9	9411 9909				2 UNCH 1 UNCH
2270 2275 2275		0.042B/*0.011A 0.047B/*0.012A 1.380B/0.931A	0.042B/*0.011A 0.047B/*0.012A 1.380B/0.931A		0.009 - 0.022 .0	0151 0172 9827				8 UNCH 1 UNCH 3 UNCH
2280 2300 0.057	0.057	0.053B/*0.010A 0.086B/*0.018A	0.053B/*0.010A 0.086B/*0.018A		0.010 NEW .0 0.016 - 0.036 .0	0194 0322		1 4		$\begin{array}{ccc} 1 & + & 1 \\ 21 & + & 3 \end{array}$
2315 2320 0.102 2325	0.102	0.120B/*0.023A 0.134B/*0.025A 1.203B/0.534A	0.120B/*0.023A 0.134B/*0.025A 1.203B/0.534A		0.025 NEW .C	0472 0520 9414		7 		1 UNCH 7 + 7 1 UNCH
2330 2335		0.164B/*0.029A 0.181B/*0.033A	0.164B/*0.029A 0.181B/*0.033A		0.032 - 0.063 .0 0.035 NEW .0	0668 0738		1 5		5 UNCH 5 + 5
2340 2345 2350 0.056	 0.056	0.200B/*0.036A 0.220B/*0.040A 0.241B/*0.043A	0.200B/*0.036A 0.220B/*0.040A 0.241B/*0.043A		0.044 - 0.083 .0	0826 0931 1039		 22		2 UNCH 11 UNCH 23 + 7
2350 2365		0.413B/*0.156A 0.772B/0.304A	0.413B/*0.156A 0.772B/0.304A		0.171 - 0.117 .2 0.791 + 0.254 .8	2217 8550				10 UNCH 1 UNCH
2370 2375 2380		0.871B/0.455A 0.368B/*0.075A 0.397B/*0.085A	0.871B/0.455A 0.368B/*0.075A 0.397B/*0.085A		0.086 - 0.132 .1	7248 1785 1975		12		14 UNCH 13 + 12 1 UNCH
2385 0.580 2390	0.580	0.662B/0.220A 0.622B/*0.199A	0.662B/0.220A 0.622B/*0.199A		0.629 + 0.217 .7 0.591 + 0.207 .7	7821 7596		1 		1 UNCH 1 UNCH
2390 2395 2395		0.628B/*0.267A 0.583B/*0.184A 0.492B/*0.116A	0.628B/*0.267A 0.583B/*0.184A 0.492B/*0.116A		0.555 + 0.198 .7	3351 7368 2631				1 UNCH 1 UNCH 2 UNCH
2400 0.338 2400	0.338	0.528B/*0.121 0.726B/0.332A	0.528B/*0.121 0.726B/0.332A		0.696 + 0.192 .6	2877 6332 7122		16 		19 + 7 1 UNCH
2400 2415 2415		0.556B/*0.167A 0.449B/*0.126A 0.571B/*0.178A	0.556B/*0.167A 0.449B/*0.126A 0.571B/*0.178A		0.422 + 0.160 .6 0.200 - 0.208 .3	6329 3670		100		7 UNCH 150 UNCH 100 + 91
2420 2420 0.301	0.301	0.417B/*0.115A 0.611B/*0.195A 0.389B/*0.105A	0.417B/*0.115A 0.611B/*0.195A 0.389B/*0.105A		0.220 NEW .3	6049 3950 5764		1 10		5 UNCH 1 + 1 302 UNCH
2425 0.203 2430 0.360	0.203 0.360	0.717B/*0.203 0.694B/*0.229	0.717B/*0.203 0.694B/*0.229		0.241 NEW .4 0.264 - 0.237 .4	4235 4524		15 15		2 + 2 18 + 13
2435 2435 2440 0.301	 0.301	0.736B/*0.256A 0.332B/*0.088A 0.780B/*0.271	0.736B/*0.256A 0.332B/*0.088A 0.780B/*0.271		0.310 + 0.121 .5	4815 5184 5107		 3		4 UNCH 7 UNCH 2 + 2
2445 0.285 2450 0.122	0.285 0.122	0.285/*0.074A 0.258B/*0.068A	0.285/*0.074A 0.258B/*0.068A		0.262 NEW .4 0.241 + 0.095 .4	4602 4317		1 18		$\begin{array}{ccc} 1 + & 1 \\ 17 + & 11 \end{array}$
2450 0.322 2460 0.203 2470 0.502	0.322 0.203 0.502	0.933B/*0.322 0.215B/*0.057A 1.012B/*0.451A	0.933B/*0.322 0.215B/*0.057A 1.012B/*0.451A		0.201 NEW .3	5682 3758 6767		2 1 2		$ \begin{array}{cccccccccccccccccccccccccccccccccccc$
2475 0.155 2480 0.141	0.155 0.141	0.161B/*0.044A 0.146B/*0.041A	0.161B/*0.044A 0.146B/*0.041A		0.152 + 0.057 .2 0.138 + 0.051 .2	2985 2749		1 2		3 + 1 1 UNCH
2485 2500 2500 0.053	 0.053	0.133B/*0.038A 1.395B/*0.672A 0.101/*0.030A	0.133B/*0.038A 1.395B/*0.672A 0.101/*0.030A		0.720 - 0.336 .8	2523 8081 1918		 2		2 UNCH 10 UNCH 7 + 1
2500 0.155 2520	0.155	0.264B/*0.107A 0.066B/*0.022A	0.264B/*0.107A 0.066B/*0.022A		0.255 NEW .3 0.061 + 0.019 .1	3127 1298		2		2 + 2 1 UNCH
2525 0.045 2550 2575	0.045 	0.059B/*0.019A 0.035B/*0.014A 0.020B/*0.011A	0.059B/*0.019A 0.035B/*0.014A 0.020B/*0.011A		0.033 + 0.009 .0	1172 0698 0411		22 2 		22 + 22 11 + 2 7 UNCH
2600 0.016 2650	0.016	0.016/*0.008A	0.016/*0.008A		0.013 + 0.004 .0	0254 0103		5		7 + 5 4 UNCH
TOTAL FEB23								261	0	929 + 202
2200 2225	  0 120	#0.186B/*0.100A #2.240B/1.532A #0.237B/*0.137A	#0.186B/*0.100A #2.240B/1.532A #0.237B/*0.137A		2.190 + 0.327 .9	1008 9166		84 		84 + 84 2 UNCH
2225 0.130 2330 2350	0.130 	#0.237B/*0.127A #0.582B/*0.326A 0.545B/*0.265A	#0.237B/*0.127A #0.582B/*0.326A 0.545B/*0.265A		0.346 - 0.110 .2 0.285 - 0.124 .2	1241 2713 2738		1 		1 + 1 21 UNCH 2 UNCH
2350 2380		#0.676B/*0.385A 0.823B/0.544A	#0.676B/*0.385A 0.823B/0.544A		0.407 NEW .3 0.953 + 0.215 .6	3076 6573		42		42 + 42 20 UNCH
2460 0.549 TOTAL	0.549	0.549/0.275A	0.549/0.275A		0.530 NEW .4	4543		1 128	0	1 + 1 173 + 128
			CC	OPPER OPTIONS ON	FUTURES					
GLOBEX	OPEN OUTCRY	GLOBEX	OPEN OUTCRY	OPEN OUTCRY	SETT.PRICE		OPEN			
OPEN	OPEN OUTCRY OPEN RANGE	HIGH/LOW	HIGH/LOW	CLOSE RANGE		ELTA EX CI			PNT VOLUME	OPEN INTEREST
ECHG OOF 12JAN23	EVENT CONTRACT	COPPER								

# **METALS OPTIONS PRODUCTS**

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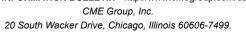
Side 40

PG64 BULLET	IN # 9@		ME	TALS OPTION					Fri,	Jan 13,	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 <sup>©</sup> VOLUME	PNT VOLUME	INTE	OPEN REST
ECHG OOF 13JAN23	EVENT CONTRACT (	COPPER										
415 415 420	5.00 11.50 13.00		#5.00/*0.50A #19.50B/*6.75A #18.00B/*1.50A		0.00 UNCH 20.00 NEW 0.00 UNCH	.0000	 6 		1 6 14 21		0 0 0	UNCH UNCH UNCH
TOTAL HMW MON JAN23	COPPER WEEKLY MO	ONDAY OPTION WEEK4							21			
355 365 370					0.0005 UNCH 0.0005 - 0.0005 0.0005 - 0.0010	.0003 .0021 .0048					10 20 10	UNCH UNCH UNCH
375 375					0.0010 - 0.0005 0.4685 + 0.0180	.0095 .9743					20 10	UNCH UNCH
380 380		/*0.0020A 0.0080B/*0.0050	/*0.0020A 0.0080B/*0.0050		0.0015 - 0.0010 0.0045 - 0.0015	.0148					84 21	UNCH
380 385 385		#0.4230B/0.3415 0.0035B/*0.0025	#0.4230B/0.3415 0.0035B/*0.0025		0.4200 + 0.0180 0.0020 - 0.0010 0.3675 + 0.0180	.9620 .0208 .9790					11 21 5	UNCH UNCH UNCH
385 385		0.0120B/*0.0070 	0.0120B/*0.0070 		0.0065 - 0.0020 0.3720 + 0.0175	.0541					41 7	UNCH
390 390		0.0065B/*0.0030 #0.3215B/0.2400	0.0065B/*0.0030 #0.3215B/0.2400		0.0030 - 0.0015 0.3185 + 0.0180	.0323					20 2	UNCH
390 395 395		#0.3265B/0.2520 0.0115B/*0.0045 /0.2325A	#0.3265B/0.2520 0.0115B/*0.0045 /0.2325A		0.3250 + 0.0165 0.0050 - 0.0020 0.2705 + 0.0170	.9218 .0539 .9458					5 3 10	UNCH UNCH UNCH
395 400		0.0270B/*0.0135 0.0195B/*0.0075	0.0270B/*0.0135 0.0195B/*0.0075		0.0145 - 0.0035 0.0080 - 0.0035	.1135					10 1	UNCH
400 400		#0.2255B/0.1525 #0.2365B/0.1725	#0.2255B/0.1525 #0.2365B/0.1725		0.2240 + 0.0160 0.2365 + 0.0140	.9133					10 11	UNCH
405 410 415 0.0500	 0.0500	0.1685B/0.1150A 0.1595B/0.1085A 0.0745B/*0.0345	0.1685B/0.1150A 0.1595B/0.1085A 0.0745B/*0.0345		0.1795 + 0.0140 0.1595 + 0.0110 0.0360 NEW	.8589 .7107 .3254			 2		5 10 2 +	UNCH UNCH 2
420 420		0.1295B/*0.0800 0.0980B/0.0630A	0.1295B/*0.0800 0.0980B/0.0630A		0.0825 - 0.0115 0.0985 + 0.0080	.4604					10 20	UNCH UNCH
425 TOTAL		0.0485B/0.0250A	0.0485B/0.0250A		0.0485 + 0.0040	.4190			2		1 380+	UNCH 2
FEB23 350					0.0030 - 0.0005	.0182					0	UNCH
360 365		0.0060B/ 0.0140B/*0.0105	0.0060B/ 0.0140B/*0.0105		0.0045 - 0.0010 0.0105 - 0.0010	.0283					11 10	UNCH UNCH
365 370 375		0.0080B/*0.0065 0.0105B/*0.0080 0.0145B/*0.0100	0.0080B/*0.0065 0.0105B/*0.0080		0.0060 - 0.0010 0.0075 - 0.0015 0.0095 - 0.0020	.0374 .0472 .0600					5 1 1	UNCH UNCH UNCH
375 375 380		0.0143B/*0.0100  0.0195B/*0.0125	0.0145B/*0.0100  0.0195B/*0.0125		0.4745 + 0.0175 0.0120 - 0.0030	.9396					3 7	UNCH
390 395		0.0350B/*0.0210 0.0620B/*0.0405	0.0350B/*0.0210 0.0620B/*0.0405		0.0215 - 0.0045 0.0415 - 0.0060	.1297 .2001					2 12	UNCH UNCH
395 400		0.2825B/0.2300A 0.0610B/*0.0375	0.2825B/0.2300A 0.0610B/*0.0375		0.2945 + 0.0145 0.0385 - 0.0065	.8314					11 1	UNCH
400 405 405		#0.2545B/0.1945 0.0790B/*0.0495 #0.2320B/0.1805	#0.2545B/0.1945 0.0790B/*0.0495 #0.2320B/0.1805		0.2540 + 0.0130 0.0510 - 0.0080 0.2325 + 0.0110	.7858 .2677 .7056					2 10 2	UNCH UNCH UNCH
415 420		0.1515B/0.1095A 0.1240B/0.0885A	0.1515B/0.1095A 0.1240B/0.0885A		0.1515 + 0.0090 0.1240 + 0.0075	.6047					20 1	UNCH
420 425 0.0750	0.0750	0.1430B/0.1075A 0.1000B/0.0705A	0.1430B/0.1075A 0.1000B/0.0705A		0.1435 + 0.0075 0.1005 + 0.0060	.5344 .4659			 5		15 5 -	UNCH 1
425 435		0.1195B/0.0890A 0.0630B/0.0440A	0.1195B/0.0890A 0.0630B/0.0440A		0.1200 + 0.0065 0.0635 + 0.0040 0.0500 + 0.0035	.4751					15 1	UNCH
440 445 455		0.0490B/0.0340A 0.0380B/0.0265A 0.0215B/0.0155A	0.0490B/0.0340A 0.0380B/0.0265A 0.0215B/0.0155A		0.0300 + 0.0035 0.0385 + 0.0025 0.0230 + 0.0020	.2779 .2260 .1462					10 8 10	UNCH UNCH UNCH
460 465		0.0265B/*0.0200 /0.0095A	0.0265B/*0.0200 /0.0095A		0.0275 + 0.0020 0.0135 + 0.0015	.1518					10 7	UNCH
TOTAL HWW WED	COPPER WEEKLY WI	EDNESDAY OPTION WEEK							5		180 -	1
JAN23 350					0.0005 UNCH						1	UNCH
365 370					0.0005 UNCH 0.0005 - 0.0005 0.0005 - 0.0005	.0000					10 2	UNCH
375 385 385					0.0005 - 0.0005 0.0005 - 0.0010 0.3665 + 0.0185	.0004 .0048 .9951					11 42 5	UNCH UNCH UNCH
390 390		/*0.0020A /0.2350A	/*0.0020A /0.2350A		0.0010 - 0.0015 0.3170 + 0.0185	.0104 .9894					42 8	UNCH
395 400		0.0040B/*0.0025 0.0085B/*0.0035	0.0085B/*0.0035		0.0015 - 0.0020 0.0025 NEW	.0175			1 12		1 - 10 + 3	10
400 405 410		#0.2215B/0.1420 /0.0995A 0.0315B/*0.0095	#0.2215B/0.1420 /0.0995A 0.0315B/*0.0095		0.2185 + 0.0165 0.1705 + 0.0140 0.0095 - 0.0085	.9677 .9373 .1325			1		0 - 1	UNCH 1 UNCH
415 0.0530 415 0.0600	0.0530 0.0600	0.0555B/*0.0185 0.0845B/*0.0445	0.0555B/*0.0185 0.0845B/*0.0445		0.0195 - 0.0120 0.0460 NEW	.2568 .3482			22 2		35 + 2 +	19 2
415		0.0865B/0.0390A 0.0885B/*0.0350	0.0865B/0.0390A 0.0885B/*0.0350		0.0855 + 0.0075 0.0370 NEW	.7430			2 2		26 1 +	UNCH 1 1
420 0.0260 425 430	0.0260 	0.0525B/0.0220A /0.0125A /0.0070A	0.0525B/0.0220A /0.0125A /0.0070A		0.0530 + 0.0040 0.0300 + 0.0015 0.0155 UNCH	.5670 .3751 .2147			1 1		15 + 2 1	UNCH UNCH
435 TOTAL		0.0265B/0.0150A	0.0265B/0.0150A		0.0275 + 0.0025	.2402			44		10 228+	UNCH 31
FEB23					0.0005 UNCH	.0000					5	UNCH
300 370 375		0.0060B/*0.0045 0.0085B/*0.0060	0.0060B/*0.0045 0.0085B/*0.0060		0.0040 - 0.0010 0.0055 - 0.0010	.0294					10 5	UNCH UNCH
380 380		0.0120B/*0.0075 #0.4245B/0.3455	0.0120B/*0.0075 #0.4245B/0.3455		0.0075 - 0.0015 0.4225 + 0.0180	.0548 .9449					10 10	UNCH UNCH
385 400 415		0.0170B/*0.0100 #0.2440B/0.1810 0.1095B/*0.0680	0.0170B/*0.0100 #0.2440B/0.1810 0.1095B/*0.0680		0.0100 - 0.0020 0.2430 + 0.0140 0.0705 - 0.0100	.0730 .8175 .3822					10 12 10	UNCH UNCH UNCH
415 415 455		0.1360B/0.0935A /0.0095A	0.1360B/0.0935A /0.0095A		0.1360 + 0.0090 0.0145 + 0.0015	.6173 .1098					10 10	UNCH UNCH
470 TOTAL		/*0.0040A	/*0.0040A		0.0055 + 0.0010	.0451					1 93	UNCH
HX CALL FEB23	COMEX COPPER OP	TIONS										
310 320					1.1160 + 0.0195 1.0165 + 0.0200	.9955					1 3	UNCH
325 335 340					0.9665 + 0.0195 0.8665 + 0.0190 0.8165 + 0.0190	.9948 .9942 .9915					1 10 18	UNCH UNCH UNCH
341 344					0.8065 + 0.0190 0.7770 + 0.0195	.9914					8	UNCH
345 346					0.7670 + 0.0195 0.7570 + 0.0195	.9909					12 23	UNCH UNCH
348 349					0.7370 + 0.0195 0.7270 + 0.0195 0.7170 + 0.0195	.9906 .9905 .9903					9 8 7	UNCH
350 353 355					0.7170 + 0.0195 0.6870 + 0.0195 0.6670 + 0.0195	.9899 .9897			2 2		0 - 1 -	UNCH 2 2
360 363					0.6170 + 0.0195 0.5870 + 0.0190	.9889 .9884					4 10	UNCH UNCH
364 365					0.5770 + 0.0190 0.5670 + 0.0190	.9882					14 245	UNCH
368 369 370		  /0.4350A	 /0.4350A		0.5375 + 0.0195 0.5275 + 0.0190 0.5175 + 0.0190	.9874 .9839 .9836					17 10 50	UNCH UNCH UNCH
370 371 372		/0.4330A 	/0.4330A 		0.5075 + 0.0190 0.4980 + 0.0190	.9833					10 11	UNCH
375 376					0.4685 + 0.0190 0.4585 + 0.0190	.9786 .9749					83 36	UNCH UNCH
377 378					0.4485 + 0.0185 0.4385 + 0.0185 0.4290 + 0.0185	.9745 .9740 .9702					10 37 24	UNCH UNCH UNCH
379 380 381		#0.4215B/0.3380	#0.4215B/0.3380		0.4290 + 0.0185 0.4190 + 0.0185 0.4095 + 0.0185	.9696 .9690			7		426 - 79	UNCH UNCH
382 383					0.3995 + 0.0185 0.3900 + 0.0185	.9650 .9643					92 125	UNCH
THE INFORMATION	N CONTAINED IN THE	S REPORT IS COMPILE	O EOD THE CONVENT	NCE OF THE US	SER AND IS FURNISHED WIT	HOUT RE	SPONSTRT	LITTY FOR	ACCURAC	V OR CONT	ENT. IT	

# **METALS OPTIONS PRODUCTS**

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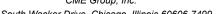




PG6	4 BULLETI	N # 9@		ME	TALS OPTION PRO	DUCTS				Fri,	Jan 13,	2023 PG64
	GLOBEX OPEN	OPEN OUTCRY OPEN RANGE	GLOBEX HIGH/LOW	OPEN OUTCRY HIGH/LOW	OPEN OUTCRY CLOSE RANGE	SETT.PRICE & PT.CHGE.	DELTA	EXER CISES	OPEN OUTCRY VOLUME	GLOBEX® VOLUME	PNT VOLUME	OPEN INTEREST
HX C/ FEB2		COMEX COPPER OPTIO	ONS									
384 385						0.3800 + 0.0185 0.3705 + 0.0185 0.3605 + 0.0180	.9602					37 UNCH 193 UNCH
386 387 388						0.3510 + 0.0175 0.3415 + 0.0175	.9552 .9510 .9467					12 UNCH 37 UNCH 63 UNCH
389 390			#0.3240B/0.2460	#0.3240B/0.2460		0.3320 + 0.0175 0.3225 + 0.0175	.9455 .9410			2		21 UNCH 735 + 2
391 392 393						0.3130 + 0.0170 0.3035 + 0.0170 0.2940 + 0.0165	.9364 .9287 .9239					61 UNCH 39 UNCH 34 UNCH
394 395			/0.2035A	/0.2035A		0.2850 + 0.0165 0.2755 + 0.0160	.9190 .9111					25 UNCH 100 UNCH
396 397 398	0.2010	0.2010	/0.1950A 0.2010/0.1870A /0.1790A	/0.1950A 0.2010/0.1870A /0.1790A		0.2665 + 0.0155 0.2575 + 0.0155 0.2485 + 0.0150	.9031 .8951 .8869			2 1 2		31 - 2 94 UNCH 93 UNCH
399 400			/0.1715A #0.2315B/0.1635	/0.1715A #0.2315B/0.1635		$0.2400 + 0.0150 \\ 0.2310 + 0.0145$	.8785 .8675			3		41 UNCH 850 UNCH
401 402 403			0.2110B/0.1560A 0.2080B/0.1485A #0.2065B/0.1415			0.2225 + 0.0145 0.2140 + 0.0140 0.2055 + 0.0135	.8565 .8476 .8341			10		26 UNCH 138 + 10 97 UNCH
404 405			#0.1980B/0.1345 #0.1900B/0.1280	#0.1980B/0.1345 #0.1900B/0.1280		0.1975 + 0.0135 0.1890 + 0.0130	.8226 .8090					169 UNCH 309 UNCH
406 407 408	0.1305	0.1305	#0.1820B/0.1215 #0.1740B/0.1150 0.1660B/0.1090A			0.1810 + 0.0125 0.1730 + 0.0120 0.1655 + 0.0120	.7952 .7812 .7671			4		157 UNCH 83 - 3 287 UNCH
409 410			0.1585B/0.1030A 0.1515B/0.0975A	0.1585B/0.1030A 0.1515B/0.0975A		0.1580 + 0.0115 0.1505 + 0.0110	.7511			10		65 UNCH 309 - 5
411 414 415		0.0855	0.1440B/0.0920A 0.1235B/0.0770A 0.1170B/0.0725A	0.1440B/0.0920A 0.1235B/0.0770A 0.1170B/0.0725A		0.1435 + 0.0110 0.1230 + 0.0095 0.1165 + 0.0090	.7173 .6626 .6427					11 UNCH 1 UNCH 219 UNCH
416 417			0.1105B/0.0680A 0.1045B/0.0635A	0.1105B/0.0680A 0.1045B/0.0635A		0.1105 + 0.0090 0.1045 + 0.0085 0.0985 + 0.0080	.6235					150 UNCH 32 UNCH 55 UNCH
418 419 420		0.0735	0.0990B/0.0595A 0.0930B/0.0560A 0.0880B/0.0525A	0.0990B/0.0595A 0.0930B/0.0560A 0.0880B/0.0525A		0.0930 + 0.0075 0.0875 + 0.0070	.5835 .5629 .5423			226	200	55 UNCH 12 UNCH 865 + 4
421 424	0.0490	0.0490 0.0450	0.0825B/0.0490A 0.0680B/*0.0400 0.0635B/0.0370A	0.0825B/0.0490A 0.0680B/*0.0400 0.0635B/0.0370A		0.0825 + 0.0070 0.0680 NEW 0.0640 + 0.0060	.5215 .4592 .4390			10 69		12 UNCH 10 + 10 2137 + 49
425 426 428			0.0590B/*0.0345 0.0515B/*0.0295	0.0590B/*0.0345 0.0515B/*0.0295		$0.0595 + 0.0050 \\ 0.0520 + 0.0050$	.4182					5 UNCH 15 UNCH
429 430 435		0.0330 0.0285	#0.0475B/*0.027 0.0445B/0.0255A 0.0305B/0.0175A	#0.0475B/*0.027 0.0445B/0.0255A 0.0305B/0.0175A		0.0485 NEW 0.0450 + 0.0040 0.0315 + 0.0030	.3595 .3403 .2556			10 159 		10 + 10 971 - 145 48 UNCH
437 440	0.0205	0.0205	#0.0265B/*0.015 0.0210B/0.0115A	#0.0265B/*0.015 0.0210B/0.0115A		0.0270 NEW 0.0215 + 0.0020	.2253 .1855			10		10 + 10 100 UNCH
445 450 455		0.0095	0.0140B/0.0075A 0.0095/0.0050A 0.0055B/0.0035A	0.0140B/0.0075A 0.0095/0.0050A 0.0055B/0.0035A		0.0140 + 0.0010 0.0095 + 0.0015 0.0060 + 0.0010	.1285 .0898 .0591			3		26 UNCH 584 + 3 38 UNCH
460 465			0.0035B/0.0025A	0.0035B/0.0025A		$0.0040 + 0.0010 \\ 0.0025 + 0.0005$	.0400					30 UNCH 13 UNCH
470 475 480						0.0015 + 0.0005 0.0010 + 0.0005 0.0005 UNCH	.0156 .0104 .0054			1		11 UNCH 31 + 1 1 UNCH
485 490						0.0005 UNCH 0.0005 UNCH	.0029					1 UNCH 26 UNCH
495 500 505						0.0005 UNCH 0.0005 UNCH 0.0005 UNCH	.0007 .0003 .0001					40 UNCH 4 UNCH 2 UNCH
510 520						0.0005 UNCH 0.0005 UNCH	.0000					13 UNCH 1 UNCH
525 530 535						0.0005 UNCH 0.0005 UNCH 0.0005 UNCH	.0000					1 UNCH 2 UNCH 1 UNCH
540 555						0.0005 UNCH 0.0005 UNCH						3 UNCH 3 UNCH
565 585 675						0.0005 UNCH 0.0005 UNCH 0.0005 UNCH						2 UNCH 2 UNCH 1 UNCH
TOTA MAR2	L								200	541		10990 - 61
175 200	 					2.4660 + 0.0195 2.2160 + 0.0195	.0000					5 UNCH 1 UNCH
270 320 335						1.5160 + 0.0195 1.0180 + 0.0195 0.8700 + 0.0190	.9933 .9810 .9713					2 UNCH 4 UNCH 11 UNCH
340 345			#0.8245B/0.7395	#0.8245B/0.7395		$0.8210 + 0.0190 \\ 0.7720 + 0.0185$	.9665 .9613					76 UNCH 24 UNCH
350 354 356			#0.7275B/0.6440 	#0.7275B/0.6440		0.7235 + 0.0180 0.6850 + 0.0175 0.6660 + 0.0175	.9543 .9473 .9445					62 UNCH 1 UNCH 20 UNCH
357 360			#0.6310B/0.5510	#0.6310B/0.5510		$0.6565 + 0.0175 \\ 0.6280 + 0.0170$	.9423 .9355					46 UNCH 48 UNCH
364 365 367						0.5905 + 0.0170 0.5815 + 0.0170 0.5630 + 0.0165	.9247 .9208 .9145					1 UNCH 330 UNCH 75 UNCH
370 372			#0.5375B/0.4615	#0.5375B/0.4615		$0.5355 + 0.0160 \\ 0.5175 + 0.0160$	.9042 .8975			16 		907 - 5 10 UNCH
373 375 377			#0.4935B/0.4640	#0.4935B/0.4640		0.5085 + 0.0160 0.4905 + 0.0155 0.4730 + 0.0150	.8935 .8853 .8758			70 		26 UNCH 1225 - 47 4 UNCH
378 379			/0.3950A /0.3865A #0.4480B/0.3780	/0.3950A /0.3865A #0.4480B/0.3780		0.4640 + 0.0145 0.4555 + 0.0150 0.4465 + 0.0145	.8716 .8662 .8619					22 UNCH 10 UNCH 253 UNCH
380 381 382			/0.3705A /0.3630A	/0.3705A /0.3630A		$0.4380 + 0.0145 \\ 0.4295 + 0.0140$	.8564 .8509					35 UNCH 53 UNCH
383 384 385			/0.3550A /0.3470A 0.3990B/0.3395A	/0.3550A /0.3470A 0.3990B/0.3395A		0.4210 + 0.0140 0.4125 + 0.0135 0.4040 + 0.0135	.8454 .8398 .8342					15 UNCH 5 UNCH 607 UNCH
386 387			#0.3950B/0.3320 #0.3890B/0.3245	#0.3950B/0.3320 #0.3890B/0.3245		0.3960 + 0.0135 0.3875 + 0.0130	.8275 .8218					78 UNCH 13 UNCH
388 390 391			#0.3810B/0.3165 #0.3650B/0.3020 #0.3570B/0.2945	#0.3810B/0.3165 #0.3650B/0.3020 #0.3570B/0.2945		0.3795 + 0.0130 0.3635 + 0.0125 0.3555 + 0.0120	.8151 .8015 .7947				725	46 UNCH 2345 - 293 19 UNCH
392 393			#0.3485B/0.2875 #0.3415B/0.2805	#0.3485B/0.2875 #0.3415B/0.2805		0.3480 + 0.0125 0.3400 + 0.0120	.7879 .7810					8 UNCH 8 UNCH
394 395 396			#0.3330B/0.2740 #0.3255B/0.2670 #0.3185B/0.2605	#0.3330B/0.2740 #0.3255B/0.2670 #0.3185B/0.2605		0.3325 + 0.0120 0.3250 + 0.0115 0.3175 + 0.0115	.7732 .7654 .7576			20		12 UNCH 342 UNCH 15 UNCH
397 398			#0.3110B/0.2540 0.3030B/0.2475A	#0.3110B/0.2540 0.3030B/0.2475A		$0.3100 + 0.0110 \\ 0.3025 + 0.0105$	.7498 .7419					77 UNCH 13 UNCH
399 400 401	0.2685	0.2685	#0.2965B/0.2415 0.2890B/0.2345A 0.2820B/0.2290A	#0.2965B/0.2415 0.2890B/0.2345A 0.2820B/0.2290A		0.2955 + 0.0105 0.2885 + 0.0105 0.2815 + 0.0100	.7333 .7247 .7161			40		42 UNCH 3080 UNCH 6 UNCH
402 403			0.2750B/0.2230A 0.2685B/0.2170A	0.2750B/0.2230A 0.2685B/0.2170A		0.2745 + 0.0095 0.2680 + 0.0095	.7075 .6989					8 UNCH 65 UNCH
404 405 406		0.2525	0.2615B/0.2115A 0.2545B/0.2055A 0.2485B/0.2000A	0.2545B/0.2055A		0.2615 + 0.0095 0.2545 + 0.0090 0.2485 + 0.0090	.6897 .6805 .6712			13		46 UNCH 294 - 13 21 UNCH
407 408			0.2420B/0.1945A 0.2355B/0.1890A	0.2420B/0.1945A 0.2355B/0.1890A		$0.2420 + 0.0090 \\ 0.2355 + 0.0085$	.6620 .6524			10		83 UNCH 957 - 242
409 410 411		 0.1880	0.2295B/0.1835A 0.2235B/0.1785A 0.2175B/0.1735A	0.2295B/0.1835A 0.2235B/0.1785A 0.2175B/0.1735A		0.2295 + 0.0085 0.2235 + 0.0080 0.2175 NEW	.6431 .6335 .6238			 1		108 UNCH 1482 UNCH 1 + 1
413 414			0.2060B/0.1635A 0.2005B/0.1590A	0.2060B/0.1635A 0.2005B/0.1590A		0.2065 + 0.0080 0.2005 + 0.0075	.6042 .5944					220 UNCH 10 UNCH
415 416 417		0.1930 	0.1950B/0.1545A 0.1895B/0.1500A 0.1840B/0.1455A	0.1950B/0.1545A 0.1895B/0.1500A 0.1840B/0.1455A		0.1955 + 0.0080 0.1900 + 0.0075 0.1845 NEW	.5845 .5746 .5646			76  27		410 - 30 12 UNCH 25 + 25
418 419	0.1535	0.1535	0.1790B/0.1410A 0.1740B/0.1370A	0.1790B/0.1410A 0.1740B/0.1370A		0.1795 + 0.0075 0.1745 NEW	.5547 .5447			 14	100	16 UNCH 14 + 14
420 422 424		0.1485 	0.1690B/0.1330A 0.1595B/0.1250A 0.1500B/*0.1180	0.1690B/0.1330A 0.1595B/0.1250A 0.1500B/*0.1180		0.1695 + 0.0070 0.1600 + 0.0065 0.1505 + 0.0060	.5348 .5149 .4950			128 	100	1313 + 75 20 UNCH 13 UNCH
425 427	0.1360	0.1360 0.1350 0.1050	0.1460B/0.1145A 0.1370B/*0.1075 0.1250/0.0975A	0.1460B/0.1145A 0.1370B/*0.1075 0.1250/0.0975A		0.1460 + 0.0055 0.1375 NEW 0.1250 + 0.0045	.4852 .4656 .4365			181 15 20	500 	4358 - 500 15 + 15 596 + 9

# **METALS OPTIONS PRODUCTS**

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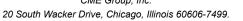
Side 42

PG64 BULLET	IN # 9@		ME	TALS OPTION PRO					Fri,	Jan 13,	, 2023 F	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	O INTER	PEN REST
HX CALL MAR23  435	COMEX COPPER OPT  0.1005 0.0860 0.0490 0.0495 0.0420 0.0280 0.0060	0.1065/0.0825A 0.0900B/0.0700A 0.0760B/0.0590A 0.0635B/0.0480A 0.0530B/0.0410A 0.0440B/0.0330 0.0360B/0.0275 0.0295/0.0225/0.0195A 0.0165B/0.0135A 0.0155B/0.0110A 0.0110B/0.0990A/0.0075A/0.0075A 0.0060/0.0050A	0.1065/0.0825A 0.0900B/0.0700A 0.0760B/0.0590A 0.0635B/0.0480A 0.0530B/0.0410A 0.0530B/0.0410A 0.0360B/0.0275 0.0295/0.0225/0.0195A 0.020B/0.0165A 0.0165B/0.0135B/0.0110A 0.0110B/0.0090A/0.0075A/0.0055A 0.0060/0.0050A	     	0.1070 + 0.0040 0.0910 + 0.0040 0.0770 + 0.0035 0.6645 + 0.0030 0.0540 + 0.0025 0.0450 + 0.0025 0.0310 + 0.0020 0.0310 + 0.0015 0.0210 + 0.0015 0.0175 + 0.0015 0.0120 + 0.0015 0.0120 + 0.0015 0.0120 + 0.0015 0.0095 + 0.0005 0.0080 + 0.0005 0.0085 + 0.0005 0.0065 + 0.0005 0.0025 - 0.0005 0.0020 - 0.0005 0.0025 - 0.0005 0.0025 - 0.0005	.3900 .3459 .3045 .2657 .2397 .1990 .1718 .1044 .0888 .0750 .0632 .0516 .0439 .0363 .0310 .0257 .0148 .0117 .0002			6 60	725 1750 1750 1750	1268 - 2495 - 1064 - 1094 - 458 - 1243 - 12558 + 839 + 632 - 1213 2 20 + 3 + 5 - 1 1 3 2 + 3 3 3 0 1 37590 +	368 39 UNCH 476 9 1 6 89 876 5 UNCH UNCH UNCH UNCH UNCH UNCH UNCH UNCH
APR23 335 340 355 367 373 373 380 381 385 380 391 406 410 415 425 425 425 426 427 0.150 436 447 0.150 456 475 0.150 480 0.0500 485 485 480 0.0500 485 485 480 0.0500 485 485 500 0.0335 515 520 530 545 550		#0. 8375B/0. 7585 #0.7445B/0. 6685/0. 5420A/0. 5260A #0. 5680B/0. 5015 #0. 4415B/0. 4260 #0. 4870B/0. 4260 #0. 4790B/0. 4190 #0. 4490B/0. 3375 #0. 4015B/0. 3360 #0. 3775B/0. 3260 #0. 3775B/0. 3260 #0. 380B/0. 360 #0. 380B/0. 2970A 0. 3140B/0. 2690A 0. 3870B/0. 2640A 0. 2630B/0. 2240A 0. 2630B/0. 2240A 0. 2575B/0. 2190A 0. 20320B/0. 1970A 0. 20320B/0. 1970A 0. 1865B/0. 1550 0. 1865B/0. 1580A 0. 1410A 0. 1410B/0. 1255A 0. 1325B/0. 1115A 0. 1175B/0. 0985A 0. 1410A 0. 1410B/0. 1255A 0. 1325B/0. 1115A 0. 1175B/0. 0985A 0. 1045B/0. 680A 0. 140B/0. 1255A 0. 1325B/0. 1155A 0. 1325B/0. 1155A 0. 1355B/0. 0355B/0. 0315A 0. 0335B/0. 0315A 0. 0335B/0. 0315A 0. 0355B/0. 0150A 0. 0175B/0. 01150A 0. 0175B/0. 01150A 0. 0175B/0. 01150A 0. 0155B/0. 0135A/0. 0085A/0. 0085A/0. 0085A/0. 0086A/0. 0086A/0. 0086A/0. 0086A	#0. 8375B/0. 7585 #0. 77445B/0. 6685 #0. 77445B/0. 6685 #0. 75420A #0. 5680B/0. 5015 #0. 5415B/0. 4790 #0. 4870B/0. 4260 #0. 4790B/0. 4190 #0. 4470B/0. 3910 #0. 4120B/0. 3575 #0. 4055B/0. 3510 #0. 3775B/0. 3260 #0. 3580B/0. 3865 #0. 3450B/0. 2970A 0. 3140B/0. 2690A 0. 2850B/0. 2690A 0. 2850B/0. 2690A 0. 2630B/0. 22430A 0. 2630B/0. 22430A 0. 2630B/0. 26		0.8820 + 0.0170 0.8350 + 0.0170 0.8350 + 0.0170 0.7425 + 0.0160 0.6970 + 0.0150 0.6095 + 0.0140 0.5925 + 0.0135 0.5675 + 0.0130 0.5425 + 0.0125 0.44870 + 0.0115 0.4490 + 0.0105 0.4495 + 0.0105 0.4495 + 0.0095 0.3780 + 0.0090 0.3580 + 0.0090 0.3580 + 0.0090 0.3580 + 0.0090 0.3580 + 0.0070 0.2850 + 0.0060 0.2630 + 0.0055 0.2630 + 0.0050 0.0055 + 0.0010 0.0635 + 0.0010 0.0635 + 0.0010 0.0635 + 0.0010 0.0385 + 0.0010 0.0385 + 0.0010 0.0385 UNCH 0.0075 UNCH 0.0075 UNCH 0.0055 UNCH 0.0005	.9467 .9374 .9157 .9022 .86867 .8479 .8350 .7743 .7451 .7389 .7142 .6947 .6815 .6476 .6126 .5840 .5366 .5840 .5366 .5840 .4340 .4367 .3363 .3366 .2788 .283 .2060 .2788 .283 .2060 .01335 .1196 .0843 .0756 .0843 .0756 .0843 .0756 .0843 .0756 .0843 .0756 .0843 .0856 .0876 .0843 .0856 .0876 .0843 .0856 .0876 .0843 .0856 .0876 .0843 .0856 .0843 .0856 .0876 .0843 .0856 .0843 .0856 .0876 .0843 .0856 .0843 .0856 .0843 .0856			16 16 165 165 165 10 10 10 395		6 16 19 17 56 1 1 1 7 444 19 15 260 2 21 7 9799 21 30 2444 2 68 313 504 - 13 726 + 243 + 248 31 4146 10 2072 + 10 6072 + 10 10 10 10 10 10 10 10 10 10 10 10 10	UNCH UNCH UNCH UNCH UNCH UNCH UNCH UNCH
MAY23 350 355 365 370 375 380 385 380 400 415 420 425 430 445 450 450 450 450 450 450 450 450 450 450 450 450 450 450 450 450 450 505 510 525 0.0335 530 526 550	0.2190 0.2190	#0.7590B/0.6880	#0.7590B/0.6880 #0.6305B/0.5685 #0.5915B/0.5300 #0.5520B/0.4935 0.5150B/0.4935 0.5150B/0.4935 0.4795B/0.4255A 0.4450B/0.3340A 0.3810B/0.3360A 0.3510B/0.3360A 0.3510B/0.3360A 0.2500B/0.2170A 0.2285B/0.1980A 0.2500B/0.2170A 0.2285B/0.1980A 0.1720B/0.1485A 0.1565B/0.1350A 0.1720B/0.1485A 0.1565B/0.1050A 0.1050B/0.0900A 0.0950B/0.0815A/0.0735A/0.0735A/0.0735A/0.0950A 0.1050B/0.0900A 0.0950B/0.0250A 0.1050B/0.0900A 0.0950B/0.0250A 0.03050B/0.0250A 0.03050B/0.0255A 0.0310B/0.0255A 0.0310B/0.0255A 0.0280B/0.0240A/0.0140A/0.0140A/0.0140A		0.7580 + 0.0145 0.7150 + 0.0140 0.6320 + 0.0125 0.5920 + 0.0115 0.5335 + 0.0110 0.5165 + 0.0095 0.4465 + 0.0095 0.4465 + 0.0095 0.3250 + 0.0055 0.3250 + 0.0055 0.3250 + 0.0055 0.2740 + 0.0040 0.3250 + 0.0040 0.2290 + 0.0035 0.2790 + 0.0030 0.1730 + 0.0025 0.1575 + 0.0020 0.1605 + 0.0010 0.0055 + 0.0005 0.00570 + 0.0005 0.00570 + 0.0005 0.00575 + 0.0005 0.00575 + 0.0005 0.00575 + 0.0005 0.0056 + 0.0005 0.0056 + 0.0005 0.0050 + 0.0005 0.0050 + 0.0005	.8856 .8705 .8348 .8144 .7927 .7693 .7447 .7183 .6911 .6627 .6335 .5736 .5432 .5130 .4831 .4537 .4250 .3370 .3370 .3370 .3370 .3703 .3196 .2737 .2522 .2327 .2140 .1968 .1513 .1386 .11513 .1386 .11513 .1386 .0961 .10877 .0672 .0553 .0506 .0280 .0031					110 4 4 25 28 185 22 40 + 21 158 10 1 246 377 - 173 + 16 54 47 211 211 211 3 113 3 260 100 110 100 110 100 110 100 110	UNCH UNCH
JUN23 260 355 370 380 400 410 410 420 430 435		/0.6745A #0.6215B/0.5635 #0.5495B/0.4960 #0.5155B/0.4645 0.4830B/0.4345A 0.4220B/0.3790A 0.3935B/0.3530A 0.3675B/0.3280A 0.3420B/0.3045A 0.3180B/0.2825A 0.2950B/0.2615A 0.2730B/0.2420A 0.2525B/0.2240A	/0.6745A #0.6215B/0.5635 #0.5495B/0.4960 #0.5155B/0.4645 0.4830B/0.4345A 0.4220B/0.3790A 0.3935B/0.3530A 0.3675B/0.3280A 0.3420B/0.3045A 0.3180B/0.2825A 0.2950B/0.2615A 0.2730B/0.2420A	     	1.6235 + 0.0190 0.7390 + 0.0125 0.6225 + 0.0105 0.5510 + 0.0090 0.5175 + 0.0085 0.4850 + 0.0080 0.4245 + 0.0070 0.3960 + 0.0060 0.3695 + 0.0060 0.3440 + 0.0055 0.3195 + 0.0045 0.2745 + 0.0035 0.2540 + 0.0030	.9822 .8430 .7884 .7463 .7235 .6999 .6255 .5999 .5741 .5482 .4967 .4714				      	1 8 9 2 24 14 48 15 14 1290 3 2781 16	UNCH UNCH UNCH UNCH UNCH UNCH UNCH UNCH

#### **METALS OPTIONS PRODUCTS**

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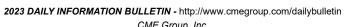




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PG64 BULLETIN # 9@ METALS OPTION PRODUCTS Fri, Jan 13, 2023 PG64 OPEN OUTCRY VOLUME GLOBEX OPEN OPEN OUTCRY OPEN RANGE GLOBEX HIGH/LOW OPEN OUTCRY HIGH/LOW OPEN OUTCRY CLOSE RANGE SETT.PRICE & PT.CHGE. DELTA EXER CISES GLOBEX® VOLUME PNT VOLUME HX CALL JUN23 440 445 450 475 480 485 490 500 515 520 0 525 530 540 555 570 COMEX COPPER OPTIONS 0.2335B/0.2065A
0.2155B/0.1905A
0.1985B/0.1755A
----/0.1155A
----/0.1155A
----/0.0970A
----/0.0820A
0.0850B/0.0755A
0.0600B/0.0530
----/0.0420A
----/0.0420A
----/0.0330A
----/0.0330A
----/0.0330A
----/0.0340A 0.2335B/0.2065A
0.2155B/0.1905A
0.1985B/0.1755A
---/0.1155A
---/0.1060A
---/0.0820A
0.0850B/0.0755A
---/0.0850B
0.0600B/0.0530
---/0.0455A
---/0.0420A
---/0.0330A
---/0.0330A
---/0.0330A
---/0.0340A --------755 132 1265 2657 1261 1280 633 8 1279 185 10 330 213 1483 20 11 16079 .0025 .0020 .0020 .0005 .0005 .0005 .0005 .0005 .0005 .0005 .0005 .0005 .0005 .0005 .0005 .0005 .0005 .0005 .0005 .0005 .4465 .4222 .3987 .2920 .2730 .2556 .2383 .2228 .2074 .1674 .1556 .1447 .1346 .1254 .1162 .1007 .1007 14 17 50 250 220 250 0. 0.0830 0.0830 0 0 0 0 0 65 2 64 ----27 0.0530 0.0530 2 UNCH UNCH UNCH 193 UNCH UNCH 1007 220 739 440 TOTAL JUL23
3500
3800
3800
3800
4000
4050
4250
4430
4455
4450
4450
4450
4555
5550
5555
5550
6000
700 #0.7975B/0.7355
#0.7195B/0.6615
0.5760B/0.5275A
0.5430B/0.4970A
0.5115B/0.4680A
0.4525B/0.4140A
0.4225B/0.3165A
0.3280B/0.2960A
0.3060B/0.2765A
0.2860B/0.2765A
0.2860B/0.2765A
0.2860B/0.2580A
---/0.2240A
---/0.12405A
---/0.1080A
---/0.1450A
0.1490B/0.1345A
---/0.1160A
0.1490B/0.1345A
---/0.140A
0.0650/0.0645A
---/0.0005A
---/0.0460A
---/0.0460A
---/0.0430A
---/0.0450A #0.7975B/0.7355
#0.7195B/0.6615
0.5760B/0.6615
0.5760B/0.6615
0.5760B/0.5275A
0.5430B/0.4970A
0.5115B/0.4680A
0.4525B/0.4140A
0.4255B/0.3165A
0.3280B/0.2960A
0.3606B/0.2580A
0.2860B/0.2580A
0.2085A
0.2085A
0.2085A
0.2085A
0.11680A
0.1940A
0.11680A
0.1940A
0.1490B/0.1345A
0.1660A
0.1490B/0.1345A
0.0650/0.0645A
0.00650/0.0645A
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0.00650/0.0650A
0.00650A
0.00650A 0.0120 0.0120 0.0080 0.0080 0.0070 0.0050 0.0045 0.0045 0.0040 0.0030 0.0020 0.0015 0.0005 0. 30 5 26 4 11 90 20 230 23 12 70 4 95 7 4270 3530 3305 3090 2885 2690 2510 2340 2175 1185 11755 11305 11515 1305 1125 0835 00670 240 10 1 44 50 10 65 1 6 10 26 8 6 10 30 1170 + 0.1395 10 ----------------16 TOTAL AUG23 260 270 350 400 405 470 825 0.0200 0.0195 0.0115 0.0055 NEW UNCH 0.0005 .9718 .9656 .8247 .6390 .6178 UNCH UNCH UNCH UNCH 9 7 1 10 4 9 1 9 ------------/1.4490A #0.8125B/0.7550 0.4780B/0.4430A 0.4515B/0.4130A ----/0.1820A --------/1.4490A #0.8125B/0.7550 0.4780B/0.4430A 0.4515B/0.4130A ----/0.1820A TOTAL SEP23 475 505 515 530 545 550 ----/0.2010A ----/0.1410A ----/0.1255A ----/\*0.1055A ----/\*0.0885A ----/\*0.0835A ----/0.2010A ----/0.1410A ----/0.1255A ----/\*0.1055A ----/\*0.0885A ----/\*0.0835A UNCH 0.0010 0.0005 0.0010 0.0010 0.0010 UNCH UNCH UNCH UNCH UNCH UNCH .3553 .2683 .2437 .2098 .1804 .1714 10 1 5 ----300 10 20 346 TOTAL OCT23 450 ----/\*0.2940A ---/\*0.2940A 0.3135 .4487 1 1 UNCH UNCH TOTAL NOV23 415 ---/\*0.4520A ---/\*0.4520A 40 + 40+ TOTAL DEC23 ----0.0080 0.0005 0.0015 0.0025 0.0025 350 425 435 465 475 500 700 TOTAL ----/0.8410A ----/\*0.4470A ----/\*0.4090A ----/\*0.3110A ----/\*0.2835A -/0.8410A -/\*0.4470A -/\*0.4090A -/\*0.3110A -/\*0.2835A .7840 .5453 .5124 .4191 .3903 .3242 .0645 UNCH UNCH UNCH UNCH UNCH UNCH UNCH ------------170 210 170 210 768 JAN24 350 500 0.0075 0.0005 TOTAL COMEX COPPER OPTIONS HX PUT FEB23 100 211 22 511 411 152 273 3966 717 233 3066 711 119 242 200 418 10 564 10 13 0.0010 0.0010 10 10 1033 4 0.0010/\*0.0010 145

# **METALS OPTIONS PRODUCTS**



CME Group, Inc.

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





PG6	4 BULLET:	IN # 9@	METALS OPTION PRODUCTS				Fri, Jan 13, 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 <sup>©</sup> VOLUME		OPEN INTEREST
HX P	3	COMEX COPPER OPTI				0.0015	0000					11 1111011
343 344 345						0.0015 UNCH 0.0015 UNCH 0.0015 UNCH	.0088 .0089 .0090					11 UNCH 26 UNCH 195 UNCH
346 347						0.0015 UNCH 0.0015 UNCH	.0091 .0092					30 UNCH 40 UNCH
348 349 350	)					0.0015 UNCH 0.0015 UNCH 0.0015 UNCH	.0093 .0094 .0096					391 UNCH 64 UNCH 1786 UNCH
351 352						0.0015 UNCH 0.0015 UNCH	.0097 .0098					61 UNCH 51 UNCH
353 354						0.0015 UNCH 0.0015 UNCH 0.0015 UNCH	.0100 .0101 .0102					45 UNCH 78 UNCH 505 UNCH
355 356 357						0.0015 UNCH 0.0015 UNCH 0.0015 UNCH	.0104					64 UNCH 35 UNCH
358 359		 0.0020	 0.0020/0.0020	 0.0020/0.0020		0.0015 UNCH 0.0015 UNCH 0.0015 UNCH	.0107 .0108 .0110			 		7 UNCH 54 UNCH 966 - 1
360 361 362						0.0015 UNCH 0.0015 - 0.0005	.0112			1 		966 - 1 62 UNCH 231 UNCH
363 364		 0.0025	 0.0025/*0.0025	 0.0025/*0.0025		0.0015 - 0.0005 0.0015 - 0.0005	.0115			 3		16 UNCH 121 UNCH 566 - 2
365 366 367	0.0025	0.0025	0.0025/*0.0025	0.0025/*0.0025		0.0015 - 0.0005 0.0015 - 0.0005 0.0015 - 0.0005	.0119 .0121 .0123			5		37 - 5 105 UNCH
368 369						0.0015 - 0.0010 0.0020 - 0.0005	.0125 .0160					20 UNCH 85 UNCH
370 371 372						0.0020 - 0.0005 0.0020 - 0.0005 0.0025 - 0.0005	.0163 .0166 .0201			3 		481 - 1 15 UNCH 10 UNCH
373 374			/*0.0030A	/*0.0030A		0.0025 - 0.0005 0.0025 - 0.0010	.0205					54 UNCH 5 UNCH
375 376 377	;	0.0030	0.0030/*0.0030 0.0040B/*0.0030 /*0.0030A	0.0030/*0.0030 0.0040B/*0.0030 /*0.0030A		0.0025 - 0.0010 0.0030 - 0.0005 0.0030 - 0.0010	.0213 .0249 .0254			1 		92 UNCH 16 UNCH 14 UNCH
378 379	3 )		0.0045B/*0.0030 0.0050B/*0.0035	0.0045B/*0.0030 0.0050B/*0.0035		0.0030 - 0.0010 0.0035 - 0.0010	.0259					55 UNCH 95 UNCH
380 381		0.0060	0.0060/*0.0035A 0.0060B/*0.0035 0.0065B/*0.0040	0.0060/*0.0035A 0.0060B/*0.0035 0.0065B/*0.0040		0.0035 - 0.0010 0.0035 - 0.0015 0.0040 - 0.0010	.0303 .0309 .0349			7 		364 + 5 78 UNCH 102 UNCH
382 383 384			0.00/0B/*0.0040 0.0080B/*0.0045	0.0070B/*0.0040 0.0080B/*0.0045		0.0040 - 0.0015 0.0045 - 0.0010	.0356					211 UNCH 37 UNCH
385 386			0.0085B/*0.0045 0.0095B/*0.0050	0.0085B/*0.0045 0.0095B/*0.0050 0.0100B/*0.0050		0.0050 - 0.0010 0.0050 - 0.0015 0.0055 - 0.0015	.0437 .0447 .0489			 		274 UNCH 54 UNCH 34 UNCH
387 388 389	3 )		0.0110B/*0.0055 0.0125B/*0.0060	0.0110B/*0.0055 0.0125B/*0.0060		0.0060 - 0.0020 0.0060 - 0.0025	.0532					19 UNCH 23 UNCH
390 391 392		0.0115	0.01108/*0.0050 0.01108/*0.0055 0.01258/*0.0060 0.01358/*0.0065 0.01508/*0.0070 0.01608/*0.0070 0.01758/*0.0080 0.01908/*0.0085	0.0135B/*0.0065 0.0150B/*0.0070 0.0160B/*0.0070		0.0065 - 0.0025 0.0070 - 0.0025 0.0080 - 0.0025	.0589 .0635 .0712			2 		562 - 1 39 UNCH 1 UNCH
393 394			0.0175B/*0.0080 0.0190B/*0.0085	0.0175B/*0.0080 0.0190B/*0.0085		0.0085 - 0.0030 0.0090 - 0.0035	.0759 .0808					17 UNCH 4 UNCH
395 396 397	5	0.0135  0.0105	0.0210B/*0.0090 0.0225B/*0.0095 0.0245B/*0.0105	0.0210B/*0.0090 0.0225B/*0.0095 0.0245B/*0.0105		0.0100 - 0.0035 0.0110 - 0.0035 0.0120 - 0.0040	.0888 .0967 .1048			1  109		149 UNCH 39 UNCH 106 + 85
398 398	0.0245	0.0245	0.0265B/*0.0115 0.0290B/*0.0125	0.0265B/*0.0115 0.0290B/*0.0125		0.0130 - 0.0045 0.0140 - 0.0045	.1130 .1214			 6		12 UNCH 14 + 5
400 401		0.0255	0.01908/*0.0085 0.02108/*0.0090 0.02258/*0.0095 0.02458/*0.0105 0.02658/*0.0115 0.02908/*0.0125 0.03158/*0.0135 0.03658/*0.0145 0.03658/*0.0160 0.03958/*0.0175	0.0315B/*0.0135 0.0340B/*0.0145 0.0365B/*0.0160		0.0155 - 0.0050 0.0170 - 0.0050 0.0180 - 0.0055	.1323 .1434 .1522			468  10	100	496 + 342 4 UNCH 85 + 10
402 403 404				0.0395B/*0.0175 0.0425B/*0.0190		0.0200 - 0.0055 0.0215 - 0.0060	.1658 .1772					50 UNCH 77 UNCH
405 406 407		0.0275  0.0445	0.0455B/*0.0210 0.0490B/*0.0225 0.0525B/*0.0245	0.0455B/*0.0210 0.0490B/*0.0225 0.0525B/*0.0245		0.0235 - 0.0060 0.0255 - 0.0065 0.0275 - 0.0070	.1909 .2047 .2186			76  4		265 + 48 8 UNCH 36 + 4
408 409	3 )		0.0565B/*0.0270 0.0610B/*0.0295	0.0565B/*0.0270 0.0610B/*0.0295		0.0295 - 0.0075 0.0320 - 0.0080	.2328					23 UNCH 16 UNCH
410 411 414	0.0400	0.0530 0.0400 0.0455	0.0655B/*0.0320 0.0700B/*0.0345 0.0845B/*0.0440	0.0655B/*0.0320 0.0700B/*0.0345 0.0845B/*0.0440		0.0350 - 0.0080 0.0375 - 0.0090 0.0470 - 0.0100	.2664 .2826 .3373			131 10 2	75 	474 + 153 22 + 10 2 - 1
415 416	0.0705	0.0705	0.0900B/*0.0480 0.0955B/*0.0515	0.0900B/*0.0480 0.0955B/*0.0515		0.0510 - 0.0100 0.0545 - 0.0105	.3572 .3763			18		57 + 4 150 UNCH
417 418 420	0.0790	0.0790 0.0810	0.1015B/*0.0555 0.1075B/*0.0595 0.1200B/*0.0685	0.1015B/*0.0555 0.1075B/*0.0595 0.1200B/*0.0685		0.0585 - 0.0110 0.0625 - 0.0115 0.0715 - 0.0125	.3963 .4164 .4576			12 55		27 UNCH 34 UNCH 162 + 55
423 424			0.1400B/*0.0835 0.1470B/*0.0890	0.1400B/*0.0835 0.1470B/*0.0890		0.0865 - 0.0135 0.0920 - 0.0135	.5200 .5407					8 UNCH 1 UNCH
425 430 431	0.1270	0.1270 	0.1540B/*0.0950 0.1925B/*0.1260 #0.2005B/*0.132	0.1540B/*0.0950 0.1925B/*0.1260 #0.2005B/*0.132		0.0975 - 0.0140 0.1290 - 0.0155 0.1360 - 0.0155	.5609 .6596 .6776			50		2 UNCH 51 + 50 1 UNCH
435 438	0.2235	0.2235	0.2345B/*0.1615 #0.2405B/*0.185	0.2345B/*0.1615 #0.2405B/*0.185		0.1650 - 0.0170 0.1890 NEW	.7443 .7887			2		1 UNCH 2 + 2
439 450 480	)	0.2385 	#0.2495B/*0.193 0.3720B/*0.2900	#0.2495B/*0.193 0.3720B/*0.2900		0.1970 NEW 0.2930 - 0.0185 0.5840 - 0.0195	.8027 .9100 .9946			2 		2 + 2 1 UNCH 1 UNCH
TOTA	۸L								175	1004		16490 + 758
150 175	) ;					0.0005 UNCH 0.0005 UNCH	.0000					1 UNCH 3 UNCH
200 220 225	)					0.0005 UNCH 0.0005 UNCH 0.0005 UNCH	.0002 .0011 .0015					30 UNCH 12 UNCH 86 UNCH
230 235	) ;					0.0010 UNCH 0.0010 UNCH	.0028			 5		17 UNCH 22 UNCH
240 245 250						0.0010 UNCH 0.0010 UNCH 0.0010 UNCH	.0030 .0031 .0032					2 UNCH 2 UNCH 2711 UNCH
255 260	; )					0.0015 UNCH 0.0015 UNCH	.0047					2 UNCH 74 UNCH
265 270 275	)					0.0020 + 0.0005 0.0020 UNCH 0.0020 UNCH	.0064 .0066 .0069			 5		20 UNCH 1 UNCH 1695 UNCH
280 285	) ;					0.0025 UNCH 0.0025 UNCH	.0085					18 UNCH 14 UNCH
290 295 300						0.0025 UNCH 0.0030 UNCH 0.0030 UNCH	.0092 .0111 .0116			1		300 UNCH 24 UNCH 408 UNCH
305 310	0.0040	0.0040	0.0045/*0.0030	0.0045/*0.0030		0.0030 - 0.0005 0.0035 UNCH 0.0035 - 0.0005	.0121			12		232 UNCH 41 + 1 37 UNCH
315 320 325	0.0050	0.0050 0.0055	0.0050/*0.0050 0.0055/0.0055	0.0050/*0.0050 0.0055/0.0055		0.0035 - 0.0003 0.0045 UNCH 0.0050 UNCH	.0148 .0188 .0213			2 2		37 UNCH 461 - 1 619 - 2
330 335	) ;	0.0080	0.0070B/ 0.0085B/*0.0080	0.0070B/		0.0055 - 0.0005 0.0065 UNCH	.0241			2 126	180	1767 UNCH 215 UNCH
340 341 342		0.0080 	0.0090B/ 0.0095B/	0.0085B/*0.0080 0.0090B/ 0.0095B/		0.0075 - 0.0005 0.0075 - 0.0005 0.0080 - 0.0005	.0334 .0337 .0357				189 	3692 - 17 50 UNCH 10 UNCH
343 344 345			0.0100B/*0.0085 0.0100B/*0.0085 0.0105B/*0.0090	0.0100B/*0.0085 0.0100B/*0.0085 0.0105B/*0.0090		0.0080 - 0.0010 0.0080 NEW 0.0085 - 0.0010	.0361 .0365 .0385			2		1 UNCH 2 + 2 36 UNCH
346 347			0.0110B/*0.0090 0.0115B/*0.0095	0.0110B/*0.0090 0.0115B/*0.0095		0.0085 - 0.0015 0.0090 - 0.0010	.0389					4 UNCH 22 UNCH
348 349 350	0.0100	0.0100 0.0130	0.0120B/*0.0100 0.0125B/*0.0100 0.0130/*0.0105A	0.0120B/*0.0100 0.0125B/*0.0100 0.0130/*0.0105A		0.0095 - 0.0010 0.0095 NEW 0.0100 - 0.0010	.0430 .0435 .0456			5 2		27 UNCH 5 + 5 894 - 1
351 352			0.0135B/*0.0105 0.0140B/*0.0110	0.0135B/*0.0105 0.0140B/*0.0110		0.0100 - 0.0015 0.0105 - 0.0015	.0461					10 UNCH 7 UNCH
353 355 356	0.0145	0.0115 0.0145 	0.0145B/*0.0115 0.0160B/*0.0120 0.0165B/*0.0125	0.0145B/*0.0115 0.0160B/*0.0120 0.0165B/*0.0125		0.0110 NEW 0.0115 - 0.0020 0.0120 - 0.0020	.0504 .0531 .0553			5 10 		5 + 5 279 UNCH 32 UNCH
358 359			0.0180B/*0.0135 0.0190B/*0.0140	0.0180B/*0.0135 0.0190B/*0.0140		0.0130 - 0.0020 0.0135 - 0.0020	.0598					1 UNCH 1 UNCH
360 361 362	0.0145	0.0170 0.0145 	0.0200B/*0.0145 0.0205B/*0.0145 0.0215B/*0.0155	0.0200B/*0.0145 0.0205B/*0.0145 0.0215B/*0.0155		0.0140 - 0.0025 0.0145 - 0.0025 0.0155 - 0.0020	.0643 .0666 .0704			1 5 		695 UNCH 27 - 1 21 UNCH
363			0.0225B/*0.0160	0.0225B/*0.0160		0.0160 - 0.0025	.0728					71 UNCH

#### **METALS OPTIONS PRODUCTS**

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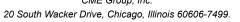


PG64 BULLETIN # 9@ METALS OPTION PRODUCTS Fri, Jan 13, 2023 PG64 OPEN OUTCRY VOLUME GLOBEX OPEN OPEN OUTCRY OPEN RANGE GLOBEX HIGH/LOW OPEN OUTCRY HIGH/LOW OPEN OUTCRY CLOSE RANGE SETT.PRICE & PT.CHGE. DELTA EXER CISES GLOBEX® VOLUME OPEN INTEREST PNT VOLUME 0.0235B/\*0.0165
0.0245B/\*0.0175
0.0280B/\*0.0195
0.0290B/\*0.0200
0.0300B/\*0.0200
0.0315B/\*0.0225
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# **METALS OPTIONS PRODUCTS**

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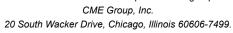


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	D 5	# 00		ME	TALS OPTION PRO	NICTS.					7am 12	2022	
PG64	BULLET	IN # 9@ OPEN OUTCRY	GLOBEX	OPEN OUTCRY	TALS OPTION PROP	SETT.PRICE			OPEN	Fr1,	Jan 13,	2023	PG64
	OPEN	OPEN RANGE	HIGH/LOW	HIGH/LOW	CLOSE RANGE	& PT.CHGE.	DELTA	EXER CISES	OUTCRY VOLUME	GLOBEX <sup>®</sup> VOLUME	PNT VOLUME	INTE	OPEN REST
HX PUT	Т	COMEX COPPER OPTI	CONS										
410 415			0.2455B/*0.2020 0.2710B/*0.2250			0.2055 - 0.0140 0.2290 - 0.0140	.3959					15 2	UNCH
435 440 TOTAL			0.3895B/*0.3330 0.4220B/*0.3645	0.3895B/*0.3330 0.4220B/*0.3645		0.3375 - 0.0160 0.3680 - 0.0165	.5460 .5746			37		2 1 2747 +	UNCH UNCH 20
JUN23 250						0.0065 - 0.0005	.0148					1	UNCH
255 280			 /*0.0120A	 /*0.0120A		0.0070 - 0.0010 0.0115 - 0.0015	.0161 .0275					1 10	UNCH
290 295			/*0.0145A /*0.0165A	/*0.0145A /*0.0165A		0.0140 - 0.0020 0.0155 - 0.0025	.0340					10 2	UNCH
300 315 320			/*0.0185A 0.0310B/*0.0260 0.0355B/*0.0295	/*0.0185A 0.0310B/*0.0260 0.0355B/*0.0295		0.0175 - 0.0030 0.0260 - 0.0035 0.0295 - 0.0040	.0426 .0620 .0699					28 11 10	UNCH UNCH UNCH
325 330	0.0390	0.0390	0.0410B/*0.0335 0.0465B/*0.0380	0.0410B/*0.0335 0.0465B/*0.0380		0.0340 NEW 0.0385 - 0.0045	.0794 .0891					8 + 1	8 UNCH
340 345 350			0.0605B/*0.0490 0.0690B/*0.0555 0.0785B/*0.0630	0.0605B/*0.0490 0.0690B/*0.0555 0.0785B/*0.0630		0.0500 - 0.0055 0.0570 - 0.0060 0.0645 - 0.0065	.1124 .1260 .1404					7 110 3	UNCH UNCH UNCH
355 360	0.0825	0.0825	0.0885B/*0.0715 0.1000B/*0.0795	0.0885B/*0.0715 0.1000B/*0.0795		0.0735 - 0.0065 0.0830 - 0.0075	.1566 .1735			 55		2 321 +	UNCH 55
365 370 375			0.1130B/*0.0915 0.1265B/*0.1030 0.1420B/*0.1160	0.1130B/*0.0915 0.1265B/*0.1030 0.1420B/*0.1160		0.0935 - 0.0080 0.1055 - 0.0085 0.1185 - 0.0095	.1916 .2112 .2318					20 109 4	UNCH UNCH UNCH
380 385			0.1585B/*0.1300 0.1760B/*0.1455	0.1585B/*0.1300 0.1760B/*0.1455		0.1325 - 0.0105 0.1485 - 0.0105	.2533 .2761					8 26	UNCH UNCH
390 395 400			0.1955B/*0.1620 0.2160B/*0.1805 0.2380B/*0.2000	0.1955B/*0.1620 0.2160B/*0.1805 0.2380B/*0.2000		0.1655 - 0.0115 0.1840 - 0.0120 0.2035 - 0.0130	.2996 .3239 .3487					94 18 6	UNCH UNCH UNCH
420 500			0.3395B/*0.2920 0.9245B/*0.8525	0.3395B/*0.2920 0.9245B/*0.8525		0.2965 - 0.0145 0.8540 - 0.0195	.4514 .7922					24 1	UNCH
530 550			1.1930B/*1.1155 1.3795B/*1.3000 1.4745B/*1.3940	1.1930B/*1.1155 1.3795B/*1.3000 1.4745B/*1.3940		1.1170 - 0.0195 1.3015 - 0.0190 1.3955 - 0.0190	.8651 .8990 .9134					1 1 1	UNCH UNCH UNCH
560 570 TOTAL			1.5705B/*1.4895	1.5705B/*1.4895		1.4905 - 0.0195	.9249			63		1 839+	UNCH 63
JUL23 200						0.0030 - 0.0005	.0060					25	UNCH
235 260						0.0070 - 0.0005 0.0115 - 0.0010	.0143 .0241					23 65	UNCH UNCH
270 295 300			 /*0.0245A 0.0300B/*0.0275	/*0.0245A 0.0300B/*0.0275		0.0135 - 0.0015 0.0230 - 0.0030 0.0260 - 0.0030	.0289 .0495 .0555					10 50 1	UNCH UNCH UNCH
310 315			0.0385B/*0.0340 0.0435B/*0.0380	0.0385B/*0.0340 0.0435B/*0.0380		0.0330 - 0.0035 0.0370 - 0.0045	.0695 .0774					20 6	UNCH UNCH
320 325			0.0490B/*0.0425 0.0555B/*0.0475 0.0625B/*0.0535	0.0490B/*0.0425 0.0555B/*0.0475 0.0625B/*0.0535		0.0420 - 0.0045 0.0470 - 0.0055 0.0535 - 0.0055	.0867 .0961 .1075					1 1 60	UNCH UNCH UNCH
330 345 350			0.0890B/*0.0745 0.0995B/*0.0835	0.0890B/*0.0745 0.0995B/*0.0835		0.0760 - 0.0070 0.0855 - 0.0075	.1458					65 8	UNCH
360 370			0.1245B/*0.1040 0.1535B/*0.1290 0.1700B/*0.1435	0.1245B/*0.1040 0.1535B/*0.1290 0.1700B/*0.1435		0.1070 - 0.0080 0.1320 - 0.0095	.1935					2 300	UNCH
375 380 390			0.1870B/*0.1585 0.2260B/*0.1930	0.1870B/*0.1585 0.2260B/*0.1930		0.1460 - 0.0100 0.1610 - 0.0110 0.1945 - 0.0135	.2487 .2687 .3108					8 21 502	UNCH UNCH UNCH
395 400	0.2190	0.2190	0.2475B/*0.2120 0.2700B/*0.2325	0.2475B/*0.2120 0.2700B/*0.2325 0.2940B/*0.2540		0.2135 - 0.0140 0.2345 - 0.0140	.3330			2		12 + 1	2 UNCH
405 410 415			0.2940B/*0.2540 0.3195B/*0.2770 0.3455B/*0.3010	0.2940B/*0.2540 0.3195B/*0.2770 0.3455B/*0.3010		0.2565 - 0.0140 0.2795 - 0.0145 0.3045 - 0.0145	.3788 .4019 .4252					20 1 3	UNCH UNCH UNCH
420 430			0.3730B/*0.3265 0.4315B/*0.3805	0.3730B/*0.3265 0.4315B/*0.3805		0.3300 - 0.0145 0.3845 - 0.0155	.4485 .4947					1 7	UNCH
TOTAL AUG23										2		1213+	2
255 375			0.1935B/*0.1680 0.2520B/*0.2195	0.1935B/*0.1680 0.2520B/*0.2195		0.0125 - 0.0015 0.1690 - 0.0120	.0249					10	UNCH
390 400 405			0.2520B/*0.2195 0.2970B/*0.2600 0.3215B/*0.2820	0.2520B/*0.2195 0.2970B/*0.2600 0.3215B/*0.2820		0.2215 - 0.0140 0.2625 - 0.0150 0.2845 NEW	.3189 .3605 .3817			 9		3 1 9 +	UNCH UNCH 9
420 TOTAL			0.4005B/*0.3550	0.4005B/*0.3550		0.3575 - 0.0170	.4461			9		1 27+	UNCH 9
SEP23 275						0.0235 - 0.0020	.0438					10	UNCH
315 350 395	0.2760	 0.2760	0.0645B/*0.0615 0.1365B/*0.1245 0.2985B/*0.2720	0.0645B/*0.0615 0.1365B/*0.1245 0.2985B/*0.2720		0.0575 - 0.0055 0.1210 - 0.0095 0.2670 - 0.0150	.0999 .1869 .3442			 2		300 2	UNCH UNCH UNCH
	0.3000	0.3000	0.3220B/*0.2935 0.3465B/*0.3160	0.3220B/*0.2935 0.3465B/*0.3160		0.2885 - 0.0155 0.3110 - 0.0160	.3638			1		1 - 1	1 UNCH
	0.3910	0.3910	0.3985B/*0.3645 0.4260B/*0.3840	0.3985B/*0.3645 0.4260B/*0.3840		0.3595 - 0.0170 0.3855 - 0.0170	.4234 .4434			3 6		1 5 + 324+	UNCH 3 2
NOV23			#0 44505 /*O 410	#0 44605 (*0 410		0.4005	4210						
415 TOTAL			#0.4460B/*0.418	#0.4460B/*0.418		0.4095 NEW	.4219			40 40		40 + 40 +	40 40
BEC23 825						4.0295 - 0.0205	.9771					2 2	UNCH
TOTAL FEB24													
360 TOTAL						0.2450 - 0.0100	.2559					4 4	UNCH
JAN23		COPPER OPTIONS				0 4160 . 0 0100		16		6		0 -	16
380 380 385			/0.3345A 	/0.3345A 		0.4160 + 0.0190 0.4170 + 0.0190 0.3670 + 0.0180	.9905 .9849	16 		6 		13 5	16 UNCH UNCH
385 390			  #0 3250R/0 2490	 #0 32508/0 2490		$0.3710 + 0.0180 \\ 0.3160 + 0.0190$	.9525  .9313	 4				20 0 - 5	UNCH 4
390 395 395			#0.3250B/0.2490 	#0.3250B/0.2490 		0.3235 + 0.0170 0.2660 + 0.0185 0.2775 + 0.0160	.9313	11 				0 - 6	UNCH 11 UNCH
400 405						0.2160 + 0.0180 0.1660 + 0.0175		60 10		1		0 -	60 10
410 410 415	0.0175	 0.0175	/0.0385A 0.1545B/0.1035A 0.0330/0.0115A	/0.0385A 0.1545B/0.1035A 0.0330/0.0115A		0.1160 + 0.0150 0.1545 + 0.0110 0.0660 + 0.0075	.7223	10  28		 12		0 - 10 0 -	10 UNCH 37
420 420	0.0055	0.0055	0.0100/0.0025A 0.0660B/0.0330A	0.0100/0.0025A 0.0660B/0.0330A		0.0160 - 0.0115 0.0660 + 0.0060	.5533	12 		10		0 -	9 UNCH
	0.0010 0.0335	0.0010 0.0335	0.0010/*0.0005A 0.0420B/0.0205A /*0.0010A	0.0010/*0.0005A 0.0420B/0.0205A /*0.0010A		0.0000 - 0.0100 0.0425 + 0.0035 0.0000 - 0.0030	.4073			1 3 		0 - 4 + 0 -	7 2 27
430 435	0.0190	0.0190	0.0255B/0.0125A	0.0255B/0.0125A		$0.0260 + 0.0020 \\ 0.0000 - 0.0005$	.2761			2		15 + 0 -	1 3
435 440 445	0.0095	0.0095 	0.0150B/0.0080A /0.0050A /0.0030A	0.0150B/0.0080A /0.0050A /0.0030A		0.0155 + 0.0010 0.0090 + 0.0005 0.0050 UNCH	.1754 .1057 .0601			4 1 		6 + 5 6	2 UNCH UNCH
450 TOTAL			/0.0020A	/0.0020A		0.0030 UNCH	.0354			40		2 99 -	UNCH 189
FEB23 415			0.1470B/0.1050A	0.1470B/0.1050A		0.1470 + 0.0085	.6078					10	UNCH
420 430			0.1195B/0.0840A 0.0755B/0.0520A	0.1195B/0.0840A 0.0755B/0.0520A		0.1200 + 0.0075 0.0765 + 0.0050	.5359					1 10 21	UNCH
HXE PL	UT	COPPER OPTIONS										21	
JAN23 330 335						0.0000 - 0.0005 0.0000 - 0.0005						0 - 0 -	1 1
340 350						0.0000 - 0.0005 0.0000 - 0.0005						0 -	1 1 21
355			PEDORT TO COMPTLE			0.0000 - 0.0005						0 -	

# **METALS OPTIONS PRODUCTS**

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





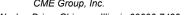


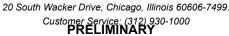
PG64 BULLETIN # 9@ METALS OPTION PRODUCTS Fri, Jan 13, 2023 P							PG64						
(	GLOBEX OPEN	OPEN OUTCRY OPEN RANGE	GLOBEX HIGH/LOW	OPEN OUTCRY HIGH/LOW	OPEN OUTCRY CLOSE RANGE	SETT.PRICE & PT.CHGE.	DELTA	EXER CISES	OPEN OUTCRY VOLUME	GLOBEX® VOLUME	PNT VOLUME	INTE	OPEN REST
HXE PUT JAN23	т	COPPER OPTIONS				0.0005 UNCH	.0000					1	UNCU
355 360 360						0.0005 UNCH 0.0000 - 0.0005 0.0005 UNCH	.0000					0 - 1	UNCH 1 UNCH
365 370						0.0005 UNCH 0.0000 - 0.0005	.0006					1 0 -	UNCH 9
370 375 375						0.0005 - 0.0005 0.0000 - 0.0005 0.0005 - 0.0010	.0018					32 0 - 11	UNCH 11 UNCH
380 380						0.0000 - 0.0005 0.0010 - 0.0010	.0094					0 - 32	114 UNCH
380 385 385			0.0070B/*0.0045 	0.0070B/*0.0045		0.0040 - 0.0010 0.0000 - 0.0005 0.0015 - 0.0010	.0338  .0149					9 0 - 12	UNCH 16 UNCH
390 390			 0.0045B/*0.0030	 0.0045B/*0.0030		0.0000 - 0.0005 0.0020 - 0.0015	.0216					0 - 2	82 UNCH
390 395			0.0160B/*0.0080  /*0.0010A	0.0160B/*0.0080  /*0.0010A		0.0080 - 0.0020 0.0000 - 0.0010 0.0000 - 0.0015	.0683					2 0 - 0 -	UNCH 102 44
400 400 405			0.0155B/*0.0060	0.0155B/*0.0060 /*0.0010A		0.0055 - 0.0040 0.0000 - 0.0020	.0637					2 0 -	UNCH 212
410 410	0.0020	 0.0020	0.00558/*0.0010 0.04408/*0.0170 0.02758/*0.0005 0.06858/*0.0290 0.06908/*0.0005 0.10008/*0.0470 0.12358/*0.0745	0.0055B/*0.0010 0.0440B/*0.0170 0.0275B/*0.0005		0.0000 - 0.0045 0.0180 - 0.0080 0.0000 - 0.0120	.1947					0 - 10 0 -	11 UNCH 13
415 0 420 0	0.0340 0.0300	0.0340 0.0300	0.0685B/*0.0290 0.0690B/*0.0005	0.0685B/*0.0290 0.0690B/*0.0005		0.0310 NEW 0.0000 NEW	.3083			1 2		1 +	1 UNCH
420 0 420	0.0795	0.0795	0.1000B/*0.0470 0.1235B/*0.0745 0.1795B/*0.1070	0.1000B/*0.0470 0.1235B/*0.0745		0.0500 NEW 0.0765 - 0.0120	.4464					22 + 10	UNCH
430 TOTAL			0.17938/~0.1070	0.1795B/*0.1070		0.1100 - 0.0175	.7237			34		1 149 -	UNCH 636
FEB23 375 395			0.0125B/*0.0085 0.0430B/*0.0255	0.0125B/*0.0085 0.0430B/*0.0255		0.0085 - 0.0015 0.0260 - 0.0050	.0551 .1583					1 1	UNCH
400 425			0.0575B/*0.0345 0.1815B/*0.1280	0.0575B/*0.0345 0.1815B/*0.1280		0.0355 - 0.0060 0.1300 - 0.0135	.2055					1 2	UNCH
TOTAL				ALUM	INIUM OPTIONS ON	FUTURES						5	
	GLOBEX	OPEN OUTCRY	GLOBEX	OPEN OUTCRY	OPEN OUTCRY	SETT.PRICE		EXER	OPEN OUTCRY	GLOBEX®	PNT		OPEN
`	OPEN	OPEN RANGE	HIGH/LOW	HIGH/LOW	CLOSE RANGE	& PT.CHGE.	DELTA	CISES	VOLUME		VOLUME	INTE	REST
AX OPT FEB23		ALUMINUM OPTION											
225000 230000 237500			 /*3.50A #270.50B/210.00	/*3.50A #270.50B/210.00A		1.25 - 1.50 2.00 - 2.75 257.50 + 44.25						2 12 2	UNCH UNCH UNCH
240000 240000			/*7.25A #247.00B/188.00	/*7.25A #247.00B/188.00A		6.50 - 6.50 234.25 + 43.00						5 5	UNCH UNCH
255000 257500 260000			119.50B/76.00A /*39.25A 86.00B/52.00A	119.50B/76.00A /*39.25A 86.00B/52.00A		111.75 + 29.25 42.75 - 23.25 81.50 + 23.25						10 2 50	UNCH UNCH UNCH
265000 270000			59.75B/34.75A 39.75B/22.75A	59.75B/34.75A 39.75B/22.75A		57.75 + 17.50 40.25 + 13.00						100 50	UNCH UNCH
280000 282500 285000			16.00B/10.00A 12.25B/8.25A 9.50B/6.75A	16.00B/10.00A 12.25B/8.25A 9.50B/6.75A		18.75 + 6.25 15.50 + 5.25 12.75 + 4.25						51 102 51	UNCH UNCH UNCH
TOTAL MAR23			, , ,	, ,							0	442	0
222500 232500			/*11.00A /*20.25A	/*11.00A /*20.25A		9.50 - 4.50 18.75 - 7.75						2 2	UNCH UNCH
275000 305000 TOTAL			71.50B/52.25A 17.75B/13.75A	71.50B/52.25A 17.75B/13.75A		71.00 + 16.00 19.75 + 5.00					 0	1 2 7	UNCH UNCH 0
				PLA	TINUM 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			INTE	OPEN REST
PAO CAL	LL	NYMEX PALLADIUM	OPTIONS						VOLUME	VOLUME	VOLUME		
FEB23 1900 2000						7.20 - 2.50 1.20 - 0.80	.1209 .0194					1 89	UNCH
TOTAL JUN23												90	0
1850 1950						163.80 - 3.70 126.90 NEW	.5100 .4280				125	1 125 +	UNCH 125 250
2100 2250						86.80 NEW 60.30 NEW	.3217 .2392		 500		250 125	250 + 125 + 501 +	250 125 500
PAO PUT	Т	NYMEX PALLADIUM	OPTIONS						300			JU1 +	300
FEB23 1720 1800						13.50 - 2.20 44.80 - 1.60	.2125 .5482					1 1 2	UNCH
TOTAL SEP23												2	0
1795 TOTAL						229.70 + 1.70	.4223					1	UNCH 0
PO CALL FEB23	L	PLATINUM OPTIONS	5										
			25.00.05.00	26.00/26.00		68.00 - 11.50 28.60 - 9.40 11.60 - 7.00	.9779 .7533 .4200			25		2 21 - 2	UNCH 6 UNCH
1080 1100	26.00	26.00	26.00/26.00			11.00 - 7.00	.2262					50	UNCH
1105		26.00  	26.00/26.00  /*6.50A 	/*6.50A		5.60 - 4.70 4.50 - 4.20	.1868					3	
1110 1115	26.00		/*6.50A	/*6.50A		4.50 - 4.20 3.70 - 3.60 2.90 - 3.20	.1868 .1550 .1241					1 1	UNCH UNCH
1110 1115 1120 1125 1130	26.00		/*6.50A   	/*6.50A    	   	4.50 - 4.20 3.70 - 3.60 2.90 - 3.20 2.30 - 2.80 1.90 - 2.30 1.50 - 1.90	.1868 .1550 .1241 .0994 .0815					1 1 2 3	UNCH UNCH UNCH UNCH UNCH
1110 1115 1120 1125 1130 1135 1140	26.00		/*6.50A  	/*6.50A   	  	4.50 - 4.20 3.70 - 3.60 2.90 - 3.20 2.30 - 2.80 1.90 - 2.30 1.50 - 1.90 1.10 - 1.70 0.90 - 1.40	.1868 .1550 .1241 .0994 .0815 .0645 .0479					1 1 2 3 1	UNCH UNCH UNCH UNCH UNCH UNCH UNCH
1110 1115 1120 1125 1130 1135 1140 1145 1150 1155	26.00	      	/*6.50A      	/*6.50A       	     	4.50 - 4.20 3.70 - 3.60 2.90 - 3.20 2.30 - 2.80 1.90 - 2.30 1.50 - 1.90 1.10 - 1.70 0.90 - 1.40 0.70 - 1.20 0.50 - 1.00 0.40 - 0.80	.1868 .1550 .1241 .0994 .0815 .0645 .0479 .0386 .0297 .0212		     			1 1 2 3 1 1 1 1	UNCH UNCH UNCH UNCH UNCH UNCH UNCH UNCH
1110 1115 1120 1125 1130 1135 1140 1145 1150 1155 1170 1200	26.00	      	/*6.50A     	/*6.50A      	    	4.50 - 4.20 3.70 - 3.60 2.90 - 3.20 2.30 - 2.80 1.90 - 2.30 1.50 - 1.90 0.90 - 1.40 0.70 - 1.20 0.50 - 1.00	.1868 .1550 .1241 .0994 .0815 .0645 .0479 .0386 .0297					1 1 2 3 1 1 1	UNCH UNCH UNCH UNCH UNCH UNCH UNCH UNCH
1110 1115 1120 1125 1130 1135 1140 1145 1150 1155 1170 1200 TOTAL	26.00		/*6.50A       	/*6.50A       		4.50 - 4.20 3.70 - 3.60 2.90 - 3.20 2.30 - 2.80 1.90 - 2.30 1.50 - 1.90 0.90 - 1.40 0.70 - 1.20 0.50 - 1.00 0.40 - 0.80 0.20 - 0.50 0.10 - 0.10	.1868 .1550 .1241 .0994 .0815 .0645 .0479 .0386 .0297 .0212 .0166 .0078 .0005					1 1 2 3 1 1 1 1 1 20 112 -	UNCH UNCH UNCH UNCH UNCH UNCH UNCH UNCH
1110 1115 1120 1125 1130 1135 1140 1145 1150 1155 1170 1200 TOTAL MAR23 1100 1200 TOTAL	26.00	      	/*6.50A      	/*6.50A       		4.50 - 4.20 3.70 - 3.60 2.90 - 3.20 2.30 - 2.80 1.90 - 2.30 1.50 - 1.90 0.70 - 1.40 0.70 - 1.20 0.50 - 1.00 0.40 - 0.80 0.20 - 0.50	.1868 .1550 .1241 .0994 .0815 .0645 .0479 .0386 .0297 .0212 .0166 .0078					1 1 2 3 1 1 1 1 1 20	UNCH UNCH UNCH UNCH UNCH UNCH UNCH UNCH
1110 1115 1120 1125 1130 1135 1140 1145 1150 1155 1170 1200 TOTAL MAR23 1100 1200 TOTAL APR23 1000	26.00		/*6.50A/*6.50A/*6.50A/*6.50A/*6.50A/*6.50A	/*6.50A       /25.80A /94.00A		4.50 - 4.20 3.70 - 3.60 2.90 - 3.20 2.30 - 2.80 1.90 - 2.30 1.50 - 1.90 1.10 - 1.70 0.90 - 1.40 0.70 - 1.20 0.40 - 0.80 0.20 - 0.50 0.10 - 0.10 26.40 - 5.60 5.90 - 2.00	.1868 .1550 .1241 .0994 .0815 .0645 .0479 .0386 .0297 .0212 .0166 .0078 .0005			25		1 1 1 2 3 3 1 1 1 1 1 20 112 -	UNCH UNCH UNCH UNCH UNCH UNCH UNCH UNCH
1110 1115 1120 1125 1130 1135 1140 1145 1155 1170 TOTAL MAR23 1100 TOTAL APR23 1000 TOTAL 000 1055	26.00		/*6.50A/*6.50A/*6.50A/*6.50A/*6.50A/*46.50A/*47.70A 36.30B/32.20	/*6.50A		4.50 - 4.20 3.70 - 3.60 2.90 - 3.20 2.30 - 2.80 1.90 - 2.30 1.50 - 1.90 1.10 - 1.70 0.90 - 1.40 0.70 - 1.20 0.50 - 1.00 0.40 - 0.80 0.20 - 0.50 0.10 - 0.10 26.40 - 5.60 5.90 - 2.00 93.30 - 9.40 61.90 - 7.70 49.20 - 6.90 38.70 - 6.00	.1868 .1550 .1241 .0994 .0815 .0645 .0479 .0386 .0297 .0212 .0166 .0005 .4033 .1199			25		1 1 1 2 3 1 1 1 1 1 1 20 112 -	UNCH UNCH UNCH UNCH UNCH UNCH UNCH UNCH
1110 1115 1120 1125 1135 1135 1140 1145 1150 1155 1170 1200 TOTAL MAR23 1100 1200 TOTAL MAR23 1000 1050	26.00		/*6.50A/*6.50A/*6.50A/*6.50A/*6.50A/*6.50A	/*6.50A		4.50 - 4.20 3.70 - 3.60 2.90 - 3.20 2.30 - 2.80 1.90 - 2.30 1.50 - 1.90 0.70 - 1.20 0.50 - 1.00 0.40 - 0.80 0.20 - 0.50 0.10 - 0.10 26.40 - 5.60 5.90 - 2.00 93.30 - 9.40 61.90 - 7.70 49.20 - 6.90	.1868 .1550 .1241 .0994 .0815 .0645 .0479 .0386 .0297 .0212 .0166 .0005		======================================	25		1 1 1 2 3 1 1 1 1 1 20 112 -	UNCH UNCH UNCH UNCH UNCH UNCH UNCH UNCH

#### **METALS OPTIONS PRODUCTS**

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









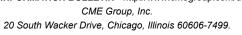
9@ Fri, Jan 13, 2023 PG64 BULLETIN # METALS OPTION PRODUCTS PG64 OPEN OUTCRY VOLUME GLOBEX OPEN OPEN OUTCRY OPEN RANGE GLOBEX HIGH/LOW OPEN OUTCRY HIGH/LOW OPEN OUTCRY CLOSE RANGE OPEN INTEREST SETT.PRICE & PT.CHGE. EXER CISES DELTA GLOBEX® VOLUME PNT VOLUME PO CALL JUL23 1040 1100 PLATINUM OPTIONS 2 11 13 UNCH UNCH 0 100.00 - 6.80 71.20 - 5.60 .6159 .4969 ----/68.50A ----/68.50A TOTAL ост23 1400 UNCH 0 21.70 - 2.10 .1708 225 225 TOTAL PO PUT FEB23 930 935 940 950 1000 1025 1030 1045 1050 1045 1050 1060 1075 1085 TOTAL PLATINUM OPTIONS 0.10 0.10 0.10 0.10 0.40 1.70 2.30 2.90 3.80 6.10 7.60 9.30 11.40 13.70 16.30 19.10 22.30 .0000 .0000 .0000 .0003 .0171 .0581 .0761 .1011 .1272 .1624 .2010 .2466 .2962 .3493 .4064 .4624 .5799 .6339 ----UNCH UNCH UNCH UNCH UNCH 0.20 0.70 0.90 1.20 1.70 2.40 2.80 3.50 3.90 4.40 4.80 5.40 6.20B/----#8.00/8.00 6.20B/----#8.00/8.00 8.00 8.00 UNCH UNCH UNCH UNCH UNCH UNCH UNCH 21.20B/----21.20B/----MAR23 925 1000 1050 1100 UNCH UNCH UNCH UNCH 0 1.90 11.30 27.10 53.80 11.40B/----29.50B/----60.20B/----11.40B/----29.50B/----60.20B/----TOTAL APR23 700 750 800 925 1025 1050 1300 TOTAL 0.10 0.10 0.40 6.50 29.40 39.50 231.00 UNCH UNCH 0.10 0.80 3.10 4.00 .0003 .0020 .0077 .0968 .3275 .4048 200 1 200 22 500 300 11 1234 UNCH UNCH UNCH UNCH UNCH UNCH UNCH #29.10B/----40.80B/----#29.10B/---40.80B/----JUL23 900 950 1060 1100 TOTAL 1 11 11 22 45 27.60B/----27.60B/----

95.70B/----

95.70B/----

# **METALS OPTIONS PRODUCTS**

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





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Customer Service: (312) 930-1000 PRELIMINARY

METALS OPTION PRODUCTS Fri, Jan 13, 2023 PG64 BULLETIN # 9@ PG64

PG64 BI	JLLET:	IN # 9@		METALS OPTION
				OPTIONS EOO'S AND BLOCKS
PRODUCT		STRIKE PRICE	EOO VOLUME	BLOCK VOLUME
OG CALL MAR23 OG TOTALS	CALL	COMEX GOLD OPTIONS 2000	0	500 500
APR23 OG OG OG OG	CALL	1940 2040 2075 2080	0 0 0 0	525 735 100 100
TOTALS MAY23 OG	CALL	2000	0	1460 500
TOTALS JUN23 OG	CALL	1940	0	500
OG OG OG TOTALS		2000 2135 2300	0 0 0 0	500 80 500 1130
JUL23 OG OG TOTALS	CALL	1950 2150	0 0 0	750 1125 1875
AUG23 OG TOTALS	CALL	2100	0	800 800
SEP23 OG OG TOTALS	CALL	2200 2400	0 0 0	100 100 200
DEC23 OG OG OG OG	CALL	1900 2200 2500 2700	0 0 0 0	400 800 5650 1600
OG OG TOTALS		3000	0	500 8950
OG PUT FEB23 OG OG TOTALS	PUT	COMEX GOLD OPTIONS 1850 1890	0 0 0	100 150 250
MAR23 OG OG TOTALS	PUT	1800 1875	0 0 0	400 100 500
APR23 OG OG OG TOTALS	PUT	1800 1860 1940	0 0 0	450 735 525 1710
JUN23 OG OG OG	PUT	1750 1780 1940	0 0 0	500 80 50
TOTALS OCT23 OG OG TOTALS	PUT	1400 1550	0 0 0	630 350 175 525
SO CALL JUL23	CALL	COMEX SILVER OPTIONS		
SO TOTALS DEC23	CALL	3000	0	100 100
SO SO TOTALS	0.12	3000 3500	0 0 0	50 50 100
SO PUT MAR23 SO TOTALS	PUT	COMEX SILVER OPTIONS 2100	0	600 600
JUN23 SO TOTALS	PUT	2000	0	400 400
HX CALL FEB23 HX TOTALS	CALL	COMEX COPPER OPTIONS 420	0	200 200
MAR23 HX HX HX	CALL	390 420 425	0 0 0	725 100 500
HX HX HX TOTALS		435 450 475	0 0 0	725 1750 1750 5550
JUN23 HX HX TOTALS	CALL	450 550	0 0 0	220 220 440
HX PUT FEB23 HX HX TOTALS	PUT	COMEX COPPER OPTIONS 400 410	0 0 0	100 75 175
MAR23 HX HX TOTALS	PUT	340 420	0 0 0	189 100 289
PAO CALL		NYMEX PALLADIUM OPTION		209
JUN23 PAO PAO PAO TOTALS	CALL	1950 2100 2250	0 0 0	125 250 125 500