

**CME Exchange ADV Report - Monthly**

July 2023

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	ADV JUL 2023	ADV JUL 2022	% CHG	ADV JUN 2023	% CHG	ADV Y.T.D 2023	ADV Y.T.D 2022	% CHG
<b>Interest Rate Futures</b>								
1-MONTH EURODOLLAR	0	230.35	-100.0%	0	-	7	498	-98.6%
BSBY 3-MONTH FUTURES	76	1,151.85	-93.4%	111.19	-32.0%	217	3,179	-93.2%
ESTR Basis Spread Futures	46	0	-	153.38	-70.0%	62	0	-
ESTR Futures	6,135	0	-	6,429.57	-4.6%	3,022	0	-
EURODOLLARS	0	1,283,300.1	-100.0%	10,757.62	-100.0%	196,665	2,058,245	-90.4%
FTIIE	7	3.45	108.7%	15.95	-54.9%	12	5	135.1%
SOFR	2,790,351	1,779,103.1	56.8%	3,290,822.76	-15.2%	3,400,811	1,465,129	132.1%
SONIA	0	2.85	-100.0%	0.76	-100.0%	9	9	3.3%
<b>Interest Rate Options</b>								
EURODOLLARS	0	331,006.95	-100.0%	19,962.24	-100.0%	66,440	667,059	-90.0%
EURO MIDCURVE	0	139,685.15	-100.0%	0	-	4,151	406,449	-99.0%
SOFR	929,894	323,114.8	187.8%	1,262,424	-26.3%	1,588,698	130,527	1117.1%
SOFR MIDCURVE	244,590	62,902.9	288.8%	262,589.86	-6.9%	315,501	35,794	781.4%
SOFR MISCURVE	0	0	-	0	-	5	0	-

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	ADV JUL 2023	ADV JUL 2022	% CHG	ADV JUN 2023	% CHG	ADV Y.T.D 2023	ADV Y.T.D 2022	% CHG
<b>Equity Index Futures</b>								
BITCOIN	10,457	12,321.5	-15.1%	12,586.81	-16.9%	10,838	10,155	6.7%
E-mini FTSE China 50	0	8.85	-100.0%	0	-	0	48	-99.4%
E-MINI MIDCAP	9,918	11,882.75	-16.5%	16,824.38	-41.1%	13,416	16,605	-19.2%
E-MINI NASDAQ 100	608,257	615,382.95	-1.2%	701,375.9	-13.3%	663,181	708,009	-6.3%
E-MINI RUSSELL 1000	90	369.25	-75.6%	1,002.48	-91.0%	429	724	-40.8%
E-MINI RUSSELL 1000 GROWTH	127	106.7	18.7%	529.62	-76.1%	266	425	-37.3%
E-MINI RUSSELL 1000 VALUE	273	473.4	-42.4%	2,279.19	-88.0%	830	1,271	-34.7%
E-MINI RUSSELL 2000	174,898	181,764	-3.8%	288,412.24	-39.4%	223,023	246,562	-9.5%
E-MINI S&P500	1,389,448	1,707,540.35	-18.6%	2,082,167.14	-33.3%	1,824,956	1,935,714	-5.7%
E-MINI S&P500 ESG	495	511.75	-3.4%	2,146.48	-77.0%	1,091	1,519	-28.2%
ETHER	0	0	-	0	-	0	0	-
ETHER FUTURES	3,815	7,920.45	-51.8%	4,627.95	-17.6%	5,094	6,165	-17.4%
FT-SE 100	5	5.25	0.0%	0	-	3	9	-63.0%
IBOVESPA INDEX	1	2.25	-64.4%	1.71	-53.3%	2	3	-42.0%
MICRO BITCOIN	9,073	12,917.4	-29.8%	11,694.14	-22.4%	10,397	17,807	-41.6%
MICRO E-MINI NASDAQ 100	986,233	1,343,246.95	-26.6%	1,017,094.1	-3.0%	1,044,462	1,544,555	-32.4%
MICRO E-MINI RUSSELL 2000	64,155	96,658.7	-33.6%	84,943	-24.5%	80,730	149,660	-46.1%
MICRO E-MINI S&P500	691,923	1,265,526	-45.3%	943,441.81	-26.7%	1,052,050	1,361,836	-22.7%
MICRO ETHER	6,608	25,659.3	-74.2%	7,956.76	-17.0%	9,427	20,953	-55.0%
NASDAQ-100 VOLATILITY	0	32.35	-100.0%	0	-	22	127	-82.5%
NASDAQ BIOTECH SECTOR	17	3.25	415.4%	3.24	417.3%	10	9	13.1%
Nearby BTIC+	0	30	-100.0%	0	-	0	45	-100.0%
NIKKEI 225 (\$) STOCK	8,508	3,614.95	135.3%	11,889.67	-28.4%	6,457	5,917	9.1%
NIKKEI 225 (YEN) STOCK	30,435	29,952.85	1.6%	45,197.52	-32.7%	30,682	39,661	-22.6%
PHLX SEMICONDUCTOR SECTO	8	0	-	43.57	-82.3%	22	0	-
S&P 500	2,781	1,708.2	62.8%	9,631.48	-71.1%	5,000	3,656	36.8%
S&P 500 ANNUAL DIVIDEND IND	3,158	3,709.3	-14.9%	3,101.81	1.8%	3,440	4,317	-20.3%
S&P 500 QUARLY DIVIDEND IND	471	362.8	29.8%	554.71	-15.1%	768	217	254.0%
S&P 600 SMALLCAP EMINI	30	0	-	0	-	4	0	-
S&P BIOTECHNOLOGY SECTOR	5	0	-	29.62	-81.9%	54	0	-
S&P COMMUNICATION SERVICE	165	86.2	91.8%	625.67	-73.6%	293	193	52.2%
S&P CONSUMER DISCRETIONAR	341	485	-29.7%	1,163.57	-70.7%	534	708	-24.5%
S&P CONSUMER STAPLES SECT	1,162	565.2	105.7%	2,425.14	-52.1%	1,570	1,308	20.0%
S&P ENERGY SECTOR	1,198	2,227.85	-46.2%	4,561.1	-73.7%	2,271	3,371	-32.7%
S&P FINANCIAL SECTOR	718	629.7	14.0%	4,105.67	-82.5%	2,399	1,895	26.6%
S&P HEALTH CARE SECTOR	478	751.6	-36.4%	1,931.29	-75.3%	1,173	1,403	-16.4%
S&P INDUSTRIAL SECTOR	602	757.7	-20.5%	1,964.81	-69.4%	1,128	1,469	-23.2%
S&P MATERIALS SECTOR	945	403.55	134.2%	2,735.1	-65.5%	868	773	12.3%
S&P OIL & GAS EXPLORATION A	11	0	-	6.86	61.1%	10	0	-
S&P REAL ESTATE SECTOR	357	124.6	186.4%	927.95	-61.5%	528	336	57.2%
S&P REGIONAL BANKS SECTOR	39	0	-	130.38	-70.2%	65	0	-
S&P RETAIL SECTOR	43	0	-	94.19	-54.6%	31	0	-
S&P TECHNOLOGY SECTOR	299	596.55	-49.9%	1,465.14	-79.6%	867	1,163	-25.5%
S&P UTILITIES SECTOR	1,854	1,035.9	79.0%	3,869.38	-52.1%	2,237	1,785	25.3%
TOPIX (USD)	2	0	-	19.19	-89.6%	4	0	-
TOPIX (YEN)	20	4.35	370.1%	13.24	54.5%	13	109	-88.4%
WATER INDEX FUTURES	0	0.55	-27.3%	0.67	-40.0%	1	4	-78.0%

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<b>Equity Index Options</b>								
BITCOIN OPTIONS	239	127.5	87.1%	204.24	16.8%	333	125	165.1%
E-MINI NASDAQ 100	80,471	43,734.8	84.0%	82,033.14	-1.9%	62,040	48,458	28.0%
E-MINI RUSSELL 2000	5,444	4,666.9	16.7%	8,418.33	-35.3%	7,208	7,031	2.5%
E-MINI S&P500	1,111,008	942,848.1	17.8%	1,242,544.1	-10.6%	1,193,028	1,098,489	8.6%
ETHER OPTIONS	106	0	-	66.52	59.3%	75	0	-
EVENT CONTRACT S&P 500	366	0	-	195	87.9%	251	0	-
MICRO BITCOIN	786	715	10.0%	700.81	12.2%	547	287	90.6%
MICRO E-MINI NASDAQ 100	2,551	1,754.75	45.4%	2,768.57	-7.9%	2,626	2,845	-7.7%
Micro E-mini S&P 500	8,150	8,836.9	-7.8%	9,872.24	-17.5%	11,207	11,583	-3.2%
MICRO ETHER	369	2,279.1	-83.8%	1,167.52	-68.4%	826	713	15.9%
<b>FX Futures</b>								
AD/CD CROSS RATES	0	1.05	-100.0%	0.62	-100.0%	1	3	-62.2%
AD/JY CROSS RATES	43	147.2	-70.7%	111.67	-61.4%	82	246	-66.7%
AD/NE CROSS RATES	257	97.2	164.6%	227.24	13.2%	171	201	-14.9%
AUSTRALIAN DOLLAR	90,273	99,184.05	-9.0%	117,784.86	-23.4%	95,502	99,587	-4.1%
BP/JY CROSS RATES	91	117.2	-22.6%	331.52	-72.6%	170	223	-23.8%
BP/SF CROSS RATES	111	46.8	136.5%	436.9	-74.7%	187	108	73.6%
BRAZIL REAL	13,519	11,970.65	12.9%	11,821.9	14.4%	13,217	16,156	-18.2%
BRITISH POUND	101,864	113,991.5	-10.6%	134,733.48	-24.4%	105,714	114,229	-7.5%
CANADIAN DOLLAR	64,426	94,174.2	-31.6%	96,022.71	-32.9%	81,884	87,275	-6.2%
CD/JY CROSS RATES	5	0.2	2200.0%	11.24	-59.1%	2	4	-44.0%
CHILEAN PESO	0	0	-	1.52	-100.0%	0	0	87.5%
CHINESE RENMINBI (CNH)	1,533	989.35	55.0%	1,937.05	-20.8%	1,294	1,243	4.0%
CZECK KORUNA (EC)	0	0.05	-100.0%	0.05	-100.0%	0	0	-87.8%
CZECK KORUNA (US)	0	0	-	0.29	-12.5%	2	0	1200.0%
EC/AD CROSS RATES	73	153.75	-52.7%	609.14	-88.1%	233	254	-8.4%
EC/CD CROSS RATES	162	354	-54.1%	549.81	-70.5%	291	416	-30.2%
EC/NOK CROSS RATES	150	88.1	70.1%	356.71	-58.0%	142	72	96.8%
EC/SEK CROSS RATES	61	405.4	-85.0%	614.81	-90.1%	238	147	62.1%
EFX/BP CROSS RATES	2,350	3,483.6	-32.5%	6,427	-63.4%	3,046	4,485	-32.1%
EFX/JY CROSS RATES	2,199	2,001.3	9.9%	4,569.14	-51.9%	2,425	2,946	-17.7%
EFX/SF CROSS RATES	716	1,187	-39.7%	2,019.05	-64.6%	1,163	2,146	-45.8%
E-MICRO USD/CAD	1	4.65	-69.9%	4.14	-66.2%	6	12	-44.7%
E-MICRO USD/CHF	4	2.1	66.7%	1.86	88.5%	8	4	87.9%
E-MICRO USD/JPY	353	2,196.2	-83.9%	117.62	200.2%	149	1,013	-85.3%
E-MINI EURO FX	4,879	8,503.6	-42.6%	5,347.52	-8.8%	6,103	6,777	-9.9%
E-MINI JAPANESE YEN	761	520.5	46.1%	753.33	1.0%	599	455	31.5%
EURO FX	198,202	239,919.15	-17.4%	287,824.57	-31.1%	230,323	228,665	0.7%
HUNGARIAN FORINT (EC)	0	0	-	0.33	-85.0%	0	0	-34.4%
HUNGARIAN FORINT (US)	0	0.05	500.0%	0	-	1	0	127.8%
INDIAN RUPEE	1,051	1,633.45	-35.6%	1,202.43	-12.6%	1,381	1,075	28.5%
JAPANESE YEN	206,057	154,046.85	33.8%	212,351.67	-3.0%	176,199	143,222	23.0%
KOREAN WON	28	14.4	95.8%	16.48	71.2%	46	28	62.4%
MEXICAN PESO	46,128	52,466.6	-12.1%	68,913.14	-33.1%	59,698	55,103	8.3%
MICRO AUD/USD	13,824	10,722.1	28.9%	11,345.76	21.8%	13,120	12,751	2.9%
MICRO CAD/USD	2,255	2,809.9	-19.8%	2,260.24	-0.2%	2,644	2,836	-6.8%

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<b>FX Futures</b>								
MICRO CHF/USD	805	1,275.95	-36.9%	838.43	-4.0%	749	794	-5.6%
MICRO EUR/USD	28,910	46,141.45	-37.3%	25,182.81	14.8%	30,755	35,704	-13.9%
MICRO GBP/USD	3,174	5,561.5	-42.9%	3,424.48	-7.3%	3,332	4,688	-28.9%
MICRO INR/USD	15	25.65	-42.3%	14.48	2.2%	23	37	-39.4%
MICRO JPY/USD	0	0	-	0	-	0	706	-100.0%
MICRO USD/CNH	0	0	-	0	-	0	0	-100.0%
NEW ZEALND DOLLAR	31,546	28,507.25	10.7%	33,210.38	-5.0%	30,811	29,191	5.6%
NKR/USD CROSS RATE	213	82.7	157.1%	380.05	-44.0%	243	156	55.2%
POLISH ZLOTY (EC)	2	0.65	138.5%	10.24	-84.9%	4	7	-46.7%
POLISH ZLOTY (US)	29	56.1	-48.6%	121.05	-76.2%	60	72	-15.8%
RMB USD	0	0.25	-100.0%	0	-	0	0	-66.7%
RUSSIAN RUBLE	0	5.4	-100.0%	0	-	0	4,078	-100.0%
S.AFRICAN RAND	4,955	5,099.4	-2.8%	8,118.57	-39.0%	4,246	4,813	-11.8%
SF/JY CROSS RATES	20	42.15	-52.7%	131.05	-84.8%	48	46	5.6%
SHEKEL	6	0.9	527.8%	4.48	26.2%	4	1	463.2%
SKR/USD CROSS RATES	216	202.65	6.8%	583.76	-62.9%	281	376	-25.1%
SWISS FRANC	21,210	27,502.7	-22.9%	26,070.33	-18.6%	21,844	25,651	-14.8%
TURKISH LIRA	0	1.7	-100.0%	6.81	-100.0%	2	2	-4.6%
USDZAR	0	0	-	0.24	-100.0%	1	0	238.7%

### FX Options

AUD/USD MONDAY OPTION WEE	1	1.45	-51.7%	28.19	-97.5%	9	12	-23.9%
AUD/USD MONDAY OPTION WEE	11	1.9	492.1%	7.14	57.5%	19	21	-10.7%
AUD/USD MONDAY OPTION WEE	15	0.4	3725.0%	0.52	2821.0%	12	14	-13.8%
AUD/USD MONDAY OPTION WEE	16	24.4	-35.7%	13.9	12.9%	13	19	-35.0%
AUD/USD MONDAY OPTION WEE	9	0	-	0	-	3	5	-37.1%
AUD/USD MONTHLY OPTIONS	3,895	3,247.9	19.9%	4,473.76	-12.9%	3,113	4,453	-30.1%
AUD/USD THURSDAY WKLY OPT	43	0	-	0.24	17770.6%	7	0	-
AUD/USD THURSDAY WKLY OPT	18	0	-	0.76	2229.7%	4	0	-
AUD/USD THURSDAY WKLY OPT	1	0	-	2.29	-58.4%	8	0	-
AUD/USD THURSDAY WKLY OPT	3	0	-	0.29	792.5%	3	0	-
AUD/USD THURSDAY WKLY OPT	0	0	-	22.71	-100.0%	3	0	-
AUD/USD TUESDAY WKLY OPT	1	0	-	0.52	119.5%	2	0	-
AUD/USD TUESDAY WKLY OPT	32	0	-	0.29	11013.1%	12	0	-
AUD/USD TUESDAY WKLY OPT	23	0	-	5.9	296.3%	7	0	-
AUD/USD TUESDAY WKLY OPT	11	0	-	0.14	7842.6%	4	0	-
AUD/USD TUESDAY WKLY OPT	0	0	-	0	-	1	0	-
AUD/USD WKLY FRIDAY OPTION	0	1.65	-97.0%	15.67	-99.7%	10	25	-61.5%
AUD/USD WKLY FRIDAY OPTION	82	32.3	154.3%	37.81	117.3%	74	84	-11.8%
AUD/USD WKLY FRIDAY OPTION	83	130.9	-36.8%	79.76	3.7%	92	122	-24.1%
AUD/USD WKLY FRIDAY OPTION	99	70.85	39.8%	76.81	29.0%	92	87	5.7%
AUD/USD WKLY FRIDAY OPTION	0	97.6	-100.0%	33.76	-100.0%	19	31	-40.6%
AUD/USD WKLY WED OPTIONS -	17	1.75	865.7%	39.57	-57.3%	24	40	-40.7%
AUD/USD WKLY WED OPTIONS -	20	14.2	40.1%	1.81	999.8%	11	24	-53.2%
AUD/USD WKLY WED OPTIONS -	41	7.9	415.8%	13.57	200.3%	16	34	-53.6%
AUD/USD WKLY WED OPTIONS -	24	23.7	1.7%	7.1	239.7%	16	29	-45.9%
AUD/USD WKLY WED OPTIONS -	0	0	-	0	-	4	2	101.5%
BRL/USD MONTHLY OPTIONS	0	14.3	-100.0%	0	-	1	16	-91.4%

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<b>FX Options</b>								
CAD/USD MONDAY OPTIONS WE	7	9.7	-27.3%	96.24	-92.7%	42	9	373.8%
CAD/USD MONDAY OPTIONS WE	12	35.75	-67.3%	17.9	-34.7%	60	59	1.1%
CAD/USD MONDAY OPTIONS WE	22	59.9	-63.1%	0	-	37	42	-10.7%
CAD/USD MONDAY OPTIONS WE	3	15.9	-82.7%	6.67	-58.8%	33	37	-11.4%
CAD/USD MONDAY OPTIONS WE	5	0	-	0	-	2	9	-73.1%
CAD/USD MONTHLY OPTIONS	1,351	3,942.8	-65.7%	2,984	-54.7%	2,816	4,629	-39.2%
CAD/USD THURSDAY WKLY OPT	15	0	-	18.43	-16.7%	16	0	-
CAD/USD THURSDAY WKLY OPT	6	0	-	60.62	-90.8%	16	0	-
CAD/USD THURSDAY WKLY OPT	8	0	-	22.24	-63.1%	17	0	-
CAD/USD THURSDAY WKLY OPT	0	0	-	83.57	-99.6%	25	0	-
CAD/USD THURSDAY WKLY OPT	0	0	-	18.38	-100.0%	14	0	-
CAD/USD TUESDAY WKLY OPT	9	0	-	43.24	-78.8%	20	0	-
CAD/USD TUESDAY WKLY OPT	25	0	-	41.14	-40.2%	34	0	-
CAD/USD TUESDAY WKLY OPT	2	0	-	32.86	-93.9%	19	0	-
CAD/USD TUESDAY WKLY OPT	23	0	-	11.24	104.7%	9	0	-
CAD/USD TUESDAY WKLY OPT	0	0	-	0	-	6	0	-
CAD/USD WKLY FRIDAY OPTION	3	0.7	364.3%	133.62	-97.6%	41	57	-29.2%
CAD/USD WKLY FRIDAY OPTION	146	98.55	48.1%	30.67	376.1%	115	177	-34.8%
CAD/USD WKLY FRIDAY OPTION	58	380.85	-84.9%	121.71	-52.7%	119	293	-59.3%
CAD/USD WKLY FRIDAY OPTION	125	110.35	13.6%	151.48	-17.2%	157	247	-36.5%
CAD/USD WKLY FRIDAY OPTION	0	277.05	-100.0%	129.05	-100.0%	54	70	-23.1%
CAD/USD WKLY WED OPTIONS -	17	18.5	-9.7%	101.95	-83.6%	65	43	50.9%
CAD/USD WKLY WED OPTIONS -	31	99.5	-68.8%	106.19	-70.8%	57	60	-5.0%
CAD/USD WKLY WED OPTIONS -	7	44.35	-84.2%	28.05	-75.0%	42	70	-40.8%
CAD/USD WKLY WED OPTIONS -	62	59.55	4.5%	18.29	240.2%	61	91	-33.2%
CAD/USD WKLY WED OPTIONS -	0	0	-	0	-	15	29	-48.2%
CHF/USD MONTHLY OPTIONS	251	211.4	18.5%	104.05	140.8%	425	261	63.1%
CHF/USD WKLY FRIDAY OPTION	0	0.1	-100.0%	0.1	-100.0%	1	4	-76.5%
CHF/USD WKLY FRIDAY OPTION	60	0.05	120000.0%	124.71	-51.8%	38	6	551.9%
CHF/USD WKLY FRIDAY OPTION	53	19.65	171.2%	35.76	49.0%	33	6	457.5%
CHF/USD WKLY FRIDAY OPTION	266	2.35	11225.5%	76.95	245.9%	85	7	1134.4%
CHF/USD WKLY FRIDAY OPTION	0	3.4	-100.0%	129.24	-100.0%	21	1	3628.3%
EUR/GBP MONTHLY OPTIONS	0	0	-	0	-	0	26	-100.0%
EUR/USD MONDAY OPTION WEE	8	59.2	-86.7%	125.43	-93.7%	93	79	16.9%
EUR/USD MONDAY OPTION WEE	39	42.75	-9.4%	41.19	-5.9%	83	136	-38.6%
EUR/USD MONDAY OPTION WEE	107	81.7	31.5%	72.33	48.5%	65	51	26.8%
EUR/USD MONDAY OPTION WEE	9	70.85	-88.0%	152.52	-94.4%	88	163	-45.8%
EUR/USD MONDAY OPTION WEE	55	0	-	0	-	14	20	-27.8%
EUR/USD MONTHLY OPTIONS	13,002	15,218.5	-14.6%	12,569.14	3.4%	13,346	12,382	7.8%
EUR/USD THURSDAY WKLY OPT	43	0	-	60.52	-28.9%	43	0	-
EUR/USD THURSDAY WKLY OPT	14	0	-	7.48	90.6%	31	0	-
EUR/USD THURSDAY WKLY OPT	2	0	-	125.81	-98.4%	31	0	-
EUR/USD THURSDAY WKLY OPT	24	0	-	38.29	-37.2%	47	0	-
EUR/USD THURSDAY WKLY OPT	0	0	-	4.14	-100.0%	1	0	-
EUR/USD TUESDAY WKLY OPT	51	0	-	2.76	1737.5%	12	0	-
EUR/USD TUESDAY WKLY OPT	23	0	-	206.48	-88.9%	37	0	-
EUR/USD TUESDAY WKLY OPT	34	0	-	61.24	-44.7%	39	0	-
EUR/USD TUESDAY WKLY OPT	21	0	-	6	250.8%	26	0	-
EUR/USD TUESDAY WKLY OPT	0	0	-	0	-	10	0	-

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<b>FX Options</b>								
EUR/USD WKLY FRIDAY OPTION	3	16.05	-84.1%	26.86	-90.5%	94	273	-65.5%
EUR/USD WKLY FRIDAY OPTION	1,130	231	389.1%	329.19	243.2%	852	761	11.9%
EUR/USD WKLY FRIDAY OPTION	2,202	670.95	228.1%	1,123.95	95.9%	1,132	799	41.6%
EUR/USD WKLY FRIDAY OPTION	640	783.95	-18.3%	832.81	-23.1%	1,308	987	32.5%
EUR/USD WKLY FRIDAY OPTION	0	1,128.1	-100.0%	509.81	-100.0%	134	303	-55.9%
EUR/USD WKLY WED OPTIONS -	249	337.75	-26.3%	251.62	-1.1%	219	297	-26.2%
EUR/USD WKLY WED OPTIONS -	182	378.95	-52.1%	179.19	1.4%	273	252	8.6%
EUR/USD WKLY WED OPTIONS -	133	231.6	-42.8%	207.57	-36.1%	224	266	-15.6%
EUR/USD WKLY WED OPTIONS -	140	360.75	-61.1%	225.62	-37.8%	211	307	-31.2%
EUR/USD WKLY WED OPTIONS -	0	0	-	0	-	72	92	-21.5%
EVENT CONTRACT EUR/USD	318	0	-	551.81	-42.4%	257	0	-
GBP/USD MONDAY OPTION WEE	1	57.05	-98.2%	18.14	-94.2%	30	29	5.3%
GBP/USD MONDAY OPTION WEE	36	31	15.6%	48.05	-25.4%	55	51	7.9%
GBP/USD MONDAY OPTION WEE	4	4.1	-2.4%	6.57	-39.1%	17	14	17.7%
GBP/USD MONDAY OPTION WEE	9	42.4	-79.6%	15.95	-45.8%	22	27	-16.6%
GBP/USD MONDAY OPTION WEE	10	0	-	0	-	4	3	63.7%
GBP/USD MONTHLY OPTIONS	2,908	3,969.5	-26.7%	3,458.48	-15.9%	3,164	3,713	-14.8%
GBP/USD THURSDAY WKLY OPT	8	0	-	4.29	85.5%	10	0	-
GBP/USD THURSDAY WKLY OPT	43	0	-	2.9	1380.3%	11	0	-
GBP/USD THURSDAY WKLY OPT	14	0	-	12.24	18.1%	14	0	-
GBP/USD THURSDAY WKLY OPT	5	0	-	10.05	-46.3%	6	0	-
GBP/USD THURSDAY WKLY OPT	0	0	-	10.95	-100.0%	2	0	-
GBP/USD TUESDAY WKLY OPT	2	0	-	3.19	-53.0%	7	0	-
GBP/USD TUESDAY WKLY OPT	15	0	-	21.1	-30.6%	18	0	-
GBP/USD TUESDAY WKLY OPT	4	0	-	15.95	-73.0%	12	0	-
GBP/USD TUESDAY WKLY OPT	7	0	-	19.48	-66.1%	10	0	-
GBP/USD TUESDAY WKLY OPT	0	0	-	0	-	2	0	-
GBP/USD WKLY FRIDAY OPTION	0	0.75	-100.0%	13	-100.0%	19	38	-50.6%
GBP/USD WKLY FRIDAY OPTION	181	102.75	76.3%	99.24	82.5%	155	117	32.3%
GBP/USD WKLY FRIDAY OPTION	188	130.75	43.6%	97.81	92.0%	199	170	16.7%
GBP/USD WKLY FRIDAY OPTION	135	63.95	111.0%	158.05	-14.6%	108	133	-18.5%
GBP/USD WKLY FRIDAY OPTION	0	72.9	-100.0%	41.86	-100.0%	30	52	-42.3%
GBP/USD WKLY WED OPTIONS -	66	69.45	-4.7%	19.81	234.2%	37	64	-42.4%
GBP/USD WKLY WED OPTIONS -	43	24.15	77.4%	38.14	12.3%	55	24	123.9%
GBP/USD WKLY WED OPTIONS -	105	12.2	760.2%	102.24	2.7%	61	53	14.3%
GBP/USD WKLY WED OPTIONS -	18	94.05	-81.3%	31.67	-44.6%	35	60	-41.7%
GBP/USD WKLY WED OPTIONS -	0	0	-	0	-	5	3	38.3%
JPY/USD MONDAY OPTION WEE	17	38.35	-54.6%	34.9	-50.2%	33	20	65.7%
JPY/USD MONDAY OPTION WEE	25	34.4	-26.6%	30.81	-18.0%	81	45	80.0%
JPY/USD MONDAY OPTION WEE	5	17.6	-70.5%	2.14	142.7%	14	14	4.2%
JPY/USD MONDAY OPTION WEE	8	50.25	-84.6%	12.14	-36.2%	40	50	-18.4%
JPY/USD MONDAY OPTION WEE	142	0	-	0	-	27	0	7501.2%
JPY/USD MONTHLY OPTIONS	7,121	7,248.2	-1.8%	3,278.14	117.2%	4,937	7,818	-36.8%
JPY/USD THURSDAY WKLY OPT	75	0	-	2.43	2992.3%	11	0	-
JPY/USD THURSDAY WKLY OPT	30	0	-	0.9	3248.8%	5	0	-
JPY/USD THURSDAY WKLY OPT	1	0	-	4.1	-85.3%	2	0	-
JPY/USD THURSDAY WKLY OPT	1	0	-	1.9	-73.7%	1	0	-
JPY/USD THURSDAY WKLY OPT	0	0	-	4.57	-100.0%	2	0	-
JPY/USD TUESDAY WKLY OPT W	1	0	-	1	-5.0%	1	0	-

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	ADV JUL 2023	ADV JUL 2022	% CHG	ADV JUN 2023	% CHG	ADV Y.T.D 2023	ADV Y.T.D 2022	% CHG
<b>FX Options</b>								
JPY/USD TUESDAY WKLY OPT W	2	0	-	48.76	-96.1%	23	0	-
JPY/USD TUESDAY WKLY OPT W	8	0	-	88.38	-91.0%	15	0	-
JPY/USD TUESDAY WKLY OPT W	26	0	-	2.43	989.1%	11	0	-
JPY/USD TUESDAY WKLY OPT W	0	0	-	0	-	0	0	-
JPY/USD WKLY FRIDAY OPTION	0	0.8	-87.5%	11.76	-99.1%	22	173	-87.0%
JPY/USD WKLY FRIDAY OPTION	475	155.95	204.3%	180.38	163.1%	332	409	-18.7%
JPY/USD WKLY FRIDAY OPTION	229	570.8	-59.9%	313.9	-27.2%	372	581	-36.0%
JPY/USD WKLY FRIDAY OPTION	752	669.7	12.2%	232.52	223.2%	350	541	-35.4%
JPY/USD WKLY FRIDAY OPTION	0	624.55	-100.0%	236.48	-100.0%	67	203	-67.1%
JPY/USD WKLY WED OPTIONS -	348	204.7	69.9%	78.81	341.3%	156	164	-4.9%
JPY/USD WKLY WED OPTIONS -	207	209.55	-1.2%	103	101.0%	136	152	-10.9%
JPY/USD WKLY WED OPTIONS -	188	188.3	-0.3%	106.05	77.1%	166	130	28.1%
JPY/USD WKLY WED OPTIONS -	111	351.85	-68.5%	89.14	24.4%	117	202	-42.3%
JPY/USD WKLY WED OPTIONS -	0	0	-	0	-	22	52	-58.9%
MXN/USD MONTHLY OPTIONS	78	4.45	1653.9%	13.81	465.2%	23	52	-55.5%
MXN/USD WKLY FRIDAY OPTION	0	0	-	0	-	0	0	-100.0%
MXN/USD WKLY FRIDAY OPTION	0	0	-	0	-	0	0	-
NZD/USD MONTHLY OPTIONS	4	0.15	2466.7%	27	-85.7%	519	50	944.6%
NZD/USD WKLY FRIDAY OPTION	0	0	-	0	-	0	0	-
USD/CNH MONTHLY OPTIONS	0	0	-	35.71	-100.0%	6	0	-
USD/CNH WEEKLY FRIDAY OPTI	0	0	-	0	-	0	0	-
ZAR/USD MONTHLY OPTIONS	0	0	-	0	-	5	0	-

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	ADV JUL 2023	ADV JUL 2022	% CHG	ADV JUN 2023	% CHG	ADV Y.T.D 2023	ADV Y.T.D 2022	% CHG
<b>Ag Products Futures</b>								
BLOCK CHEESE	37	21.6	69.0%	18.76	94.5%	20	18	10.8%
BUTTER CS	163	201.4	-18.9%	211.1	-22.6%	177	220	-19.4%
CASH-SETTLED CHEESE	707	527.35	34.0%	832.14	-15.1%	681	503	35.3%
CATTLE	77,298	57,319.2	34.9%	69,426.33	11.3%	67,881	59,899	13.3%
CDD SEASONAL STRIP	0	0	-	4.76	-100.0%	28	51	-44.5%
CDD WEATHER	125	75	66.7%	338.1	-63.0%	97	164	-41.2%
CLASS IV MILK	71	216.75	-67.3%	99.95	-29.0%	59	138	-57.4%
DRY WHEY	41	43.25	-6.2%	39.1	3.7%	55	53	4.0%
FEEDER CATTLE	18,051	14,826.9	21.7%	16,524.33	9.2%	16,889	12,924	30.7%
GOLDMAN SACHS	84	197.75	-57.3%	81	4.1%	103	189	-45.5%
GSCI EXCESS RETURN FUT	37	536.15	-93.2%	3,368.29	-98.9%	1,075	2,067	-48.0%
HDD EURO SEASONAL STRIP	0	62.5	-100.0%	0	-	0	9	-100.0%
HDD SEASONAL STRIP	0	0	-	0	-	0	0	-
HDD WEATHER	0	0	-	0	-	14	56	-75.0%
HDD WEATHER EUROPEAN	0	0	-	0	-	52	27	93.5%
HOGS	57,108	48,579.45	17.6%	61,582.81	-7.3%	54,665	47,434	15.2%
HOUSING INDEX	1	0.35	157.1%	0.29	215.1%	1	1	-10.2%
LUMBER	773	319.75	141.7%	932.1	-17.1%	683	385	77.5%
MALAYSIAN PALM SWAP	0	0	-	0	-	0	0	-
MILK	2,121	1,432.4	48.1%	1,876.29	13.1%	1,555	1,469	5.9%
MLK MID OPTIONS	0	0	-	0	-	0	0	-
NFD MILK	203	250.6	-18.8%	222	-8.4%	247	298	-17.2%
OTC SP GSCI ER SWAP	899	0	-	0	-	659	0	-
PACIFIC RIM DAT SS WTHR	0	0	-	0	-	0	0	-
PORK CUTOFF	84	88.05	-4.1%	89.29	-5.5%	75	120	-37.6%
S&P GSCI ENHANCED ER SWAP	0	0	-	0	-	0	0	-
USD CRUDE PALM OIL	1,055	1,116.85	-5.5%	1,265.9	-16.7%	1,349	1,110	21.6%



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	ADV JUL 2023	ADV JUL 2022	% CHG	ADV JUN 2023	% CHG	ADV Y.T.D 2023	ADV Y.T.D 2022	% CHG
<b>Ag Products Options</b>								
BLOCK CHEESE	22	4.3	409.3%	27.24	-19.6%	14	17	-19.0%
BUTTER CS	157	72.15	117.0%	112.38	39.3%	109	74	47.6%
CASH-SETTLED CHEESE	465	341	36.3%	551.57	-15.7%	379	369	2.7%
CATTLE	15,768	8,323.7	89.4%	20,602.62	-23.5%	14,522	10,304	40.9%
CDD SEASONAL STRIP	0	0	-	833.33	-100.0%	571	142	301.0%
CDD WEATHER	25	0	-	1,095.24	-97.7%	597	8	7718.2%
CLASS IV MILK	656	310.55	111.3%	256.14	156.1%	346	311	11.3%
DRY WHEY	0	19.6	-100.0%	0	-	1	21	-97.6%
FEEDER CATTLE	2,525	1,856.15	36.1%	2,875.81	-12.2%	2,759	1,697	62.6%
HDD EURO SEASONAL STRIP	50	125	-60.0%	1,047.62	-95.2%	160	17	820.0%
HDD SEASONAL STRIP	725	0	-	714.29	1.5%	205	0	-
HDD WEATHER	0	0	-	0	-	206	33	518.8%
HDD WEATHER EUROPEAN	0	0	-	0	-	139	7	1900.0%
HOGS	17,074	10,694.5	59.6%	18,858.57	-9.5%	14,769	11,106	33.0%
LUMBER	14	14.55	-3.8%	17.43	-19.7%	12	22	-44.9%
LV CATL CSO	0	0	-	0	-	0	0	-
MILK	1,355	1,976.95	-31.5%	1,695.14	-20.1%	1,228	1,064	15.4%
MLK MID OPTIONS	0	0	-	0	-	0	0	-57.8%
NFD MILK	181	180.9	0.0%	266.9	-32.2%	215	213	0.9%
PORK CUTOOT	0	0	-	0	-	0	0	-68.6%
<b>TOTAL FUTURES GROUP</b>								
Interest Rate Futures	2,796,615	3,063,791.7	-8.7%	3,308,291.24	-15.5%	3,600,806	3,527,065	2.1%
Equity Index Futures	4,009,421	5,329,380.25	-24.8%	5,273,574.67	-24.0%	5,000,647	6,090,485	-17.9%
FX Futures	842,476	915,738.55	-8.0%	1,066,802.95	-21.0%	888,443	888,008	0.0%
Ag Products Futures	158,859	125,815.3	26.3%	156,912.52	1.2%	146,365	127,134	15.1%
<b>TOTAL FUTURES</b>	<b>7,807,371</b>	<b>9,434,725.8</b>	<b>-17.2%</b>	<b>9,805,581.38</b>	<b>-20.4%</b>	<b>9,636,260.66</b>	<b>10,632,692.09</b>	<b>-9.4%</b>
<b>TOTAL OPTIONS GROUP</b>								
Interest Rate Options	1,174,484	856,709.8	37.1%	1,544,976.1	-24.0%	1,974,796	1,239,828	59.3%
Equity Index Options	1,209,489	1,004,963.05	20.4%	1,347,970.48	-10.3%	1,278,141	1,169,530	9.3%
FX Options	39,090	43,718.3	-10.6%	36,492.95	7.1%	38,403	43,627	-12.0%
Ag Products Options	39,017	23,919.35	63.1%	48,954.29	-20.3%	36,232	25,405	42.6%
<b>TOTAL OPTIONS</b>	<b>2,462,080</b>	<b>1,929,310.5</b>	<b>27.6%</b>	<b>2,978,393.81</b>	<b>-17.3%</b>	<b>3,327,571.79</b>	<b>2,478,391.04</b>	<b>34.3%</b>
<b>TOTAL COMBINED</b>								
Interest Rate	3,971,099	3,920,501.5	1.3%	4,853,267.33	-18.2%	5,575,602	4,766,893	17.0%
Equity Index	5,218,910	6,334,343.3	-17.6%	6,621,545.14	-21.2%	6,278,788	7,260,015	-13.5%
FX	881,567	959,456.85	-8.1%	1,103,295.9	-20.1%	926,845	931,635	-0.5%
Ag Products	197,876	149,734.65	32.2%	205,866.81	-3.9%	182,597	152,539	19.7%
<b>GRAND TOTAL</b>	<b>10,269,451</b>	<b>11,364,036.3</b>	<b>-9.6%</b>	<b>12,783,975.19</b>	<b>-19.7%</b>	<b>12,963,832.45</b>	<b>13,111,083.13</b>	<b>-1.1%</b>