

**CME Exchange ADV Report - Monthly**

August 2023

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	ADV AUG 2023	ADV AUG 2022	% CHG	ADV JUL 2023	% CHG	ADV Y.T.D 2023	ADV Y.T.D 2022	% CHG
<b>Interest Rate Futures</b>								
1-MONTH EURODOLLAR	0	0	-	0	-	6	430	-98.6%
BSBY 3-MONTH FUTURES	5	1,489.09	-99.7%	75.6	-94.0%	188	2,946	-93.6%
ESTR Basis Spread Futures	78	0	-	46.05	70.3%	65	0	-
ESTR Futures	6,994	0	-	6,134.95	14.0%	3,569	0	-
EURODOLLARS	0	1,184,296.96	-100.0%	0	-	169,580	1,937,881	-91.2%
FTIIE	3	6.52	-46.7%	7.2	-51.7%	10	5	103.3%
SOFR	3,119,045	1,942,040.87	60.6%	2,790,350.7	11.8%	3,362,005	1,530,811	119.6%
SONIA	1	0	-	0	-	8	8	4.5%
<b>Interest Rate Options</b>								
EURODOLLARS	0	317,824.83	-100.0%	0	-	57,290	618,961	-90.7%
EURO MIDCURVE	0	113,295.48	-100.0%	0	-	3,579	366,074	-99.0%
SOFR	814,780	398,519.22	104.5%	929,894	-12.4%	1,482,111	167,436	785.2%
SOFR MIDCURVE	309,045	119,776.7	158.0%	244,590.2	26.4%	314,612	47,361	564.3%
SOFR MISCURVE	0	0	-	0	-	4	0	-

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	ADV AUG 2023	ADV AUG 2022	% CHG	ADV JUL 2023	% CHG	ADV Y.T.D 2023	ADV Y.T.D 2022	% CHG
<b>Equity Index Futures</b>								
BITCOIN	10,380	9,704.78	7.0%	10,457.1	-0.7%	10,775	10,093	6.8%
E-mini FTSE China 50	0	2.78	-100.0%	0	-	0	41	-99.4%
E-MINI MIDCAP	10,489	10,918.65	-3.9%	9,917.55	5.8%	13,013	15,822	-17.8%
E-MINI NASDAQ 100	661,155	609,671.91	8.4%	608,256.85	8.7%	662,902	694,466	-4.5%
E-MINI RUSSELL 1000	116	46.74	148.3%	90.15	28.7%	386	630	-38.8%
E-MINI RUSSELL 1000 GROWTH	59	142.22	-58.2%	126.65	-53.1%	238	386	-38.4%
E-MINI RUSSELL 1000 VALUE	122	281.39	-56.6%	272.7	-55.2%	733	1,135	-35.4%
E-MINI RUSSELL 2000	181,063	182,540.78	-0.8%	174,898.05	3.5%	217,244	237,745	-8.6%
E-MINI S&P500	1,581,680	1,680,572.91	-5.9%	1,389,447.85	13.8%	1,791,451	1,900,575	-5.7%
E-MINI S&P500 ESG	739	648.7	13.9%	494.6	49.4%	1,043	1,399	-25.5%
ETHER	0	0.3	-100.0%	0	-	0	0	-100.0%
ETHER FUTURES	3,633	6,185.96	-41.3%	3,814.65	-4.8%	4,893	6,168	-20.7%
FT-SE 100	8	2.61	206.7%	5.25	52.4%	4	8	-50.6%
IBOVESPA INDEX	1	1.3	3.3%	0.8	68.5%	2	3	-39.2%
MICRO BITCOIN	6,988	8,825.61	-20.8%	9,072.75	-23.0%	9,928	16,570	-40.1%
MICRO E-MINI NASDAQ 100	1,190,070	1,246,404.52	-4.5%	986,233.4	20.7%	1,064,516	1,503,493	-29.2%
MICRO E-MINI RUSSELL 2000	66,536	83,767.3	-20.6%	64,155.35	3.7%	78,775	140,585	-44.0%
MICRO E-MINI S&P500	961,175	1,138,967.43	-15.6%	691,922.55	38.9%	1,039,535	1,331,142	-21.9%
MICRO ETHER	4,967	17,636.48	-71.8%	6,607.75	-24.8%	8,813	20,497	-57.0%
NASDAQ-100 VOLATILITY	0	3.83	-100.0%	0	-	19	110	-82.6%
NASDAQ BIOTECH SECTOR	0	4.35	-91.0%	16.75	-97.7%	9	8	5.5%
Nearby BTIC+	0	13.04	-100.0%	0	-	0	41	-100.0%
NIKKEI 225 (\$) STOCK	6,396	3,602.83	77.5%	8,507.7	-24.8%	6,448	5,599	15.2%
NIKKEI 225 (YEN) STOCK	24,130	25,159	-4.1%	30,435.3	-20.7%	29,780	37,663	-20.9%
PHLX SEMICONDUCTOR SECTO	9	1.13	680.8%	7.7	14.6%	20	0	12637.5%
S&P 500	3,672	1,344.04	173.2%	2,781.2	32.0%	4,817	3,337	44.3%
S&P 500 ANNUAL DIVIDEND IND	4,227	1,853.78	128.0%	3,158.2	33.8%	3,548	3,978	-10.8%
S&P 500 QUARLY DIVIDEND IND	382	105.48	261.7%	470.85	-19.0%	715	202	254.5%
S&P 600 SMALLCAP EMINI	3	0	-	29.6	-88.5%	4	0	-
S&P BIOTECHNOLOGY SECTOR	27	252.48	-89.4%	5.35	399.8%	50	35	44.5%
S&P COMMUNICATION SERVICE	61	111.91	-45.3%	165.35	-63.0%	261	182	43.9%
S&P CONSUMER DISCRETIONAR	254	314.52	-19.2%	340.8	-25.4%	496	654	-24.2%
S&P CONSUMER STAPLES SECT	1,081	970.65	11.4%	1,162.35	-7.0%	1,503	1,261	19.1%
S&P ENERGY SECTOR	1,223	1,945.04	-37.1%	1,197.5	2.1%	2,126	3,175	-33.0%
S&P FINANCIAL SECTOR	839	516.35	62.6%	717.9	16.9%	2,184	1,705	28.1%
S&P HEALTH CARE SECTOR	583	496.52	17.4%	477.9	22.0%	1,092	1,278	-14.6%
S&P INDUSTRIAL SECTOR	305	514.52	-40.7%	602.1	-49.3%	1,015	1,337	-24.1%
S&P MATERIALS SECTOR	252	414.57	-39.1%	944.95	-73.3%	783	724	8.2%
S&P OIL & GAS EXPLORATION A	19	136.26	-86.4%	11.05	67.6%	11	19	-41.2%
S&P REAL ESTATE SECTOR	211	80	163.9%	356.85	-40.8%	484	300	61.2%
S&P REGIONAL BANKS SECTOR	62	12.48	400.3%	38.85	60.7%	64	2	3647.6%
S&P RETAIL SECTOR	22	77.7	-72.1%	42.75	-49.4%	29	11	175.7%
S&P TECHNOLOGY SECTOR	525	522.65	0.4%	298.75	75.7%	820	1,075	-23.7%
S&P UTILITIES SECTOR	1,324	1,000.7	32.3%	1,854.1	-28.6%	2,111	1,677	25.9%
TOPIX (USD)	5	0	-	2	126.1%	4	0	-
TOPIX (YEN)	8	111.22	-92.8%	20.45	-60.9%	12	109	-89.0%
WATER INDEX FUTURES	0	1.09	-88.0%	0.4	-67.4%	1	4	-78.4%

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<b>Equity Index Options</b>								
BITCOIN OPTIONS	263	136.7	92.4%	238.55	10.2%	323	127	154.3%
E-MINI NASDAQ 100	79,969	38,890.13	105.6%	80,471.15	-0.6%	64,509	47,141	36.8%
E-MINI RUSSELL 2000	4,903	4,804.7	2.0%	5,444.2	-9.9%	6,891	6,724	2.5%
E-MINI S&P500	1,411,831	975,570.83	44.7%	1,111,007.5	27.1%	1,223,162	1,081,560	13.1%
ETHER OPTIONS	181	0	-	106	70.5%	90	0	-
EVENT CONTRACT S&P 500	278	0	-	366.4	-24.1%	255	0	-
MICRO BITCOIN	728	601.39	21.1%	786.35	-7.4%	572	330	73.2%
MICRO E-MINI NASDAQ 100	3,197	1,880.74	70.0%	2,550.7	25.3%	2,705	2,712	-0.3%
Micro E-mini S&P 500	9,951	8,424.17	18.1%	8,149.5	22.1%	11,034	11,148	-1.0%
MICRO ETHER	1,117	5,034.57	-77.8%	368.55	203.1%	866	1,308	-33.8%
<b>FX Futures</b>								
AD/CD CROSS RATES	0	0.74	-100.0%	0	-	1	3	-63.6%
AD/JY CROSS RATES	43	121.52	-64.9%	43.1	-0.9%	77	229	-66.5%
AD/NE CROSS RATES	103	105.61	-2.5%	257.15	-60.0%	162	188	-13.9%
AUSTRALIAN DOLLAR	83,581	87,592.17	-4.6%	90,273.3	-7.4%	93,860	97,935	-4.2%
BP/JY CROSS RATES	83	121.35	-31.5%	90.7	-8.4%	158	209	-24.5%
BP/SF CROSS RATES	30	82.57	-63.5%	110.7	-72.8%	166	104	58.7%
BRAZIL REAL	15,692	12,112	29.6%	13,519.3	16.1%	13,557	15,599	-13.1%
BRITISH POUND	91,312	105,524.7	-13.5%	101,864	-10.4%	103,731	113,030	-8.2%
CANADIAN DOLLAR	69,721	77,299.7	-9.8%	64,426.45	8.2%	80,209	85,901	-6.6%
CD/JY CROSS RATES	3	0.13	1867.2%	4.6	-44.2%	2	4	-34.6%
CHILEAN PESO	0	0	-	0	-	0	0	87.5%
CHINESE RENMINBI (CNH)	1,488	1,079.35	37.9%	1,533.35	-2.9%	1,320	1,221	8.2%
CZECK KORUNA (EC)	0	0	-	0	-	0	0	-87.8%
CZECK KORUNA (US)	0	2.7	-91.9%	0.25	-13.0%	1	0	198.7%
EC/AD CROSS RATES	135	176.43	-23.3%	72.65	86.3%	219	244	-9.9%
EC/CD CROSS RATES	109	186.87	-41.6%	162.35	-32.8%	266	385	-30.9%
EC/NOK CROSS RATES	15	69.35	-77.8%	149.9	-89.7%	125	72	73.5%
EC/SEK CROSS RATES	39	283.96	-86.3%	60.75	-35.8%	211	166	27.1%
EFX/BP CROSS RATES	1,825	2,719.35	-32.9%	2,350.45	-22.3%	2,878	4,242	-32.2%
EFX/JY CROSS RATES	1,314	1,234.96	6.4%	2,198.9	-40.2%	2,272	2,710	-16.2%
EFX/SF CROSS RATES	498	972.91	-48.8%	715.55	-30.4%	1,072	1,984	-46.0%
E-MICRO USD/CAD	2	2.17	-16.0%	1.4	30.4%	6	10	-43.9%
E-MICRO USD/CHF	2	1.43	63.6%	3.5	-32.9%	7	4	86.6%
E-MICRO USD/JPY	329	104.83	214.0%	353.1	-6.8%	173	888	-80.5%
E-MINI EURO FX	4,459	7,366.96	-39.5%	4,879.05	-8.6%	5,877	6,859	-14.3%
E-MINI JAPANESE YEN	579	767.3	-24.6%	760.6	-23.9%	596	498	19.6%
EURO FX	181,181	218,188.48	-17.0%	198,201.7	-8.6%	223,555	227,222	-1.6%
HUNGARIAN FORINT (EC)	0	0	-	0.05	-13.0%	0	0	-31.3%
HUNGARIAN FORINT (US)	0	0.09	49.9%	0.3	-56.5%	1	0	123.7%
INDIAN RUPEE	1,047	1,361.91	-23.1%	1,051.25	-0.4%	1,335	1,114	19.8%
JAPANESE YEN	135,711	159,654.35	-15.0%	206,057.25	-34.1%	170,623	145,485	17.3%
KOREAN WON	42	11.39	269.5%	28.2	49.2%	46	26	74.9%
MEXICAN PESO	52,233	45,861.96	13.9%	46,127.85	13.2%	58,670	53,830	9.0%
MICRO AUD/USD	13,000	10,498.61	23.8%	13,824.35	-6.0%	13,103	12,441	5.3%
MICRO CAD/USD	1,843	2,167.87	-15.0%	2,254.75	-18.3%	2,533	2,744	-7.7%

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<b>FX Futures</b>								
MICRO CHF/USD	718	767.74	-6.4%	805.05	-10.8%	745	790	-5.7%
MICRO EUR/USD	26,200	36,258.87	-27.7%	28,910.4	-9.4%	30,128	35,780	-15.8%
MICRO GBP/USD	3,269	4,800.26	-31.9%	3,173.95	3.0%	3,323	4,704	-29.4%
MICRO INR/USD	13	18.83	-28.9%	14.8	-9.5%	21	35	-38.6%
MICRO JPY/USD	0	0	-	0	-	0	609	-100.0%
MICRO USD/CNH	0	0	-	0	-	0	0	-100.0%
NEW ZEALND DOLLAR	28,487	29,413.65	-3.1%	31,545.75	-9.7%	30,491	29,222	4.3%
NKR/USD CROSS RATE	129	136.91	-5.8%	212.65	-39.4%	227	154	47.7%
POLISH ZLOTY (EC)	1	0.78	27.8%	1.55	-35.5%	3	6	-45.4%
POLISH ZLOTY (US)	42	22.78	84.9%	28.85	46.0%	58	65	-11.0%
RMB USD	0	0.17	-100.0%	0	-	0	0	-73.7%
RUSSIAN RUBLE	0	3.39	-100.0%	0	-	0	3,517	-100.0%
S.AFRICAN RAND	4,167	3,123.22	33.4%	4,954.95	-15.9%	4,235	4,581	-7.5%
SF/JY CROSS RATES	8	14.78	-44.7%	19.95	-59.0%	43	41	3.1%
SHEKEL	9	0.43	2019.9%	5.65	63.1%	5	1	607.4%
SKR/USD CROSS RATES	160	202.04	-20.8%	216.4	-26.1%	265	352	-24.7%
SWISS FRANC	16,181	23,696.43	-31.7%	21,209.7	-23.7%	21,064	25,382	-17.0%
TURKISH LIRA	3	0	-	0	-	2	2	15.7%
USDZAR	0	0	-	0	-	1	0	238.7%
<b>FX Options</b>								
AUD/USD MONDAY OPTION WEE	13	0.04	29485.3%	0.7	1738.5%	10	10	-6.5%
AUD/USD MONDAY OPTION WEE	31	4.3	629.3%	11.25	179.0%	21	19	9.2%
AUD/USD MONDAY OPTION WEE	6	9.04	-38.9%	15.3	-63.9%	11	13	-16.2%
AUD/USD MONDAY OPTION WEE	32	3.74	743.0%	15.7	100.8%	15	17	-11.7%
AUD/USD MONDAY OPTION WEE	0	19.09	-100.0%	8.75	-100.0%	3	7	-59.8%
AUD/USD MONTHLY OPTIONS	2,722	2,652.3	2.6%	3,894.75	-30.1%	3,059	4,205	-27.2%
AUD/USD THURSDAY WKLY OPT	1	0	-	42.55	-98.7%	6	0	-
AUD/USD THURSDAY WKLY OPT	5	0	-	17.75	-74.5%	4	0	-
AUD/USD THURSDAY WKLY OPT	2	0	-	0.95	60.2%	7	0	-
AUD/USD THURSDAY WKLY OPT	46	0	-	2.55	1686.9%	9	0	-
AUD/USD THURSDAY WKLY OPT	0	0	-	0	-	3	0	-
AUD/USD TUESDAY WKLY OPT	57	0	-	1.15	4826.3%	9	0	-
AUD/USD TUESDAY WKLY OPT	1	0	-	31.75	-95.9%	11	0	-
AUD/USD TUESDAY WKLY OPT	6	0	-	23.4	-76.4%	7	0	-
AUD/USD TUESDAY WKLY OPT	17	0	-	11.35	53.6%	6	0	-
AUD/USD TUESDAY WKLY OPT	3	0	-	0	-	2	0	-
AUD/USD WKLY FRIDAY OPTION	137	73.04	88.0%	0.05	274508.6%	27	32	-14.2%
AUD/USD WKLY FRIDAY OPTION	70	29.96	132.4%	82.15	-15.3%	74	77	-4.0%
AUD/USD WKLY FRIDAY OPTION	64	70.52	-9.4%	82.75	-22.8%	88	114	-22.9%
AUD/USD WKLY FRIDAY OPTION	83	94.83	-12.6%	99.05	-16.3%	91	88	3.0%
AUD/USD WKLY FRIDAY OPTION	25	13.35	88.6%	0	-	20	29	-32.4%
AUD/USD WKLY WED OPTIONS -	13	5.7	125.2%	16.9	-24.1%	22	35	-36.9%
AUD/USD WKLY WED OPTIONS -	23	21	11.8%	19.9	18.0%	13	24	-45.3%
AUD/USD WKLY WED OPTIONS -	13	8	60.3%	40.75	-68.5%	15	31	-49.5%
AUD/USD WKLY WED OPTIONS -	7	15.09	-50.4%	24.1	-69.0%	14	27	-46.2%
AUD/USD WKLY WED OPTIONS -	33	13.87	137.3%	0	-	8	3	121.3%
BRL/USD MONTHLY OPTIONS	6	15.87	-61.6%	0	-	2	16	-87.4%

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<b>FX Options</b>								
CAD/USD MONDAY OPTIONS WE	11	0	-	7.05	54.2%	38	8	393.2%
CAD/USD MONDAY OPTIONS WE	20	46.87	-56.3%	11.7	75.0%	54	57	-5.4%
CAD/USD MONDAY OPTIONS WE	31	73.17	-57.8%	22.1	39.9%	36	46	-21.0%
CAD/USD MONDAY OPTIONS WE	41	39.09	6.0%	2.75	1406.7%	34	37	-8.8%
CAD/USD MONDAY OPTIONS WE	0	12.13	-100.0%	4.55	-100.0%	2	9	-78.0%
CAD/USD MONTHLY OPTIONS	1,294	3,729.57	-65.3%	1,351.25	-4.3%	2,607	4,505	-42.1%
CAD/USD THURSDAY WKLY OPT	1	0	-	15.35	-96.6%	14	0	-
CAD/USD THURSDAY WKLY OPT	2	0	-	5.6	-64.3%	14	0	-
CAD/USD THURSDAY WKLY OPT	9	0	-	8.2	6.6%	16	0	-
CAD/USD THURSDAY WKLY OPT	17	0	-	0.35	4682.6%	23	0	-
CAD/USD THURSDAY WKLY OPT	15	0	-	0	-	14	0	-
CAD/USD TUESDAY WKLY OPT	9	0	-	9.15	3.6%	18	0	-
CAD/USD TUESDAY WKLY OPT	1	0	-	24.6	-96.1%	30	0	-
CAD/USD TUESDAY WKLY OPT	0	0	-	2	-84.8%	17	0	-
CAD/USD TUESDAY WKLY OPT	0	0	-	23	-99.6%	8	0	-
CAD/USD TUESDAY WKLY OPT	5	0	-	0	-	5	0	-
CAD/USD WKLY FRIDAY OPTION	243	184.48	31.6%	3.25	7371.6%	69	75	-8.6%
CAD/USD WKLY FRIDAY OPTION	27	152.52	-82.2%	146	-81.4%	103	173	-40.5%
CAD/USD WKLY FRIDAY OPTION	105	235.3	-55.2%	57.55	83.3%	117	285	-58.8%
CAD/USD WKLY FRIDAY OPTION	101	108.22	-6.8%	125.4	-19.6%	149	228	-34.6%
CAD/USD WKLY FRIDAY OPTION	23	0.09	26486.8%	0	-	50	61	-17.8%
CAD/USD WKLY WED OPTIONS -	57	78.04	-26.6%	16.7	243.1%	64	48	33.6%
CAD/USD WKLY WED OPTIONS -	30	96.96	-69.1%	31	-3.2%	53	65	-18.2%
CAD/USD WKLY WED OPTIONS -	19	69.91	-73.5%	7	164.6%	39	70	-45.2%
CAD/USD WKLY WED OPTIONS -	3	17.7	-82.1%	62.2	-94.9%	53	81	-34.7%
CAD/USD WKLY WED OPTIONS -	62	15.74	296.4%	0	-	21	27	-20.3%
CHF/USD MONTHLY OPTIONS	151	121.57	24.0%	250.55	-39.8%	388	242	60.4%
CHF/USD WKLY FRIDAY OPTION	83	18	361.8%	0	-	12	6	107.0%
CHF/USD WKLY FRIDAY OPTION	2	1.22	35.7%	60.05	-97.2%	33	5	535.1%
CHF/USD WKLY FRIDAY OPTION	82	4.52	1721.2%	53.3	54.5%	40	6	594.0%
CHF/USD WKLY FRIDAY OPTION	130	1.26	10206.6%	266.15	-51.2%	92	6	1390.8%
CHF/USD WKLY FRIDAY OPTION	0	0.04	299.8%	0	-	18	0	3588.0%
EUR/GBP MONTHLY OPTIONS	0	0	-	0	-	0	22	-100.0%
EUR/USD MONDAY OPTION WEE	7	26.74	-74.1%	7.9	-12.5%	81	72	12.3%
EUR/USD MONDAY OPTION WEE	74	71.7	3.5%	38.75	91.5%	82	127	-35.3%
EUR/USD MONDAY OPTION WEE	67	5.39	1137.9%	107.45	-37.9%	65	45	45.0%
EUR/USD MONDAY OPTION WEE	79	20.35	290.6%	8.5	835.0%	87	143	-39.2%
EUR/USD MONDAY OPTION WEE	0	60.87	-100.0%	55.3	-100.0%	12	25	-51.6%
EUR/USD MONTHLY OPTIONS	10,668	9,040.43	18.0%	13,001.6	-18.0%	12,977	11,922	8.9%
EUR/USD THURSDAY WKLY OPT	7	0	-	43.05	-83.3%	38	0	-
EUR/USD THURSDAY WKLY OPT	42	0	-	14.25	196.6%	33	0	-
EUR/USD THURSDAY WKLY OPT	1	0	-	2	-43.5%	27	0	-
EUR/USD THURSDAY WKLY OPT	2	0	-	24.05	-91.3%	41	0	-
EUR/USD THURSDAY WKLY OPT	12	0	-	0	-	2	0	-
EUR/USD TUESDAY WKLY OPT	37	0	-	50.75	-26.8%	15	0	-
EUR/USD TUESDAY WKLY OPT	9	0	-	22.9	-61.3%	33	0	-
EUR/USD TUESDAY WKLY OPT	1	0	-	33.85	-97.2%	34	0	-
EUR/USD TUESDAY WKLY OPT	3	0	-	21.05	-83.7%	23	0	-
EUR/USD TUESDAY WKLY OPT	7	0	-	0	-	10	0	-

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<b>FX Options</b>								
EUR/USD WKLY FRIDAY OPTION	646	485.7	33.0%	2.55	25223.1%	170	303	-43.7%
EUR/USD WKLY FRIDAY OPTION	976	393.91	147.8%	1,129.8	-13.6%	869	710	22.3%
EUR/USD WKLY FRIDAY OPTION	1,048	778.74	34.6%	2,201.5	-52.4%	1,120	796	40.7%
EUR/USD WKLY FRIDAY OPTION	1,519	721	110.6%	640.45	137.1%	1,337	951	40.6%
EUR/USD WKLY FRIDAY OPTION	33	1.17	2711.1%	0	-	120	261	-54.2%
EUR/USD WKLY WED OPTIONS -	247	180.04	37.5%	248.8	-0.5%	223	281	-20.6%
EUR/USD WKLY WED OPTIONS -	294	234.04	25.8%	181.65	62.1%	276	249	10.8%
EUR/USD WKLY WED OPTIONS -	135	205.91	-34.6%	132.55	1.6%	212	257	-17.7%
EUR/USD WKLY WED OPTIONS -	172	307.78	-44.0%	140.25	22.8%	206	307	-33.0%
EUR/USD WKLY WED OPTIONS -	193	354.3	-45.6%	0	-	89	128	-30.7%
EVENT CONTRACT EUR/USD	337	0	-	317.8	6.1%	268	0	-
GBP/USD MONDAY OPTION WEE	7	0.04	15692.2%	1.05	554.2%	27	25	9.1%
GBP/USD MONDAY OPTION WEE	38	66.87	-43.8%	35.85	4.8%	52	53	-1.1%
GBP/USD MONDAY OPTION WEE	18	3.87	375.3%	4	359.8%	17	13	32.4%
GBP/USD MONDAY OPTION WEE	22	6.04	269.8%	8.65	158.4%	22	24	-6.7%
GBP/USD MONDAY OPTION WEE	0	48.65	-100.0%	9.55	-100.0%	4	9	-60.1%
GBP/USD MONTHLY OPTIONS	3,326	3,577.87	-7.0%	2,908.2	14.4%	3,186	3,694	-13.8%
GBP/USD THURSDAY WKLY OPT	8	0	-	7.95	4.5%	10	0	-
GBP/USD THURSDAY WKLY OPT	2	0	-	43	-94.3%	10	0	-
GBP/USD THURSDAY WKLY OPT	5	0	-	14.45	-63.0%	13	0	-
GBP/USD THURSDAY WKLY OPT	4	0	-	5.4	-20.3%	6	0	-
GBP/USD THURSDAY WKLY OPT	3	0	-	0	-	2	0	-
GBP/USD TUESDAY WKLY OPT	2	0	-	1.5	53.6%	6	0	-
GBP/USD TUESDAY WKLY OPT	10	0	-	14.65	-32.9%	17	0	-
GBP/USD TUESDAY WKLY OPT	5	0	-	4.3	13.2%	11	0	-
GBP/USD TUESDAY WKLY OPT	6	0	-	6.6	-10.4%	9	0	-
GBP/USD TUESDAY WKLY OPT	5	0	-	0	-	3	0	-
GBP/USD WKLY FRIDAY OPTION	165	151.96	8.8%	0	-	39	53	-27.4%
GBP/USD WKLY FRIDAY OPTION	40	145.78	-72.4%	181.15	-77.8%	139	121	15.0%
GBP/USD WKLY FRIDAY OPTION	163	117.83	38.7%	187.75	-13.0%	194	163	18.9%
GBP/USD WKLY FRIDAY OPTION	174	109.7	58.4%	134.95	28.8%	117	130	-9.6%
GBP/USD WKLY FRIDAY OPTION	31	31.57	-1.5%	0	-	30	49	-38.7%
GBP/USD WKLY WED OPTIONS -	6	18.22	-69.2%	66.2	-91.5%	33	58	-43.6%
GBP/USD WKLY WED OPTIONS -	36	17.43	105.0%	42.85	-16.6%	52	23	122.0%
GBP/USD WKLY WED OPTIONS -	30	4.26	601.0%	104.95	-71.5%	57	47	21.7%
GBP/USD WKLY WED OPTIONS -	17	41.7	-59.2%	17.55	-3.1%	33	58	-43.5%
GBP/USD WKLY WED OPTIONS -	34	8.22	314.8%	0	-	9	4	116.3%
JPY/USD MONDAY OPTION WEE	12	0.17	6725.5%	17.4	-31.8%	30	17	74.9%
JPY/USD MONDAY OPTION WEE	9	56.35	-84.3%	25.25	-64.9%	71	47	52.6%
JPY/USD MONDAY OPTION WEE	77	33.74	126.9%	5.2	1372.4%	23	17	38.5%
JPY/USD MONDAY OPTION WEE	15	37.09	-59.2%	7.75	95.2%	37	48	-22.7%
JPY/USD MONDAY OPTION WEE	0	8.52	-100.0%	141.5	-100.0%	23	1	1469.7%
JPY/USD MONTHLY OPTIONS	4,208	4,179.57	0.7%	7,121.35	-40.9%	4,837	7,317	-33.9%
JPY/USD THURSDAY WKLY OPT	1	0	-	75.1	-98.9%	10	0	-
JPY/USD THURSDAY WKLY OPT	1	0	-	30.3	-96.4%	4	0	-
JPY/USD THURSDAY WKLY OPT	1	0	-	0.6	30.4%	2	0	-
JPY/USD THURSDAY WKLY OPT	3	0	-	0.5	508.7%	1	0	-
JPY/USD THURSDAY WKLY OPT	1	0	-	0	-	2	0	-
JPY/USD TUESDAY WKLY OPT W	3	0	-	0.95	179.2%	1	0	-

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<b>FX Options</b>								
JPY/USD TUESDAY WKLY OPT W	0	0	-	1.9	-88.6%	20	0	-
JPY/USD TUESDAY WKLY OPT W	4	0	-	7.95	-53.0%	13	0	-
JPY/USD TUESDAY WKLY OPT W	4	0	-	26.45	-86.5%	10	0	-
JPY/USD TUESDAY WKLY OPT W	4	0	-	0	-	1	0	-
JPY/USD WKLY FRIDAY OPTION	295	320.87	-8.0%	0.1	295247.8%	60	194	-69.0%
JPY/USD WKLY FRIDAY OPTION	184	365.83	-49.7%	474.55	-61.2%	312	403	-22.6%
JPY/USD WKLY FRIDAY OPTION	387	388.48	-0.5%	228.65	69.1%	374	555	-32.6%
JPY/USD WKLY FRIDAY OPTION	471	420.87	11.8%	751.6	-37.4%	366	524	-30.1%
JPY/USD WKLY FRIDAY OPTION	38	5.35	616.2%	0	-	63	176	-64.2%
JPY/USD WKLY WED OPTIONS -	67	88.87	-24.9%	347.8	-80.8%	143	153	-6.5%
JPY/USD WKLY WED OPTIONS -	101	132.17	-23.5%	207	-51.2%	131	149	-12.4%
JPY/USD WKLY WED OPTIONS -	81	191.91	-58.0%	187.8	-57.1%	154	138	11.7%
JPY/USD WKLY WED OPTIONS -	76	109.91	-30.7%	110.9	-31.3%	111	190	-41.3%
JPY/USD WKLY WED OPTIONS -	148	193.48	-23.6%	0	-	39	72	-45.8%
MXN/USD MONTHLY OPTIONS	20	294.22	-93.4%	78.05	-74.9%	22	85	-73.5%
MXN/USD WKLY FRIDAY OPTION	0	0	-	0	-	0	0	-
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	22	7.09	214.7%	3.85	479.3%	451	44	928.3%
NZD/USD WKLY FRIDAY OPTION	0	0	-	0	-	0	0	-
USD/CNH MONTHLY OPTIONS	0	0	-	0	-	5	0	-
USD/CNH WEEKLY FRIDAY OPTI	0	0	-	0	-	0	0	-
ZAR/USD MONTHLY OPTIONS	0	0	-	0	-	4	0	-

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	ADV AUG 2023	ADV AUG 2022	% CHG	ADV JUL 2023	% CHG	ADV Y.T.D 2023	ADV Y.T.D 2022	% CHG
<b>Ag Products Futures</b>								
BLOCK CHEESE	39	10.78	259.3%	36.5	6.1%	23	17	32.2%
BUTTER CS	188	172.7	8.8%	163.4	15.0%	179	214	-16.3%
CASH-SETTLED CHEESE	481	384.48	25.0%	706.9	-32.0%	653	487	34.2%
CATTLE	52,608	45,003.96	16.9%	77,298.45	-31.9%	65,778	57,848	13.7%
CDD SEASONAL STRIP	0	4.35	-100.0%	0	-	24	44	-45.3%
CDD WEATHER	89	0	-	125	-28.7%	96	142	-32.6%
CLASS IV MILK	49	107.52	-54.2%	70.95	-30.6%	57	134	-57.1%
DRY WHEY	40	32.39	23.0%	40.55	-1.8%	53	50	5.7%
FEEDER CATTLE	17,655	13,852.04	27.5%	18,050.95	-2.2%	16,995	13,052	30.2%
GOLDMAN SACHS	80	207.13	-61.5%	84.35	-5.5%	100	191	-47.9%
GSCI EXCESS RETURN FUT	96	198	-51.7%	36.5	162.1%	940	1,810	-48.0%
HDD EURO SEASONAL STRIP	0	38.04	-100.0%	0	-	0	13	-100.0%
HDD SEASONAL STRIP	0	43.48	-100.0%	0	-	0	6	-100.0%
HDD WEATHER	0	43.48	-100.0%	0	-	12	54	-77.8%
HDD WEATHER EUROPEAN	0	0	-	0	-	45	23	93.5%
HOGS	43,032	38,144.52	12.8%	57,108.25	-24.6%	53,063	46,154	15.0%
HOUSING INDEX	1	0.7	37.5%	0.9	6.3%	1	1	-4.5%
LUMBER	839	520.09	61.3%	772.9	8.6%	704	403	74.7%
MALAYSIAN PALM SWAP	0	0	-	0	-	0	0	-
MILK	1,366	1,213.13	12.6%	2,121.3	-35.6%	1,529	1,433	6.7%
MLK MID OPTIONS	0	0	-	0	-	0	0	-
NFD MILK	249	224.78	10.8%	203.4	22.4%	247	288	-14.1%
OTC SP GSCI ER SWAP	890	0	-	899.05	-1.0%	691	0	-
PACIFIC RIM DAT SS WTHR	0	0	-	0	-	0	0	-
PORK CUTOFF	75	58.39	27.9%	84.4	-11.5%	75	111	-32.8%
S&P GSCI ENHANCED ER SWAP	0	0	-	0	-	0	0	-
USD CRUDE PALM OIL	918	955.74	-3.9%	1,055.1	-13.0%	1,290	1,089	18.5%

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	ADV AUG 2023	ADV AUG 2022	% CHG	ADV JUL 2023	% CHG	ADV Y.T.D 2023	ADV Y.T.D 2022	% CHG
<b>Ag Products Options</b>								
BLOCK CHEESE	44	1.39	3049.8%	21.9	100.1%	18	15	20.4%
BUTTER CS	46	92.13	-50.5%	156.55	-70.9%	100	76	31.3%
CASH-SETTLED CHEESE	302	356.04	-15.2%	464.9	-35.0%	369	368	0.3%
CATTLE	13,978	10,293.26	35.8%	15,768.05	-11.3%	14,447	10,302	40.2%
CDD SEASONAL STRIP	0	0	-	0	-	492	123	301.0%
CDD WEATHER	1,304	0	-	25	5117.4%	695	7	10445.5%
CLASS IV MILK	185	469	-60.5%	656.1	-71.8%	324	333	-2.7%
DRY WHEY	52	8	548.9%	0	-	8	19	-60.8%
FEEDER CATTLE	2,907	1,834.74	58.4%	2,525.4	15.1%	2,779	1,716	62.0%
HDD EURO SEASONAL STRIP	217	76.09	185.7%	50	334.8%	168	25	558.8%
HDD SEASONAL STRIP	565	43.48	1200.0%	725	-22.0%	254	6	4150.0%
HDD WEATHER	0	326.09	-100.0%	0	-	178	74	141.5%
HDD WEATHER EUROPEAN	0	0	-	0	-	120	6	1900.0%
HOGS	16,725	10,641.74	57.2%	17,073.6	-2.0%	15,038	11,042	36.2%
LUMBER	25	16.22	54.2%	14	78.6%	14	21	-34.4%
LV CATL CSO	0	0	-	0	-	0	0	-
MILK	924	1,418.87	-34.9%	1,355.05	-31.8%	1,186	1,113	6.6%
MLK MID OPTIONS	0	0	-	0.2	-100.0%	0	0	-57.8%
NFD MILK	337	203.09	66.1%	180.9	86.4%	232	212	9.5%
PORK CUTOUT	4	0	-	0.2	2073.9%	1	0	217.1%
<b>TOTAL FUTURES GROUP</b>								
Interest Rate Futures	3,126,127	3,127,833.43	-0.1%	2,796,614.5	11.8%	3,535,431	3,472,081	1.8%
Equity Index Futures	4,724,804	5,035,888.52	-6.2%	4,009,420.7	17.8%	4,962,657	5,945,241	-16.5%
FX Futures	735,808	834,134	-11.8%	842,476.45	-12.7%	867,421	880,588	-1.5%
Ag Products Futures	118,693	101,215.7	17.3%	158,858.85	-25.3%	142,554	123,564	15.4%
<b>TOTAL FUTURES</b>	<b>8,705,432</b>	<b>9,099,071.65</b>	<b>-4.3%</b>	<b>7,807,370.5</b>	<b>11.5%</b>	<b>9,508,062.71</b>	<b>10,421,474.9</b>	<b>-8.8%</b>
<b>TOTAL OPTIONS GROUP</b>								
Interest Rate Options	1,123,825	949,416.22	18.4%	1,174,484.2	-4.3%	1,857,596	1,199,831	54.8%
Equity Index Options	1,512,417	1,035,343.22	46.1%	1,209,488.9	25.0%	1,310,407	1,151,049	13.8%
FX Options	32,997	32,128.7	2.7%	39,090.15	-15.6%	37,658	42,043	-10.4%
Ag Products Options	37,617	25,780.13	45.9%	39,016.85	-3.6%	36,423	25,457	43.1%
<b>TOTAL OPTIONS</b>	<b>2,706,856</b>	<b>2,042,668.26</b>	<b>32.5%</b>	<b>2,462,080.1</b>	<b>9.9%</b>	<b>3,242,083.93</b>	<b>2,418,381.32</b>	<b>34.1%</b>
<b>TOTAL COMBINED</b>								
Interest Rate	4,249,952	4,077,249.65	4.2%	3,971,098.7	7.0%	5,393,027	4,671,912	15.4%
Equity Index	6,237,221	6,071,231.74	2.7%	5,218,909.6	19.5%	6,273,064	7,096,291	-11.6%
FX	768,805	866,262.7	-11.3%	881,566.6	-12.8%	905,079	922,632	-1.9%
Ag Products	156,310	126,995.83	23.1%	197,875.7	-21.0%	178,976	149,021	20.1%
<b>GRAND TOTAL</b>	<b>11,412,288</b>	<b>11,141,739.91</b>	<b>2.4%</b>	<b>10,269,450.6</b>	<b>11.1%</b>	<b>12,750,146.64</b>	<b>12,839,856.22</b>	<b>-0.7%</b>