

CME Exchange ADV Report - Monthly

April 2023

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	ADV APR 2023	ADV APR 2022	% CHG	ADV MAR 2023	% CHG	ADV Y.T.D 2023	ADV Y.T.D 2022	% CHG
Interest Rate Futures								
1-MONTH EURODOLLAR	53	226.65	-76.8%	0	-	12	768	-98.4%
BSBY 3-MONTH FUTURES	221	3,302.45	-93.3%	397.43	-44.3%	298	4,429	-93.3%
ESTR Basis Spread Futures	5	0	-	63.39	-91.5%	58	0	-
ESTR Futures	1,626	0	-	1,378.87	17.9%	1,645	0	-
EURODOLLARS	69,933	1,750,167.85	-96.0%	436,757.74	-84.0%	340,409	2,489,292	-86.3%
FTIIE	19	3	524.6%	14.52	29.0%	14	6	126.5%
SOFR	2,560,245	1,407,402.95	81.9%	5,158,968.61	-50.4%	3,591,755	1,250,276	187.3%
SONIA	0	0.6	-100.0%	3.3	-100.0%	16	13	26.8%
Interest Rate Options								
EURODOLLARS	34,310	486,153.65	-92.9%	92,179.09	-62.8%	105,626	793,293	-86.7%
EURO MIDCURVE	1,733	325,919.75	-99.5%	3,269.26	-47.0%	7,380	530,633	-98.6%
SOFR	1,306,582	48,294.95	2605.4%	2,517,030.09	-48.1%	1,830,748	29,113	6188.4%
SOFR MIDCURVE	193,258	27,283.3	608.3%	426,391.57	-54.7%	380,049	18,805	1921.0%
SOFR MISCURVE	0	0	-	0	-	9	0	-

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Equity Index Futures								
BITCOIN	9,713	7,589	28.0%	12,023.57	-19.2%	10,763	8,509	26.5%
E-mini FTSE China 50	0	114.3	-100.0%	0	-	1	69	-99.2%
E-MINI MIDCAP	10,162	13,884.4	-26.8%	21,056.39	-51.7%	13,825	17,344	-20.3%
E-MINI NASDAQ 100	615,232	644,223.45	-4.5%	781,411.26	-21.3%	669,787	711,949	-5.9%
E-MINI RUSSELL 1000	94	887.5	-89.5%	907.43	-89.7%	455	634	-28.2%
E-MINI RUSSELL 1000 GROWTH	70	166.8	-57.9%	634.13	-88.9%	259	481	-46.0%
E-MINI RUSSELL 1000 VALUE	572	488.7	17.0%	1,444.48	-60.4%	735	1,167	-37.1%
E-MINI RUSSELL 2000	166,780	208,830.75	-20.1%	313,098.26	-46.7%	221,394	252,452	-12.3%
E-MINI S&P500	1,538,310	1,614,401.6	-4.7%	2,420,786.57	-36.5%	1,920,697	1,877,875	2.3%
E-MINI S&P500 ESG	725	416.4	74.1%	2,162.09	-66.5%	1,116	1,764	-36.7%
ETHER	0	0	-	0	-	0	0	-
ETHER FUTURES	5,580	4,178.4	33.6%	5,832.26	-4.3%	5,832	4,932	18.3%
FT-SE 100	2	0	-	0	-	2	11	-80.1%
IBOVESPA INDEX	1	7.6	-87.5%	0.52	81.6%	2	3	-53.3%
MICRO BITCOIN	12,753	15,084.15	-15.5%	11,797.09	8.1%	10,609	18,650	-43.1%
MICRO E-MINI NASDAQ 100	921,867	1,317,796.9	-30.0%	1,176,357.3	-21.6%	1,100,965	1,533,968	-28.2%
MICRO E-MINI RUSSELL 2000	69,318	107,163.15	-35.3%	98,427.74	-29.6%	83,792	159,798	-47.6%
MICRO E-MINI S&P500	913,370	1,178,301	-22.5%	1,321,088	-30.9%	1,201,738	1,320,590	-9.0%
MICRO ETHER	14,216	19,653.15	-27.7%	8,652.61	64.3%	10,983	19,218	-42.8%
NASDAQ-100 VOLATILITY	1	99.95	-99.5%	0.78	-32.7%	40	173	-77.1%
NASDAQ BIOTECH SECTOR	12	8.25	50.6%	9.7	28.1%	13	7	80.7%
Nearby BTIC+	0	80	-100.0%	0	-	0	29	-100.0%
NIKKEI 225 (\$) STOCK	3,334	4,659.85	-28.4%	6,202.87	-46.2%	4,611	6,326	-27.1%
NIKKEI 225 (YEN) STOCK	20,571	30,265.65	-32.0%	33,807.65	-39.2%	27,039	41,676	-35.1%
PHLX SEMICONDUCTOR SECTO	31	0	-	23.74	29.5%	19	0	-
S&P 500	2,378	1,407.55	68.9%	7,591.65	-68.7%	4,923	4,085	20.5%
S&P 500 ANNUAL DIVIDEND IND	3,064	2,943.55	4.1%	5,261.87	-41.8%	3,747	4,348	-13.8%
S&P 500 QUARLY DIVIDEND IND	893	30.05	2872.8%	1,184.13	-24.6%	926	204	354.2%
S&P BIOTECHNOLOGY SECTOR	153	0	-	91.61	67.5%	71	0	-
S&P COMMUNICATION SERVICE	228	144.85	57.7%	377.83	-39.5%	219	177	24.2%
S&P CONSUMER DISCRETIONAR	389	310.85	25.3%	819.87	-52.5%	461	594	-22.5%
S&P CONSUMER STAPLES SECT	1,183	1,062.65	11.3%	2,265.57	-47.8%	1,569	1,247	25.9%
S&P ENERGY SECTOR	1,562	1,383.1	13.0%	4,266.39	-63.4%	2,138	3,172	-32.6%
S&P FINANCIAL SECTOR	1,502	969.45	55.0%	6,457.35	-76.7%	2,644	2,022	30.7%
S&P HEALTH CARE SECTOR	634	874.15	-27.4%	2,825	-77.6%	1,243	1,298	-4.2%
S&P INDUSTRIAL SECTOR	497	709.35	-29.9%	2,649.3	-81.2%	1,226	1,321	-7.2%
S&P MATERIALS SECTOR	208	403.55	-48.6%	1,018.13	-79.6%	508	798	-36.4%
S&P OIL & GAS EXPLORATION A	7	0	-	24.43	-71.4%	12	0	-
S&P REAL ESTATE SECTOR	231	83.6	175.7%	893.35	-74.2%	577	394	46.3%
S&P REGIONAL BANKS SECTOR	95	0	-	83.57	13.8%	51	0	-
S&P RETAIL SECTOR	5	0	-	13.48	-66.4%	18	0	-
S&P TECHNOLOGY SECTOR	378	573.55	-34.1%	1,986.65	-81.0%	912	1,311	-30.5%
S&P UTILITIES SECTOR	865	1,121.05	-22.8%	4,663.26	-81.4%	2,209	1,761	25.5%
TOPIX (USD)	0	0	-	6.04	-100.0%	2	0	-
TOPIX (YEN)	4	137.8	-97.2%	22.13	-82.4%	12	185	-93.4%
WATER INDEX FUTURES	1	4.45	-83.4%	0.74	-0.3%	1	6	-82.3%

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Equity Index Options								
BITCOIN OPTIONS	400	72.55	450.8%	554.91	-28.0%	421	95	342.5%
E-MINI NASDAQ 100	47,741	47,288.7	1.0%	59,633.26	-19.9%	51,831	41,558	24.7%
E-MINI RUSSELL 2000	8,837	7,106.35	24.4%	7,453.09	18.6%	6,744	7,851	-14.1%
E-MINI S&P500	1,006,472	1,042,921.9	-3.5%	1,385,629.17	-27.4%	1,202,675	1,111,870	8.2%
ETHER OPTIONS	79	0	-	46.96	68.7%	58	0	-
EVENT CONTRACT S&P 500	672	0	-	75.61	788.4%	179	0	-
MICRO BITCOIN	583	178.8	226.1%	496.26	17.5%	500	45	1011.0%
MICRO E-MINI NASDAQ 100	2,181	2,839.5	-23.2%	2,632.13	-17.1%	2,619	3,259	-19.6%
Micro E-mini S&P 500	9,055	8,299.7	9.1%	12,432.91	-27.2%	12,630	12,468	1.3%
MICRO ETHER	725	878.5	-17.4%	671.87	8.0%	548	459	19.2%
FX Futures								
AD/CD CROSS RATES	0	5.25	-98.0%	4.3	-97.6%	2	3	-30.5%
AD/JY CROSS RATES	68	317.7	-78.5%	171.26	-60.1%	96	282	-66.1%
AD/NE CROSS RATES	157	139.95	12.4%	184.35	-14.7%	138	118	16.4%
AUSTRALIAN DOLLAR	74,102	85,699.55	-13.5%	120,213.65	-38.4%	94,377	93,649	0.8%
BP/JY CROSS RATES	65	179.65	-63.6%	364.57	-82.1%	183	223	-18.1%
BP/SF CROSS RATES	177	111.7	58.4%	224.83	-21.3%	170	111	53.2%
BRAZIL REAL	12,692	17,674.1	-28.2%	12,705.78	-0.1%	14,051	16,878	-16.7%
BRITISH POUND	85,515	99,748.55	-14.3%	136,163.48	-37.2%	102,507	110,103	-6.9%
CANADIAN DOLLAR	71,136	73,274.65	-2.9%	113,151.26	-37.1%	85,059	80,903	5.1%
CD/JY CROSS RATES	0	0.1	-100.0%	0.04	-100.0%	0	7	-99.0%
CHILEAN PESO	0	0	-	0	-	0	0	-86.8%
CHINESE RENMINBI (CNH)	585	1,569.25	-62.7%	1,550.3	-62.3%	1,219	1,090	11.8%
CZECK KORUNA (EC)	0	1.2	-100.0%	0.09	-100.0%	0	0	-88.4%
CZECK KORUNA (US)	0	0.05	215.8%	0.48	-67.0%	3	0	1925.4%
EC/AD CROSS RATES	136	167.65	-18.9%	529.65	-74.3%	223	253	-11.9%
EC/CD CROSS RATES	189	257.45	-26.6%	731.87	-74.2%	316	399	-20.7%
EC/NOK CROSS RATES	20	55.65	-63.7%	260.17	-92.2%	112	66	71.2%
EC/SEK CROSS RATES	24	38.95	-38.7%	623.17	-96.2%	241	112	115.5%
EFX/BP CROSS RATES	1,454	2,885.8	-49.6%	5,627.74	-74.2%	2,735	4,542	-39.8%
EFX/JY CROSS RATES	1,277	1,700.95	-24.9%	4,531.04	-71.8%	2,280	3,325	-31.4%
EFX/SF CROSS RATES	515	1,040.4	-50.5%	2,790.65	-81.5%	1,199	2,148	-44.2%
E-MICRO USD/CAD	6	5.55	0.5%	8.7	-35.8%	9	16	-45.1%
E-MICRO USD/CHF	23	1.2	1786.0%	9.48	138.8%	12	3	258.5%
E-MICRO USD/JPY	253	710.3	-64.3%	69.04	267.0%	108	321	-66.4%
E-MINI EURO FX	5,446	5,077.05	7.3%	7,832.52	-30.5%	6,939	6,329	9.6%
E-MINI JAPANESE YEN	381	563.3	-32.4%	531.13	-28.3%	545	385	41.4%
EURO FX	179,107	179,127.6	0.0%	319,264.22	-43.9%	230,683	218,855	5.4%
HUNGARIAN FORINT (EC)	0	0.05	-100.0%	0.26	-100.0%	0	0	-57.6%
HUNGARIAN FORINT (US)	1	0.1	1110.5%	1.09	11.4%	1	0	140.9%
INDIAN RUPEE	1,042	1,123	-7.2%	1,201.3	-13.3%	1,588	992	60.1%
JAPANESE YEN	147,674	143,460.2	2.9%	202,024.13	-26.9%	161,364	129,342	24.8%
KOREAN WON	182	26.75	582.1%	69.13	164.0%	67	38	77.0%
MEXICAN PESO	47,926	41,286.65	16.1%	105,498.39	-54.6%	63,331	49,153	28.8%
MICRO AUD/USD	12,544	12,978.05	-3.3%	14,076.48	-10.9%	14,145	12,719	11.2%
MICRO CAD/USD	2,082	2,363.45	-11.9%	3,214.09	-35.2%	2,969	2,590	14.7%

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FX Futures								
MICRO CHF/USD	521	521.85	-0.1%	703.39	-25.9%	746	527	41.6%
MICRO EUR/USD	28,429	33,207.15	-14.4%	35,106.17	-19.0%	33,946	33,549	1.2%
MICRO GBP/USD	2,834	3,762.95	-24.7%	3,411.04	-16.9%	3,508	3,955	-11.3%
MICRO INR/USD	23	37.2	-39.2%	25.74	-12.1%	29	40	-29.2%
MICRO JPY/USD	0	0	-	0	-	0	1,240	-100.0%
MICRO USD/CNH	0	0	-	0	-	0	0	-100.0%
NEW ZEALND DOLLAR	28,204	26,479.2	6.5%	36,179.78	-22.0%	30,116	27,745	8.5%
NKR/USD CROSS RATE	190	122.85	54.4%	392.83	-51.7%	227	170	33.6%
POLISH ZLOTY (EC)	0	3.3	-95.2%	8.43	-98.1%	3	8	-60.2%
POLISH ZLOTY (US)	55	30.4	81.1%	87.57	-37.1%	56	79	-28.9%
RMB USD	0	0.05	-100.0%	0	-	0	0	1.1%
RUSSIAN RUBLE	0	51.15	-100.0%	0	-	0	7,136	-100.0%
S.AFRICAN RAND	1,895	3,680.8	-48.5%	5,162	-63.3%	3,337	4,392	-24.0%
SF/JY CROSS RATES	29	41.85	-29.8%	96	-69.4%	43	27	60.3%
SHEKEL	3	0.25	973.7%	7.48	-64.1%	4	1	601.7%
SKR/USD CROSS RATES	157	253.15	-38.1%	333.52	-53.0%	240	381	-37.0%
SWISS FRANC	20,744	19,077	8.7%	26,790.48	-22.6%	21,536	22,822	-5.6%
TURKISH LIRA	0	0	-	5.7	-100.0%	2	2	3.6%
USDZAR	0	0	-	2.48	-100.0%	1	0	263.7%

FX Options

AUD/USD MONDAY OPTION WEE	3	4.25	-33.1%	13.17	-78.4%	5	18	-68.9%
AUD/USD MONDAY OPTION WEE	7	4.15	67.4%	58.74	-88.2%	25	28	-10.7%
AUD/USD MONDAY OPTION WEE	7	30.35	-76.2%	37.48	-80.8%	12	18	-31.9%
AUD/USD MONDAY OPTION WEE	7	41	-82.0%	6.43	14.5%	13	20	-32.1%
AUD/USD MONDAY OPTION WEE	0	0	-	0	-	4	10	-59.1%
AUD/USD MONTHLY OPTIONS	3,687	4,887.85	-24.6%	3,690.7	-0.1%	2,801	5,026	-44.3%
AUD/USD THURSDAY WKLY OPT	1	0	-	1.17	-46.2%	1	0	-
AUD/USD THURSDAY WKLY OPT	0	0	-	0.3	21.1%	1	0	-
AUD/USD THURSDAY WKLY OPT	3	0	-	19.26	-86.3%	14	0	-
AUD/USD THURSDAY WKLY OPT	4	0	-	6.61	-43.5%	5	0	-
AUD/USD THURSDAY WKLY OPT	0	0	-	0.48	-100.0%	0	0	-
AUD/USD TUESDAY WKLY OPT	3	0	-	3.13	-15.9%	2	0	-
AUD/USD TUESDAY WKLY OPT	4	0	-	15.43	-74.1%	13	0	-
AUD/USD TUESDAY WKLY OPT	4	0	-	3.65	2.3%	4	0	-
AUD/USD TUESDAY WKLY OPT	7	0	-	4.13	68.2%	4	0	-
AUD/USD TUESDAY WKLY OPT	0	0	-	0	-	1	0	-
AUD/USD WKLY FRIDAY OPTION	0	1	-100.0%	0	-	0	22	-100.0%
AUD/USD WKLY FRIDAY OPTION	60	54.9	10.2%	119.09	-49.2%	99	99	0.0%
AUD/USD WKLY FRIDAY OPTION	71	81.45	-12.3%	87	-17.9%	95	131	-27.6%
AUD/USD WKLY FRIDAY OPTION	165	63.85	157.8%	91.7	79.5%	106	93	14.4%
AUD/USD WKLY FRIDAY OPTION	0	73.15	-100.0%	41.26	-100.0%	16	25	-37.2%
AUD/USD WKLY WED OPTIONS -	16	13.4	17.0%	5.3	195.7%	10	42	-76.3%
AUD/USD WKLY WED OPTIONS -	24	28.55	-16.7%	8.52	179.2%	12	32	-62.0%
AUD/USD WKLY WED OPTIONS -	13	7.45	78.0%	4.13	221.1%	14	36	-62.1%
AUD/USD WKLY WED OPTIONS -	21	30.75	-31.7%	8.65	142.7%	19	23	-18.0%
AUD/USD WKLY WED OPTIONS -	0	0	-	13.48	-100.0%	4	3	48.7%
BRL/USD MONTHLY OPTIONS	11	9.2	14.4%	0	-	3	22	-88.3%

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FX Options								
CAD/USD MONDAY OPTIONS WE	56	13.05	332.7%	77.7	-27.3%	45	11	326.5%
CAD/USD MONDAY OPTIONS WE	41	66.95	-38.4%	108.17	-61.9%	75	71	4.9%
CAD/USD MONDAY OPTIONS WE	6	144.25	-96.0%	151.87	-96.2%	45	42	5.6%
CAD/USD MONDAY OPTIONS WE	58	73.85	-21.2%	46.26	25.7%	47	54	-12.4%
CAD/USD MONDAY OPTIONS WE	0	0	-	0	-	3	15	-80.1%
CAD/USD MONTHLY OPTIONS	1,440	5,567.3	-74.1%	5,119.04	-71.9%	3,377	4,627	-27.0%
CAD/USD THURSDAY WKLY OPT	0	0	-	8.22	-100.0%	7	0	-
CAD/USD THURSDAY WKLY OPT	0	0	-	20.22	-99.0%	8	0	-
CAD/USD THURSDAY WKLY OPT	49	0	-	18.13	171.4%	17	0	-
CAD/USD THURSDAY WKLY OPT	1	0	-	37.39	-97.0%	17	0	-
CAD/USD THURSDAY WKLY OPT	0	0	-	68.96	-100.0%	20	0	-
CAD/USD TUESDAY WKLY OPT	33	0	-	22.7	44.7%	15	0	-
CAD/USD TUESDAY WKLY OPT	6	0	-	119.09	-95.1%	38	0	-
CAD/USD TUESDAY WKLY OPT	24	0	-	21.48	11.7%	17	0	-
CAD/USD TUESDAY WKLY OPT	1	0	-	0.48	98.1%	3	0	-
CAD/USD TUESDAY WKLY OPT	0	0	-	0	-	1	0	-
CAD/USD WKLY FRIDAY OPTION	0	8.25	-100.0%	0	-	0	75	-100.0%
CAD/USD WKLY FRIDAY OPTION	87	38.35	127.5%	126.78	-31.2%	148	196	-24.5%
CAD/USD WKLY FRIDAY OPTION	102	304.25	-66.4%	129.96	-21.2%	129	288	-55.2%
CAD/USD WKLY FRIDAY OPTION	174	365.65	-52.5%	225.39	-22.9%	179	285	-37.0%
CAD/USD WKLY FRIDAY OPTION	0	181.45	-100.0%	205.52	-100.0%	63	52	20.0%
CAD/USD WKLY WED OPTIONS -	72	72.4	-0.3%	41.3	74.8%	49	57	-13.7%
CAD/USD WKLY WED OPTIONS -	45	62.9	-28.6%	42.7	5.2%	37	64	-42.0%
CAD/USD WKLY WED OPTIONS -	12	144.35	-91.4%	45.78	-72.8%	56	83	-32.4%
CAD/USD WKLY WED OPTIONS -	52	52.25	-0.2%	120.09	-56.6%	78	93	-15.4%
CAD/USD WKLY WED OPTIONS -	0	0	-	38.65	-100.0%	11	36	-69.4%
CHF/USD MONTHLY OPTIONS	272	253.4	7.3%	346.13	-21.4%	287	295	-2.9%
CHF/USD WKLY FRIDAY OPTION	0	0	-	0	-	0	6	-100.0%
CHF/USD WKLY FRIDAY OPTION	38	4.45	751.6%	22	72.2%	19	9	115.7%
CHF/USD WKLY FRIDAY OPTION	32	1.75	1746.6%	3.96	716.8%	13	5	174.5%
CHF/USD WKLY FRIDAY OPTION	27	1.45	1747.6%	63.13	-57.6%	59	9	555.4%
CHF/USD WKLY FRIDAY OPTION	0	0.7	-100.0%	14.61	-100.0%	4	0	2372.0%
EUR/GBP MONTHLY OPTIONS	0	0	-	0	-	0	24	-100.0%
EURODOLLARS	301	0	-	136.91	120.2%	204	0	-
EURO FX	2	0	-	0	-	0	0	-
EUR/USD MONDAY OPTION WEE	91	107.75	-15.9%	81.48	11.2%	107	111	-3.8%
EUR/USD MONDAY OPTION WEE	46	48.5	-6.0%	92.87	-50.9%	86	178	-51.7%
EUR/USD MONDAY OPTION WEE	38	81.4	-52.8%	146.48	-73.8%	68	53	28.8%
EUR/USD MONDAY OPTION WEE	37	563.3	-93.4%	104.26	-64.4%	90	243	-62.8%
EUR/USD MONDAY OPTION WEE	0	0	-	0	-	12	35	-66.1%
EUR/USD MONTHLY OPTIONS	10,445	14,717.3	-29.0%	18,849.09	-44.6%	13,808	12,356	11.7%
EUR/USD THURSDAY WKLY OPT	35	0	-	0.61	5615.4%	13	0	-
EUR/USD THURSDAY WKLY OPT	95	0	-	26.22	262.6%	46	0	-
EUR/USD THURSDAY WKLY OPT	5	0	-	8.74	-42.8%	5	0	-
EUR/USD THURSDAY WKLY OPT	36	0	-	144.17	-75.1%	66	0	-
EUR/USD THURSDAY WKLY OPT	0	0	-	0.52	-100.0%	0	0	-
EUR/USD TUESDAY WKLY OPT	2	0	-	7.35	-79.2%	8	0	-
EUR/USD TUESDAY WKLY OPT	1	0	-	12.74	-93.4%	7	0	-
EUR/USD TUESDAY WKLY OPT	5	0	-	4.09	10.7%	26	0	-

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FX Options								
EUR/USD TUESDAY WKLY OPT	2	0	-	113.39	-98.6%	38	0	-
EUR/USD TUESDAY WKLY OPT	0	0	-	0	-	2	0	-
EUR/USD WKLY FRIDAY OPTION	0	90.75	-100.0%	0	-	0	328	-100.0%
EUR/USD WKLY FRIDAY OPTION	897	241.5	271.6%	1,018.39	-11.9%	984	864	14.0%
EUR/USD WKLY FRIDAY OPTION	405	859.3	-52.8%	987.39	-59.0%	1,071	852	25.7%
EUR/USD WKLY FRIDAY OPTION	534	1,071.6	-50.2%	4,897.65	-89.1%	1,825	1,191	53.2%
EUR/USD WKLY FRIDAY OPTION	0	915	-100.0%	348.87	-100.0%	102	251	-59.4%
EUR/USD WKLY WED OPTIONS -	380	335.2	13.2%	192.35	97.3%	224	346	-35.1%
EUR/USD WKLY WED OPTIONS -	269	207.9	29.2%	319.09	-15.8%	321	266	20.6%
EUR/USD WKLY WED OPTIONS -	224	240.4	-6.8%	200.35	11.8%	255	280	-8.8%
EUR/USD WKLY WED OPTIONS -	306	459.9	-33.4%	161.43	89.6%	232	337	-31.0%
EUR/USD WKLY WED OPTIONS -	0	0	-	289.91	-100.0%	82	78	6.1%
GBP/USD MONDAY OPTION WEE	18	30.6	-40.5%	31.57	-42.3%	39	31	28.8%
GBP/USD MONDAY OPTION WEE	43	39.85	8.4%	19.13	125.9%	56	43	29.7%
GBP/USD MONDAY OPTION WEE	25	52.8	-52.5%	31.61	-20.6%	25	19	32.5%
GBP/USD MONDAY OPTION WEE	32	7.6	318.3%	9.83	223.5%	16	32	-50.8%
GBP/USD MONDAY OPTION WEE	0	0	-	0	-	5	4	12.2%
GBP/USD MONTHLY OPTIONS	2,584	4,731	-45.4%	2,813.04	-8.2%	3,002	3,546	-15.3%
GBP/USD THURSDAY WKLY OPT	21	0	-	5.22	303.5%	12	0	-
GBP/USD THURSDAY WKLY OPT	3	0	-	3.91	-18.0%	6	0	-
GBP/USD THURSDAY WKLY OPT	48	0	-	2.04	2248.9%	17	0	-
GBP/USD THURSDAY WKLY OPT	6	0	-	1.3	368.1%	6	0	-
GBP/USD THURSDAY WKLY OPT	0	0	-	2.65	-100.0%	1	0	-
GBP/USD TUESDAY WKLY OPT	10	0	-	5.22	94.7%	10	0	-
GBP/USD TUESDAY WKLY OPT	50	0	-	4.57	999.9%	19	0	-
GBP/USD TUESDAY WKLY OPT	0	0	-	1.91	-94.5%	7	0	-
GBP/USD TUESDAY WKLY OPT	6	0	-	7.83	-20.0%	10	0	-
GBP/USD TUESDAY WKLY OPT	0	0	-	0	-	3	0	-
GBP/USD WKLY FRIDAY OPTION	0	1.2	-100.0%	0	-	0	42	-100.0%
GBP/USD WKLY FRIDAY OPTION	284	118.3	140.0%	126.7	124.1%	191	118	62.3%
GBP/USD WKLY FRIDAY OPTION	463	159.95	189.7%	105.43	339.5%	214	204	5.0%
GBP/USD WKLY FRIDAY OPTION	95	136.15	-30.2%	71	33.9%	87	171	-49.1%
GBP/USD WKLY FRIDAY OPTION	0	184.6	-100.0%	99.43	-100.0%	36	63	-42.7%
GBP/USD WKLY WED OPTIONS -	98	88	11.5%	40.17	144.2%	43	85	-49.6%
GBP/USD WKLY WED OPTIONS -	17	15.7	8.3%	24.7	-31.2%	67	28	140.1%
GBP/USD WKLY WED OPTIONS -	17	40.4	-57.4%	96.83	-82.2%	51	68	-25.1%
GBP/USD WKLY WED OPTIONS -	9	49.65	-81.4%	46.26	-80.1%	26	72	-64.6%
GBP/USD WKLY WED OPTIONS -	0	0	-	4.04	-100.0%	1	4	-71.5%
JPY/USD MONDAY OPTION WEE	18	36.6	-52.0%	24	-26.8%	41	25	64.8%
JPY/USD MONDAY OPTION WEE	39	54.75	-28.8%	190.96	-79.6%	109	52	111.0%
JPY/USD MONDAY OPTION WEE	3	20.95	-86.4%	70.09	-95.9%	21	7	217.8%
JPY/USD MONDAY OPTION WEE	47	68	-31.6%	4.22	1003.2%	29	44	-32.5%
JPY/USD MONDAY OPTION WEE	0	0	-	0	-	13	1	1978.1%
JPY/USD MONTHLY OPTIONS	3,343	10,914.8	-69.4%	4,619.13	-27.6%	4,537	7,519	-39.7%
JPY/USD THURSDAY WKLY OPT	0	0	-	2.3	-93.1%	1	0	-
JPY/USD THURSDAY WKLY OPT	0	0	-	0.91	-65.4%	1	0	-
JPY/USD THURSDAY WKLY OPT	1	0	-	0.52	71.5%	2	0	-
JPY/USD THURSDAY WKLY OPT	1	0	-	0	-	0	0	-
JPY/USD THURSDAY WKLY OPT	0	0	-	6.83	-100.0%	2	0	-

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	ADV APR 2023	ADV APR 2022	% CHG	ADV MAR 2023	% CHG	ADV Y.T.D 2023	ADV Y.T.D 2022	% CHG
FX Options								
JPY/USD TUESDAY WKLY OPT W	1	0	-	1.13	-6.9%	1	0	-
JPY/USD TUESDAY WKLY OPT W	1	0	-	22.43	-95.5%	17	0	-
JPY/USD TUESDAY WKLY OPT W	0	0	-	0.17	-39.5%	1	0	-
JPY/USD TUESDAY WKLY OPT W	5	0	-	0.43	1146.8%	11	0	-
JPY/USD TUESDAY WKLY OPT W	0	0	-	0	-	0	0	-
JPY/USD WKLY FRIDAY OPTION	0	7.95	-100.0%	0	-	0	138	-100.0%
JPY/USD WKLY FRIDAY OPTION	253	124.5	103.3%	414.74	-39.0%	358	432	-17.1%
JPY/USD WKLY FRIDAY OPTION	378	532.45	-29.0%	376.7	0.3%	460	521	-11.8%
JPY/USD WKLY FRIDAY OPTION	480	374.05	28.3%	273.43	75.5%	330	499	-33.9%
JPY/USD WKLY FRIDAY OPTION	0	770.7	-100.0%	201.78	-100.0%	57	196	-70.8%
JPY/USD WKLY WED OPTIONS -	170	205.45	-17.0%	84.83	101.0%	149	162	-8.3%
JPY/USD WKLY WED OPTIONS -	118	120.3	-2.1%	149.96	-21.5%	138	141	-2.1%
JPY/USD WKLY WED OPTIONS -	132	84.8	55.6%	197.13	-33.1%	191	108	76.3%
JPY/USD WKLY WED OPTIONS -	103	177.8	-42.1%	85.87	19.8%	140	132	6.5%
JPY/USD WKLY WED OPTIONS -	0	0	-	56.43	-100.0%	16	35	-54.0%
MXN/USD MONTHLY OPTIONS	18	174.8	-89.6%	17.87	1.3%	14	77	-81.7%
MXN/USD WKLY FRIDAY OPTION	0	0.85	-100.0%	0	-	0	0	-100.0%
MXN/USD WKLY FRIDAY OPTION	0	0	-	0	-	0	0	-
NZD/USD MONTHLY OPTIONS	27	21.05	29.8%	4.91	456.0%	915	6	15490.9%
NZD/USD WKLY FRIDAY OPTION	0	0	-	0	-	0	0	-
PY/USD THURSDAY WKLY OPT	0	0	-	1.09	-100.0%	1	0	-
PY/USD TUESDAY WKLY OPT W	10	0	-	28.35	-63.4%	11	0	-
ZAR/USD MONTHLY OPTIONS	0	0	-	0	-	9	0	-

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	ADV APR 2023	ADV APR 2022	% CHG	ADV MAR 2023	% CHG	ADV Y.T.D 2023	ADV Y.T.D 2022	% CHG
Ag Products Futures								
BLOCK CHEESE	11	9.75	10.7%	21.35	-49.5%	15	21	-30.1%
BUTTER CS	146	178.9	-18.6%	162.83	-10.5%	166	236	-29.7%
CASH-SETTLED CHEESE	684	379.85	80.0%	600.09	14.0%	605	492	22.9%
CATTLE	55,759	50,708.65	10.0%	72,208.04	-22.8%	64,034	62,040	3.2%
CDD SEASONAL STRIP	66	77.5	-15.1%	106.52	-38.2%	46	32	44.1%
CDD WEATHER	26	137.5	-80.9%	0	-	6	58	-89.3%
CLASS IV MILK	21	86.85	-76.0%	24.04	-13.3%	32	128	-75.1%
DRY WHEY	81	51.4	57.7%	58.78	37.9%	58	52	12.3%
FEEDER CATTLE	19,342	14,109.25	37.1%	19,099.57	1.3%	17,163	13,326	28.8%
GOLDMAN SACHS	96	168.45	-43.1%	131.83	-27.3%	122	188	-35.1%
GSCI EXCESS RETURN FUT	87	224.4	-61.4%	3,332.52	-97.4%	1,003	1,935	-48.1%
HDD EURO SEASONAL STRIP	0	0	-	0	-	0	0	-
HDD SEASONAL STRIP	0	0	-	0	-	0	0	-
HDD WEATHER	0	0	-	0	-	25	98	-74.7%
HDD WEATHER EUROPEAN	0	0	-	0	-	93	47	95.9%
HOGS	41,442	36,786.85	12.7%	58,447.48	-29.1%	49,419	46,849	5.5%
HOUSING INDEX	1	0.15	285.9%	0.78	-26.0%	1	1	43.9%
LUMBER	716	350.35	104.5%	601.26	19.1%	646	406	59.1%
MALAYSIAN PALM SWAP	0	0	-	0	-	0	0	-
MILK	1,345	1,390	-3.2%	1,326.39	1.4%	1,301	1,541	-15.6%
MLK MID OPTIONS	0	0	-	0	-	0	0	-
NFD MILK	205	311.75	-34.2%	272.39	-24.7%	277	348	-20.5%
OTC SP GSCI ER SWAP	946	0	-	258	266.8%	896	0	-
PACIFIC RIM DAT SS WTHR	0	0	-	0	-	0	0	-
PORK CUTOUT	95	85.8	11.1%	56.3	69.3%	66	122	-46.0%
S&P GSCI ENHANCED ER SWAP	0	0	-	0	-	0	0	-
USD CRUDE PALM OIL	1,484	1,162	27.7%	1,567.39	-5.3%	1,496	1,117	33.9%

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	ADV APR 2023	ADV APR 2022	% CHG	ADV MAR 2023	% CHG	ADV Y.T.D 2023	ADV Y.T.D 2022	% CHG
Ag Products Options								
BLOCK CHEESE	10	12.65	-17.2%	13.83	-24.2%	9	11	-17.1%
BUTTER CS	105	71	47.4%	104.78	-0.1%	91	73	25.7%
CASH-SETTLED CHEESE	287	167.05	71.5%	306.74	-6.6%	278	414	-32.8%
CATTLE	14,027	12,781.3	9.7%	15,877.83	-11.7%	13,205	10,626	24.3%
CDD SEASONAL STRIP	1,026	212.5	383.0%	130.43	686.8%	500	119	320.5%
CDD WEATHER	263	0	-	260.87	0.9%	728	0	-
CLASS IV MILK	217	292.15	-25.7%	315.04	-31.1%	310	323	-3.9%
DRY WHEY	1	1.1	-52.1%	1.52	-65.4%	1	31	-97.1%
FEEDER CATTLE	2,596	2,014.7	28.9%	3,685.3	-29.6%	2,866	1,748	64.0%
HDD EURO SEASONAL STRIP	0	0	-	0	-	0	0	-
HDD SEASONAL STRIP	0	0	-	0	-	0	0	-
HDD WEATHER	0	0	-	0	-	367	59	526.4%
HDD WEATHER EUROPEAN	0	0	-	0	-	247	12	1924.7%
HOGS	10,790	8,617.1	25.2%	15,075.7	-28.4%	13,049	11,745	11.1%
LUMBER	7	24.55	-72.8%	8.3	-19.5%	11	27	-59.8%
LV CATL CSO	0	0	-	0	-	0	0	-
MILK	912	1,011.3	-9.8%	1,324.7	-31.2%	1,101	955	15.3%
MLK MID OPTIONS	0	0.3	-82.5%	0.09	-39.5%	0	1	-71.7%
NFD MILK	181	245.55	-26.1%	220.43	-17.7%	231	253	-8.6%
PORK CUTOOT	0	0.25	5.3%	0	-	0	0	-79.8%
TOTAL FUTURES GROUP								
Interest Rate Futures	2,632,102	3,161,103.5	-16.7%	5,597,583.87	-53.0%	3,934,207	3,744,784	5.1%
Equity Index Futures	4,316,991	5,180,460.5	-16.7%	6,258,226.78	-31.0%	5,308,143	6,000,548	-11.5%
FX Futures	727,865	758,860.95	-4.1%	1,161,941.26	-37.4%	880,462	837,029	5.2%
Ag Products Futures	122,552	106,219.4	15.4%	158,275.57	-22.6%	137,469	129,037	6.5%
TOTAL FUTURES	7,799,511	9,206,644.35	-15.3%	13,176,027.48	-40.8%	10,260,280.54	10,711,397.79	-4.2%
TOTAL OPTIONS GROUP								
Interest Rate Options	1,535,882	887,651.65	73.0%	3,038,870	-49.5%	2,323,812	1,371,844	69.4%
Equity Index Options	1,076,745	1,109,586	-3.0%	1,469,626.17	-26.7%	1,278,204	1,177,606	8.5%
FX Options	29,881	51,973.7	-42.5%	50,020.48	-40.3%	39,354	44,435	-11.4%
Ag Products Options	30,422	25,451.5	19.5%	37,325.57	-18.5%	32,994	26,395	25.0%
TOTAL OPTIONS	2,672,930	2,074,662.85	28.8%	4,595,842.22	-41.8%	3,674,364.35	2,620,280.18	40.2%
TOTAL COMBINED								
Interest Rate	4,167,984	4,048,755.15	2.9%	8,636,453.87	-51.7%	6,258,019	5,116,628	22.3%
Equity Index	5,393,736	6,290,046.5	-14.2%	7,727,852.96	-30.2%	6,586,347	7,178,154	-8.2%
FX	757,746	810,834.65	-6.5%	1,211,961.74	-37.5%	919,816	881,464	4.4%
Ag Products	152,975	131,670.9	16.2%	195,601.13	-21.8%	170,463	155,432	9.7%
GRAND TOTAL	10,472,441	11,281,307.2	-7.2%	17,771,869.7	-41.1%	13,934,644.89	13,331,677.97	4.5%