

CME Exchange ADV Report - Monthly

November 2023

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	ADV NOV 2023	ADV NOV 2022	% CHG	ADV OCT 2023	% CHG	ADV Y.T.D 2023	ADV Y.T.D 2022	% CHG
Interest Rate Futures								
13-Week U.S. T-Bill Futures	763	0	-	848.18	-10.1%	151	0	-
1-MONTH EURODOLLAR	0	191.05	-100.0%	0	-	4	338	-98.7%
BSBY 3-MONTH FUTURES	9	938.57	-99.0%	15.14	-38.7%	141	2,434	-94.2%
ESTR Basis Spread Futures	60	78.05	-23.6%	52.68	13.2%	65	7	794.0%
ESTR Futures	13,138	268.29	4797.0%	11,816.36	11.2%	5,794	25	23509.0%
EURODOLLARS	0	722,199.14	-100.0%	0	-	123,130	1,669,247	-92.6%
FTIIE	0	1.19	-100.0%	0	-	8	5	70.4%
SOFR	3,964,620	2,330,986.52	70.1%	3,186,234.23	24.4%	3,384,785	1,744,200	94.1%
SONIA	1	0	-	4.91	-75.7%	7	6	18.5%
Interest Rate Options								
EURODOLLARS	0	462,431.95	-100.0%	0	-	41,597	588,701	-92.9%
EURO MIDCURVE	0	35,679.24	-100.0%	0	-	2,599	284,375	-99.1%
SOFR	1,381,205	763,166.19	81.0%	1,096,858	25.9%	1,386,262	317,744	336.3%
SOFR MIDCURVE	466,577	199,901.14	133.4%	336,431.73	38.7%	332,277	85,797	287.3%
SOFR MISCURVE	0	0	-	0	-	3	0	-

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Equity Index Futures								
AIR	6,167	2,168.43	184.4%	3,741.14	64.9%	4,338	2,777	56.2%
BITCOIN	13,364	13,968.86	-4.3%	13,024.5	2.6%	11,127	11,035	0.8%
E-mini FTSE China 50	0	11	-100.0%	0	-	0	32	-99.4%
E-MINI MIDCAP	14,516	12,609.38	15.1%	12,764	13.7%	13,435	15,794	-14.9%
E-MINI NASDAQ 100	601,685	629,803.1	-4.5%	767,897	-21.6%	670,619	708,470	-5.3%
E-MINI RUSSELL 1000	383	65	489.7%	216.32	77.2%	420	581	-27.6%
E-MINI RUSSELL 1000 GROWTH	226	267.67	-15.7%	129.68	73.9%	261	406	-35.8%
E-MINI RUSSELL 1000 VALUE	552	268.76	105.6%	422.86	30.7%	808	1,038	-22.2%
E-MINI RUSSELL 2000	222,310	193,093.43	15.1%	236,166.55	-5.9%	222,645	241,460	-7.8%
E-MINI S&P500	1,509,391	1,730,629.29	-12.8%	1,999,484.64	-24.5%	1,800,797	2,007,440	-10.3%
E-MINI S&P500 ESG	767	762.43	0.6%	768.14	-0.1%	1,151	1,461	-21.2%
ETHER	0	0	-	0	-	0	0	-100.0%
ETHER FUTURES	6,611	8,031.62	-17.7%	5,492.59	20.4%	5,024	6,495	-22.7%
FT-SE 100	0	0.19	-100.0%	4.09	-100.0%	4	7	-45.0%
IBOVESPA INDEX	0	2.1	-95.5%	1.32	-92.8%	1	3	-47.4%
MICRO BITCOIN	12,511	16,365.38	-23.5%	11,527.59	8.5%	9,966	15,501	-35.7%
MICRO E-MINI NASDAQ 100	1,000,769	1,241,292.24	-19.4%	1,420,645.14	-29.6%	1,103,865	1,486,632	-25.7%
MICRO E-MINI RUSSELL 2000	72,602	106,681.52	-31.9%	78,371.5	-7.4%	76,337	135,195	-43.5%
MICRO E-MINI S&P500	777,119	1,294,559.57	-40.0%	1,159,096.68	-33.0%	1,017,685	1,382,169	-26.4%
MICRO ETHER	10,433	22,588.38	-53.8%	10,405.5	0.3%	8,709	20,545	-57.6%
NASDAQ-100 VOLATILITY	0	1.71	-100.0%	0	-	14	81	-82.7%
NASDAQ BIOTECH SECTOR	0	3	-93.7%	0.23	-16.2%	6	10	-33.2%
Nearby BTIC+	0	2.38	-100.0%	0	-	0	33	-100.0%
NIKKEI 225 (\$) STOCK	5,701	4,613.67	23.6%	8,423.36	-32.3%	6,723	5,525	21.7%
NIKKEI 225 (YEN) STOCK	29,480	28,049.9	5.1%	38,658.41	-23.7%	30,943	37,080	-16.5%
PHLX SEMICONDUCTOR SECTO	131	10.9	1100.4%	29.41	345.1%	48	8	473.2%
S&P 500	632	226.86	178.5%	238.68	164.7%	656	744	-11.9%
S&P 500 ANNUAL DIVIDEND IND	3,933	3,714.24	5.9%	2,947.05	33.4%	3,702	3,976	-6.9%
S&P 500 QUARLY DIVIDEND IND	882	313.33	181.6%	318.5	177.1%	697	217	221.9%
S&P 600 SMALLCAP EMINI	7	0	-	16.73	-61.0%	11	0	-
S&P BIOTECHNOLOGY SECTOR	40	48.71	-17.7%	32.64	22.9%	48	40	20.0%
S&P COMMUNICATION SERVICE	87	120.76	-28.2%	228.64	-62.1%	285	193	47.6%
S&P CONSUMER DISCRETIONAR	349	224	55.9%	409.5	-14.7%	518	617	-15.9%
S&P CONSUMER STAPLES SECT	670	582.05	15.2%	1,252.64	-46.5%	1,577	1,306	20.7%
S&P ENERGY SECTOR	2,105	1,398.81	50.5%	1,189.95	76.9%	2,220	3,132	-29.1%
S&P FINANCIAL SECTOR	680	692.48	-1.7%	715.23	-4.9%	2,086	1,680	24.1%
S&P HEALTH CARE SECTOR	478	392.71	21.8%	467.09	2.4%	1,039	1,217	-14.6%
S&P INDUSTRIAL SECTOR	595	1,564	-62.0%	673.23	-11.7%	995	1,416	-29.7%
S&P MATERIALS SECTOR	434	659.57	-34.1%	867.36	-49.9%	783	732	7.1%
S&P OIL & GAS EXPLORATION A	22	17.43	27.3%	8.32	166.8%	16	20	-23.2%
S&P REAL ESTATE SECTOR	277	87.86	215.8%	165.41	67.7%	495	305	62.4%
S&P REGIONAL BANKS SECTOR	120	15.43	676.9%	30.86	288.3%	79	11	622.8%
S&P RETAIL SECTOR	31	13.76	127.0%	12.68	146.3%	27	14	101.1%
S&P TECHNOLOGY SECTOR	600	504.57	18.8%	581.73	3.1%	880	1,221	-27.9%
S&P UTILITIES SECTOR	2,047	1,034.86	97.8%	2,414.18	-15.2%	2,434	1,673	45.5%
TOPIX (USD)	3	1.43	100.0%	2.73	4.8%	4	0	2854.1%
TOPIX (YEN)	24	7	236.1%	30.05	-21.7%	15	87	-83.0%
WATER INDEX FUTURES	1	0.14	499.8%	0.95	-10.2%	1	3	-71.9%

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Equity Index Options								
BITCOIN OPTIONS	285	289.9	-1.6%	473.68	-39.8%	329	151	117.8%
E-MINI NASDAQ 100	66,802	44,496.38	50.1%	77,611.18	-13.9%	66,874	47,922	39.5%
E-MINI RUSSELL 2000	15,070	4,508.86	234.2%	7,250.86	107.8%	7,481	6,317	18.4%
E-MINI S&P500	1,441,703	1,182,119.29	22.0%	1,823,510.41	-20.9%	1,326,886	1,148,002	15.6%
ETHER OPTIONS	193	24.1	701.4%	278.23	-30.6%	123	5	2526.1%
EVENT CONTRACT S&P 500	220	0	-	530.64	-58.5%	306	0	-
MICRO BITCOIN	998	163.33	510.8%	783.09	27.4%	623	337	85.1%
MICRO E-MINI NASDAQ 100	2,643	2,264.76	16.7%	3,211.05	-17.7%	2,737	2,580	6.1%
Micro E-mini S&P 500	17,675	12,247.48	44.3%	18,160.55	-2.7%	12,585	11,272	11.7%
MICRO ETHER	4,495	1,439.67	212.2%	1,973.45	127.8%	1,303	1,511	-13.8%
FX Futures								
AD/CD CROSS RATES	0	10.33	-100.0%	0	-	1	4	-79.8%
AD/JY CROSS RATES	79	124.05	-36.4%	79.41	-0.6%	81	218	-62.9%
AD/NE CROSS RATES	419	85.29	391.3%	306	36.9%	235	274	-14.0%
AUSTRALIAN DOLLAR	114,784	101,890.1	12.7%	108,247.64	6.0%	101,186	101,979	-0.8%
BP/JY CROSS RATES	88	129.71	-32.3%	114	-23.0%	158	245	-35.3%
BP/SF CROSS RATES	166	58.62	183.8%	210.14	-20.8%	177	139	27.2%
BRAZIL REAL	19,099	17,908	6.7%	17,955.18	6.4%	14,803	15,616	-5.2%
BRITISH POUND	108,384	113,738.9	-4.7%	98,877.09	9.6%	106,687	125,324	-14.9%
CANADIAN DOLLAR	77,258	85,305	-9.4%	88,295.59	-12.5%	83,834	90,731	-7.6%
CD/JY CROSS RATES	1	1.38	-3.5%	2.05	-34.8%	3	3	-8.3%
CHILEAN PESO	0	0	-	0	-	0	0	87.6%
CHINESE RENMINBI (CNH)	4,055	2,139.57	89.5%	2,337.14	73.5%	1,735	1,495	16.0%
CZECK KORUNA (EC)	0	0	-	0	-	0	0	-85.4%
CZECK KORUNA (US)	5	7.9	-34.3%	1.59	226.3%	2	3	-41.9%
EC/AD CROSS RATES	62	181.1	-65.7%	133.59	-53.5%	269	272	-1.2%
EC/CD CROSS RATES	158	206.67	-23.7%	89.09	77.1%	284	388	-26.9%
EC/NOK CROSS RATES	54	47.86	13.5%	82.36	-34.0%	109	107	2.0%
EC/SEK CROSS RATES	119	72.24	64.5%	308.64	-61.5%	250	153	63.8%
EFX/BP CROSS RATES	2,713	3,190.76	-15.0%	4,032.82	-32.7%	3,415	4,567	-25.2%
EFX/JY CROSS RATES	1,799	1,245.76	44.4%	2,141.68	-16.0%	2,509	2,656	-5.5%
EFX/SF CROSS RATES	964	675.62	42.7%	1,090.45	-11.6%	1,203	1,910	-37.0%
E-MICRO USD/CAD	1	3.62	-72.4%	0.73	37.5%	5	8	-42.2%
E-MICRO USD/CHF	2	1.29	74.1%	3.18	-29.7%	6	3	87.5%
E-MICRO USD/JPY	51	57.14	-10.4%	34.36	49.0%	155	662	-76.6%
E-MINI EURO FX	4,822	8,894	-45.8%	4,559.95	5.8%	5,628	7,427	-24.2%
E-MINI JAPANESE YEN	639	474.29	34.7%	519.41	23.0%	585	572	2.2%
EURO FX	209,900	223,204.05	-6.0%	211,982.05	-1.0%	228,202	240,859	-5.3%
HUNGARIAN FORINT (EC)	0	0	-	0.18	-100.0%	0	0	24.3%
HUNGARIAN FORINT (US)	17	0.29	5800.3%	0	-	2	0	816.6%
INDIAN RUPEE	994	1,586.95	-37.4%	604.27	64.5%	1,201	1,319	-9.0%
JAPANESE YEN	187,148	144,688.29	29.3%	167,122.05	12.0%	173,836	156,637	11.0%
KOREAN WON	131	16	719.3%	14.73	790.2%	50	24	109.7%
MEXICAN PESO	61,587	58,177.1	5.9%	80,798.55	-23.8%	64,622	58,845	9.8%
MICRO AUD/USD	15,055	12,950.14	16.3%	14,527.82	3.6%	13,369	12,679	5.4%
MICRO CAD/USD	2,672	3,828.57	-30.2%	2,347.41	13.8%	2,495	3,018	-17.3%

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FX Futures								
MICRO CHF/USD	582	754.24	-22.8%	677.05	-14.0%	731	826	-11.5%
MICRO EUR/USD	27,689	41,603.14	-33.4%	25,879.41	7.0%	29,149	38,246	-23.8%
MICRO GBP/USD	3,479	6,016.14	-42.2%	3,181.18	9.4%	3,306	5,997	-44.9%
MICRO INR/USD	10	36.38	-71.5%	12.27	-15.4%	19	34	-44.8%
MICRO JPY/USD	0	0	-	0	-	0	442	-100.0%
MICRO USD/CNH	0	0	-	0	-	0	0	-100.0%
NEW ZEALND DOLLAR	33,241	29,412.67	13.0%	32,534.27	2.2%	31,958	31,376	1.9%
NKR/USD CROSS RATE	127	131.62	-3.7%	93.59	35.5%	210	170	23.7%
POLISH ZLOTY (EC)	0	0.29	-50.0%	0.55	-73.8%	3	5	-40.0%
POLISH ZLOTY (US)	87	113.76	-23.9%	55.59	55.7%	66	78	-14.9%
RMB USD	0	0	-	0	-	0	0	-82.8%
RUSSIAN RUBLE	0	0	-	0	-	0	2,554	-100.0%
S.AFRICAN RAND	4,053	3,351.95	20.9%	3,936.05	3.0%	4,218	4,475	-5.7%
SF/JY CROSS RATES	46	72.76	-36.9%	31.82	44.3%	50	53	-6.5%
SHEKEL	12	0.29	4050.2%	6.36	86.3%	7	1	895.1%
SKR/USD CROSS RATES	262	339.57	-22.9%	193.09	35.6%	267	364	-26.6%
SWISS FRANC	20,616	21,545.24	-4.3%	22,655.41	-9.0%	21,827	25,798	-15.4%
TURKISH LIRA	0	2.33	-100.0%	0	-	2	2	-19.8%
USDZAR	1	0	-	3.86	-81.5%	1	0	593.5%

FX Options

AUD/USD MONDAY OPTION WEE	7	4.24	76.4%	4.36	71.3%	9	8	10.0%
AUD/USD MONDAY OPTION WEE	2	2.05	16.3%	9.82	-75.7%	17	14	19.1%
AUD/USD MONDAY OPTION WEE	2	19.86	-88.2%	2.32	0.7%	9	12	-26.4%
AUD/USD MONDAY OPTION WEE	4	16.48	-76.0%	22.82	-82.7%	14	16	-9.0%
AUD/USD MONDAY OPTION WEE	0	0	-	10.91	-100.0%	3	6	-46.4%
AUD/USD MONTHLY OPTIONS	4,600	3,076.95	49.5%	2,625.68	75.2%	3,220	3,912	-17.7%
AUD/USD THURSDAY WKLY OPT	25	0	-	1.5	1538.1%	7	0	-
AUD/USD THURSDAY WKLY OPT	1	0	-	3.55	-81.2%	4	0	-
AUD/USD THURSDAY WKLY OPT	1	0	-	2.09	-72.7%	6	0	-
AUD/USD THURSDAY WKLY OPT	0	0	-	2.27	-100.0%	7	0	-
AUD/USD THURSDAY WKLY OPT	3	0	-	0	-	2	0	-
AUD/USD TUESDAY WKLY OPT	9	0	-	3.68	149.6%	9	0	-
AUD/USD TUESDAY WKLY OPT	5	0	-	2.18	133.5%	9	0	-
AUD/USD TUESDAY WKLY OPT	6	0	-	3.86	45.4%	6	0	-
AUD/USD TUESDAY WKLY OPT	1	0	-	2.77	-67.4%	6	0	-
AUD/USD TUESDAY WKLY OPT	0	0	-	9.14	-100.0%	2	0	-
AUD/USD WKLY FRIDAY OPTION	68	42.67	59.4%	1.23	5440.6%	26	28	-5.2%
AUD/USD WKLY FRIDAY OPTION	51	97.29	-47.3%	49.82	2.9%	66	78	-14.9%
AUD/USD WKLY FRIDAY OPTION	96	59.14	62.4%	55.5	73.1%	84	99	-15.4%
AUD/USD WKLY FRIDAY OPTION	63	53.71	17.5%	54.45	15.9%	82	85	-3.1%
AUD/USD WKLY FRIDAY OPTION	36	12	204.0%	0	-	21	26	-18.7%
AUD/USD WKLY WED OPTIONS -	3	2.38	46.0%	3	15.9%	19	28	-30.2%
AUD/USD WKLY WED OPTIONS -	16	47.76	-65.6%	15.27	7.6%	14	25	-43.2%
AUD/USD WKLY WED OPTIONS -	163	4.57	3458.4%	9.73	1572.3%	28	24	16.0%
AUD/USD WKLY WED OPTIONS -	26	40.43	-35.1%	5.73	358.1%	14	24	-42.4%
AUD/USD WKLY WED OPTIONS -	17	18.1	-6.3%	0	-	7	4	70.7%
BRL/USD MONTHLY OPTIONS	0	11.1	-100.0%	0	-	2	14	-89.5%

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FX Options								
CAD/USD MONDAY OPTIONS WE	114	86.62	31.6%	2.64	4222.4%	41	19	118.1%
CAD/USD MONDAY OPTIONS WE	74	37.9	96.2%	15.64	375.7%	48	50	-3.5%
CAD/USD MONDAY OPTIONS WE	100	66.81	49.9%	31.27	220.2%	40	50	-19.1%
CAD/USD MONDAY OPTIONS WE	99	9.05	995.3%	86.45	14.6%	53	31	68.0%
CAD/USD MONDAY OPTIONS WE	0	0	-	4.36	-100.0%	2	12	-84.4%
CAD/USD MONTHLY OPTIONS	1,954	5,131.95	-61.9%	2,258.18	-13.5%	2,440	4,435	-45.0%
CAD/USD THURSDAY WKLY OPT	75	0	-	68.77	8.8%	24	0	-
CAD/USD THURSDAY WKLY OPT	28	0	-	8.64	229.7%	16	0	-
CAD/USD THURSDAY WKLY OPT	15	0	-	63.55	-76.5%	20	0	-
CAD/USD THURSDAY WKLY OPT	0	0	-	4.68	-100.0%	22	0	-
CAD/USD THURSDAY WKLY OPT	36	0	-	0	-	13	0	-
CAD/USD TUESDAY WKLY OPT	11	0	-	72.36	-84.5%	21	0	-
CAD/USD TUESDAY WKLY OPT	5	0	-	100.5	-94.6%	34	0	-
CAD/USD TUESDAY WKLY OPT	52	0	-	104.27	-50.4%	29	0	-
CAD/USD TUESDAY WKLY OPT	9	0	-	47.95	-81.8%	18	0	-
CAD/USD TUESDAY WKLY OPT	0	0	-	14.68	-100.0%	5	0	-
CAD/USD WKLY FRIDAY OPTION	192	157.05	22.0%	7.91	2321.6%	69	73	-5.7%
CAD/USD WKLY FRIDAY OPTION	162	125.62	28.7%	151.73	6.6%	111	162	-31.4%
CAD/USD WKLY FRIDAY OPTION	220	191.05	15.3%	171.64	28.3%	136	258	-47.2%
CAD/USD WKLY FRIDAY OPTION	161	147.43	8.9%	107.73	49.1%	153	228	-33.1%
CAD/USD WKLY FRIDAY OPTION	18	0.29	6216.9%	0	-	52	56	-7.7%
CAD/USD WKLY WED OPTIONS -	82	35.52	131.4%	111.55	-26.3%	68	47	43.2%
CAD/USD WKLY WED OPTIONS -	83	37.29	122.7%	36.86	125.3%	54	56	-3.9%
CAD/USD WKLY WED OPTIONS -	82	21.86	273.6%	44.55	83.3%	53	65	-19.5%
CAD/USD WKLY WED OPTIONS -	41	38.57	5.8%	106.68	-61.7%	60	72	-17.0%
CAD/USD WKLY WED OPTIONS -	62	49.43	26.0%	0	-	21	24	-11.6%
CHF/USD MONTHLY OPTIONS	557	226.48	145.9%	287.32	93.8%	380	270	40.5%
CHF/USD WKLY FRIDAY OPTION	6	7.9	-25.3%	0	-	10	5	92.8%
CHF/USD WKLY FRIDAY OPTION	11	1.71	513.9%	5.27	99.6%	26	4	527.4%
CHF/USD WKLY FRIDAY OPTION	116	11.86	880.7%	36.09	222.2%	44	6	683.6%
CHF/USD WKLY FRIDAY OPTION	112	7.71	1354.9%	11.91	842.5%	80	6	1213.8%
CHF/USD WKLY FRIDAY OPTION	29	3.95	622.9%	0	-	18	1	1966.9%
EUR/GBP MONTHLY OPTIONS	0	0	-	0	-	0	16	-100.0%
EUR/USD MONDAY OPTION WEE	48	49.19	-2.5%	21.73	120.7%	72	88	-18.7%
EUR/USD MONDAY OPTION WEE	53	143.67	-63.3%	143.32	-63.2%	85	131	-34.6%
EUR/USD MONDAY OPTION WEE	139	93.43	48.6%	137.91	0.7%	81	54	51.0%
EUR/USD MONDAY OPTION WEE	34	30.38	12.2%	116.55	-70.7%	80	135	-40.5%
EUR/USD MONDAY OPTION WEE	0	0	-	53.5	-100.0%	14	22	-35.5%
EUR/USD MONTHLY OPTIONS	11,412	19,220.71	-40.6%	12,408.5	-8.0%	13,125	13,755	-4.6%
EUR/USD THURSDAY WKLY OPT	197	0	-	36.64	438.8%	52	0	-
EUR/USD THURSDAY WKLY OPT	6	0	-	39.41	-84.3%	32	0	-
EUR/USD THURSDAY WKLY OPT	148	0	-	8.95	1556.5%	38	0	-
EUR/USD THURSDAY WKLY OPT	0	0	-	61.55	-100.0%	41	0	-
EUR/USD THURSDAY WKLY OPT	26	0	-	0	-	4	0	-
EUR/USD TUESDAY WKLY OPT	101	0	-	4.55	2119.9%	27	0	-
EUR/USD TUESDAY WKLY OPT	33	0	-	30.59	8.2%	30	0	-
EUR/USD TUESDAY WKLY OPT	52	0	-	17.59	197.8%	33	0	-
EUR/USD TUESDAY WKLY OPT	44	0	-	66.5	-34.4%	29	0	-
EUR/USD TUESDAY WKLY OPT	0	0	-	64.55	-100.0%	13	0	-

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FX Options								
EUR/USD WKLY FRIDAY OPTION	461	641.24	-28.1%	5.41	8422.0%	170	294	-42.3%
EUR/USD WKLY FRIDAY OPTION	390	418.76	-6.8%	1,221.45	-68.0%	825	652	26.5%
EUR/USD WKLY FRIDAY OPTION	2,494	912.33	173.3%	1,331.41	87.3%	1,332	801	66.3%
EUR/USD WKLY FRIDAY OPTION	829	591.38	40.2%	1,272.77	-34.9%	1,257	864	45.4%
EUR/USD WKLY FRIDAY OPTION	20	0.43	4678.6%	0	-	154	257	-40.1%
EUR/USD WKLY WED OPTIONS -	237	154.95	52.9%	469.23	-49.5%	252	310	-18.6%
EUR/USD WKLY WED OPTIONS -	218	243.38	-10.6%	368.73	-41.0%	296	267	10.8%
EUR/USD WKLY WED OPTIONS -	277	283.95	-2.5%	341.59	-19.0%	244	260	-6.2%
EUR/USD WKLY WED OPTIONS -	317	274.62	15.3%	299.27	5.8%	239	320	-25.3%
EUR/USD WKLY WED OPTIONS -	319	144.62	120.7%	0	-	94	106	-11.9%
EVENT CONTRACT EUR/USD	102	158.67	-35.9%	213.73	-52.4%	254	30	754.5%
GBP/USD MONDAY OPTION WEE	25	32.76	-24.6%	9.32	165.2%	30	26	15.7%
GBP/USD MONDAY OPTION WEE	55	21.48	154.8%	7.5	629.5%	45	49	-8.0%
GBP/USD MONDAY OPTION WEE	20	30.62	-35.5%	72.41	-72.7%	25	17	48.5%
GBP/USD MONDAY OPTION WEE	115	23	399.2%	7.14	1508.8%	41	27	53.0%
GBP/USD MONDAY OPTION WEE	0	0	-	18.27	-100.0%	4	14	-70.1%
GBP/USD MONTHLY OPTIONS	2,496	3,509.67	-28.9%	2,579.77	-3.2%	3,112	4,052	-23.2%
GBP/USD THURSDAY WKLY OPT	5	0	-	12.91	-60.9%	11	0	-
GBP/USD THURSDAY WKLY OPT	1	0	-	9.36	-87.3%	8	0	-
GBP/USD THURSDAY WKLY OPT	25	0	-	3.77	555.1%	13	0	-
GBP/USD THURSDAY WKLY OPT	0	0	-	1.64	-100.0%	6	0	-
GBP/USD THURSDAY WKLY OPT	4	0	-	0	-	2	0	-
GBP/USD TUESDAY WKLY OPT	2	0	-	7.09	-77.8%	7	0	-
GBP/USD TUESDAY WKLY OPT	3	0	-	4.36	-34.5%	13	0	-
GBP/USD TUESDAY WKLY OPT	5	0	-	26.23	-80.8%	11	0	-
GBP/USD TUESDAY WKLY OPT	1	0	-	21.95	-93.9%	10	0	-
GBP/USD TUESDAY WKLY OPT	0	0	-	5.5	-100.0%	2	0	-
GBP/USD WKLY FRIDAY OPTION	58	76.9	-24.1%	3.09	1787.3%	34	47	-26.3%
GBP/USD WKLY FRIDAY OPTION	92	165.29	-44.5%	171.59	-46.6%	139	127	9.1%
GBP/USD WKLY FRIDAY OPTION	62	335.38	-81.5%	126.45	-50.9%	170	175	-3.1%
GBP/USD WKLY FRIDAY OPTION	115	113.24	1.7%	173.77	-33.7%	126	144	-12.4%
GBP/USD WKLY FRIDAY OPTION	29	23.43	23.6%	0	-	33	49	-32.6%
GBP/USD WKLY WED OPTIONS -	19	31.48	-38.1%	42.45	-54.1%	38	61	-38.7%
GBP/USD WKLY WED OPTIONS -	5	24.24	-79.0%	22.91	-77.8%	42	23	79.7%
GBP/USD WKLY WED OPTIONS -	34	50.19	-32.3%	20.36	67.0%	53	50	7.7%
GBP/USD WKLY WED OPTIONS -	30	38.24	-21.5%	18.55	61.8%	32	57	-43.8%
GBP/USD WKLY WED OPTIONS -	3	30.95	-88.8%	0	-	7	6	15.3%
JPY/USD MONDAY OPTION WEE	78	4.19	1760.2%	85.18	-8.5%	43	29	47.0%
JPY/USD MONDAY OPTION WEE	83	74.43	11.6%	28.27	193.7%	64	43	50.1%
JPY/USD MONDAY OPTION WEE	95	5.19	1733.9%	40.82	133.2%	32	13	137.8%
JPY/USD MONDAY OPTION WEE	31	13.76	128.7%	5.45	477.1%	35	70	-49.9%
JPY/USD MONDAY OPTION WEE	0	0	-	117.05	-100.0%	28	4	567.2%
JPY/USD MONTHLY OPTIONS	8,919	3,884.38	129.6%	5,863.05	52.1%	5,268	6,800	-22.5%
JPY/USD THURSDAY WKLY OPT	11	0	-	19.14	-44.0%	12	0	-
JPY/USD THURSDAY WKLY OPT	0	0	-	10.82	-99.1%	4	0	-
JPY/USD THURSDAY WKLY OPT	6	0	-	6.59	-15.5%	2	0	-
JPY/USD THURSDAY WKLY OPT	0	0	-	13.86	-100.0%	5	0	-
JPY/USD THURSDAY WKLY OPT	63	0	-	0	-	7	0	-
JPY/USD TUESDAY WKLY OPT W	7	0	-	0.41	1692.5%	7	0	-

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FX Options								
JPY/USD TUESDAY WKLY OPT W	7	0	-	6.14	20.3%	18	0	-
JPY/USD TUESDAY WKLY OPT W	33	0	-	0.55	5914.6%	14	0	-
JPY/USD TUESDAY WKLY OPT W	0	0	-	3.09	-95.4%	15	0	-
JPY/USD TUESDAY WKLY OPT W	0	0	-	119.18	-100.0%	12	0	-
JPY/USD WKLY FRIDAY OPTION	315	295.52	6.4%	0.64	49322.3%	73	170	-56.7%
JPY/USD WKLY FRIDAY OPTION	391	318.38	22.8%	671.27	-41.7%	344	387	-11.1%
JPY/USD WKLY FRIDAY OPTION	539	547.33	-1.4%	542.77	-0.6%	396	566	-29.9%
JPY/USD WKLY FRIDAY OPTION	288	186.14	54.7%	868.59	-66.8%	410	512	-19.9%
JPY/USD WKLY FRIDAY OPTION	21	1	2028.6%	0	-	85	169	-49.7%
JPY/USD WKLY WED OPTIONS -	121	82.29	47.2%	346.27	-65.0%	171	184	-7.0%
JPY/USD WKLY WED OPTIONS -	324	150.71	114.9%	146.55	121.1%	150	176	-14.9%
JPY/USD WKLY WED OPTIONS -	183	142.48	28.2%	107.27	70.3%	150	154	-2.7%
JPY/USD WKLY WED OPTIONS -	136	100.05	35.5%	90	50.6%	112	212	-47.1%
JPY/USD WKLY WED OPTIONS -	168	169.57	-1.1%	0	-	44	68	-35.6%
MXN/USD MONTHLY OPTIONS	860	45.43	1793.4%	673.41	27.7%	174	73	138.3%
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	4.76	-100.0%	0	-	0	0	-100.0%
NZD/USD MONTHLY OPTIONS	1	0.19	275.0%	0.32	124.5%	328	103	217.4%
NZD/USD WKLY FRIDAY OPTION	0	0	-	0	-	0	0	-
USD/CNH MONTHLY OPTIONS	3	0	-	0.91	266.7%	4	0	-
USD/CNH WEEKLY FRIDAY OPTI	0	0	-	0	-	0	0	-
ZAR/USD MONTHLY OPTIONS	0	0	-	0	-	3	0	-

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	ADV NOV 2023	ADV NOV 2022	% CHG	ADV OCT 2023	% CHG	ADV Y.T.D 2023	ADV Y.T.D 2022	% CHG
Ag Products Futures								
BLOCK CHEESE	8	9	-7.4%	9.86	-15.5%	24	16	51.8%
BUTTER CS	206	179.76	14.7%	207.09	-0.4%	186	202	-8.1%
CASH-SETTLED CHEESE	685	438	56.3%	582.59	17.5%	642	469	36.8%
CATTLE	73,622	57,803.62	27.4%	64,982.77	13.3%	66,764	57,633	15.8%
CDD SEASONAL STRIP	0	0	-	0	-	18	32	-45.3%
CDD WEATHER	0	0	-	0	-	74	103	-28.3%
CLASS IV MILK	104	68.76	50.8%	55.73	86.0%	73	119	-38.5%
DRY WHEY	88	31.86	175.9%	50.05	75.6%	56	47	19.3%
FEEDER CATTLE	17,869	13,294.9	34.4%	18,596.68	-3.9%	17,641	13,502	30.7%
GOLDMAN SACHS	85	142.67	-40.4%	87.73	-3.0%	97	184	-47.6%
GSCI EXCESS RETURN FUT	108	25.14	328.2%	147.45	-27.0%	1,023	1,765	-42.0%
HDD EURO SEASONAL STRIP	0	0	-	0	-	0	15	-100.0%
HDD SEASONAL STRIP	0	0	-	0	-	0	17	-100.0%
HDD WEATHER	150	232.14	-35.4%	63.64	135.7%	30	95	-68.9%
HDD WEATHER EUROPEAN	204	23.81	755.0%	11.36	1691.4%	52	36	44.4%
HOGS	55,974	45,176.81	23.9%	41,810.05	33.9%	52,171	46,115	13.1%
HOUSING INDEX	0	0.81	-41.2%	1.5	-68.3%	1	1	8.7%
LUMBER	1,039	400.43	159.4%	878.05	18.3%	750	429	74.9%
MALAYSIAN PALM SWAP	0	0	-	0	-	0	0	-
MILK	1,663	1,257.48	32.3%	1,763.86	-5.7%	1,577	1,362	15.8%
MLK MID OPTIONS	0	0	-	0	-	0	0	-
NFD MILK	202	233.29	-13.5%	248.41	-18.8%	246	271	-9.2%
OTC SP GSCI ER SWAP	975	0	-	817.32	19.3%	669	0	-
PACIFIC RIM DAT SS WTHR	0	0	-	0	-	0	0	-
PORK CUTOUT	13	70.9	-82.1%	45.86	-72.4%	65	99	-34.8%
S&P GSCI ENHANCED ER SWAP	0	0	-	0	-	0	0	-
USD CRUDE PALM OIL	878	758.81	15.7%	1,088.14	-19.3%	1,233	1,024	20.4%

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Ag Products Options								
BLOCK CHEESE	65	0	-	41.27	56.9%	27	11	143.5%
BUTTER CS	42	105.95	-60.8%	101.5	-59.1%	92	79	16.0%
CASH-SETTLED CHEESE	287	235.52	21.7%	249.77	14.8%	355	333	6.6%
CATTLE	25,465	10,014.48	154.3%	21,062.32	20.9%	16,358	10,239	59.8%
CDD SEASONAL STRIP	0	0	-	0	-	357	89	301.0%
CDD WEATHER	0	0	-	0	-	504	5	10445.5%
CLASS IV MILK	552	385.52	43.3%	400.18	38.0%	364	360	1.1%
DRY WHEY	18	0	-	24.18	-25.0%	11	14	-24.0%
FEEDER CATTLE	5,134	1,423.9	260.6%	4,080.59	25.8%	3,215	1,705	88.5%
HDD EURO SEASONAL STRIP	0	0	-	0	-	122	29	314.8%
HDD SEASONAL STRIP	167	0	-	340.91	-51.1%	254	17	1362.5%
HDD WEATHER	619	4.76	12900.0%	381.82	62.1%	301	56	436.8%
HDD WEATHER EUROPEAN	0	0	-	0	-	87	9	900.0%
HOGS	15,194	8,742	73.8%	18,827.45	-19.3%	15,310	10,859	41.0%
LUMBER	44	9.81	352.9%	52.36	-15.2%	25	19	32.0%
LV CATL CSO	0	0	-	0	-	0	0	-
MILK	1,805	1,715.52	5.2%	1,333.73	35.3%	1,234	1,195	3.3%
MLK MID OPTIONS	0	0.05	200.2%	0	-	0	0	-45.7%
NFD MILK	296	192.52	53.9%	374.09	-20.8%	266	212	25.6%
PACIFIC RIM DAT SS WTHR	0	0	-	409.09	-100.0%	39	0	-
PORK CUTOOT	0	0.48	-100.0%	0	-	0	0	146.7%
TOTAL FUTURES GROUP								
Interest Rate Futures	3,978,590	3,054,662.81	30.2%	3,198,971.5	24.4%	3,514,084	3,416,262	2.9%
Equity Index Futures	4,298,739	5,317,469.9	-19.2%	5,779,874.77	-25.6%	5,003,495	6,098,379	-18.0%
FX Futures	903,431	884,280.95	2.2%	896,079.64	0.8%	898,912	938,559	-4.2%
Ag Products Futures	153,872	120,148.19	28.1%	131,448.14	17.1%	143,389	123,537	16.1%
TOTAL FUTURES	9,334,631	9,376,561.86	-0.4%	10,006,374.05	-6.7%	9,559,880.39	10,576,736.41	-9.6%
TOTAL OPTIONS GROUP								
Interest Rate Options	1,847,782	1,461,178.52	26.5%	1,433,289.73	28.9%	1,762,739	1,276,618	38.1%
Equity Index Options	1,550,085	1,247,553.76	24.2%	1,933,783.14	-19.8%	1,419,246	1,218,096	16.5%
FX Options	43,557	43,799.14	-0.6%	38,734.27	12.5%	38,752	43,351	-10.6%
Ag Products Options	49,688	22,830.52	117.6%	47,679.27	4.2%	38,920	25,231	54.3%
TOTAL OPTIONS	3,491,112	2,775,361.95	25.8%	3,453,486.41	1.1%	3,259,657.49	2,563,296.24	27.2%
TOTAL COMBINED								
Interest Rate	5,826,372	4,515,841.33	29.0%	4,632,261.23	25.8%	5,276,824	4,692,880	12.4%
Equity Index	5,848,824	6,565,023.67	-10.9%	7,713,657.91	-24.2%	6,422,741	7,316,475	-12.2%
FX	946,988	928,080.1	2.0%	934,813.91	1.3%	937,664	981,910	-4.5%
Ag Products	203,560	142,978.71	42.4%	179,127.41	13.6%	182,309	148,769	22.5%
GRAND TOTAL	12,825,744	12,151,923.81	5.5%	13,459,860.46	-4.7%	12,819,537.88	13,140,032.65	-2.4%