

CME Group Exchange ADV Report - Monthly

March 2023

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	ADV MAR 2023	ADV MAR 2022	% CHG	ADV FEB 2023	% CHG	ADV Y.T.D 2023	ADV Y.T.D 2022	% CHG
FX Futures								
AD/CD CROSS RATES	4	3.13	37.5%	0.68	529.1%	2	2	28.0%
AD/JY CROSS RATES	171	368.87	-53.6%	67.21	154.8%	104	270	-61.6%
AD/NE CROSS RATES	184	244.74	-24.7%	68.84	167.8%	132	112	18.2%
AUSTRALIAN DOLLAR	120,214	98,590.52	21.9%	92,141.63	30.5%	100,590	96,213	4.5%
BP/JY CROSS RATES	365	370.04	-1.5%	112.95	222.8%	219	237	-7.8%
BP/SF CROSS RATES	225	111.13	102.3%	121.47	85.1%	168	111	51.7%
BRAZIL REAL	12,706	15,460.74	-17.8%	16,032.42	-20.7%	14,468	16,621	-13.0%
BRITISH POUND	136,163	128,360.96	6.1%	96,139.26	41.6%	107,714	113,443	-5.1%
CANADIAN DOLLAR	113,151	91,705.35	23.4%	80,698.26	40.2%	89,326	83,364	7.2%
CD/JY CROSS RATES	0	1.48	-97.1%	0.11	-58.7%	0	9	-99.0%
CHINESE RENMINBI (CNH)	1,550	1,338.7	15.8%	1,610.47	-3.7%	1,413	936	51.0%
CZECK KORUNA (EC)	0	0.35	-75.0%	0	-	0	0	-63.6%
CZECK KORUNA (US)	0	0.22	120.0%	2.63	-81.8%	4	0	2069.9%
EC/AD CROSS RATES	530	486.83	8.8%	69.11	666.4%	250	280	-11.0%
EC/CD CROSS RATES	732	863.43	-15.2%	89.74	715.6%	355	444	-20.1%
EC/NOK CROSS RATES	260	138.52	87.8%	74.26	250.3%	141	69	104.2%
EC/SEK CROSS RATES	623	267.17	133.2%	133.32	367.4%	308	135	127.3%
EFX/BP CROSS RATES	5,628	8,726.78	-35.5%	1,777.79	216.6%	3,127	5,077	-38.4%
EFX/JY CROSS RATES	4,531	6,128.04	-26.1%	1,513.05	199.5%	2,587	3,849	-32.8%
EFX/SF CROSS RATES	2,791	4,087.43	-31.7%	450.37	519.6%	1,409	2,505	-43.7%
E-MICRO USD/CAD	9	24.43	-64.4%	6.32	37.7%	10	19	-49.6%
E-MICRO USD/CHF	9	6.13	54.6%	2.42	291.5%	8	4	110.4%
E-MICRO USD/JPY	69	333.96	-79.3%	26.47	160.8%	63	196	-67.6%
E-MINI EURO FX	7,833	7,946.52	-1.4%	6,772.79	15.6%	7,396	6,733	9.8%
E-MINI JAPANESE YEN	531	398.26	33.4%	629.74	-15.7%	595	328	81.4%
EURO FX	319,264	302,031	5.7%	210,243.63	51.9%	246,488	231,671	6.4%
HUNGARIAN FORINT (EC)	0	0.78	-66.7%	0.32	-17.4%	0	0	-56.7%
HUNGARIAN FORINT (US)	1	0.17	525.1%	0.63	72.1%	1	0	70.4%
INDIAN RUPEE	1,201	976.43	23.0%	1,727.11	-30.4%	1,755	949	84.8%
JAPANESE YEN	202,024	148,642.74	35.9%	139,736.37	44.6%	165,559	124,788	32.7%
KOREAN WON	69	32.74	111.2%	9.11	659.2%	32	42	-23.2%
MEXICAN PESO	105,498	62,215.61	69.6%	48,791.32	116.2%	68,052	51,690	31.7%
MICRO AUD/USD	14,076	10,883.96	29.3%	14,609.95	-3.7%	14,636	12,636	15.8%
MICRO CAD/USD	3,214	2,095.83	53.4%	3,257.68	-1.3%	3,241	2,663	21.7%
MICRO CHF/USD	703	623.3	12.8%	755.21	-6.9%	814	528	54.2%
MICRO EUR/USD	35,106	34,428.74	2.0%	33,157.21	5.9%	35,636	33,659	5.9%
MICRO GBP/USD	3,411	3,884.7	-12.2%	3,893.47	-12.4%	3,715	4,017	-7.5%
MICRO INR/USD	26	39.3	-34.5%	29.37	-12.4%	31	42	-26.5%
MICRO JPY/USD	0	556.48	-100.0%	0	-	0	1,641	-100.0%
MICRO USD/CNH	0	0.04	-100.0%	0	-	0	0	-100.0%
NEW ZEALND DOLLAR	36,180	30,411.3	19.0%	29,672.47	21.9%	30,702	28,153	9.1%
NKR/USD CROSS RATE	393	230.09	70.7%	166.42	136.0%	238	185	28.8%
POLISH ZLOTY (EC)	8	19.74	-57.3%	1.37	516.4%	4	9	-56.5%
POLISH ZLOTY (US)	88	162.57	-46.1%	30.47	187.3%	56	94	-40.4%
RMB USD	0	0.13	-100.0%	0	-	0	0	25.0%
RUSSIAN RUBLE	0	565.09	-100.0%	0	-	0	9,422	-100.0%
S.AFRICAN RAND	5,162	5,613.13	-8.0%	3,252.58	58.7%	3,779	4,622	-18.2%
SF/JY CROSS RATES	96	55.39	73.3%	23.11	315.5%	47	22	114.6%
SHEKEL	7	0.22	3339.9%	3.68	103.0%	4	1	551.3%

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FX Futures								
SKR/USD CROSS RATES	334	568.87	-41.4%	238.79	39.7%	265	422	-37.1%
SWISS FRANC	26,790	28,165.65	-4.9%	18,048.74	48.4%	21,778	24,030	-9.4%
TURKISH LIRA	6	4.87	17.0%	0	-	2	2	2.3%
USDZAR	2	0	-	2.11	17.7%	2	0	259.2%
FX Options								
AUD/USD MONDAY OPTION WEEK1	13	21.26	-38.0%	3.26	303.7%	6	22	-71.3%
AUD/USD MONDAY OPTION WEEK2	59	5.48	972.2%	7.95	639.1%	31	36	-14.4%
AUD/USD MONDAY OPTION WEEK3	37	20.48	83.0%	0.42	8802.2%	14	14	-2.2%
AUD/USD MONDAY OPTION WEEK4	6	4.91	31.0%	1.63	294.4%	15	13	18.8%
AUD/USD MONDAY OPTION WEEK5	0	0	-	0	-	5	13	-59.6%
AUD/USD MONTHLY OPTIONS	3,691	2,809.39	31.4%	2,014.89	83.2%	2,530	5,070	-50.1%
AUD/USD WKLY FRIDAY OPTIONS -	0	76.09	-100.0%	0	-	0	28	-100.0%
AUD/USD WKLY FRIDAY OPTIONS -	119	54	120.5%	160.16	-25.6%	111	114	-2.1%
AUD/USD WKLY FRIDAY OPTIONS -	87	87	0.0%	80.63	7.9%	102	147	-30.6%
AUD/USD WKLY FRIDAY OPTIONS -	92	54.57	68.0%	53.89	70.1%	88	102	-13.7%
AUD/USD WKLY FRIDAY OPTIONS -	41	25.17	63.9%	16.74	146.5%	20	9	118.8%
AUD/USD WKLY WED OPTIONS - WK	5	55.09	-90.4%	11.79	-55.0%	8	51	-84.1%
AUD/USD WKLY WED OPTIONS - WK	9	19.61	-56.5%	5.21	63.6%	9	34	-73.9%
AUD/USD WKLY WED OPTIONS - WK	2	11.26	-81.9%	4.26	-52.1%	5	14	-64.4%
AUD/USD WKLY WED OPTIONS - WK	9	3.39	155.1%	13.63	-36.5%	18	20	-11.1%
AUD/USD WKLY WED OPTIONS - WK	13	9.17	46.9%	0	-	5	3	46.9%
BRL/USD MONTHLY OPTIONS	0	12.74	-100.0%	0.05	-100.0%	0	26	-99.7%
CAD/USD MONDAY OPTIONS WEEK1	78	13.09	493.7%	33.79	129.9%	41	10	325.7%
CAD/USD MONDAY OPTIONS WEEK2	108	82.26	31.5%	101.89	6.2%	85	73	17.0%
CAD/USD MONDAY OPTIONS WEEK3	152	24	532.8%	0.42	35965.0%	56	9	508.9%
CAD/USD MONDAY OPTIONS WEEK4	46	22.09	109.4%	35	32.2%	44	48	-7.7%
CAD/USD MONDAY OPTIONS WEEK5	0	0	-	0	-	4	20	-80.3%
CAD/USD MONTHLY OPTIONS	5,119	4,745.7	7.9%	2,833.89	80.6%	3,971	4,324	-8.2%
CAD/USD WKLY FRIDAY OPTIONS -	0	260.61	-100.0%	0	-	0	97	-100.0%
CAD/USD WKLY FRIDAY OPTIONS -	127	52.17	143.0%	199.47	-36.4%	167	247	-32.5%
CAD/USD WKLY FRIDAY OPTIONS -	130	222.57	-41.6%	161.95	-19.8%	137	283	-51.5%
CAD/USD WKLY FRIDAY OPTIONS -	225	228.61	-1.4%	129.05	74.7%	181	259	-30.0%
CAD/USD WKLY FRIDAY OPTIONS -	206	28.35	625.0%	18.21	1028.6%	82	11	678.1%
CAD/USD WKLY WED OPTIONS - WK	41	28	47.5%	11.37	263.3%	42	51	-19.0%
CAD/USD WKLY WED OPTIONS - WK	43	8.96	376.7%	24.89	71.5%	35	65	-46.0%
CAD/USD WKLY WED OPTIONS - WK	46	22.61	102.5%	136.47	-66.5%	70	63	9.7%
CAD/USD WKLY WED OPTIONS - WK	120	136	-11.7%	15.95	653.0%	86	106	-18.3%
CAD/USD WKLY WED OPTIONS - WK	39	127.74	-69.7%	0	-	14	47	-69.7%
CHF/USD MONTHLY OPTIONS	346	171.91	101.3%	203.26	70.3%	291	308	-5.6%
CHF/USD WKLY FRIDAY OPTIONS -	0	22.61	-100.0%	0	-	0	8	-100.0%
CHF/USD WKLY FRIDAY OPTIONS -	22	1.26	1644.8%	10.63	106.9%	13	10	29.0%
CHF/USD WKLY FRIDAY OPTIONS -	4	1.74	127.5%	9.63	-58.9%	8	6	28.1%
CHF/USD WKLY FRIDAY OPTIONS -	63	1.48	4170.5%	116.11	-45.6%	69	12	502.4%
CHF/USD WKLY FRIDAY OPTIONS -	15	0	-	0.32	4525.9%	6	0	-
EUR/GBP MONTHLY OPTIONS	0	76.09	-100.0%	0	-	0	32	-100.0%
EURODOLLARS	137	0	-	220.21	-37.8%	174	0	-

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FX Options								
EUR/USD MONDAY OPTION WEEK1	81	197.57	-58.8%	214.21	-62.0%	112	112	-0.3%
EUR/USD MONDAY OPTION WEEK2	93	161.35	-42.4%	83.26	11.5%	99	220	-55.2%
EUR/USD MONDAY OPTION WEEK3	146	43	240.6%	72.68	101.5%	77	43	77.4%
EUR/USD MONDAY OPTION WEEK4	104	153.17	-31.9%	162.05	-35.7%	107	140	-23.5%
EUR/USD MONDAY OPTION WEEK5	0	0	-	0	-	15	46	-66.6%
EUR/USD MONTHLY OPTIONS	18,849	10,169.26	85.4%	14,978	25.8%	14,838	11,595	28.0%
EUR/USD WKLY FRIDAY OPTIONS -	0	1,091.17	-100.0%	0	-	0	405	-100.0%
EUR/USD WKLY FRIDAY OPTIONS -	1,018	509.04	100.1%	862	18.1%	1,011	1,064	-5.0%
EUR/USD WKLY FRIDAY OPTIONS -	987	810.17	21.9%	1,902.32	-48.1%	1,274	850	50.0%
EUR/USD WKLY FRIDAY OPTIONS -	4,898	968.22	405.8%	729.26	571.6%	2,220	1,230	80.5%
EUR/USD WKLY FRIDAY OPTIONS -	349	99.83	249.5%	12.68	2650.4%	133	37	260.0%
EUR/USD WKLY WED OPTIONS - WK	192	315.43	-39.0%	191.89	0.2%	177	349	-49.3%
EUR/USD WKLY WED OPTIONS - WK	319	353.52	-9.7%	445.21	-28.3%	337	285	18.3%
EUR/USD WKLY WED OPTIONS - WK	200	284.52	-29.6%	441.26	-54.6%	265	293	-9.5%
EUR/USD WKLY WED OPTIONS - WK	161	333.26	-51.6%	303.63	-46.8%	210	297	-29.4%
EUR/USD WKLY WED OPTIONS - WK	290	276.65	4.8%	0	-	108	103	4.8%
GBP/USD MONDAY OPTION WEEK1	32	26.74	18.0%	59.89	-47.3%	46	31	50.1%
GBP/USD MONDAY OPTION WEEK2	19	0.09	21889.0%	79.53	-75.9%	60	44	35.5%
GBP/USD MONDAY OPTION WEEK3	32	6.13	415.6%	43.05	-26.6%	25	8	216.0%
GBP/USD MONDAY OPTION WEEK4	10	28.91	-66.0%	10.26	-4.3%	11	39	-73.1%
GBP/USD MONDAY OPTION WEEK5	0	0	-	0	-	6	6	10.8%
GBP/USD MONTHLY OPTIONS	2,813	2,513.04	11.9%	3,318.47	-15.2%	3,131	3,163	-1.0%
GBP/USD WKLY FRIDAY OPTIONS -	0	147.74	-100.0%	0	-	0	55	-100.0%
GBP/USD WKLY FRIDAY OPTIONS -	127	20.74	510.9%	202.95	-37.6%	162	117	38.3%
GBP/USD WKLY FRIDAY OPTIONS -	105	117.3	-10.1%	226.47	-53.4%	137	218	-36.9%
GBP/USD WKLY FRIDAY OPTIONS -	71	220.57	-67.8%	108.79	-34.7%	85	183	-53.6%
GBP/USD WKLY FRIDAY OPTIONS -	99	64.26	54.7%	33.58	196.1%	47	24	97.9%
GBP/USD WKLY WED OPTIONS - WK	40	25.74	56.1%	10.79	272.3%	26	84	-69.1%
GBP/USD WKLY WED OPTIONS - WK	25	2.57	862.7%	125.95	-80.4%	83	32	158.5%
GBP/USD WKLY WED OPTIONS - WK	97	27.96	246.3%	22.42	331.9%	61	76	-20.3%
GBP/USD WKLY WED OPTIONS - WK	46	21	120.3%	18.16	154.8%	31	79	-61.5%
GBP/USD WKLY WED OPTIONS - WK	4	14.35	-71.8%	0	-	2	5	-71.8%
JPY/USD MONDAY OPTION WEEK1	24	38.78	-38.1%	117.32	-79.5%	48	21	129.6%
JPY/USD MONDAY OPTION WEEK2	191	13.22	1344.7%	146.16	30.7%	130	51	157.6%
JPY/USD MONDAY OPTION WEEK3	70	2.57	2632.2%	3.53	1887.5%	27	2	1162.4%
JPY/USD MONDAY OPTION WEEK4	4	35.26	-88.0%	2.84	48.4%	24	36	-32.4%
JPY/USD MONDAY OPTION WEEK5	0	0	-	0	-	17	1	1952.9%
JPY/USD MONTHLY OPTIONS	4,619	7,487.39	-38.3%	4,508.95	2.4%	4,902	6,424	-23.7%
JPY/USD WKLY FRIDAY OPTIONS -	0	485	-100.0%	0	-	0	180	-100.0%
JPY/USD WKLY FRIDAY OPTIONS -	415	366.43	13.2%	433.21	-4.3%	391	532	-26.6%
JPY/USD WKLY FRIDAY OPTIONS -	377	535.78	-29.7%	568.11	-33.7%	485	518	-6.3%
JPY/USD WKLY FRIDAY OPTIONS -	273	472.43	-42.1%	245.53	11.4%	284	540	-47.4%
JPY/USD WKLY FRIDAY OPTIONS -	202	29.65	580.5%	0.11	191526.4%	75	11	580.8%
JPY/USD WKLY WED OPTIONS - WK	85	133.04	-36.2%	216.95	-60.9%	142	148	-4.1%
JPY/USD WKLY WED OPTIONS - WK	150	132.78	12.9%	114.05	31.5%	145	148	-2.3%
JPY/USD WKLY WED OPTIONS - WK	197	81.04	143.2%	221.58	-11.0%	209	116	80.4%
JPY/USD WKLY WED OPTIONS - WK	86	78.74	9.1%	148.47	-42.2%	151	117	29.9%
JPY/USD WKLY WED OPTIONS - WK	56	124.22	-54.6%	0	-	21	46	-54.6%

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FX Options								
MXN/USD MONTHLY OPTIONS	18	33.22	-46.2%	9.42	89.7%	13	45	-71.7%
MXN/USD WKLY FRIDAY OPTIONS -	0	0	-	0	-	0	0	-
MXN/USD WKLY FRIDAY OPTIONS -	0	0	-	0	-	0	0	-
NZD/USD MONTHLY OPTIONS	5	0.43	1030.0%	2,365.58	-99.8%	1,186	1	122502.0%
NZD/USD WKLY FRIDAY OPTIONS -	0	0	-	0.05	-100.0%	0	0	-
ZAR/USD MONTHLY OPTIONS	0	0	-	20.53	-100.0%	12	0	-
Equity Index Futures								
BITCOIN	12,024	7,962.22	51.0%	11,176.89	7.6%	11,084	8,806	25.9%
DJ US REAL ESTATE SECTOR	5,523	6,224.57	-11.3%	2,339.95	136.0%	3,438	3,470	-0.9%
E-mini (\$5) Dow	219,805	201,286.48	9.2%	188,244.37	16.8%	194,588	241,265	-19.3%
E-mini FTSE China 50	0	82.17	-100.0%	0	-	1	55	-98.7%
E-MINI MIDCAP	21,056	21,038.83	0.1%	11,343.53	85.6%	14,947	18,460	-19.0%
E-MINI NASDAQ 100	781,411	660,797	18.3%	644,604.26	21.2%	686,505	733,796	-6.4%
E-MINI RUSSELL 1000	907	1,233.3	-26.4%	43.26	1997.5%	566	552	2.6%
E-MINI RUSSELL 1000 GROWTH	634	830.09	-23.6%	169.53	274.1%	317	582	-45.5%
E-MINI RUSSELL 1000 VALUE	1,444	2,796.87	-48.4%	420.79	243.3%	785	1,386	-43.4%
E-MINI RUSSELL 2000	313,098	262,928.26	19.1%	199,502.42	56.9%	238,131	266,524	-10.7%
E-MINI S&P500	2,420,787	1,883,296.22	28.5%	1,925,966.32	25.7%	2,037,881	1,962,867	3.8%
E-MINI S&P500 ESG	2,162	2,411.48	-10.3%	646.42	234.5%	1,236	2,199	-43.8%
ETHER	0	0	-	0	-	0	0	-
ETHER FUTURES	5,832	3,999.13	45.8%	6,522.53	-10.6%	5,909	5,175	14.2%
FT-SE 100	0	29.26	-100.0%	7.63	-100.0%	2	14	-83.7%
IBOVESPA INDEX	1	1.7	-69.2%	4.26	-87.8%	2	2	-14.9%
MICRO BITCOIN	11,797	17,141.78	-31.2%	10,635.74	10.9%	9,952	19,800	-49.7%
MICRO E-MINI NASDAQ 100	1,176,357	1,357,364.3	-13.3%	1,133,650.95	3.8%	1,155,849	1,603,701	-27.9%
MICRO E-MINI RUSSELL 2000	98,428	122,311.43	-19.5%	79,296.68	24.1%	88,227	176,777	-50.1%
MICRO E-MINI S&P500	1,321,088	1,259,507.26	4.9%	1,222,847.53	8.0%	1,290,109	1,366,489	-5.6%
MICRO ETHER	8,653	16,231.17	-46.7%	10,966.37	-21.1%	9,993	19,078	-47.6%
MICRO MINI \$5 DOW	175,350	186,016.39	-5.7%	129,890.11	35.0%	150,375	234,155	-35.8%
NASDAQ-100 VOLATILITY	1	90.83	-99.1%	26.21	-97.0%	51	196	-73.7%
NASDAQ BIOTECH SECTOR	10	9.26	4.7%	19.42	-50.1%	13	7	92.7%
Nearby BTIC+	0	15.22	-100.0%	0	-	0	12	-100.0%
NIKKEI 225 (\$) STOCK	6,203	6,574	-5.6%	3,868.37	60.3%	5,002	6,864	-27.1%
NIKKEI 225 (YEN) STOCK	33,808	47,867.96	-29.4%	24,352.63	38.8%	29,021	45,356	-36.0%
PHLX SEMICONDUCTOR SECTOR	24	0	-	11.37	108.8%	15	0	-
S&P 500	7,592	6,678.65	13.7%	5,586.21	35.9%	5,703	4,948	15.3%
S&P 500 ANNUAL DIVIDEND INDEX F	5,262	5,837.13	-9.9%	2,974.16	76.9%	3,957	4,802	-17.6%
S&P 500 QUARLY DIVIDEND INDEX F	1,184	279.39	323.8%	867.37	36.5%	936	260	260.1%
S&P BIOTECHNOLOGY SECTOR	92	0	-	21.95	317.4%	46	0	-
S&P COMMUNICATION SERVICES S	378	299.43	26.2%	165.95	127.7%	216	187	15.9%
S&P CONSUMER DISCRETIONARY S	820	949.57	-13.7%	322.37	154.3%	482	686	-29.6%
S&P CONSUMER STAPLES SECTOR	2,266	1,747.83	29.6%	1,242.37	82.4%	1,688	1,306	29.2%
S&P ENERGY SECTOR	4,266	6,602.87	-35.4%	1,224.79	248.3%	2,314	3,750	-38.3%
S&P FINANCIAL SECTOR	6,457	4,256.91	51.7%	1,250.95	416.2%	2,993	2,362	26.7%
S&P HEALTH CARE SECTOR	2,825	2,501.17	12.9%	813.53	247.3%	1,430	1,434	-0.3%

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	ADV MAR 2023	ADV MAR 2022	% CHG	ADV FEB 2023	% CHG	ADV Y.T.D 2023	ADV Y.T.D 2022	% CHG
Equity Index Futures								
S&P INDUSTRIAL SECTOR	2,649	2,086.48	27.0%	550.68	381.1%	1,449	1,518	-4.5%
S&P MATERIALS SECTOR	1,018	1,073.57	-5.2%	452	125.3%	600	925	-35.2%
S&P OIL & GAS EXPLORATION AND	24	0	-	5.58	338.0%	13	0	-
S&P REAL ESTATE SECTOR	893	785.17	13.8%	589.11	51.6%	683	494	38.1%
S&P REGIONAL BANKS SECTOR	84	0	-	9.21	807.3%	37	0	-
S&P RETAIL SECTOR	13	0	-	48.74	-72.3%	22	0	-
S&P TECHNOLOGY SECTOR	1,987	1,715.7	15.8%	556.37	257.1%	1,075	1,549	-30.6%
S&P UTILITIES SECTOR	4,663	3,092.87	50.8%	1,682.16	177.2%	2,621	1,967	33.2%
TOPIX (USD)	6	0	-	0	-	2	0	-
TOPIX (YEN)	22	200.7	-89.0%	8.74	153.3%	15	200	-92.7%
WATER INDEX FUTURES	1	4.83	-84.7%	0.84	-12.2%	1	6	-82.1%

Equity Index Options

BITCOIN OPTIONS	555	96.65	474.1%	280.53	97.8%	428	103	317.5%
DJIA	315	0	-	301.37	4.4%	273	0	-
E-mini (\$5) Dow	48	159.57	-69.7%	47.16	2.5%	60	123	-51.2%
E-MINI NASDAQ 100	59,633	35,428.96	68.3%	56,083.58	6.3%	53,084	39,710	33.7%
E-MINI RUSSELL 2000	7,453	6,325.52	17.8%	5,854.79	27.3%	6,103	8,091	-24.6%
E-MINI S&P500	1,385,629	995,405.22	39.2%	1,234,786.89	12.2%	1,262,801	1,134,112	11.3%
ETHER OPTIONS	47	0	-	66.63	-29.5%	52	0	-
EVENT CONTRACT S&P 500	76	0	-	0	-	28	0	-
MICRO BITCOIN	496	5.09	9655.5%	250.42	98.2%	475	2	25072.6%
MICRO E-MINI NASDAQ 100	2,632	2,743.43	-4.1%	2,960.47	-11.1%	2,753	3,394	-18.9%
Micro E-mini S&P 500	12,433	10,613.74	17.1%	14,930.16	-16.7%	13,725	13,813	-0.6%
MICRO ETHER	672	873.91	-23.1%	632	6.3%	493	324	52.2%

Interest Rate Futures

10-YR Eris LIBOR	811	1,083.04	-25.1%	123.95	554.7%	410	936	-56.2%
10-YR Eris SOFR	1,145	178.26	542.2%	2.63	43403.0%	431	68	536.9%
10-YR MAC LIBOR	1,635	2,974.35	-45.0%	193.16	746.5%	753	2,841	-73.5%
10-YR MAC SOFR	0	0	-	0.47	-17.4%	0	0	-
10-YR NOTE	2,138,486	1,802,292.35	18.7%	2,736,051.05	-21.8%	2,130,628	2,120,085	0.5%
10Y YIELD	6,288	4,851.04	29.6%	4,213.53	49.2%	4,066	5,099	-20.3%
15-YR Eris LIBOR	0	65.22	-100.0%	0	-	0	24	-100.0%
1-MONTH EURODOLLAR	0	1,479.22	-100.0%	0.32	-100.0%	0	942	-100.0%
1-YR Eris BSBY	0	0	-	0	-	0	0	-
1-YR Eris SOFR	740	1,867.35	-60.3%	181.11	308.8%	331	1,854	-82.1%
20-YR BOND	34	556.61	-93.9%	52.05	-34.5%	38	206	-81.5%
2-YR Eris LIBOR	2,215	8,367.09	-73.5%	1,539.95	43.9%	1,539	4,174	-63.1%
2-YR Eris SOFR	2,961	1,076.96	174.9%	143.74	1959.7%	1,206	698	72.7%
2-YR NOTE	861,788	597,894.3	44.1%	1,079,203.16	-20.1%	809,245	709,215	14.1%
2Y YIELD	642	259.57	147.3%	474.47	35.3%	464	364	27.4%
30-Year UMBS TBA Futures - 2.5% Co	4	0	-	7	-48.4%	5	0	-
30-Year UMBS TBA Futures - 3.0% Co	12	0	-	7.42	61.7%	11	0	-

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Interest Rate Futures								
30-Year UMBS TBA Futures - 3.5% Co	10	0	-	7.89	27.2%	9	0	-
30-Year UMBS TBA Futures - 4.0% Co	10	0	-	10.79	-3.3%	8	0	-
30-Year UMBS TBA Futures - 4.5% Co	22	0	-	3.63	508.2%	11	0	-
30-Year UMBS TBA Futures - 5.0% Co	17	0	-	11.11	55.4%	14	0	-
30-Year UMBS TBA Futures - 5.5% Co	8	0	-	10.11	-24.3%	11	0	-
30-Year UMBS TBA Futures - 6.0% Co	40	0	-	17.37	130.6%	22	0	-
30-YR BOND	433,597	359,681.7	20.6%	543,096.79	-20.2%	430,747	437,081	-1.4%
30-YR Eris LIBOR	0	8.26	-100.0%	0	-	0	10	-100.0%
30-YR MAC LIBOR	0	0	-	0	-	0	69	-100.0%
30Y YIELD	39	262.96	-85.3%	66.05	-41.5%	64	495	-87.1%
3-YR Eris BSBY	0	0	-	0	-	0	0	-
3-YR Eris LIBOR	398	2,057.3	-80.7%	280.58	41.8%	270	1,762	-84.7%
3-YR Eris SOFR	606	332.7	82.2%	267.37	126.8%	440	232	89.7%
3-YR NOTE	6,530	13,975.3	-53.3%	6,828.05	-4.4%	6,074	17,543	-65.4%
4-YR Eris LIBOR	23	221.17	-89.6%	13.11	76.2%	23	515	-95.6%
4-YR Eris SOFR	103	159.13	-35.3%	32.95	212.6%	78	82	-5.8%
5-YR Eris LIBOR	1,296	2,584.17	-49.9%	1,216.58	6.5%	991	3,229	-69.3%
5-YR Eris SOFR	3,390	244.74	1285.0%	135.42	2403.1%	1,323	125	955.6%
5-YR MAC LIBOR	509	2,435.52	-79.1%	881.37	-42.2%	735	1,706	-56.9%
5-YR MAC SOFR	2	0	-	2.32	-17.4%	1	0	-
5-YR NOTE	1,624,753	1,202,924.78	35.1%	2,084,978.89	-22.1%	1,568,475	1,454,399	7.8%
5Y YIELD	2	63.17	-96.6%	33.05	-93.6%	14	130	-89.3%
7-YR Eris LIBOR	143	204.57	-30.2%	14.11	911.6%	75	362	-79.3%
7-YR Eris SOFR	54	208.7	-74.1%	0	-	28	77	-63.4%
BSBY 3-MONTH FUTURES	397	2,714.91	-85.4%	399.68	-0.6%	322	4,793	-93.3%
ESTR Basis Spread Futures	63	0	-	82.53	-23.2%	74	0	-
ESTR Futures	1,379	0	-	2,326.63	-40.7%	1,651	0	-
EURODOLLARS	436,758	2,579,331.87	-83.1%	403,806.79	8.2%	423,296	2,727,719	-84.5%
FED FUND	821,131	409,138	100.7%	564,135.32	45.6%	601,203	414,315	45.1%
FTIIE	15	4.91	195.6%	14.37	1.1%	12	7	72.5%
SOFR	5,158,969	1,600,101.7	222.4%	3,766,067.05	37.0%	3,907,864	1,199,590	225.8%
SONIA	3	1.91	72.7%	62.74	-94.7%	21	17	26.7%
Ultra 10-Year Note	481,626	352,308.04	36.7%	625,050.53	-22.9%	481,782	447,548	7.6%
ULTRA T-BOND	257,319	187,628.87	37.1%	425,165.42	-39.5%	283,529	254,985	11.2%

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Interest Rate Options								
10-YR NOTE	836,748	768,788.65	8.8%	841,656.42	-0.6%	790,689	734,958	7.6%
2-YR NOTE	24,383	805.7	2926.3%	17,886	36.3%	18,522	1,338	1283.8%
30-YR BOND	132,535	126,583.35	4.7%	140,727.95	-5.8%	129,440	119,490	8.3%
5-YR NOTE	406,365	344,485.26	18.0%	354,538.05	14.6%	327,684	287,147	14.1%
EURODOLLARS	92,179	845,652.26	-89.1%	160,946.37	-42.7%	127,482	892,370	-85.7%
EURO MIDCURVE	3,269	624,587.78	-99.5%	11,220.79	-70.9%	9,110	596,670	-98.5%
FED FUND	0	0	-	0.11	-100.0%	0	1	-95.2%
SOFR	2,517,030	23,820.91	10466.5%	1,874,920.47	34.2%	1,991,379	22,925	8586.5%
SOFR MIDCURVE	426,392	24,428.13	1645.5%	547,971.63	-22.2%	437,292	16,070	2621.2%
SOFR MISCURVE	0	0	-	0	-	11	0	-
Ultra 10-Year Note	14	0	-	13.89	0.4%	13	7	83.6%
ULTRA T-BOND	75	345.83	-78.2%	43.21	74.6%	54	193	-72.2%
Energy Futures								
AEP-DAYTON HUB DAILY	0	0	-	0	-	0	0	-
ARGUS LLS VS. WTI (ARG) T	409	107.17	281.7%	221.05	85.1%	238	105	126.5%
ARGUS PROPAN FAR EST INDE	333	290.26	14.7%	374.89	-11.2%	419	274	52.9%
ARGUS PROPAN(SAUDI ARAMCO	158	115.26	37.5%	214.89	-26.3%	183	113	61.7%
BRENT BALMO SWAP	0	34.35	-100.0%	0	-	0	24	-100.0%
BRENT CALENDAR SWAP	244	1,661.26	-85.3%	406.95	-40.1%	468	1,009	-53.6%
BRENT FINANCIAL FUTURES	0	0	-	3.68	-100.0%	3	0	-
BRENT OIL LAST DAY	62,686	79,420.09	-21.1%	51,277.47	22.2%	57,580	95,343	-39.6%
CAR VINTAGE	616	995.74	-38.2%	1,070.11	-42.5%	936	771	21.5%
CHICAGO ETHANOL SWAP	4,088	3,213.22	27.2%	2,924.58	39.8%	3,328	2,935	13.4%
CHICAGO ULSD PL VS HO SPR	32	50.65	-36.9%	97.11	-67.1%	47	35	37.2%
CHICAGO UNL GAS PL VS RBO	0	0	-	0	-	0	0	-
CONWAY NATURAL GASOLINE (OPI	1	1.87	-72.1%	0	-	2	7	-69.7%
CONWAY NORMAL BUTANE (OPIS) S	5	1.3	290.0%	2.37	114.8%	6	10	-39.0%
CONWAY PROPANE 5 DECIMALS S	820	803	2.1%	866.16	-5.3%	834	626	33.2%
CRUDE OIL	0	0	-	0	-	0	0	-
CRUDE OIL LAST DAY	25	19.57	27.3%	21.89	13.8%	27	18	47.8%
CRUDE OIL OUTRIGHTS	9,154	3,073.61	197.8%	7,907.95	15.8%	8,152	3,479	134.3%
CRUDE OIL PHY	959,250	1,255,901.43	-23.6%	853,511	12.4%	907,848	1,223,502	-25.8%
CRUDE OIL SPRDS	3,785	2,452.48	54.3%	4,200.37	-9.9%	3,748	2,471	51.7%
CRUDE OIL TRADE AT MARKER SIN	0	0	-	0	-	0	0	-
DAILY PJM	0	0	-	0	-	0	0	-
DATED TO FRONTLINE BRENT	0	13.04	-100.0%	0	-	0	36	-100.0%
DIESEL 10P BRG FOB RDM VS	0	0	-	0	-	0	0	-
DUBAI CRUDE OIL CALENDAR	0	43.48	-100.0%	0	-	0	32	-100.0%
DUTCH TTF NATURAL GAS CAL MO	71	124.65	-43.1%	3.89	1719.6%	30	202	-85.4%
EIA FLAT TAX ONHWAY DIESE	15	5.22	191.7%	3.16	381.9%	9	6	41.3%
EMMISSIONS	108	6.96	1446.3%	65.95	63.1%	98	3	3696.3%
ETHANOL	0	0	-	0	-	0	0	-100.0%
ETHANOL SWAP	13	10.87	20.0%	11.05	18.0%	15	16	-1.6%
ETHANOL T2 FOB ROTT INCL DUTY	219	170.22	28.4%	149.21	46.5%	198	173	14.4%
EURO GASOIL 10 CAL SWAP	0	0	-	0	-	0	0	-

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Energy Futures								
EURO GASOIL 10PPM VS ICE	0	7.39	-100.0%	0	-	0	16	-100.0%
EUROPE 1% FUEL OIL NWE CA	0	0	-	0	-	0	0	-
EUROPE 3.5% FUEL OIL RDAM	7	3.7	83.5%	3.26	107.9%	4	9	-60.1%
EUROPEAN GASOIL (ICE)	2	134.39	-98.6%	0.89	104.1%	3	93	-97.2%
EUROPEAN NAPHTHA BALMO	0	0.22	100.0%	0.95	-54.1%	1	1	-55.3%
EUROPEAN NAPHTHA CRACK SPR	250	167.13	49.7%	42.53	488.2%	125	178	-29.3%
EUROPE DATED BRENT SWAP	0	0	-	0	-	0	0	-
EUROPE NAPHTHA CALSWAP	68	44.61	53.2%	52.63	29.9%	61	49	24.5%
EURO PROPANE CIF ARA SWA	81	112.04	-27.7%	106.95	-24.3%	98	101	-3.1%
FREIGHT MARKETS	1	14.48	-95.5%	9.47	-93.1%	16	16	3.3%
FUEL OIL CRACK VS ICE	0	2.96	-100.0%	0	-	0	15	-100.0%
FUEL OIL NWE CRACK VS ICE	0	0	-	0	-	0	1	-100.0%
FUELOIL SWAP:CARGOES VS.B	0	0	-	0	-	0	0	-
GAS EURO-BOB OXY NWE BARGES	17	11	50.2%	1.47	1021.1%	7	14	-47.2%
GAS EURO-BOB OXY NWE BARGES	67	195.96	-65.6%	39.42	71.0%	73	220	-66.7%
GASOIL 0.1CIF MED VS ICE	0	1.96	-100.0%	0	-	0	1	-100.0%
GASOIL 0.1 RDAM BRGS VS I	0	0.43	-100.0%	0	-	0	0	-100.0%
GASOIL 0.1 ROTTERDAM BARG	0	1.96	-100.0%	0	-	0	1	-100.0%
GASOIL 10PPM VS ICE SWAP	0	0	-	0	-	0	0	-
GASOIL CALENDAR SWAP	1	10.26	-92.4%	0.16	395.6%	0	15	-97.1%
GASOIL CRACK SPREAD CALEN	18	147.13	-88.0%	0	-	7	145	-95.5%
GASOIL MINI CALENDAR SWAP	6	34	-82.6%	16.37	-63.9%	12	26	-52.8%
GERMAN POWER BASELOAD CAL M	0	0	-	0	-	0	0	-
GRP THREE ULSD(PLT)VS HEA	107	409.78	-73.8%	225.26	-52.4%	158	332	-52.4%
GRP THREE UNL GS (PLT) VS	130	331.52	-60.9%	134.47	-3.5%	155	215	-27.7%
GULF COAST 3% FUEL OIL BA	0	17.39	-100.0%	0	-	0	10	-100.0%
GULF COAST JET VS NYM 2 H	383	610.96	-37.3%	336.47	13.8%	370	859	-56.9%
GULF COAST NO.6 FUEL OIL	794	332.87	138.5%	1,158.26	-31.5%	981	571	71.8%
GULF COAST ULSD CALENDAR	15	3.26	366.7%	3.16	381.9%	10	5	101.3%
GULF COAST ULSD CRACK SPR	0	0	-	0	-	0	0	-
HEATING OIL BALMO CLNDR S	0	0	-	4.68	-100.0%	13	24	-44.6%
HEATING OIL CRCK SPRD BAL	0	0	-	0	-	0	0	-
HEATING OIL PHY	151,869	155,118.7	-2.1%	158,734.16	-4.3%	159,681	197,462	-19.1%
HENRY HUB SWAP	2,090	2,017.74	3.6%	2,199.89	-5.0%	2,010	1,612	24.7%
HTG OIL	0	0	-	0	-	0	0	-
ICE BRENT DUBAI SWAP	3	22.17	-88.2%	0	-	1	31	-96.9%
INDONESIAN COAL ICI4	0	0	-	0	-	0	0	-
JAPAN C&F NAPHTHA CRACK S	0	0	-	0	-	0	0	-
JAPAN C&F NAPHTHA SWAP	6	10.22	-39.1%	6.42	-3.2%	6	7	-13.3%
JAPAN NAPHTHA BALMO SWAP	0	0.26	-100.0%	0.42	-100.0%	0	0	99.9%
JET CIF NWE VS ICE	1	7.26	-80.2%	5.05	-71.6%	3	15	-79.6%
JET FUEL UP-DOWN BALMO CL	25	165.65	-84.6%	92.79	-72.6%	57	161	-64.5%
JKM LNG Futures	0	49.57	-100.0%	0	-	0	21	-100.0%
LA CARB DIESEL (OPIS) SWA	27	26.74	0.5%	7.89	240.3%	26	30	-11.4%
LA CARBOB GASOLINE(OPIS)S	0	0	-	0	-	4	0	-
LA JET (OPIS) SWAP	31	21.74	41.0%	26.32	16.5%	29	33	-11.7%
LLS (ARGUS) VS WTI SWAP	0	2.61	-100.0%	31.05	-100.0%	10	2	534.4%
LTD NAT GAS	18,188	13,574.3	34.0%	19,801.53	-8.2%	19,271	16,583	16.2%

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	ADV MAR 2023	ADV MAR 2022	% CHG	ADV FEB 2023	% CHG	ADV Y.T.D 2023	ADV Y.T.D 2022	% CHG
Energy Futures								
MARS (ARGUS) VS WTI SWAP	0	20	-100.0%	0	-	0	24	-100.0%
MARS (ARGUS) VS WTI TRD M	1,021	887.83	15.0%	1,077.79	-5.3%	1,244	799	55.7%
MCCLOSKEY ARA ARGS COAL	24	489.09	-95.2%	121.79	-80.7%	59	400	-85.2%
MCCLOSKEY RCH BAY COAL	1	31.22	-98.3%	0	-	0	25	-99.2%
MINI GAS EUROBOB OXY NWE ARG	0	6.74	-100.0%	0.53	-100.0%	0	3	-90.1%
MINI RBOB V. EBOBARG NWE BRGS	0	0	-	0	-	0	0	-
MINI RBOB V. EBOB(ARGUS) NWE B	1	26.96	-96.8%	12.42	-93.0%	7	20	-63.4%
MINY HTG OIL	0	0.3	57.2%	0.63	-24.3%	1	0	71.4%
MINY NATURAL GAS	11,371	8,518.83	33.5%	16,290.37	-30.2%	16,196	10,022	61.6%
MINY RBOB GAS	0	0.39	-22.2%	0.58	-47.4%	1	0	30.8%
MINY WTI CRUDE OIL	17,564	48,597.04	-63.9%	13,942.84	26.0%	16,312	35,229	-53.7%
MJC FUT	0	0	-	0	-	0	0	-
MNC FUT	83	79.48	4.9%	67.37	23.8%	72	90	-20.2%
MONT BELVIEU ETHANE 5 DECIMAL	1,358	1,499.91	-9.4%	1,500.16	-9.5%	1,743	1,634	6.6%
MONT BELVIEU ETHANE OPIS BALM	24	19.39	25.6%	27.11	-10.2%	52	48	8.8%
MONT BELVIEU LDH PROPANE 5 DE	10,951	8,931.35	22.6%	9,582.53	14.3%	11,148	9,193	21.3%
MONT BELVIEU LDH PROPANE OPIS	202	138.74	45.8%	112.89	79.1%	146	206	-29.1%
MONT BELVIEU NATURAL GASOLIN	1,337	1,233.13	8.5%	1,216.47	9.9%	1,151	961	19.8%
MONT BELVIEU NATURAL GASOLIN	75	54.35	38.1%	66.05	13.6%	74	43	71.6%
MONT BELVIEU NORMAL BUTANE 5	2,915	2,438.26	19.5%	2,479.79	17.5%	2,860	2,476	15.5%
MONT BELVIEU NORMAL BUTANE B	61	85.91	-29.4%	22.21	173.1%	52	101	-48.6%
NATURAL GAS	10,798	8,940.39	20.8%	11,088.68	-2.6%	10,360	8,980	15.4%
NATURAL GAS PEN SWP	821	1,917.48	-57.2%	1,186	-30.8%	1,094	2,495	-56.1%
NATURAL GAS PHY	381,652	304,542.52	25.3%	495,967	-23.0%	419,653	383,345	9.5%
NEPOOL INTR HUB 5MW D AH	0	0	-	0	-	0	0	-
NEW ENGLAND HUB PEAK DAIL	0	0	-	0	-	0	0	-
NEW YORK ETHANOL SWAP	17	59.78	-71.6%	33.16	-48.9%	23	40	-40.9%
NEW YORK HUB ZONE G PEAK	0	0	-	0	-	0	0	-
N ILLINOIS HUB DAILY	0	0	-	0	-	0	0	-
NY1% VS GC SPREAD SWAP	0	0	-	0	-	0	0	-
NY HARBOR HEAT OIL SWP	127	46.13	176.3%	51.05	149.7%	77	44	73.6%
NY HARBOR LOW SULPUR GAS 100C	0	0	-	0	-	0	0	-
NY HARBOR RESIDUAL FUEL 1	5	7.61	-28.6%	6.58	-17.4%	7	6	6.2%
NYH NO 2 CRACK SPREAD CAL	55	188.7	-71.0%	168.32	-67.5%	85	113	-25.0%
NYISO ZONE G 5MW D AH PK	0	0	-	0	-	0	0	-
NY ULSD (ARGUS) VS HEATING OIL	40	7.22	447.6%	18.42	114.5%	25	23	9.2%
PETROCHEMICALS	163	246.22	-34.0%	179.63	-9.5%	196	200	-1.8%
PETRO CRCKS & SPRDS ASIA	0	0	-	0	-	0	0	-
PETRO CRCKS & SPRDS NA	575	1,504.96	-61.8%	763.05	-24.6%	759	1,289	-41.1%
PETRO CRK&SPRD EURO	30	99.13	-69.9%	23.74	25.8%	27	75	-64.3%
PETROLEUM PRODUCTS	159	45.43	250.1%	170.16	-6.5%	146	110	33.1%
PETROLEUM PRODUCTS ASIA	37	42.65	-12.3%	29.47	26.9%	30	57	-47.4%
PETRO OUTRIGHT EURO	326	765.3	-57.5%	345.21	-5.7%	386	670	-42.3%
PETRO OUTRIGHT NA	127	132.61	-4.4%	61.32	106.7%	106	306	-65.5%
PJM AD HUB 5MW REAL TIME	0	0	-	0	-	0	0	-
PJM DAILY	0	0	-	0	-	0	0	-
PJM NI HUB 5MW REAL TIME	0	0	-	0	-	0	0	-
PJM WESTH RT OFF-PEAK	0	0	-	0	-	0	0	-

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Energy Futures								
PJM WESTH RT PEAK	0	0	-	0	-	0	0	-
PLASTICS	15	65	-76.6%	26.53	-42.6%	31	56	-45.1%
PREMIUM UNLD 10P FOB MED	1	0.65	0.0%	0	-	0	0	0.0%
PROPANE NON-LDH MB (OPIS) BAL	81	66.35	22.0%	63.26	27.9%	67	89	-25.5%
PROPANE NON-LDH MT. BEL (OPIS)	623	431.17	44.5%	1,023.05	-39.1%	839	642	30.6%
RBOB CALENDAR SWAP	472	337.3	39.8%	256.84	83.6%	386	329	17.5%
RBOB CRACK SPREAD	36	161.09	-77.7%	33.95	5.7%	42	141	-70.0%
RBOB CRACK SPREAD BALMO S	0	0	-	0	-	0	0	-
RBOB GAS	0	0	-	0	-	0	0	-
RBOB GASOLINE BALMO CLNDR	46	88.35	-48.1%	16.53	177.6%	47	83	-43.1%
RBOB PHY	160,713	183,777.04	-12.6%	163,723.74	-1.8%	161,081	199,938	-19.4%
RBOB VS HEATING OIL SWAP	0	2.61	-100.0%	0	-	0	6	-92.0%
SINGAPORE 180CST BALMO	0	0	-	0	-	0	0	-
SINGAPORE 380CST BALMO	0	0	-	0	-	0	0	-
SINGAPORE 380CST FUEL OIL	7	15.48	-56.2%	3.47	95.3%	5	16	-66.9%
SINGAPORE FUEL 180CST CAL	0	0	-	0	-	0	0	-
SINGAPORE FUEL OIL 180 CS	0	0	-	0	-	0	0	-
SINGAPORE FUEL OIL SPREAD	0	0	-	0	-	0	0	-
SINGAPORE GASOIL	6	57.57	-90.4%	87.26	-93.7%	37	46	-20.1%
SINGAPORE GASOIL CALENDAR	2	15.39	-87.9%	2.84	-34.2%	2	15	-87.3%
SINGAPORE GASOIL SWAP	24	17.83	34.1%	36.84	-35.1%	39	28	39.0%
SINGAPORE GASOIL VS ICE	0	45.39	-100.0%	1.11	-100.0%	0	63	-99.5%
SINGAPORE JET KERO GASOIL	0	31.39	-100.0%	0	-	0	56	-100.0%
SINGAPORE JET KEROSENE SW	0	8.91	-100.0%	0	-	0	7	-100.0%
SINGAPORE MOGAS 92 UNLEADED	4	9.13	-52.4%	0	-	2	3	-52.4%
SINGAPORE MOGAS 92 UNLEADED	11	0	-	0	-	4	5	-8.3%
TC2 ROTTERDAM TO USAC 37K	7	0	-	0	-	3	4	-24.6%
TC5 RAS TANURA TO YOKOHAM	0	3.26	-100.0%	0	-	0	1	-100.0%
TD3 MEG TO JAPAN 250K MT	0	38.91	-100.0%	0	-	0	100	-100.0%
ULSD UP-DOWN BALMO SWP	408	270.57	50.8%	234.21	74.2%	349	407	-14.3%
UP DOWN GC ULSD VS NMX HO	1,054	2,147.74	-50.9%	1,435.11	-26.6%	1,218	2,155	-43.5%
WTI-BRENT CALENDAR SWAP	3,393	4,727.22	-28.2%	2,251.95	50.7%	2,641	3,462	-23.7%
WTI CALENDAR	2,798	5,239.04	-46.6%	2,907.68	-3.8%	2,967	3,873	-23.4%
WTI MIDLAND CRUDE OIL	18	0	-	0	-	7	0	-
WTS (ARGUS) VS WTI SWAP	6	425.74	-98.6%	162.37	-96.3%	54	212	-74.7%
WTS (ARGUS) VS WTI TRD MT	38	0	-	0	-	15	59	-74.6%

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Energy Options								
BRENT CALENDAR SWAP	0	12.52	-100.0%	12.42	-100.0%	7	42	-84.0%
BRENT CRUDE OIL 1 M CSO	0	3,434.78	-100.0%	0	-	0	1,354	-100.0%
BRENT OIL LAST DAY	1,029	2,246.3	-54.2%	574.89	79.0%	899	1,639	-45.1%
COAL API2 INDEX	0	2.17	-100.0%	2.63	-100.0%	1	5	-79.7%
CRUDE OIL 1MO	922	3,581.52	-74.3%	1,800	-48.8%	1,759	5,105	-65.5%
CRUDE OIL APO	1,043	1,666.26	-37.4%	770.53	35.3%	1,017	1,424	-28.6%
CRUDE OIL OUTRIGHTS	281	0	-	593	-52.6%	356	0	-
CRUDE OIL PHY	144,609	179,674.3	-19.5%	114,973.63	25.8%	121,686	160,114	-24.0%
ELEC FINSETTLED	0	0	-	0	-	0	0	-
ETHANOL SWAP	96	291.48	-67.0%	52.89	82.0%	95	219	-56.9%
FREIGHT MARKETS	0	0	-	0	-	0	0	-100.0%
HEATING OIL CRK SPD AVG PRICE	0	0	-	0	-	0	0	-
HEATING OIL PHY	663	462.74	43.4%	943	-29.7%	766	804	-4.7%
HENRY HUB FINANCIAL LAST	460	342.17	34.3%	953	-51.8%	805	346	132.5%
HO 1 MONTH CLNDR OPTIONS	46	10.87	320.0%	115.79	-60.6%	67	11	492.9%
LLS CRUDE OIL	0	0	-	0	-	29	19	50.0%
MCCLOSKEY ARA ARGS COAL	0	0	-	0	-	0	0	-
NATURAL GAS	0	9.91	-100.0%	5.26	-100.0%	2	54	-97.0%
NATURAL GAS 1 M CSO FIN	1,467	1,369.57	7.1%	4,997.58	-70.6%	3,959	7,142	-44.6%
NATURAL GAS 2 M CSO FIN	0	0	-	0	-	0	0	-
NATURAL GAS 3 M CSO FIN	3,691	1,093.48	237.6%	3,078.95	19.9%	2,405	1,308	83.8%
NATURAL GAS 5 M CSO FIN	278	454.35	-38.8%	78.95	252.5%	127	538	-76.3%
NATURAL GAS 6 M CSO FIN	777	808.7	-3.9%	1,178.95	-34.1%	1,052	1,087	-3.2%
NATURAL GAS OPT	0	86.96	-100.0%	0	-	0	46	-100.0%
NATURAL GAS OPTION ON CALEND	0	0	-	0	-	0	10	-100.0%
NATURAL GAS PHY	119,907	99,983.04	19.9%	135,614.95	-11.6%	121,704	108,330	12.3%
NY HARBOR HEAT OIL SWP	285	72.91	291.4%	43.26	559.7%	135	89	52.6%
PETROCHEMICALS	0	13.48	-100.0%	2.53	-100.0%	5	8	-36.7%
PETRO OUTRIGHT NA	0	2.61	-100.0%	0	-	0	6	-100.0%
PJM WES HUB PEAK CAL MTH	0	0	-	0	-	0	0	-
RBOB 1MO CAL SPD OPTIONS	0	0	-	0	-	0	0	-
RBOB CALENDAR SWAP	0	1.7	-100.0%	0	-	0	2	-100.0%
RBOB PHY	239	115.57	106.9%	148.95	60.5%	154	170	-9.4%
SHORT TERM	11	8.7	25.0%	0	-	8	10	-16.7%
SHORT TERM NATURAL GAS	250	23.91	945.5%	28.95	763.6%	116	17	585.7%
WTI-BRENT BULLET SWAP	685	1,548.91	-55.8%	151.32	352.6%	617	1,625	-62.0%
WTI CRUDE OIL 1 M CSO FI	2,750	1,845.65	49.0%	1,305.26	110.7%	2,135	1,877	13.7%

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Metals Futures								
ALUMINUM	3,898	876.26	344.9%	3,636.47	7.2%	3,962	1,188	233.6%
COBALT METAL FUTURES	115	2.83	3955.4%	144.11	-20.5%	169	20	741.4%
COMEX COPPER	97,131	70,040.09	38.7%	133,057.84	-27.0%	108,848	85,668	27.1%
COMEX E-Mini GOLD	2,490	1,999.96	24.5%	1,952.68	27.5%	2,237	1,645	36.0%
COMEX E-Mini SILVER	348	204.61	70.0%	285.42	21.9%	336	211	59.3%
COMEX GOLD	307,648	274,389.13	12.1%	192,066.26	60.2%	258,297	263,430	-1.9%
COMEX MINY COPPER	336	171.43	96.2%	342.11	-1.7%	298	176	69.1%
COMEX SILVER	66,036	62,638.61	5.4%	85,903.21	-23.1%	72,856	69,864	4.3%
COPPER	5,437	47.87	11256.9%	5,975.58	-9.0%	5,662	111	4991.5%
FERROUS PRODUCTS	47	83.74	-43.5%	95.84	-50.6%	69	150	-54.1%
GOLD	47	613.91	-92.4%	11.79	296.8%	21	644	-96.7%
HOT ROLLED COIL STEEL FUTURES	195	136.61	42.5%	448.74	-56.6%	376	103	265.8%
IRON ORE CHINA	2	32.39	-93.8%	18.16	-89.0%	13	63	-79.5%
METALS	36	0	-	89	-59.2%	42	17	146.7%
MICRO GOLD	75,540	89,611.26	-15.7%	66,801.42	13.1%	68,700	63,974	7.4%
NYMEX HOT ROLLED STEEL	1,447	1,634.96	-11.5%	2,255.58	-35.9%	1,663	1,382	20.4%
NYMEX PLATINUM	26,047	25,749.39	1.2%	24,799.47	5.0%	23,521	21,849	7.7%
PALLADIUM	1,953	2,242.35	-12.9%	5,383.37	-63.7%	3,088	2,885	7.0%
SILVER	10,564	11,398.57	-7.3%	10,828.11	-2.4%	10,922	9,087	20.2%
URANIUM	0	0.74	-100.0%	0	-	0	0	-100.0%
Metals Options								
ALUMINUM	47	0	-	23.95	97.7%	35	0	-
COMEX COPPER	6,572	3,343.43	96.6%	9,000.74	-27.0%	8,348	3,258	156.3%
COMEX GOLD	66,107	57,506.17	15.0%	46,366.53	42.6%	54,026	49,319	9.5%
COMEX SILVER	8,638	6,593.61	31.0%	8,284.16	4.3%	8,303	5,638	47.3%
COPPER	517	19.65	2532.1%	802.53	-35.5%	562	20	2674.0%
GOLD	16,137	12,729.52	26.8%	13,589.42	18.7%	14,721	10,997	33.9%
IRON ORE CHINA	0	0	-	0	-	0	0	-
NYMEX HOT ROLLED STEEL	58	66.3	-12.1%	214.47	-72.8%	149	101	47.4%
NYMEX PLATINUM	494	162.43	204.3%	871.84	-43.3%	487	357	36.5%
PALLADIUM	55	0.78	6927.9%	76.05	-27.7%	52	1	6631.2%
SILVER	1,833	859.3	113.4%	1,618	13.3%	1,847	1,112	66.1%
Foreign Exchange Futures								
CHILEAN PESO	0	0	-	0	-	0	0	-87.0%

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Foreign Exchange Options								
AUD/USD WKLY WED OPTIONS - WK	2	0.48	336.3%	0.79	164.3%	9	31	-71.8%
OTC AUDUSD SUB	54	0	-	50.32	7.7%	51	0	-
OTC EURUSD SUB	318	0	-	272.37	16.7%	218	0	-
OTC GBPUSD SUB	35	0	-	114.05	-69.6%	74	0	-
OTC USDCAD SUB	317	0	-	79.95	296.1%	151	0	-
OTC USDJPY SUB	64	0	-	55.95	14.7%	55	0	-
Ags Futures								
FERTILIZER PRODUCTS	79	153.48	-48.4%	114.05	-30.6%	96	182	-47.2%

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	ADV MAR 2023	ADV MAR 2022	% CHG	ADV FEB 2023	% CHG	ADV Y.T.D 2023	ADV Y.T.D 2022	% CHG
Ag Products Futures								
BLOCK CHEESE	21	12.78	67.0%	16.63	28.4%	16	24	-35.6%
BUTTER CS	163	185.91	-12.4%	188.95	-13.8%	172	255	-32.4%
CASH-SETTLED CHEESE	600	521.04	15.2%	557.68	7.6%	581	529	9.9%
CATTLE	72,208	66,928.39	7.9%	54,196.63	33.2%	66,570	65,696	1.3%
CDD SEASONAL STRIP	107	34.78	206.2%	0	-	40	17	133.3%
CDD WEATHER	0	86.96	-100.0%	0	-	0	32	-100.0%
CHI WHEAT	107,816	127,425.13	-15.4%	140,284	-23.1%	108,537	129,329	-16.1%
CLASS IV MILK	24	70.22	-65.8%	31.26	-23.1%	35	141	-75.1%
CORN	318,006	312,424.78	1.8%	381,000.79	-16.5%	326,363	367,441	-11.2%
DJ_UBS ROLL SELECT INDEX FUTU	989	1,025.61	-3.6%	4.84	20321.4%	409	395	3.5%
DOW-UBS COMMOD INDEX	5,830	5,084.09	14.7%	2,101.32	177.4%	3,429	3,257	5.3%
DOW-UBS COMMOD INDEX SWAP	1,380	0	-	0	-	721	0	-
DRY WHEY	59	42.52	38.2%	47.05	24.9%	51	52	-1.4%
FEEDER CATTLE	19,100	12,818	49.0%	16,370.79	16.7%	16,495	13,073	26.2%
GOLDMAN SACHS	132	230.57	-42.8%	124.42	6.0%	130	195	-33.0%
GSCI EXCESS RETURN FUT	3,333	6,085.04	-45.2%	112.89	2851.9%	1,284	2,487	-48.4%
HDD EURO SEASONAL STRIP	0	0	-	0	-	0	0	-
HDD SEASONAL STRIP	0	0	-	0	-	0	0	-
HDD WEATHER	0	0	-	60.53	-100.0%	32	129	-75.0%
HDD WEATHER EUROPEAN	0	28.26	-100.0%	0	-	121	63	93.5%
HOGS	58,447	46,181.7	26.6%	45,018.47	29.8%	51,864	50,095	3.5%
HOUSING INDEX	1	0.57	38.4%	1.21	-35.3%	1	1	26.2%
KC WHEAT	39,791	45,877.3	-13.3%	57,952.84	-31.3%	44,586	54,538	-18.2%
LUMBER	601	340.43	76.6%	653.74	-8.0%	625	424	47.3%
MALAYSIAN PALM SWAP	0	0	-	0	-	0	0	-
MILK	1,326	1,596.74	-16.9%	1,139.53	16.4%	1,287	1,589	-19.0%
MINI CORN	1,279	4,888.04	-73.8%	989.95	29.2%	1,135	3,645	-68.9%
MINI SOYBEAN	1,971	3,252.7	-39.4%	1,816.16	8.5%	1,845	3,797	-51.4%
MINI WHEAT	1,187	1,979.65	-40.0%	1,233.74	-3.8%	1,091	1,667	-34.5%
MLK MID OPTIONS	0	0	-	0	-	0	0	-
NFD MILK	272	299.39	-9.0%	285.58	-4.6%	298	360	-17.0%
OATS	549	320.26	71.5%	656.95	-16.4%	542	512	5.8%
OTC SP GSCI ER SWAP	258	0	-	1,708.68	-84.9%	874	0	-
PACIFIC RIM DAT SS WTHR	0	0	-	0	-	0	0	-
PORK CUTOUT	56	145.74	-61.4%	63.21	-10.9%	57	134	-57.4%
ROUGH RICE	721	675.96	6.7%	1,366.26	-47.2%	865	881	-1.7%
SOYBEAN	231,212	164,260.48	40.8%	283,786.79	-18.5%	239,511	232,776	2.9%
SOYBEAN MEAL	129,376	80,446.26	60.8%	141,002.58	-8.2%	127,422	111,541	14.2%
SOYBEAN OIL	139,943	88,556.39	58.0%	154,817.63	-9.6%	136,617	111,559	22.5%
S&P GSCI ENHANCED ER SWAP	0	0	-	0	-	0	0	-
USD CRUDE PALM OIL	1,567	1,408.26	11.3%	1,573.42	-0.4%	1,500	1,103	36.0%
WHEAT	49	543.65	-91.0%	55.26	-11.9%	57	871	-93.5%

Ag Products Options

AUG-NOV SOYBEAN CAL SPRD	0	0	-	0	-	0	0	-
BLOCK CHEESE	14	10.43	32.5%	8.58	61.2%	8	10	-16.7%
BUTTER CS	105	59.17	77.1%	80.42	30.3%	87	73	19.2%

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Ag Products Options								
CASH-SETTLED CHEESE	307	457.91	-33.0%	231.68	32.4%	275	493	-44.2%
CATTLE	15,878	10,186.3	55.9%	11,980.63	32.5%	12,954	9,931	30.4%
CDD SEASONAL STRIP	130	217.39	-40.0%	947.37	-86.2%	339	89	281.8%
CDD WEATHER	261	0	-	2,526.32	-89.7%	871	0	-
CHI WHEAT	32,546	34,452.3	-5.5%	37,145.26	-12.4%	30,259	36,695	-17.5%
CLASS IV MILK	315	256.39	22.9%	335.79	-6.2%	339	333	1.8%
CORN	105,222	150,395.65	-30.0%	78,613.74	33.8%	91,226	129,062	-29.3%
CORN NEARBY+2 CAL SPRD	1,488	1,741.13	-14.6%	774.26	92.1%	1,054	1,506	-30.0%
DEC-JULY CORN CAL SPRD	5	47.83	-90.0%	0	-	2	37	-95.2%
DEC-JULY WHEAT CAL SPRD	0	0	-	11.58	-100.0%	4	0	-
DRY WHEY	2	109.3	-98.6%	0.26	478.2%	1	41	-97.5%
FEEDER CATTLE	3,685	1,738	112.0%	2,501.84	47.3%	2,948	1,661	77.5%
HDD EURO SEASONAL STRIP	0	0	-	0	-	0	0	-
HDD SEASONAL STRIP	0	0	-	0	-	0	0	-
HDD WEATHER	0	86.96	-100.0%	605.26	-100.0%	479	77	518.8%
HDD WEATHER EUROPEAN	0	0	-	526.32	-100.0%	323	16	1900.0%
HOGS	15,076	11,311.17	33.3%	12,756.68	18.2%	13,741	12,754	7.7%
JAN-MAY SOYBEAN CAL SPRD	0	0	-	0	-	0	0	-
JULY-DEC CORN CAL SPRD	609	395.83	53.7%	432.53	40.7%	464	486	-4.6%
JULY-DEC SOYMEAL CAL SPRD	34	0	-	0	-	13	0	-
JULY-DEC SOY OIL CAL SPRD	3	0	-	0	-	28	0	-
JULY-DEC WHEAT CAL SPRD	0	54.35	-100.0%	0	-	0	52	-100.0%
JULY-JULY WHEAT CAL SPRD	0	0.04	899.5%	0	-	0	0	901.9%
JULY-NOV SOYBEAN CAL SPRD	678	201.78	236.2%	601.74	12.7%	619	238	160.0%
KC WHEAT	3,397	2,605	30.4%	2,896	17.3%	2,945	4,518	-34.8%
LUMBER	8	19.87	-58.2%	12.16	-31.7%	12	28	-56.4%
LV CATL CSO	0	0	-	0.26	-100.0%	0	0	-
MAR-JULY CORN CAL SPRD	0	0	-	198.42	-100.0%	155	154	0.6%
MAR-JULY SOYBEAN CAL SPRD	0	0	-	0	-	0	0	-
MAR-JULY WHEAT CAL SPRD	0	0	-	0	-	0	2	-100.0%
MILK	1,325	1,003.65	32.0%	967.89	36.9%	1,159	937	23.8%
MLK MID OPTIONS	0	1	-91.3%	0.32	-72.5%	0	1	-70.3%
NFD MILK	220	251.26	-12.3%	269.95	-18.3%	246	255	-3.5%
NOV-JULY SOYBEAN CAL SPRD	0	0	-	0	-	0	10	-100.0%
NOV-MAR SOYBEAN CSO	0	0	-	0.53	-58.7%	0	0	-
OATS	6	16.13	-63.9%	8.68	-32.9%	7	14	-48.9%
PORK CUTOUT	0	1.3	-100.0%	0	-	0	0	-93.3%
ROUGH RICE	85	67.22	26.3%	144.68	-41.3%	96	53	81.4%
SEP-DEC SOYBEAN MEAL CSO	0	0	-	0	-	0	0	-
SOYBEAN	74,237	70,756.43	4.9%	49,425.11	50.2%	60,847	94,579	-35.7%
SOYBEAN CRUSH	0	0.87	-100.0%	0	-	0	1	-87.8%
SOYBEAN MEAL	20,091	10,586.83	89.8%	18,982.84	5.8%	18,421	14,343	28.4%
SOYBEAN OIL	13,025	11,412.65	14.1%	14,960.53	-12.9%	12,343	12,580	-1.9%
SOYBN NEARBY+2 CAL SPRD	154	212.61	-27.5%	26.32	485.9%	129	148	-13.2%
SOYMEAL NEARBY+2 CAL SPRD	0	30.43	-100.0%	54.21	-100.0%	36	11	218.6%
SOY OIL NEARBY+2 CAL SPRD	3	0	-	3.95	-17.4%	3	0	-
WHEAT	113	3.17	3467.0%	130.05	-12.9%	98	19	403.9%
WHEAT-CORN ICSD	0	43.48	-99.5%	10.53	-97.9%	3	16	-79.9%

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Ag Products Options								
WHEAT NEARBY+2 CAL SPRD	22	861.09	-97.5%	52.21	-58.4%	56	367	-84.8%
TOTAL FUTURES GROUP								
Interest Rate Futures	12,245,974	9,139,539.74	34.0%	12,247,212.58	0.0%	10,658,295	9,813,299	8.6%
Equity Index Futures	6,658,904	6,106,159.43	9.1%	5,624,930.58	18.4%	5,960,283	6,743,982	-11.6%
Metals Futures	599,316	541,874.7	10.6%	534,095.16	12.2%	561,080	522,466	7.4%
Energy Futures	1,827,898	2,111,716.22	-13.4%	1,835,255.74	-0.4%	1,821,293	2,220,883	-18.0%
FX Futures	1,161,941	998,172.61	16.4%	806,192.42	44.1%	927,225	862,244	7.5%
Foreign Exchange Futures	0	0	-	0	-	0	0	-87.0%
Ags Futures	79	153.48	-48.4%	114.05	-30.6%	96	182	-47.2%
Ag Products Futures	1,138,376	973,777.61	16.9%	1,289,219.79	-11.7%	1,135,164	1,158,607	-2.0%
TOTAL FUTURES	23,632,488	19,871,393.78	18.9%	22,337,020.32	5.8%	21,063,436.14	21,321,663.47	-1.2%
TOTAL OPTIONS GROUP								
Interest Rate Options	4,438,990	2,759,497.87	60.9%	3,949,924.89	12.4%	3,831,676	2,671,170	43.4%
Equity Index Options	1,469,989	1,051,652.09	39.8%	1,316,194	11.7%	1,340,275	1,199,671	11.7%
Metals Options	100,461	81,281.22	23.6%	80,847.68	24.3%	88,530	70,802	25.0%
Energy Options	279,489	299,164.57	-6.6%	267,426.68	4.5%	259,907	293,403	-11.4%
FX Options	49,231	38,600.74	27.5%	40,418.21	21.8%	41,700	41,972	-0.6%
Ag Products Options	289,045	309,594.96	-6.6%	238,224.89	21.3%	252,591	321,593	-21.5%
Foreign Exchange Options	790	0.48	164977.4%	573.42	37.7%	557	31	1694.0%
TOTAL OPTIONS	6,627,994	4,539,791.91	46.0%	5,893,609.79	12.5%	5,815,234.82	4,598,641.57	26.5%
TOTAL COMBINED								
FX	1,211,172	1,036,773.35	16.8%	846,610.63	43.1%	968,925	904,216	7.2%
Equity Index	8,128,893	7,157,811.52	13.6%	6,941,124.58	17.1%	7,300,558	7,943,654	-8.1%
Interest Rate	16,684,964	11,899,037.61	40.2%	16,197,137.47	3.0%	14,489,970	12,484,468	16.1%
Energy	2,107,387	2,410,880.78	-12.6%	2,102,682.42	0.2%	2,081,200	2,514,285	-17.2%
Metals	699,777	623,155.91	12.3%	614,942.84	13.8%	649,610	593,268	9.5%
Foreign Exchange	790	0.48	164977.4%	573.42	37.7%	557	31	1673.0%
Ags	79	153.48	-48.4%	114.05	-30.6%	96	182	-47.2%
Ag Products	1,427,420	1,283,372.57	11.2%	1,527,444.68	-6.5%	1,387,755	1,480,200	-6.2%
GRAND TOTAL	30,260,482	24,411,185.7	24.0%	28,230,630.11	7.2%	26,878,670.96	25,920,305.03	3.7%

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