

**CME Group Exchange ADV Report - Monthly**

August 2022

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	ADV AUG 2022	ADV AUG 2021	% CHG	ADV JUL 2022	% CHG	ADV Y.T.D 2022	ADV Y.T.D 2021	% CHG
<b>FX Futures</b>								
AD/CD CROSS RATES	1	0.91	-18.7%	1.05	-29.6%	3	1	176.5%
AD/JY CROSS RATES	122	92.91	30.8%	147.2	-17.4%	229	111	107.1%
AD/NE CROSS RATES	106	32.59	224.0%	97.2	8.7%	188	13	1338.9%
AUSTRALIAN DOLLAR	87,592	75,013.32	16.8%	99,184.05	-11.7%	97,935	97,916	0.0%
BP/JY CROSS RATES	121	110.23	10.1%	117.2	3.5%	209	130	61.3%
BP/SF CROSS RATES	83	45.59	81.1%	46.8	76.4%	104	44	137.0%
BRAZIL REAL	12,112	12,866.77	-5.9%	11,970.65	1.2%	15,599	12,619	23.6%
BRITISH POUND	105,525	72,241.59	46.1%	113,991.5	-7.4%	113,030	92,473	22.2%
CANADIAN DOLLAR	77,300	68,333.95	13.1%	94,174.2	-17.9%	85,901	78,376	9.6%
CD/JY CROSS RATES	0	11.5	-98.9%	0.2	-34.8%	4	11	-67.2%
CHINESE RENMINBI (CNH)	1,079	707.45	52.6%	989.35	9.1%	1,221	779	56.7%
CZECK KORUNA (EC)	0	0	-	0.05	-100.0%	0	0	412.5%
CZECK KORUNA (US)	3	0	-	0	-	0	0	1502.3%
EC/AD CROSS RATES	176	108.05	63.3%	153.75	14.8%	244	225	8.2%
EC/CD CROSS RATES	187	119.95	55.8%	354	-47.2%	385	297	29.6%
EC/NOK CROSS RATES	69	9.23	651.6%	88.1	-21.3%	72	35	104.6%
EC/SEK CROSS RATES	284	4.59	6085.2%	405.4	-30.0%	166	27	503.8%
EFX/BP CROSS RATES	2,719	1,361.27	99.8%	3,483.6	-21.9%	4,242	2,448	73.3%
EFX/JY CROSS RATES	1,235	776.41	59.1%	2,001.3	-38.3%	2,710	1,789	51.5%
EFX/SF CROSS RATES	973	723.41	34.5%	1,187	-18.0%	1,984	1,054	88.2%
E-MICRO USD/CAD	2	4.55	-52.2%	4.65	-53.2%	10	2	588.5%
E-MICRO USD/CHF	1	0.77	85.7%	2.1	-31.7%	4	0	2120.1%
E-MICRO USD/JPY	105	0.41	25523.6%	2,196.2	-95.2%	888	0	1647928.6%
E-MINI EURO FX	7,367	3,471.36	112.2%	8,503.6	-13.4%	6,859	5,942	15.4%
E-MINI JAPANESE YEN	767	414.32	85.2%	520.5	47.4%	498	431	15.6%
EURO FX	218,188	132,064.5	65.2%	239,919.15	-9.1%	227,222	189,381	20.0%
HUNGARIAN FORINT (EC)	0	0.36	-100.0%	0	-	0	0	77.7%
HUNGARIAN FORINT (US)	0	0.5	-82.6%	0.05	74.0%	0	1	-72.3%
INDIAN RUPEE	1,362	463.77	193.7%	1,633.45	-16.6%	1,114	668	66.9%
JAPANESE YEN	159,654	89,040.73	79.3%	154,046.85	3.6%	145,485	102,281	42.2%
KOREAN WON	11	55.82	-79.6%	14.4	-20.9%	26	95	-72.4%
MEXICAN PESO	45,862	44,083.73	4.0%	52,466.6	-12.6%	53,830	51,932	3.7%
MICRO AUD/USD	10,499	7,553.64	39.0%	10,722.1	-2.1%	12,441	10,094	23.3%
MICRO CAD/USD	2,168	2,729.14	-20.6%	2,809.9	-22.8%	2,744	2,617	4.9%
MICRO CHF/USD	768	320.18	139.8%	1,275.95	-39.8%	790	418	88.9%
MICRO EUR/USD	36,259	17,220.68	110.6%	46,141.45	-21.4%	35,780	23,452	52.6%
MICRO GBP/USD	4,800	2,938.32	63.4%	5,561.5	-13.7%	4,704	3,459	36.0%
MICRO INR/USD	19	51.36	-63.3%	25.65	-26.6%	35	89	-60.6%
MICRO JPY/USD	0	1,444.73	-100.0%	0	-	609	1,560	-61.0%
MICRO USD/CNH	0	0	-	0	-	0	0	-94.4%
NEW ZEALND DOLLAR	29,414	27,901.55	5.4%	28,507.25	3.2%	29,222	28,757	1.6%
NKR/USD CROSS RATE	137	169.36	-19.2%	82.7	65.6%	154	274	-44.0%
POLISH ZLOTY (EC)	1	1.45	-46.2%	0.65	20.4%	6	6	4.1%
POLISH ZLOTY (US)	23	16.5	38.1%	56.1	-59.4%	65	40	60.7%
RMB USD	0	0.05	282.2%	0.25	-30.4%	0	0	532.2%
RUSSIAN RUBLE	3	4,679.23	-99.9%	5.4	-37.2%	3,517	4,748	-25.9%
S.AFRICAN RAND	3,123	2,997.18	4.2%	5,099.4	-38.8%	4,581	2,687	70.5%
SF/JY CROSS RATES	15	1.73	755.8%	42.15	-64.9%	41	3	1499.3%
SHEKEL	0	0.05	855.6%	0.9	-51.7%	1	0	575.1%

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<b>FX Futures</b>								
SKR/USD CROSS RATES	202	298.77	-32.4%	202.65	-0.3%	352	266	32.3%
SWISS FRANC	23,696	19,884.77	19.2%	27,502.7	-13.8%	25,382	22,899	10.8%
TURKISH LIRA	0	4.32	-100.0%	1.7	-100.0%	2	4	-58.5%
USDZAR	0	0.18	-100.0%	0	-	0	0	-51.6%
<b>FX Options</b>								
AUD/USD MONDAY OPTION WEEK1	0	0.18	-76.1%	1.45	-97.0%	10	17	-39.9%
AUD/USD MONDAY OPTION WEEK2	4	13.64	-68.4%	1.9	126.5%	19	18	8.9%
AUD/USD MONDAY OPTION WEEK3	9	11.32	-20.1%	0.4	2160.9%	13	21	-35.9%
AUD/USD MONDAY OPTION WEEK4	4	26.64	-86.0%	24.4	-84.7%	17	22	-20.1%
AUD/USD MONDAY OPTION WEEK5	19	61.23	-68.8%	0	-	7	8	-11.1%
AUD/USD MONTHLY OPTIONS	2,652	4,456.5	-40.5%	3,247.9	-18.3%	4,205	3,884	8.3%
AUD/USD WKLY FRIDAY OPTIONS -	73	10.64	586.7%	1.65	4326.9%	32	25	25.3%
AUD/USD WKLY FRIDAY OPTIONS -	30	111.64	-73.2%	32.3	-7.3%	77	79	-2.3%
AUD/USD WKLY FRIDAY OPTIONS -	71	94.18	-25.1%	130.9	-46.1%	114	125	-8.3%
AUD/USD WKLY FRIDAY OPTIONS -	95	89.32	6.2%	70.85	33.8%	88	136	-35.3%
AUD/USD WKLY FRIDAY OPTIONS -	13	0	-	97.6	-86.3%	29	29	-0.6%
AUD/USD WKLY WED OPTIONS - WK	6	61.82	-90.8%	1.75	225.5%	35	57	-39.0%
AUD/USD WKLY WED OPTIONS - WK	21	30.36	-30.8%	14.2	47.9%	24	36	-34.1%
AUD/USD WKLY WED OPTIONS - WK	2	2.68	-10.8%	5.55	-56.9%	12	16	-25.4%
AUD/USD WKLY WED OPTIONS - WK	15	8.86	70.2%	23.7	-36.3%	27	45	-40.3%
AUD/USD WKLY WED OPTIONS - WK	14	0	-	0	-	3	8	-58.9%
BRL/USD MONTHLY OPTIONS	16	15.09	5.2%	14.3	11.0%	16	16	5.7%
CAD/USD MONDAY OPTIONS WEEK1	0	0	-	9.7	-100.0%	8	36	-78.4%
CAD/USD MONDAY OPTIONS WEEK2	47	50.82	-7.8%	35.75	31.1%	57	63	-9.2%
CAD/USD MONDAY OPTIONS WEEK3	73	39	87.6%	59.9	22.2%	46	23	97.6%
CAD/USD MONDAY OPTIONS WEEK4	39	181.36	-78.4%	15.9	145.8%	37	85	-56.3%
CAD/USD MONDAY OPTIONS WEEK5	12	115.23	-89.5%	0	-	9	19	-51.2%
CAD/USD MONTHLY OPTIONS	3,730	5,409.55	-31.1%	3,942.8	-5.4%	4,505	3,479	29.5%
CAD/USD WKLY FRIDAY OPTIONS -	184	1.45	12583.3%	0.7	26254.0%	75	90	-16.6%
CAD/USD WKLY FRIDAY OPTIONS -	153	297.68	-48.8%	98.55	54.8%	173	222	-22.1%
CAD/USD WKLY FRIDAY OPTIONS -	235	380.18	-38.1%	380.85	-38.2%	285	332	-14.3%
CAD/USD WKLY FRIDAY OPTIONS -	108	568.09	-81.0%	110.35	-1.9%	228	372	-38.8%
CAD/USD WKLY FRIDAY OPTIONS -	0	0	-	277.05	-100.0%	61	93	-34.9%
CAD/USD WKLY WED OPTIONS - WK	78	160.91	-51.5%	18.5	321.9%	48	77	-37.6%
CAD/USD WKLY WED OPTIONS - WK	97	159.59	-39.2%	99.5	-2.6%	65	93	-30.5%
CAD/USD WKLY WED OPTIONS - WK	70	66.5	5.1%	44.35	57.6%	70	80	-11.5%
CAD/USD WKLY WED OPTIONS - WK	18	53.59	-67.0%	59.55	-70.3%	81	75	8.2%
CAD/USD WKLY WED OPTIONS - WK	16	0	-	0	-	27	19	38.0%
CHF/USD MONTHLY OPTIONS	122	219.77	-44.7%	211.4	-42.5%	242	225	7.2%
CHF/USD WKLY FRIDAY OPTIONS -	18	3.77	377.1%	0.1	17900.0%	6	2	228.6%
CHF/USD WKLY FRIDAY OPTIONS -	1	19	-93.6%	0.05	2334.8%	5	13	-60.6%
CHF/USD WKLY FRIDAY OPTIONS -	5	5.91	-23.5%	19.65	-77.0%	6	9	-37.6%
CHF/USD WKLY FRIDAY OPTIONS -	1	1.64	-22.9%	2.35	-46.3%	6	14	-56.0%
CHF/USD WKLY FRIDAY OPTIONS -	0	0	-	3.4	-98.7%	0	1	-65.1%
EUR/GBP MONTHLY OPTIONS	0	0	-	0	-	22	0	-
EUR/GBP WKLY FRIDAY OPTIONS -	0	0	-	0	-	0	0	-

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<b>FX Options</b>								
EUR/USD MONDAY OPTION WEEK1	27	3.91	584.0%	59.2	-54.8%	72	101	-28.8%
EUR/USD MONDAY OPTION WEEK2	72	62.95	13.9%	42.75	67.7%	127	78	63.0%
EUR/USD MONDAY OPTION WEEK3	5	159.91	-96.6%	81.7	-93.4%	45	70	-35.7%
EUR/USD MONDAY OPTION WEEK4	20	76.45	-73.4%	70.85	-71.3%	143	125	14.8%
EUR/USD MONDAY OPTION WEEK5	61	198.09	-69.3%	0	-	25	36	-28.4%
EUR/USD MONTHLY OPTIONS	9,040	8,319.86	8.7%	15,218.5	-40.6%	11,922	9,963	19.7%
EUR/USD WKLY FRIDAY OPTIONS -	486	6.95	6883.9%	16.05	2926.1%	303	190	59.5%
EUR/USD WKLY FRIDAY OPTIONS -	394	699.82	-43.7%	231	70.5%	710	659	7.9%
EUR/USD WKLY FRIDAY OPTIONS -	779	839.05	-7.2%	670.95	16.1%	796	952	-16.4%
EUR/USD WKLY FRIDAY OPTIONS -	721	755.14	-4.5%	783.95	-8.0%	951	868	9.6%
EUR/USD WKLY FRIDAY OPTIONS -	1	0	-	1,128.1	-99.9%	261	349	-25.1%
EUR/USD WKLY WED OPTIONS - WK	180	290.45	-38.0%	337.75	-46.7%	281	326	-13.8%
EUR/USD WKLY WED OPTIONS - WK	234	275.45	-15.0%	378.95	-38.2%	249	364	-31.5%
EUR/USD WKLY WED OPTIONS - WK	206	318.45	-35.3%	231.6	-11.1%	257	359	-28.3%
EUR/USD WKLY WED OPTIONS - WK	308	368.32	-16.4%	360.75	-14.7%	307	438	-29.7%
EUR/USD WKLY WED OPTIONS - WK	354	0	-	0	-	128	76	69.7%
GBP/USD MONDAY OPTION WEEK1	0	0	-	57.05	-99.9%	25	19	32.3%
GBP/USD MONDAY OPTION WEEK2	67	26.68	150.6%	31	115.7%	53	38	41.3%
GBP/USD MONDAY OPTION WEEK3	4	8.18	-52.7%	4.1	-5.6%	13	11	15.1%
GBP/USD MONDAY OPTION WEEK4	6	67.41	-91.0%	42.4	-85.7%	24	28	-15.5%
GBP/USD MONDAY OPTION WEEK5	49	11.55	321.4%	0	-	9	15	-39.7%
GBP/USD MONTHLY OPTIONS	3,578	2,608.05	37.2%	3,969.5	-9.9%	3,694	3,507	5.3%
GBP/USD WKLY FRIDAY OPTIONS -	152	3.18	4675.8%	0.75	20160.9%	53	49	9.2%
GBP/USD WKLY FRIDAY OPTIONS -	146	170.86	-14.7%	102.75	41.9%	121	122	-1.0%
GBP/USD WKLY FRIDAY OPTIONS -	118	101.86	15.7%	130.75	-9.9%	163	149	9.4%
GBP/USD WKLY FRIDAY OPTIONS -	110	66.32	65.4%	63.95	71.5%	130	171	-23.8%
GBP/USD WKLY FRIDAY OPTIONS -	32	0	-	72.9	-56.7%	49	49	-0.1%
GBP/USD WKLY WED OPTIONS - WK	18	29.59	-38.4%	69.45	-73.8%	58	59	-2.7%
GBP/USD WKLY WED OPTIONS - WK	17	4.91	255.2%	24.15	-27.8%	23	34	-31.0%
GBP/USD WKLY WED OPTIONS - WK	4	36.77	-88.4%	12.2	-65.1%	47	34	39.2%
GBP/USD WKLY WED OPTIONS - WK	42	23.73	75.7%	94.05	-55.7%	58	53	9.2%
GBP/USD WKLY WED OPTIONS - WK	8	0	-	0	-	4	11	-64.8%
JPY/USD MONDAY OPTION WEEK1	0	0	-	38.35	-99.5%	17	19	-6.3%
JPY/USD MONDAY OPTION WEEK2	56	62.55	-9.9%	34.4	63.8%	47	26	81.3%
JPY/USD MONDAY OPTION WEEK3	34	39.95	-15.6%	17.6	91.7%	17	21	-20.3%
JPY/USD MONDAY OPTION WEEK4	37	16.77	121.1%	50.25	-26.2%	48	11	318.1%
JPY/USD MONDAY OPTION WEEK5	9	108.36	-92.1%	0	-	1	16	-90.8%
JPY/USD MONTHLY OPTIONS	4,180	3,511.32	19.0%	7,248.2	-42.3%	7,317	4,054	80.5%
JPY/USD WKLY FRIDAY OPTIONS -	321	0.45	70498.4%	0.8	40008.7%	194	129	50.3%
JPY/USD WKLY FRIDAY OPTIONS -	366	375.32	-2.5%	155.95	134.6%	403	267	50.9%
JPY/USD WKLY FRIDAY OPTIONS -	388	336.32	15.5%	570.8	-31.9%	555	456	21.6%
JPY/USD WKLY FRIDAY OPTIONS -	421	566.09	-25.7%	669.7	-37.2%	524	423	24.1%
JPY/USD WKLY FRIDAY OPTIONS -	5	0	-	624.55	-99.1%	176	150	17.3%
JPY/USD WKLY WED OPTIONS - WK	89	123.14	-27.8%	204.7	-56.6%	153	120	28.0%
JPY/USD WKLY WED OPTIONS - WK	132	144.82	-8.7%	209.55	-36.9%	149	166	-10.2%
JPY/USD WKLY WED OPTIONS - WK	192	136.45	40.6%	188.3	1.9%	138	170	-18.8%
JPY/USD WKLY WED OPTIONS - WK	110	151.64	-27.5%	351.85	-68.8%	190	137	38.4%
JPY/USD WKLY WED OPTIONS - WK	193	0	-	0	-	72	45	59.2%

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<b>FX Options</b>								
MXN/USD MONTHLY OPTIONS	294	41.95	601.3%	4.45	6511.6%	85	47	78.9%
MXN/USD WKLY FRIDAY OPTIONS -	0	0	-	0	-	0	4	-97.2%
MXN/USD WKLY FRIDAY OPTIONS -	0	0	-	0	-	0	3	-100.0%
MXN/USD WKLY FRIDAY OPTIONS -	0	0	-	0	-	0	2	-100.0%
NZD/USD MONTHLY OPTIONS	7	1.91	271.2%	0.15	4624.7%	44	9	394.9%
NZD/USD WKLY FRIDAY OPTIONS -	0	0.55	-100.0%	0	-	0	0	-100.0%
RUB/USD MONTHLY OPTIONS	0	0	-	0	-	0	0	-100.0%
<b>Equity Index Futures</b>								
BITCOIN	9,705	6,462.32	50.2%	12,321.5	-21.2%	10,093	10,330	-2.3%
DJ US REAL ESTATE SECTOR	1,962	1,668.73	17.6%	2,488.15	-21.1%	3,292	2,397	37.4%
E-mini (\$5) Dow	164,350	135,173.86	21.6%	165,943.3	-1.0%	206,087	170,554	20.8%
E-mini FTSE China 50	3	9.59	-71.0%	8.85	-68.6%	41	2	1890.0%
E-MINI MIDCAP	10,919	8,750.95	24.8%	11,882.75	-8.1%	15,822	11,867	33.3%
E-MINI NASDAQ 100	609,672	476,400.82	28.0%	615,382.95	-0.9%	694,466	537,619	29.2%
E-MINI RUSSELL 1000	47	337.5	-86.2%	369.25	-87.3%	630	408	54.6%
E-MINI RUSSELL 1000 GROWTH	142	64.68	119.9%	106.7	33.3%	386	212	81.7%
E-MINI RUSSELL 1000 VALUE	281	154.95	81.6%	473.4	-40.6%	1,135	1,244	-8.8%
E-MINI RUSSELL 2000	182,541	167,349.55	9.1%	181,764	0.4%	237,745	195,088	21.9%
E-MINI S&P500	1,680,573	1,139,040.27	47.5%	1,707,540.35	-1.6%	1,900,575	1,547,833	22.8%
E-MINI S&P500 ESG	649	283.27	129.0%	511.75	26.8%	1,399	807	73.5%
ETHER	0	0	-	0	-	0	0	-
ETHER FUTURES	6,186	4,328	42.9%	7,920.45	-21.9%	6,168	2,577	139.4%
FT-SE 100	3	0	-	5.25	-50.3%	8	1	441.1%
FTSE Emerging	0	0	-	0	-	0	0	-100.0%
IBOVESPA INDEX	1	17.77	-92.7%	2.25	-42.0%	3	10	-71.0%
MICRO BITCOIN	8,826	13,436.14	-34.3%	12,917.4	-31.7%	16,570	10,321	60.6%
MICRO E-MINI NASDAQ 100	1,246,405	727,305	71.4%	1,343,246.95	-7.2%	1,503,493	924,354	62.7%
MICRO E-MINI RUSSELL 2000	83,767	125,310.36	-33.2%	96,658.7	-13.3%	140,585	148,693	-5.5%
MICRO E-MINI S&P500	1,138,967	615,800.18	85.0%	1,265,526	-10.0%	1,331,142	847,565	57.1%
MICRO ETHER	17,636	0	-	25,659.3	-31.3%	20,497	0	-
MICRO MINI \$5 DOW	110,709	98,670.23	12.2%	151,576.5	-27.0%	190,046	123,774	53.5%
NASDAQ-100 VOLATILITY	4	0.27	1303.0%	32.35	-88.2%	110	0	29620.8%
NASDAQ BIOTECH SECTOR	4	17.55	-75.2%	3.25	33.8%	8	36	-77.5%
Nearby BTIC+	13	0	-	30	-56.5%	41	2	1806.8%
NIKKEI 225 (\$) STOCK	3,603	4,285.36	-15.9%	3,614.95	-0.3%	5,599	5,796	-3.4%
NIKKEI 225 (YEN) STOCK	25,159	22,872.95	10.0%	29,952.85	-16.0%	37,663	29,824	26.3%
PHLX SEMICONDUCTOR SECTOR	1	0	-	0	-	0	0	-
S&P 500	1,344	3,347.32	-59.8%	1,708.2	-21.3%	3,337	5,620	-40.6%
S&P 500 ANNUAL DIVIDEND INDEX F	1,854	1,316.91	40.8%	3,709.3	-50.0%	3,978	3,080	29.1%
S&P 500 QUARLY DIVIDEND INDEX F	105	43.18	144.3%	362.8	-70.9%	202	97	108.3%
S&P BIOTECHNOLOGY SECTOR	252	0	-	0	-	35	0	-
S&P COMMUNICATION SERVICES S	112	57.36	95.1%	86.2	29.8%	182	172	5.7%
S&P CONSUMER DISCRETIONARY S	315	426.73	-26.3%	485	-35.2%	654	564	15.8%
S&P CONSUMER STAPLES SECTOR	971	1,258.86	-22.9%	565.2	71.7%	1,261	1,579	-20.1%
S&P ENERGY SECTOR	1,945	1,295.86	50.1%	2,227.85	-12.7%	3,175	2,266	40.1%

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	ADV AUG 2022	ADV AUG 2021	% CHG	ADV JUL 2022	% CHG	ADV Y.T.D 2022	ADV Y.T.D 2021	% CHG
<b>Equity Index Futures</b>								
S&P FINANCIAL SECTOR	516	1,036.64	-50.2%	629.7	-18.0%	1,705	3,135	-45.6%
S&P HEALTH CARE SECTOR	497	1,154.73	-57.0%	751.6	-33.9%	1,278	925	38.2%
S&P INDUSTRIAL SECTOR	515	744.5	-30.9%	757.7	-32.1%	1,337	1,181	13.2%
S&P MATERIALS SECTOR	415	427.36	-3.0%	403.55	2.7%	724	637	13.6%
S&P OIL & GAS EXPLORATION AND	136	0	-	0	-	19	0	-
S&P REAL ESTATE SECTOR	80	412.95	-80.6%	124.6	-35.8%	300	430	-30.1%
S&P REGIONAL BANKS SECTOR	12	0	-	0	-	2	0	-
S&P RETAIL SECTOR	78	0	-	0	-	11	0	-
S&P TECHNOLOGY SECTOR	523	356.23	46.7%	596.55	-12.4%	1,075	676	59.0%
S&P UTILITIES SECTOR	1,001	1,482.18	-32.5%	1,035.9	-3.4%	1,677	1,284	30.6%
S&P VALUE INDEX FUTURES	0	0	-	0	-	0	8	-100.0%
WATER INDEX FUTURES	1	3.05	-64.3%	0.55	97.6%	4	6	-36.0%
YEN DENOMINATED TOPIX	111	176.05	-36.8%	4.35	2456.7%	109	82	32.7%
<b>Equity Index Options</b>								
BITCOIN OPTIONS	137	46.91	191.4%	127.5	7.2%	127	66	91.3%
E-mini (\$5) Dow	74	51.86	43.0%	86.95	-14.7%	107	68	59.1%
E-MINI NASDAQ 100	38,890	27,943.77	39.2%	43,734.8	-11.1%	47,141	26,248	79.6%
E-mini Russell 2000	3,446	5,097.73	-32.4%	3,995.15	-13.8%	5,175	4,251	21.7%
E-MINI RUSSELL 2000	1,359	1,522.27	-10.7%	671.75	102.3%	1,549	1,364	13.6%
E-mini S&P 500	455,626	309,848.36	47.0%	477,243	-4.5%	555,736	325,298	70.8%
E-MINI S&P500	519,944	276,541.09	88.0%	465,605.1	11.7%	525,824	274,848	91.3%
EOM S&P 500	0	145.45	-100.0%	0	-	0	114	-100.0%
MICRO BITCOIN	601	0	-	715	-15.9%	330	0	-
Micro E-mini Nasdaq-100	1,443	1,318.59	9.4%	1,477.4	-2.3%	2,128	1,239	71.7%
MICRO E-MINI NASDAQ 100	438	301.5	45.3%	277.35	57.9%	584	255	128.8%
Micro E-mini S&P 500	8,424	6,612.95	27.4%	8,836.9	-4.7%	11,148	6,726	65.7%
MICRO ETHER	5,035	0	-	2,279.1	120.9%	1,308	0	-
S&P 500	0	6,588.14	-100.0%	0	-	0	7,187	-100.0%

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	ADV AUG 2022	ADV AUG 2021	% CHG	ADV JUL 2022	% CHG	ADV Y.T.D 2022	ADV Y.T.D 2021	% CHG
<b>Interest Rate Futures</b>								
10-YR Eris LIBOR	343	322.86	6.3%	390.1	-12.0%	718	490	46.5%
10-YR Eris SOFR	57	0	-	20.85	173.0%	44	1	4827.4%
10-YR MAC LIBOR	255	1,887.91	-86.5%	324.9	-21.4%	1,422	5,173	-72.5%
10-YR NOTE	1,892,105	2,005,321	-5.6%	1,489,468.55	27.0%	1,917,259	1,938,992	-1.1%
10Y YIELD	4,120	5,557	-25.9%	4,886.15	-15.7%	4,714	732	544.0%
15-YR Eris LIBOR	0	0	-	0	-	9	0	-
1-MONTH EURODOLLAR	0	0	-	230.35	-100.0%	430	0	-
1-YR Eris BSBY	13	0	-	15	-13.0%	10	0	-
1-YR Eris SOFR	295	5,639.55	-94.8%	385.55	-23.5%	1,175	3,649	-67.8%
20-YR BOND	171	0	-	182.2	-6.1%	187	0	-
20-YR SWAP RATE	0	0	-	0	-	0	0	-
2-YR Eris LIBOR	852	234.5	263.2%	785.05	8.5%	3,431	605	467.4%
2-YR Eris SOFR	215	100	115.1%	224.35	-4.1%	612	143	329.0%
2-YR NOTE	856,269	580,125.55	47.6%	499,724.55	71.3%	718,838	458,495	56.8%
2Y YIELD	255	221.59	15.0%	317.25	-19.7%	363	29	1144.2%
30-YR BOND	411,021	474,220.73	-13.3%	313,620.75	31.1%	407,748	462,447	-11.8%
30-YR Eris LIBOR	0	0	-	0	-	4	4	0.3%
30-YR SWAP RATE	0	45.91	-100.0%	0	-	26	33	-21.9%
30Y YIELD	300	37.73	694.1%	391.75	-23.5%	489	5	9741.2%
3-YR Eris BSBY	0	0	-	0	-	0	0	-
3-YR Eris LIBOR	207	445.64	-53.5%	328.95	-37.0%	1,240	660	87.9%
3-YR Eris SOFR	228	34.55	561.3%	307.9	-25.8%	249	58	329.2%
3-YR NOTE	15,145	9,528	59.0%	16,780.35	-9.7%	16,796	8,535	96.8%
4-YR Eris LIBOR	173	113.64	52.5%	177.25	-2.2%	362	148	144.0%
4-YR Eris SOFR	69	0	-	5.2	1226.1%	60	22	175.3%
5-YR Eris LIBOR	1,008	523.55	92.6%	1,244.1	-19.0%	2,085	1,419	46.9%
5-YR Eris SOFR	100	29.09	243.5%	208.9	-52.2%	153	15	926.3%
5-YR MAC LIBOR	1,361	1,159.68	17.3%	1,642.2	-17.1%	1,545	2,497	-38.1%
5-YR NOTE	1,519,170	1,298,999.91	16.9%	1,020,572.2	48.9%	1,372,161	1,141,704	20.2%
5Y YIELD	14	124.59	-88.7%	228.75	-93.8%	124	16	658.0%
7-YR Eris LIBOR	151	49.86	202.1%	114.9	31.1%	227	127	79.2%
7-YR Eris SOFR	39	0	-	5.4	618.2%	39	0	-
BSBY 3-MONTH FUTURES	1,489	88.77	1577.4%	1,151.85	29.3%	2,946	12	25091.1%
EURODOLLARS	1,184,297	1,857,781.55	-36.3%	1,283,300.1	-7.7%	1,937,881	2,365,269	-18.1%
FED FUND	268,444	58,026.73	362.6%	343,642.5	-21.9%	343,243	88,152	289.4%
SOFR	1,942,041	125,023.82	1453.3%	1,779,103.1	9.2%	1,530,811	115,612	1224.1%
SONIA	0	1,689.36	-100.0%	2.85	-100.0%	8	4,541	-99.8%
TIIE	7	16.55	-60.6%	3.45	89.0%	5	3	83.5%
Ultra 10-Year Note	409,429	451,302.64	-9.3%	263,169.4	55.6%	392,674	378,360	3.8%
ULTRA T-BOND	308,748	298,334.5	3.5%	145,748.4	111.8%	242,808	236,815	2.5%

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<b>Interest Rate Options</b>								
10-YR NOTE	553,665	612,629.45	-9.6%	647,437.35	-14.5%	650,979	658,617	-1.2%
2-YR NOTE	5,848	786.32	643.8%	6,857.05	-14.7%	2,734	653	318.4%
30-YR BOND	92,577	103,852.09	-10.9%	98,247.8	-5.8%	116,687	130,500	-10.6%
5-YR NOTE	197,553	109,413.36	80.6%	267,752.1	-26.2%	253,912	153,645	65.3%
EURODOLLARS	317,825	120,536.36	163.7%	331,006.95	-4.0%	618,961	191,682	222.9%
EURO MIDCURVE	113,295	693,416.86	-83.7%	139,685.15	-18.9%	366,074	811,638	-54.9%
FED FUND	0	0	-	0.05	-100.0%	0	0	-
SOFR	398,519	2.277534956	0.0%	323,114.8	23.3%	167,436	50	335093.3%
SOFR MIDCURVE	119,777	0	-	62,902.9	90.4%	47,361	0	3181280.6%
Ultra 10-Year Note	0	0	-	0.3	-100.0%	4	0	1524.2%
ULTRA T-BOND	52	49.82	4.2%	53.7	-3.3%	116	31	275.4%
<b>Energy Futures</b>								
AEP-DAYTON HUB DAILY	0	0	-	0	-	0	0	-
ARGUS LLS VS. WTI (ARG) T	430	120.68	256.7%	409	5.2%	293	394	-25.6%
ARGUS PROPAN FAR EST INDE	271	293.91	-7.8%	231.75	17.0%	273	273	-0.3%
ARGUS PROPAN(SAUDI ARAMCO	62	58.23	5.7%	65.3	-5.7%	93	83	12.3%
BRENT BALMO SWAP	0	5.68	-100.0%	0	-	10	6	56.5%
BRENT CALENDAR SWAP	1,104	457.45	141.4%	501.45	120.2%	765	402	90.3%
BRENT FINANCIAL FUTURES	0	0	-	12	-100.0%	1	24	-94.1%
BRENT OIL LAST DAY	57,812	86,751.05	-33.4%	66,063.7	-12.5%	71,890	97,330	-26.1%
CAR VINTAGE	892	701.32	27.2%	1,073.2	-16.8%	758	97	683.1%
CHICAGO ETHANOL SWAP	3,136	3,020.64	3.8%	2,774.6	13.0%	2,866	3,514	-18.4%
CHICAGO ULSD PL VS HO SPR	20	2.05	867.1%	21.25	-6.9%	27	21	31.0%
CHICAGO UNL GAS PL VS RBO	0	0	-	0	-	0	3	-100.0%
CONWAY NATURAL GASOLINE (OPI	35	31.95	8.2%	0	-	15	19	-19.0%
CONWAY NORMAL BUTANE (OPIS) S	5	23.86	-80.0%	27.5	-82.6%	16	13	23.5%
CONWAY PROPANE 5 DECIMALS S	754	814.05	-7.4%	691.25	9.0%	752	664	13.3%
CRUDE OIL	43	22.73	91.3%	0	-	6	22	-73.2%
CRUDE OIL LAST DAY	6	7.09	-17.2%	28.6	-79.5%	18	14	30.1%
CRUDE OIL OUTRIGHTS	4,118	3,030.32	35.9%	2,592.35	58.8%	3,653	3,171	15.2%
CRUDE OIL PHY	892,494	928,638.45	-3.9%	934,819.6	-4.5%	995,952	998,769	-0.3%
CRUDE OIL SPRDS	2,399	914.32	162.4%	2,094.95	14.5%	2,510	1,244	101.8%
CRUDE OIL TRADE AT MARKER SIN	0	0	-	0	-	0	0	-
DAILY PJM	0	0	-	0	-	0	0	-
DATED TO FRONTLINE BRENT	0	0	-	0	-	13	7	82.7%
DIESEL 10P BRG FOB RDM VS	0	0	-	0	-	0	0	-83.4%
DOMINION TRANSMISSION INC	0	0	-	0	-	0	0	-
DUBAI CRUDE OIL CALENDAR	0	0	-	0	-	12	0	-
DUTCH TTF NATURAL GAS CAL MO	7	1,260.86	-99.4%	1.05	595.6%	87	2,373	-96.3%
EAST/WEST FUEL OIL SPREAD	0	0	-	0	-	0	0	-
EIA FLAT TAX ONHWAY DIESE	1	9.64	-90.1%	0	-	5	24	-79.0%
ELEC FINSETTLED	0	0	-	0	-	0	0	-
ELECTRICITY OFF PEAK	0	0	-	0	-	0	0	-
EMMISSIONS	236	0	-	184.75	27.5%	89	0	-
ETHANOL	0	0	-	0	-	0	2	-96.3%

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<b>Energy Futures</b>								
ETHANOL SWAP	4	8.18	-49.5%	6.75	-38.8%	9	7	31.6%
ETHANOL T2 FOB ROTT INCL DUTY	235	135.05	73.8%	62.4	276.1%	147	160	-8.3%
EURO 3.5% FUEL OIL RDAM B	0	0	-	0	-	0	0	-100.0%
EURO GASOIL 10PPM VS ICE	0	1.36	-100.0%	0	-	7	6	18.9%
EUROPE 1% FUEL OIL NWE CA	0	3.27	-100.0%	0	-	0	1	-100.0%
EUROPE 3.5% FUEL OIL MED	0	0	-	0	-	0	0	-100.0%
EUROPE 3.5% FUEL OIL RDAM	0	2.73	-100.0%	0	-	3	2	84.5%
EUROPEAN GASOIL (ICE)	22	0.64	3329.6%	86.9	-74.9%	78	27	192.8%
EUROPEAN NAPHTHA BALMO	0	0	-	0.35	-37.9%	1	0	684.7%
EUROPEAN NAPHTHA CRACK SPR	80	159.95	-50.2%	42.15	89.1%	116	57	104.9%
EUROPE DATED BRENT SWAP	0	0	-	0	-	0	4	-100.0%
EUROPE JET KERO NWE CALSW	0	0.45	-100.0%	0	-	0	0	-100.0%
EUROPE NAPHTHA CALSWAP	20	40.95	-51.2%	15.35	30.3%	31	28	9.8%
EURO PROPANE CIF ARA SWA	73	70.86	3.7%	46	59.7%	78	67	17.4%
FREIGHT MARKETS	4	2.09	112.1%	3.75	18.3%	10	8	36.4%
FUEL OIL CRACK VS ICE	0	13.64	-100.0%	1.8	-100.0%	7	11	-36.9%
FUEL OIL NWE CRACK VS ICE	0	0	-	0	-	0	0	-8.3%
FUELOIL SWAP:CARGOES VS.B	0	0	-	0	-	0	0	-
GAS EURO-BOB OXY NWE BARGES	11	46.45	-75.9%	8.65	29.2%	11	31	-64.3%
GAS EURO-BOB OXY NWE BARGES	75	306.86	-75.7%	35.25	111.5%	132	227	-41.8%
GASOIL 0.1CIF MED VS ICE	0	0	-	0	-	0	0	-25.0%
GASOIL 0.1 RDAM BRGS VS I	0	0	-	0	-	0	0	-76.2%
GASOIL 0.1 ROTTERDAM BARG	0	2.64	-98.4%	0.25	-82.6%	0	1	-50.4%
GASOIL CALENDAR SWAP	1	1.45	-46.2%	0.3	160.9%	6	5	14.4%
GASOIL CRACK SPREAD CALEN	5	98.18	-95.4%	4.35	4.9%	66	59	11.2%
GASOIL MINI CALENDAR SWAP	4	13.59	-68.0%	7.9	-45.0%	16	17	-7.5%
GERMAN POWER BASELOAD CAL M	0	1.64	-100.0%	0	-	0	1	-100.0%
GRP THREE ULSD(PLT)VS HEA	97	185.68	-47.5%	157.75	-38.2%	227	213	6.5%
GRP THREE UNL GS (PLT) VS	77	117.23	-34.7%	85.35	-10.3%	164	126	30.6%
GULF COAST 3% FUEL OIL BA	5	27.5	-81.0%	5.35	-2.5%	6	4	35.8%
GULF COAST JET FUEL CLNDR	0	0	-	0	-	0	0	-
GULF COAST JET VS NYM 2 H	323	1,179.27	-72.6%	204.25	58.1%	509	1,050	-51.6%
GULF COAST NO.6 FUEL OIL	632	208.59	203.0%	469.3	34.7%	506	149	240.2%
GULF COAST ULSD CALENDAR	2	10.18	-78.2%	0	-	5	23	-79.9%
GULF COAST ULSD CRACK SPR	0	0	-	0	-	0	0	-
HEATING OIL BALMO CLNDR S	10	14.45	-29.9%	13.25	-23.5%	20	14	47.3%
HEATING OIL CRCK SPRD BAL	0	0	-	6.35	-100.0%	1	15	-94.8%
HEATING OIL PHY	143,600	162,035.45	-11.4%	144,808.8	-0.8%	161,708	147,572	9.6%
HENRY HUB SWAP	1,325	1,510.68	-12.3%	757.05	75.0%	1,313	1,598	-17.8%
HOUSTON SHIP CHANNEL BASI	0	0	-	0	-	0	0	-
HTG OIL	0	0	-	1.8	-100.0%	0	1	-35.7%
ICE BRENT DUBAI SWAP	0	21.59	-100.0%	0	-	13	30	-55.7%
ICE GASOIL BALMO SWAP	0	0	-	0	-	0	0	-100.0%
INDIANA MISO	0	0	-	0	-	0	0	-
INDONESIAN COAL ICI4	0	0.45	-100.0%	0	-	0	7	-100.0%
JAPAN C&F NAPHTHA CRACK S	5	0	-	10.7	-52.9%	3	0	-
JAPAN C&F NAPHTHA SWAP	3	2.45	25.8%	6.05	-49.0%	6	3	97.6%
JAPAN NAPHTHA BALMO SWAP	0	0	-	0	-	0	0	-

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	ADV AUG 2022	ADV AUG 2021	% CHG	ADV JUL 2022	% CHG	ADV Y.T.D 2022	ADV Y.T.D 2021	% CHG
<b>Energy Futures</b>								
JET CIF NWE VS ICE	1	11.59	-89.9%	6	-80.4%	9	7	27.3%
JET FUEL UP-DOWN BALMO CL	4	151.45	-97.1%	35.25	-87.7%	88	67	31.6%
JKM LNG Futures	0	16.14	-100.0%	2.4	-100.0%	13	28	-54.4%
LA CARB DIESEL (OPIS) SWA	0	5.68	-100.0%	0	-	13	11	24.5%
LA CARBOB GASOLINE(OPIS)S	0	0	-	0	-	0	1	-100.0%
LA JET (OPIS) SWAP	0	34.32	-100.0%	6.25	-100.0%	20	19	1.7%
LLS (ARGUS) CALENDAR SWAP	0	0	-	0	-	0	0	-
LLS (ARGUS) VS WTI SWAP	0	0	-	0	-	1	11	-95.0%
LTD NAT GAS	13,127	19,198.41	-31.6%	14,596.7	-10.1%	16,900	15,092	12.0%
MARS (ARGUS) VS WTI SWAP	3	0	-	3.75	-13.0%	10	8	29.6%
MARS (ARGUS) VS WTI TRD M	689	751.36	-8.3%	533.65	29.2%	735	898	-18.1%
MCCLOSKEY ARA ARGS COAL	113	627.77	-82.0%	203.65	-44.5%	298	604	-50.7%
MCCLOSKEY RCH BAY COAL	19	18.36	6.1%	8.3	134.7%	21	40	-48.3%
MGN1 SWAP FUT	0	0	-	0	-	0	0	-
MINI GAS EUROBOB OXY NWE ARG	0	0.45	-4.3%	0.5	-13.0%	1	1	125.0%
MINI RBOB V. EBOBARG NWE BRGS	0	0	-	0	-	0	2	-87.2%
MINI RBOB V. EBOB(ARGUS) NWE B	3	30.55	-88.6%	17.4	-80.0%	17	29	-42.5%
MINY HTG OIL	0	0.36	19.6%	0.55	-20.9%	0	0	28.8%
MINY NATURAL GAS	16,713	5,738.95	191.2%	15,709.6	6.4%	15,732	5,316	195.9%
MINY RBOB GAS	1	0.41	48.8%	0.35	73.9%	0	0	2.8%
MINY WTI CRUDE OIL	28,177	22,477.55	25.4%	32,741.7	-13.9%	30,244	20,319	48.8%
MJC FUT	0	0	-	0	-	0	0	-100.0%
MNC FUT	88	49.32	78.9%	63.95	37.9%	82	35	135.7%
MONT BELVIEU ETHANE 5 DECIMAL	1,578	1,872.91	-15.7%	1,709.3	-7.7%	1,713	1,295	32.3%
MONT BELVIEU ETHANE OPIS BALM	49	11.14	335.7%	20.75	133.8%	44	19	131.2%
MONT BELVIEU LDH PROPANE 5 DE	6,234	9,285.27	-32.9%	6,060.9	2.9%	7,853	8,516	-7.8%
MONT BELVIEU LDH PROPANE OPIS	51	161.82	-68.3%	118.3	-56.6%	139	149	-6.9%
MONT BELVIEU NATURAL GASOLIN	1,366	605.73	125.5%	1,256.25	8.8%	1,165	688	69.3%
MONT BELVIEU NATURAL GASOLIN	86	42.23	104.8%	105.95	-18.4%	70	27	162.3%
MONT BELVIEU NORMAL BUTANE 5	2,464	2,918.45	-15.6%	2,521.65	-2.3%	2,533	2,397	5.6%
MONT BELVIEU NORMAL BUTANE B	43	55	-21.6%	38.45	12.2%	70	58	20.9%
NATURAL GAS	5,596	8,415.77	-33.5%	6,848.45	-18.3%	8,536	6,523	30.9%
NATURAL GAS PEN SWP	1,347	2,005.68	-32.8%	1,739.8	-22.6%	2,302	2,494	-7.7%
NATURAL GAS PHY	253,432	375,868.05	-32.6%	291,346.75	-13.0%	353,594	376,854	-6.2%
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	26	7.27	252.7%	41.25	-37.8%	40	6	601.8%
NEW YORK HUB ZONE G PEAK	0	0	-	0	-	0	0	-
NEW YORK HUB ZONE J 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 1% FUEL OIL BAL	0	0	-	0	-	0	0	-
NY HARBOR HEAT OIL SWP	57	30.73	86.9%	65.55	-12.4%	56	39	44.5%
NY HARBOR LOW SULPUR GAS 100C	0	0	-	0	-	0	9	-100.0%
NY HARBOR RESIDUAL FUEL 1	8	12.5	-39.1%	1.25	508.7%	7	9	-19.3%
NYH NO 2 CRACK SPREAD CAL	27	46.36	-42.8%	33.75	-21.4%	91	77	18.5%
NYISO CAPACITY	0	0	-	0	-	0	0	-
NYISO ZONE G 5MW D AH O P	0	0	-	0	-	0	0	-

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<b>Energy Futures</b>								
NYISO ZONE G 5MW D AH PK	0	0	-	0	-	0	0	-
NY ULSD (ARGUS) VS HEATING OIL	31	0	-	74.95	-58.9%	26	0	8476.0%
PANHANDLE BASIS SWAP FUTU	0	0	-	0	-	0	0	-
PETROCHEMICALS	128	181.27	-29.1%	92.05	39.6%	157	165	-5.1%
PETRO CRCKS & SPRDS ASIA	0	0	-	0	-	0	0	-
PETRO CRCKS & SPRDS NA	811	825.23	-1.7%	1,046.3	-22.5%	1,012	1,162	-12.9%
PETRO CRK&SPRD EURO	29	29.18	0.3%	19.65	48.9%	43	36	21.8%
PETROLEUM PRODUCTS	126	56.09	124.1%	90.3	39.2%	106	33	217.8%
PETROLEUM PRODUCTS ASIA	13	6.64	103.1%	9.5	41.9%	40	11	254.7%
PETRO OUTRIGHT EURO	357	384.64	-7.2%	381.65	-6.4%	497	359	38.5%
PETRO OUTRIGHT NA	224	138.73	61.4%	181.6	23.3%	218	143	53.1%
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	-
PJM WESTH RT PEAK	0	0	-	0	-	0	0	-
PLASTICS	14	24.09	-42.2%	28.55	-51.3%	45	61	-27.0%
PREMIUM UNLND 10P FOB MED	2	0	-	0	-	1	0	2123.1%
PROPANE NON-LDH MB (OPIS) BAL	59	105.73	-44.4%	58.5	0.4%	79	69	14.8%
PROPANE NON-LDH MT. BEL (OPIS)	412	979.32	-57.9%	605.15	-31.9%	616	808	-23.7%
RBOB CALENDAR SWAP	85	304.14	-72.1%	165.25	-48.6%	246	323	-23.8%
RBOB CRACK SPREAD	40	34.77	15.0%	16.5	142.4%	84	101	-16.5%
RBOB CRACK SPREAD BALMO S	0	0	-	6.35	-100.0%	1	0	-
RBOB GAS	0	0	-	1.2	-100.0%	0	0	-20.0%
RBOB GASOLINE BALMO CLNDR	14	82.95	-83.3%	39.7	-65.1%	69	32	112.8%
RBOB PHY	141,313	218,234.86	-35.2%	148,219.1	-4.7%	176,572	193,961	-9.0%
RBOB VS HEATING OIL SWAP	0	27.27	-100.0%	9	-100.0%	3	7	-49.8%
SINGAPORE 180CST BALMO	0	0	-	0	-	0	0	-
SINGAPORE 380CST BALMO	0	0	-	0	-	0	0	-
SINGAPORE 380CST FUEL OIL	0	2.36	-85.3%	0.55	-36.8%	8	9	-14.9%
SINGAPORE FUEL OIL 180 CS	0	0	-	0	-	0	0	-
SINGAPORE FUEL OIL SPREAD	0	0	-	0	-	0	0	-
SINGAPORE GASOIL	30	45	-33.6%	34.75	-14.0%	43	30	42.5%
SINGAPORE GASOIL CALENDAR	0	55.77	-99.5%	1.15	-73.5%	7	41	-83.1%
SINGAPORE GASOIL SWAP	8	40	-81.0%	3.75	102.9%	19	65	-71.2%
SINGAPORE GASOIL VS ICE	0	60.68	-100.0%	0	-	24	49	-51.9%
SINGAPORE JET KERO GASOIL	3	22.27	-85.9%	0	-	22	8	168.0%
SINGAPORE JET KEROSENE SW	0	0	-	0	-	2	6	-62.7%
SINGAPORE MOGAS 92 UNLEADED	0	0	-	0	-	5	2	161.3%
SINGAPORE MOGAS 92 UNLEADED	0	57.27	-100.0%	0	-	4	25	-85.9%
TC2 ROTTERDAM TO USAC 37K	0	0	-	0	-	2	1	151.4%
TC5 RAS TANURA TO YOKOHAM	0	2.05	-100.0%	0	-	1	1	8.3%
TD3 MEG TO JAPAN 250K MT	0	0	-	0	-	37	60	-38.5%
TEXAS EASTERN ZONE M-3 BA	0	0	-	0	-	0	0	-
UK NBP NAT GAS CAL MTH FUT	0	0	-	0	-	0	15	-100.0%
ULSD UP-DOWN BALMO SWP	219	138.86	57.8%	158.7	38.1%	314	233	35.1%
UP DOWN GC ULSD VS NMX HO	1,008	2,131.18	-52.7%	709.55	42.0%	1,366	1,592	-14.2%
WTI-BRENT CALENDAR SWAP	1,593	2,277.05	-30.1%	1,914.65	-16.8%	2,588	1,988	30.2%

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<b>Energy Futures</b>								
WTI CALENDAR	2,702	2,237.41	20.8%	1,569.25	72.2%	3,051	2,530	20.6%
WTI MIDLAND CRUDE OIL	0	40.91	-100.0%	0	-	0	16	-100.0%
WTS (ARGUS) VS WTI SWAP	170	27.27	524.1%	15.75	980.7%	136	184	-25.8%
WTS (ARGUS) VS WTI TRD MT	20	50.45	-61.2%	0	-	38	35	8.3%
<b>Energy Options</b>								
BRENT CALENDAR SWAP	2	0	-	0	-	19	17	8.9%
BRENT CRUDE OIL 1 M CSO	522	4,872.73	-89.3%	0	-	606	1,069	-43.3%
BRENT OIL LAST DAY	521	1,489.41	-65.0%	556	-6.3%	1,451	2,152	-32.6%
COAL API2 INDEX	0	7.27	-100.0%	0	-	3	11	-74.4%
CRUDE OIL	0	0	-	0	-	0	0	-
CRUDE OIL 1MO	1,883	2,471.59	-23.8%	1,588	18.6%	3,204	6,389	-49.9%
CRUDE OIL APO	1,077	537.64	100.3%	1,039.7	3.6%	1,053	1,540	-31.7%
CRUDE OIL CALNDR STRIP	0	0	-	0	-	0	0	-
CRUDE OIL PHY	106,419	112,957.59	-5.8%	120,558.2	-11.7%	127,652	116,704	9.4%
ELEC FINSETTLED	0	0	-	0	-	0	0	-
ETHANOL SWAP	65	114.32	-43.0%	123.7	-47.3%	155	127	21.9%
FREIGHT MARKETS	0	0	-	0	-	0	0	-
HEATING OIL CRK SPD AVG PRICE	0	27.27	-100.0%	0	-	4	9	-51.0%
HEATING OIL PHY	501	380.41	31.6%	364.5	37.3%	545	294	85.5%
HENRY HUB FINANCIAL LAST	112	79.14	42.1%	175.55	-35.9%	237	455	-47.9%
HO 1 MONTH CLNDR OPTIONS	33	0	-	65	-49.8%	32	0	-
LLS CRUDE OIL	104	0	-	0	-	27	0	-
MCCLOSKEY ARA ARGS COAL	0	0	-	0	-	0	3	-100.0%
NATURAL GAS	15	0	-	0.85	1710.8%	24	0	-
NATURAL GAS 1 M CSO FIN	3,350	2,986.36	12.2%	4,295	-22.0%	4,525	2,190	106.7%
NATURAL GAS 2 M CSO FIN	0	618.18	-100.0%	17.5	-100.0%	84	116	-27.3%
NATURAL GAS 3 M CSO FIN	2,063	2,585.23	-20.2%	2,255	-8.5%	1,848	1,229	50.3%
NATURAL GAS 5 M CSO FIN	0	102.27	-100.0%	0	-	277	80	245.1%
NATURAL GAS 6 M CSO FIN	196	547.73	-64.3%	200	-2.2%	511	586	-12.7%
NATURAL GAS OPT	0	491.82	-100.0%	7.5	-100.0%	38	1,004	-96.2%
NATURAL GAS OPTION ON CALEND	0	577.27	-100.0%	0	-	4	361	-99.0%
NATURAL GAS PHY	77,134	133,465.68	-42.2%	95,508.75	-19.2%	104,461	102,623	1.8%
NATURAL GAS SUMMER STRIP	0	0	-	0	-	0	0	-
NY HARBOR HEAT OIL SWP	150	47.82	214.5%	53.3	182.2%	104	43	143.1%
PETROCHEMICALS	0	108.23	-100.0%	0	-	19	56	-66.0%
PETRO OUTRIGHT EURO	0	0	-	0	-	0	0	-
PETRO OUTRIGHT NA	0	1.36	-100.0%	0	-	2	7	-66.2%
PJM WES HUB PEAK CAL MTH	0	0	-	0	-	0	0	-
PJM WES HUB PEAK LMP 50MW	0	0	-	0	-	0	0	-
RBOB 1MO CAL SPD OPTIONS	0	0	-	50	-100.0%	15	0	-
RBOB CALENDAR SWAP	7	0	-	22.25	-68.7%	21	7	208.0%
RBOB PHY	262	536.55	-51.2%	155.9	67.8%	194	382	-49.1%
SHORT TERM	9	0	-	0	-	13	7	100.0%
SHORT TERM NATURAL GAS	26	15.91	64.0%	37.5	-30.4%	36	21	69.9%
WTI-BRENT BULLET SWAP	1,164	356.82	226.3%	3,334.5	-65.1%	1,829	1,200	52.4%
WTI CRUDE OIL 1 M CSO FI	1,848	2,745.45	-32.7%	1,215	52.1%	2,757	3,738	-26.2%

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<b>Metals Futures</b>								
ALUMINUM	2,766	1,371.73	101.6%	3,676.4	-24.8%	1,956	1,133	72.5%
COBALT METAL FUTURES	27	6.23	326.6%	57	-53.4%	42	16	156.9%
COMEX COPPER	92,082	95,860.09	-3.9%	82,954.9	11.0%	85,011	109,276	-22.2%
COMEX E-Mini GOLD	973	847.86	14.7%	1,398.45	-30.4%	1,425	1,074	32.6%
COMEX E-Mini SILVER	152	160.36	-5.0%	156.6	-2.7%	184	313	-41.2%
COMEX GOLD	149,470	177,758.77	-15.9%	270,044.05	-44.6%	221,908	246,800	-10.1%
COMEX MINY COPPER	165	250.64	-34.2%	150.95	9.2%	174	204	-14.5%
COMEX SILVER	68,299	76,986.86	-11.3%	60,312.65	13.2%	68,254	86,543	-21.1%
COPPER	3,212	94.73	3290.6%	3,846.85	-16.5%	1,757	126	1289.4%
FERROUS PRODUCTS	89	54.64	63.1%	125.45	-29.0%	123	73	69.0%
GOLD	162	438.55	-63.1%	57.95	179.1%	340	257	32.3%
HOT ROLLED COIL STEEL FUTURES	261	33.91	668.8%	185.4	40.6%	146	55	163.8%
IRON ORE CHINA	96	51.05	87.6%	72.4	32.3%	70	47	49.9%
METALS	2	0	-	9.8	-80.0%	11	0	3633.6%
MICRO GOLD	40,121	47,310.82	-15.2%	44,086.9	-9.0%	52,044	59,361	-12.3%
NYMEX HOT ROLLED STEEL	916	679.55	34.8%	749	22.3%	1,073	970	10.6%
NYMEX PLATINUM	16,260	13,751.36	18.2%	15,614.2	4.1%	19,337	17,014	13.6%
PALLADIUM	2,413	3,268	-26.2%	1,640.05	47.1%	2,258	2,340	-3.5%
SILVER	6,197	6,920.77	-10.5%	6,137.6	1.0%	7,645	10,419	-26.6%
URANIUM	0	5.45	-100.0%	0	-	0	7	-97.8%
<b>Metals Options</b>								
ALUMINUM	0	0	-	0	-	0	13	-100.0%
COMEX COPPER	4,258	2,522.73	68.8%	4,432.1	-3.9%	3,880	3,293	17.8%
COMEX GOLD	25,951	25,723.36	0.9%	40,861.35	-36.5%	40,680	33,930	19.9%
COMEX SILVER	3,656	4,706.55	-22.3%	4,401.45	-16.9%	5,002	7,965	-37.2%
COPPER	102	5.59	1723.6%	241.1	-57.7%	70	1	4611.8%
GOLD	8,215	6,941.95	18.3%	10,642.4	-22.8%	10,172	8,013	26.9%
IRON ORE CHINA	13	76.36	-82.9%	0	-	2	35	-94.8%
NYMEX HOT ROLLED STEEL	39	13.64	187.0%	73	-46.4%	74	11	548.3%
NYMEX PLATINUM	157	149.55	4.7%	119.1	31.4%	263	145	81.4%
PALLADIUM	1	15.32	-96.6%	0.35	49.1%	1	30	-97.6%
SILVER	812	698.73	16.3%	774.45	4.9%	891	539	65.3%
<b>Foreign Exchange Futures</b>								
CHILEAN PESO	0	0	-	0	-	0	0	-
<b>Foreign Exchange Options</b>								
AUD/USD WKLY WED OPTIONS - WK	6	12.59	-55.5%	2.35	138.7%	18	26	-28.7%

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	ADV AUG 2022	ADV AUG 2021	% CHG	ADV JUL 2022	% CHG	ADV Y.T.D 2022	ADV Y.T.D 2021	% CHG
<b>Ags Futures</b>								
FERTILIZER PRODUCS	179	125.91	42.4%	109.5	63.7%	140	162	-13.3%

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	ADV AUG 2022	ADV AUG 2021	% CHG	ADV JUL 2022	% CHG	ADV Y.T.D 2022	ADV Y.T.D 2021	% CHG
<b>Ag Products Futures</b>								
BLOCK CHEESE	11	34.23	-68.5%	21.6	-50.1%	17	42	-59.0%
BUTTER CS	173	157.82	9.4%	201.4	-14.3%	214	204	4.6%
CASH-SETTLED CHEESE	384	504.55	-23.8%	527.35	-27.1%	487	576	-15.5%
CAT ASIA WEATHER	0	0	-	0	-	0	7	-100.0%
CATTLE	45,004	50,720.23	-11.3%	57,319.2	-21.5%	57,848	56,635	2.1%
CAT WEATHER EUROPEAN	0	0	-	0	-	0	3	-100.0%
CDD SEASONAL STRIP	4	0	-	0	-	44	38	17.9%
CDD WEATHER	0	38.64	-100.0%	75	-100.0%	142	55	156.4%
CHI WHEAT	103,225	143,346.32	-28.0%	90,555.3	14.0%	110,180	131,835	-16.4%
CLASS IV MILK	108	76.73	40.1%	216.75	-50.4%	134	46	193.6%
COFFEE	0	0	-	0	-	0	0	-100.0%
CORN	305,121	334,859.64	-8.9%	297,162.1	2.7%	340,068	385,641	-11.8%
DJ_UBS ROLL SELECT INDEX FUTU	33	44.59	-26.7%	176.4	-81.5%	338	114	197.4%
DOW-UBS COMMOD INDEX	651	1,446.05	-55.0%	1,937.5	-66.4%	2,683	2,482	8.1%
DRY WHEY	32	42.41	-23.6%	43.25	-25.1%	50	104	-51.9%
FEEDER CATTLE	13,852	14,294.05	-3.1%	14,826.9	-6.6%	13,052	11,973	9.0%
FERTILIZER PRODUCS	0	0	-	0	-	0	0	-
GOLDMAN SACHS	207	187.09	10.7%	197.75	4.7%	191	480	-60.2%
GSCI EXCESS RETURN FUT	198	73.5	169.4%	536.15	-63.1%	1,810	1,568	15.5%
HDD EURO SEASONAL STRIP	38	0	-	62.5	-39.1%	13	0	-
HDD SEASONAL STRIP	43	0	-	0	-	6	0	-
HDD WEATHER	43	6.82	537.7%	0	-	54	69	-21.7%
HDD WEATHER EUROPEAN	0	0	-	0	-	23	28	-15.8%
HOGS	38,145	35,732.73	6.7%	48,579.45	-21.5%	46,154	46,957	-1.7%
HOUSING INDEX	1	0.91	-23.5%	0.35	98.8%	1	1	39.6%
KC WHEAT	44,375	62,281.5	-28.8%	38,095.95	16.5%	45,914	55,077	-16.6%
LUMBER	520	385	35.1%	319.75	62.7%	403	508	-20.6%
MALAYSIAN PALM SWAP	0	104.55	-100.0%	0	-	0	477	-100.0%
MILK	1,213	1,166.91	4.0%	1,432.4	-15.3%	1,433	1,154	24.2%
MINI CORN	2,112	1,819.32	16.1%	2,439.75	-13.5%	2,831	3,332	-15.0%
MINI SOYBEAN	2,725	1,906.68	42.9%	2,850.65	-4.4%	2,951	2,955	-0.1%
MINI WHEAT	1,117	1,102.55	1.3%	1,121.75	-0.4%	1,302	1,042	24.9%
MLK MID OPTIONS	0	0	-	0	-	0	0	-
NFD MILK	225	200.23	12.3%	250.6	-10.3%	288	270	6.6%
OATS	333	448.73	-25.9%	255.1	30.3%	418	513	-18.5%
PACIFIC RIM DAT SS WTHR	0	0	-	0	-	0	0	-
PORK CUTOUT	58	44.32	31.8%	88.05	-33.7%	111	130	-14.8%
ROUGH RICE	1,183	959.86	23.2%	532.75	122.0%	934	819	14.2%
SOYBEAN	155,105	151,314.91	2.5%	169,776.7	-8.6%	202,811	218,005	-7.0%
SOYBEAN MEAL	106,544	83,422.91	27.7%	108,987.4	-2.2%	107,575	101,691	5.8%
SOYBEAN OIL	114,710	112,030.82	2.4%	117,151.1	-2.1%	112,117	133,859	-16.2%
S&P GSCI ENHANCED ER SWAP	0	0	-	0	-	0	24	-100.0%
USD CRUDE PALM OIL	956	196.23	387.1%	1,116.85	-14.4%	1,089	237	359.6%
WHEAT	9	1,356.32	-99.4%	0	-	336	1,316	-74.5%

**Ag Products Options**

AUG-NOV SOYBEAN CAL SPRD	0	0	-	10.6	-100.0%	1	0	-
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<b>Ag Products Options</b>								
BLOCK CHEESE	1	10.77	-87.1%	4.3	-67.6%	15	15	-2.3%
BUTTER CS	92	19.23	379.2%	72.15	27.7%	76	99	-23.1%
CASH-SETTLED CHEESE	356	174.14	104.5%	341	4.4%	368	348	5.6%
CATTLE	10,293	8,556.18	20.3%	8,323.7	23.7%	10,302	8,990	14.6%
CDD SEASONAL STRIP	0	0	-	0	-	123	51	142.6%
CDD WEATHER	0	45.45	-100.0%	0	-	7	37	-82.4%
CHI WHEAT	22,088	20,170.59	9.5%	32,333.2	-31.7%	29,416	22,189	32.6%
CLASS IV MILK	469	140.64	233.5%	310.55	51.0%	333	155	114.7%
CORN	112,274	103,021.32	9.0%	168,102.8	-33.2%	137,896	145,950	-5.5%
CORN NEARBY+2 CAL SPRD	1,094	353.86	209.2%	732.6	49.4%	1,171	650	80.0%
DEC-DEC CORN CAL SPRD	0	6.82	-100.0%	0	-	0	9	-100.0%
DEC-JULY CORN CAL SPRD	255	417.5	-39.0%	36.25	602.7%	82	69	18.2%
DRY WHEY	8	3.14	155.1%	19.6	-59.2%	19	10	95.2%
FEEDER CATTLE	1,835	956.32	91.9%	1,856.15	-1.2%	1,716	1,021	68.0%
HDD EURO SEASONAL STRIP	76	22.73	234.8%	125	-39.1%	25	3	750.0%
HDD SEASONAL STRIP	43	272.73	-84.1%	0	-	6	66	-90.9%
HDD WEATHER	326	0	-	0	-	74	37	96.8%
HDD WEATHER EUROPEAN	0	0	-	0	-	6	7	-20.0%
HOGS	10,642	8,820.95	20.6%	10,694.5	-0.5%	11,042	9,727	13.5%
Intercommodity Spread	0	0	-	0	-	0	2	-100.0%
JULY-DEC CORN CAL SPRD	345	295.45	16.6%	333.75	3.2%	426	210	103.2%
JULY-DEC SOYMEAL CAL SPRD	0	0	-	0	-	5	0	-
JULY-DEC SOY OIL CAL SPRD	0	0	-	0	-	0	0	-
JULY-DEC WHEAT CAL SPRD	0	0	-	0	-	22	1	3600.0%
JULY-JULY WHEAT CAL SPRD	0	0	-	0	-	0	0	-
JULY-NOV SOYBEAN CAL SPRD	0	0	-	0	-	255	15	1660.0%
KC WHEAT	2,354	4,969.05	-52.6%	3,237.05	-27.3%	3,684	3,048	20.9%
LUMBER	16	19.55	-17.0%	14.55	11.5%	21	37	-43.2%
MAR-DEC CORN CAL SPRD	0	0	-	0	-	0	0	-
MAR-JULY CORN CAL SPRD	586	0	-	0	-	138	0	-
MAR-JULY SOYBEAN CAL SPRD	22	0	-	0	-	3	0	-
MAR-JULY WHEAT CAL SPRD	0	0	-	0	-	1	0	-
MILK	1,419	948.09	49.7%	1,976.95	-28.2%	1,113	1,234	-9.8%
MLK MID OPTIONS	0	0	-	0	-	0	0	309.0%
NFD MILK	203	83.59	143.0%	180.9	12.3%	212	210	0.5%
NOV-JULY SOYBEAN CAL SPRD	197	0	-	0	-	31	0	-
NOV-MAR SOYBEAN CSO	0	6.82	-100.0%	0	-	0	1	-100.0%
OATS	8	6.68	17.8%	7.1	10.8%	11	13	-16.4%
PORK CUTOUT	0	0.05	-100.0%	0	-	0	4	-95.3%
ROUGH RICE	106	55.23	92.4%	88.85	19.6%	78	44	77.2%
SEP-DEC SOYBEAN MEAL CSO	36	0	-	0	-	5	0	-
SOYBEAN	60,067	59,691.36	0.6%	79,901.95	-24.8%	78,702	81,530	-3.5%
SOYBEAN CRUSH	0	0	-	0	-	1	6	-85.0%
SOYBEAN MEAL	11,595	8,826.77	31.4%	11,409.25	1.6%	11,687	10,838	7.8%
SOYBEAN OIL	9,491	10,590.59	-10.4%	14,912.3	-36.4%	12,014	14,812	-18.9%
SOYBN NEARBY+2 CAL SPRD	357	131.05	172.4%	0.5	71291.3%	166	120	38.9%
SOYMEAL NEARBY+2 CAL SPRD	7	0	-	0	-	7	0	-
WHEAT	2	102.05	-98.5%	0.3	421.8%	8	61	-87.8%

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<b>Ag Products Options</b>								
WHEAT-CORN ICSSO	67	0	-	105	-36.6%	50	5	904.8%
WHEAT NEARBY+2 CAL SPRD	35	18.86	87.4%	42.25	-16.3%	187	24	687.1%
<b>TOTAL FUTURES GROUP</b>								
Interest Rate Futures	8,818,389	7,176,986.73	22.9%	7,168,705.1	23.0%	8,902,896	7,214,762	23.4%
Equity Index Futures	5,312,909	3,561,280.23	49.2%	5,649,388.2	-6.0%	6,344,667	4,593,054	38.1%
Metals Futures	383,662	425,851.36	-9.9%	491,276.6	-21.9%	463,759	536,028	-13.5%
Energy Futures	1,591,155	1,871,442.86	-15.0%	1,689,732.2	-5.8%	1,875,183	1,905,803	-1.6%
FX Futures	834,134	590,373.73	41.3%	915,738.55	-8.9%	880,588	740,453	18.9%
Foreign Exchange Futures	0	0	-	0	-	0	0	-
Ags Futures	179	125.91	42.4%	109.5	63.7%	140	162	-13.3%
Ag Products Futures	938,457	1,000,307.09	-6.2%	956,857.75	-1.9%	1,054,022	1,160,266	-9.2%
<b>TOTAL FUTURES</b>	<b>17,878,885</b>	<b>14,626,367.91</b>	<b>22.2%</b>	<b>16,871,807.9</b>	<b>6.0%</b>	<b>19,521,256.07</b>	<b>16,150,527.33</b>	<b>20.9%</b>
<b>TOTAL OPTIONS GROUP</b>								
Interest Rate Options	1,799,112	1,640,686.55	9.7%	1,877,058.15	-4.2%	2,224,265	1,946,817	14.3%
Equity Index Options	1,035,417	636,018.64	62.8%	1,005,050	3.0%	1,151,157	647,664	77.7%
Metals Options	43,204	40,853.77	5.8%	61,545.3	-29.8%	61,034	53,977	13.1%
Energy Options	197,462	268,124.05	-26.4%	231,623.7	-14.7%	251,752	242,419	3.8%
FX Options	32,123	33,879.64	-5.2%	43,715.95	-26.5%	42,025	35,542	18.2%
Ag Products Options	246,766	228,737.55	7.9%	335,173.1	-26.4%	301,504	301,648	0.0%
Foreign Exchange Options	6	12.59	-55.5%	2.35	138.7%	18	26	-28.7%
<b>TOTAL OPTIONS</b>	<b>3,354,090</b>	<b>2,848,312.77</b>	<b>17.8%</b>	<b>3,554,168.55</b>	<b>-5.6%</b>	<b>4,031,755.3</b>	<b>3,228,093.84</b>	<b>24.9%</b>
<b>TOTAL COMBINED</b>								
FX	866,257	624,253.36	38.8%	959,454.5	-9.7%	922,613	775,995	18.9%
Equity Index	6,348,327	4,197,298.86	51.2%	6,654,438.2	-4.6%	7,495,824	5,240,718	43.0%
Interest Rate	10,617,500	8,817,673.27	20.4%	9,045,763.25	17.4%	11,127,161	9,161,579	21.5%
Energy	1,788,617	2,139,566.91	-16.4%	1,921,355.9	-6.9%	2,126,936	2,148,222	-1.0%
Metals	426,865	466,705.14	-8.5%	552,821.9	-22.8%	524,792	590,005	-11.1%
Foreign Exchange	6	12.59	-55.5%	2.35	138.7%	19	26	-28.1%
Ags	179	125.91	42.4%	109.5	63.7%	140	162	-13.3%
Ag Products	1,185,223	1,229,044.64	-3.6%	1,292,030.85	-8.3%	1,355,527	1,461,914	-7.3%
<b>GRAND TOTAL</b>	<b>21,232,975</b>	<b>17,474,680.68</b>	<b>21.5%</b>	<b>20,425,976.45</b>	<b>4.0%</b>	<b>23,553,011.37</b>	<b>19,378,621.18</b>	<b>21.5%</b>

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