



CME Exchange Volume Report - Monthly

	VOLUME NOV 2022	VOLUME NOV 2021	% CHG	VOIUME OCT 2022	% CHG	VOLUME Y.T.D 2022	VOLUME Y.T.D 2021	% CHG
Interest Rate Futures								
1-MONTH EURODOLLAR	4,012	0	0.0%	2,048	95.9%	77,847	2	3,892,250.0%
BSBY 3-MONTH FUTURES	19,710	95,019	-79.3%	25,925	-24.0%	559,858	400,124	39.9%
ESTR Basis Spread Futures	1,639	0	-	41	3,897.6%	1,680	0	-
ESTR Futures	5,634	0	-	11	51,118.2%	5,645	0	-
EURODOLLARS	15,166,182	60,409,854	-74.9%	17,793,183	-14.8%	383,926,851	566,680,622	-32.2%
SOFR	48,950,717	6,390,593	666.0%	41,596,810	17.7%	401,165,990	33,568,346	1,095.1%
SONIA	0	5,403	-100.0%	0	0.0%	1,293	803,512	-99.8%
TIIE	25	39	-35.9%	35	-28.6%	1,041	838	24.2%
Interest Rate Options								
EURODOLLARS	9,711,071	10,402,163	-6.6%	11,315,570	-14.2%	135,401,251	54,247,580	149.6%
EURO MIDCURVE	749,264	19,749,050	-96.2%	1,100,836	-31.9%	65,406,362	191,865,283	-65.9%
SOFR	16,026,490	0	0.0%	15,443,918	3.8%	73,081,198	8,652	844,574.0%
SOFR MIDCURVE	4,197,924	15	27,986,060.0%	3,460,712	21.3%	19,733,356	100	19,733,256.0%

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Equity Index Futures								
BITCOIN	293,346	203,669	44.0%	279,413	5.0%	2,538,163	2,355,543	7.8%
E-mini FTSE China 50	231	94	145.7%	116	99.1%	7,353	759	868.8%
E-MINI MIDCAP	264,797	285,053	-7.1%	293,057	-9.6%	3,632,564	2,897,427	25.4%
E-MINI NASDAQ 100	13,225,865	11,829,145	11.8%	16,051,781	-17.6%	162,948,043	126,137,964	29.2%
E-MINI RUSSELL 1000	1,365	6,749	-79.8%	10,227	-86.7%	133,521	116,098	15.0%
E-MINI RUSSELL 1000 GROWTH	5,621	3,078	82.6%	7,858	-28.5%	93,405	52,943	76.4%
E-MINI RUSSELL 1000 VALUE	5,644	14,769	-61.8%	3,911	44.3%	238,665	311,866	-23.5%
E-MINI RUSSELL 2000	4,054,962	4,357,838	-7.0%	5,231,508	-22.5%	55,535,801	45,793,192	21.3%
E-MINI S&P500	36,343,215	29,497,705	23.2%	48,151,616	-24.5%	461,711,130	359,041,102	28.6%
E-MINI S&P500 ESG	16,011	14,627	9.5%	28,360	-43.5%	336,023	211,716	58.7%
ETHER	0	0	-	0	0.0%	12	0	-
ETHER FUTURES	168,664	122,342	37.9%	132,139	27.6%	1,493,904	797,851	87.2%
FT-SE 100	4	26	-84.6%	145	-97.2%	1,528	1,379	10.8%
FTSE Emerging	0	0	0.0%	0	0.0%	0	5	-100.0%
IBOVESPA INDEX	44	266	-83.5%	52	-15.4%	625	2,499	-75.0%
MICRO BITCOIN	343,673	579,892	-40.7%	218,951	57.0%	3,565,337	3,308,180	7.8%
MICRO E-MINI NASDAQ 100	26,067,137	21,324,242	22.2%	31,704,461	-17.8%	341,925,355	214,500,635	59.4%
MICRO E-MINI RUSSELL 2000	2,240,312	3,738,620	-40.1%	2,931,274	-23.6%	31,094,856	35,076,511	-11.4%
MICRO E-MINI S&P500	27,185,751	18,104,077	50.2%	33,300,874	-18.4%	317,898,853	196,653,723	61.7%
MICRO ETHER	474,356	0	-	329,615	43.9%	4,725,382	0	-
NASDAQ-100 VOLATILITY	36	14	157.1%	70	-48.6%	18,555	111	16,616.2%
NASDAQ BIOTECH SECTOR	63	53	18.9%	202	-68.8%	2,223	7,137	-68.9%
Nearby BTIC+	50	0	0.0%	750	-93.3%	7,588	456	1,564.0%
NIKKEI 225 (\$) STOCK	96,887	98,152	-1.3%	100,894	-4.0%	1,270,696	1,435,258	-11.5%
NIKKEI 225 (YEN) STOCK	589,078	654,782	-10.0%	759,153	-22.4%	8,528,327	7,379,153	15.6%
PHLX SEMICONDUCTOR SECTO	229	0	-	829	-72.4%	1,926	0	-
S&P 500	50,301	20,449	146.0%	40,753	23.4%	809,755	1,138,830	-28.9%
S&P 500 ANNUAL DIVIDEND IND	77,999	40,589	92.2%	92,242	-15.4%	914,443	664,354	37.6%
S&P 500/GI	0	0	0.0%	0	-	0	0	0.0%
S&P 500 QUARLY DIVIDEND IND	6,580	4,560	44.3%	4,439	48.2%	49,804	28,349	75.7%
S&P 600 SMALLCAP EMINI	0	0	0.0%	0	-	0	0	0.0%
S&P BIOTECHNOLOGY SECTOR	1,023	0	-	1,047	-2.3%	9,277	0	-
S&P COMMUNICATION SERVICE	2,536	1,901	33.4%	3,172	-20.1%	44,373	41,189	7.7%
S&P CONSUMER DISCRETIONAR	4,704	13,471	-65.1%	8,433	-44.2%	141,814	133,462	6.3%
S&P CONSUMER STAPLES SECT	12,223	11,829	3.3%	19,906	-38.6%	300,353	377,475	-20.4%
S&P ENERGY SECTOR	29,375	39,709	-26.0%	42,286	-30.5%	720,444	549,759	31.0%
S&P FINANCIAL SECTOR	14,542	33,435	-56.5%	19,742	-26.3%	386,413	664,304	-41.8%
S&P HEALTH CARE SECTOR	8,247	15,511	-46.8%	11,009	-25.1%	279,951	268,869	4.1%
S&P INDUSTRIAL SECTOR	32,844	7,723	325.3%	19,411	69.2%	325,666	256,519	27.0%
S&P MATERIALS SECTOR	13,851	10,770	28.6%	9,293	49.0%	168,291	149,310	12.7%
S&P OIL & GAS EXPLORATION A	366	0	-	494	-25.9%	4,685	0	-
S&P REAL ESTATE SECTOR	1,845	2,323	-20.6%	4,150	-55.5%	70,142	92,373	-24.1%
S&P REGIONAL BANKS SECTOR	324	0	-	589	-45.0%	2,520	0	-
S&P RETAIL SECTOR	289	0	-	180	60.6%	3,128	0	-
S&P TECHNOLOGY SECTOR	10,596	11,300	-6.2%	29,464	-64.0%	280,836	167,216	67.9%
S&P UTILITIES SECTOR	21,732	20,409	6.5%	20,497	6.0%	384,846	344,287	11.8%
S&P VALUE INDEX FUTURES	0	0	0.0%	0	0.0%	0	2,480	-100.0%
WATER INDEX FUTURES	3	1	200.0%	0	0.0%	595	947	-37.2%
YEN DENOMINATED TOPIX	147	4,039	-96.4%	39	276.9%	19,952	27,333	-27.0%

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Equity Index Options								
BITCOIN OPTIONS	6,088	1,634	272.6%	4,843	25.7%	34,722	15,662	121.7%
E-MINI NASDAQ 100	934,424	643,663	45.2%	1,061,260	-12.0%	11,022,121	6,292,612	75.2%
E-mini Russell 2000	58,690	121,475	-51.7%	100,109	-41.4%	1,101,019	1,035,404	6.3%
E-MINI RUSSELL 2000	35,996	63,171	-43.0%	25,800	39.5%	351,790	340,694	3.3%
E-mini S&P 500	11,038,322	9,558,267	15.5%	14,312,910	-22.9%	130,414,778	83,831,923	55.6%
E-MINI S&P500	13,786,183	9,503,775	45.1%	15,001,880	-8.1%	133,625,714	72,322,127	84.8%
EOM S&P 500	0	0	0.0%	0	0.0%	0	20,000	-100.0%
ETHER OPTIONS	506	0	-	466	8.6%	1,075	0	-
MICRO BITCOIN	3,430	0	-	7,057	-51.4%	77,467	0	-
Micro E-mini Nasdaq-100	37,426	38,379	-2.5%	40,407	-7.4%	467,156	315,543	48.0%
MICRO E-MINI NASDAQ 100	10,134	11,191	-9.4%	6,684	51.6%	126,266	67,619	86.7%
Micro E-mini S&P 500	257,197	247,514	3.9%	221,386	16.2%	2,592,494	1,804,596	43.7%
MICRO ETHER	30,233	0	-	39,574	-23.6%	347,422	0	-
S&P 500	0	0	0.0%	0	0.0%	0	1,302,305	-100.0%
FX Futures								
AD/CD CROSS RATES	217	0	0.0%	53	309.4%	843	226	273.0%
AD/JY CROSS RATES	2,605	3,139	-17.0%	3,643	-28.5%	50,064	26,372	89.8%
AD/NE CROSS RATES	1,791	507	253.3%	12,241	-85.4%	62,924	3,681	1,609.4%
AUSTRALIAN DOLLAR	2,139,692	1,825,027	17.2%	2,183,312	-2.0%	23,455,279	22,478,377	4.3%
BP/JY CROSS RATES	2,724	2,498	9.0%	5,266	-48.3%	56,250	30,321	85.5%
BP/SF CROSS RATES	1,231	1,391	-11.5%	3,161	-61.1%	32,068	12,025	166.7%
BRAZIL REAL	376,068	229,473	63.9%	315,624	19.2%	3,591,667	2,742,225	31.0%
BRITISH POUND	2,388,517	2,050,731	16.5%	3,109,061	-23.2%	28,824,521	21,766,067	32.4%
CANADIAN DOLLAR	1,791,405	1,566,495	14.4%	2,044,419	-12.4%	20,868,120	18,206,626	14.6%
CD/JY CROSS RATES	29	601	-95.2%	71	-59.2%	722	3,307	-78.2%
CHINESE RENMINBI (CNH)	44,931	16,254	176.4%	45,898	-2.1%	343,964	181,181	89.8%
CZECK KORUNA (EC)	0	0	0.0%	0	0.0%	41	8	412.5%
CZECK KORUNA (US)	166	4	4,050.0%	175	-5.1%	663	12	5,425.0%
EC/AD CROSS RATES	3,803	3,762	1.1%	3,708	2.6%	62,533	55,054	13.6%
EC/CD CROSS RATES	4,340	4,358	-0.4%	4,679	-7.2%	89,258	75,043	18.9%
EC/NOK CROSS RATES	1,005	190	428.9%	421	138.7%	24,629	9,125	169.9%
EC/SEK CROSS RATES	1,517	355	327.3%	871	74.2%	35,081	6,740	420.5%
EFX/BP CROSS RATES	67,006	37,727	77.6%	80,551	-16.8%	1,050,484	621,910	68.9%
EFX/JY CROSS RATES	26,161	39,436	-33.7%	30,554	-14.4%	610,926	491,827	24.2%
EFX/SF CROSS RATES	14,188	25,738	-44.9%	29,027	-51.1%	439,190	280,335	56.7%
E-MICRO USD/CAD	76	490	-84.5%	20	280.0%	1,914	2,194	-12.8%
E-MICRO USD/CHF	27	49	-44.9%	32	-15.6%	766	132	480.3%
E-MICRO USD/JPY	1,200	5,033	-76.2%	837	43.4%	152,361	7,954	1,815.5%
E-MINI EURO FX	186,774	109,017	71.3%	161,440	15.7%	1,708,126	1,304,128	31.0%
E-MINI JAPANESE YEN	9,960	8,505	17.1%	16,060	-38.0%	131,656	101,281	30.0%
EURO FX	4,687,285	3,940,789	18.9%	4,652,761	0.7%	55,397,545	44,076,796	25.7%
HUNGARIAN FORINT (EC)	0	22	-100.0%	1	-100.0%	33	40	-17.5%
HUNGARIAN FORINT (US)	6	6	0.0%	0	0.0%	48	177	-72.9%
INDIAN RUPEE	33,326	17,525	90.2%	39,486	-15.6%	303,401	161,029	88.4%
JAPANESE YEN	3,038,454	2,484,993	22.3%	3,665,644	-17.1%	36,026,511	24,723,477	45.7%
KOREAN WON	336	1,024	-67.2%	492	-31.7%	5,510	20,251	-72.8%
MEXICAN PESO	1,221,719	1,115,923	9.5%	1,376,493	-11.2%	13,534,329	12,162,115	11.3%
MICRO AUD/USD	271,953	314,611	-13.6%	289,867	-6.2%	2,916,229	2,381,001	22.5%

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FX Futures								
MICRO CAD/USD	80,400	55,396	45.1%	85,931	-6.4%	694,035	618,530	12.2%
MICRO CHF/USD	15,839	10,691	48.2%	16,673	-5.0%	189,941	97,489	94.8%
MICRO EUR/USD	873,666	580,150	50.6%	923,965	-5.4%	8,796,529	5,383,743	63.4%
MICRO GBP/USD	126,339	146,207	-13.6%	234,107	-46.0%	1,379,196	916,302	50.5%
MICRO INR/USD	764	738	3.5%	621	23.0%	7,807	18,272	-57.3%
MICRO JPY/USD	0	86,243	-100.0%	0	0.0%	101,719	432,297	-76.5%
MICRO USD/CNH	0	0	0.0%	0	0.0%	2	36	-94.4%
NEW ZEALND DOLLAR	617,666	493,335	25.2%	745,879	-17.2%	7,216,503	6,482,924	11.3%
NKR/USD CROSS RATE	2,764	3,861	-28.4%	3,420	-19.2%	39,129	59,712	-34.5%
POLISH ZLOTY (EC)	6	26	-76.9%	2	200.0%	1,229	1,440	-14.7%
POLISH ZLOTY (US)	2,389	808	195.7%	1,811	31.9%	17,969	10,045	78.9%
RMB USD	0	0	0.0%	0	0.0%	29	3	866.7%
RUSSIAN RUBLE	0	174,114	-100.0%	0	0.0%	587,309	1,287,413	-54.4%
S.AFRICAN RAND	70,391	75,786	-7.1%	80,785	-12.9%	1,029,174	676,856	52.1%
SF/JY CROSS RATES	1,528	50	2,956.0%	447	241.8%	12,302	595	1,967.6%
SHEKEL	6	25	-76.0%	1	500.0%	160	59	171.2%
SKR/USD CROSS RATES	7,131	4,910	45.2%	4,926	44.8%	83,616	63,486	31.7%
SWISS FRANC	452,450	543,363	-16.7%	458,555	-1.3%	5,933,600	5,468,698	8.5%
TURKISH LIRA	49	6	716.7%	24	104.2%	510	891	-42.8%
USDZAR	0	1,207	-100.0%	0	0.0%	31	1,279	-97.6%
FX Options								
AUD/USD MONDAY OPTION WEE	89	1,969	-95.5%	5	1,680.0%	1,848	6,623	-72.1%
AUD/USD MONDAY OPTION WEE	43	150	-71.3%	18	138.9%	3,304	4,626	-28.6%
AUD/USD MONDAY OPTION WEE	417	153	172.5%	134	211.2%	2,837	4,637	-38.8%
AUD/USD MONDAY OPTION WEE	346	12	2,783.3%	91	280.2%	3,580	4,524	-20.9%
AUD/USD MONDAY OPTION WEE	0	986	-100.0%	145	-100.0%	1,363	2,356	-42.1%
AUD/USD MONTHLY OPTIONS	64,616	82,580	-21.8%	52,855	22.3%	899,797	951,147	-5.4%
AUD/USD WKLY FRIDAY OPTION	896	0	0.0%	0	0.0%	6,376	7,231	-11.8%
AUD/USD WKLY FRIDAY OPTION	2,043	3,424	-40.3%	2,122	-3.7%	17,949	20,349	-11.8%
AUD/USD WKLY FRIDAY OPTION	1,242	2,484	-50.0%	1,072	15.9%	22,778	30,176	-24.5%
AUD/USD WKLY FRIDAY OPTION	1,128	4,213	-73.2%	2,541	-55.6%	19,444	34,030	-42.9%
AUD/USD WKLY FRIDAY OPTION	252	496	-49.2%	0	0.0%	6,052	9,137	-33.8%
AUD/USD WKLY WED OPTIONS -	50	1,083	-95.4%	432	-88.4%	6,411	14,178	-54.8%
AUD/USD WKLY WED OPTIONS -	1,003	344	191.6%	477	110.3%	5,674	8,490	-33.2%
AUD/USD WKLY WED OPTIONS -	33	71	-53.5%	85	-61.2%	2,190	3,139	-30.2%
AUD/USD WKLY WED OPTIONS -	849	516	64.5%	127	568.5%	5,584	9,585	-41.7%
AUD/USD WKLY WED OPTIONS -	380	0	0.0%	0	0.0%	958	1,985	-51.7%
BRL/USD MONTHLY OPTIONS	233	697	-66.6%	22	959.1%	3,276	3,988	-17.9%
CAD/USD MONDAY OPTIONS WE	1,819	1,444	26.0%	685	165.5%	4,337	10,339	-58.1%
CAD/USD MONDAY OPTIONS WE	796	708	12.4%	216	268.5%	11,508	16,428	-29.9%
CAD/USD MONDAY OPTIONS WE	1,403	378	271.2%	424	230.9%	11,449	10,682	7.2%
CAD/USD MONDAY OPTIONS WE	190	386	-50.8%	11	1,627.3%	7,207	22,893	-68.5%
CAD/USD MONDAY OPTIONS WE	0	1,224	-100.0%	1,240	-100.0%	2,775	4,371	-36.5%
CAD/USD MONTHLY OPTIONS	107,771	76,946	40.1%	73,022	47.6%	1,019,962	876,052	16.4%
CAD/USD WKLY FRIDAY OPTION	3,298	0	0.0%	0	0.0%	16,821	27,536	-38.9%
CAD/USD WKLY FRIDAY OPTION	2,638	8,738	-69.8%	4,220	-37.5%	37,324	54,502	-31.5%
CAD/USD WKLY FRIDAY OPTION	4,012	7,869	-49.0%	2,991	34.1%	59,311	84,599	-29.9%
CAD/USD WKLY FRIDAY OPTION	3,096	4,806	-35.6%	3,664	-15.5%	52,533	100,716	-47.8%
CAD/USD WKLY FRIDAY OPTION	6	120	-95.0%	0	0.0%	12,904	28,447	-54.6%

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FX Options								
CAD/USD WKLY WED OPTIONS -	746	2,089	-64.3%	992	-24.8%	10,910	23,281	-53.1%
CAD/USD WKLY WED OPTIONS -	783	2,043	-61.7%	804	-2.6%	12,808	20,414	-37.3%
CAD/USD WKLY WED OPTIONS -	459	4,169	-89.0%	1,062	-56.8%	15,026	27,836	-46.0%
CAD/USD WKLY WED OPTIONS -	810	945	-14.3%	1,681	-51.8%	16,624	27,286	-39.1%
CAD/USD WKLY WED OPTIONS -	1,038	0	0.0%	0	0.0%	5,512	9,535	-42.2%
CHF/USD MONTHLY OPTIONS	4,756	5,493	-13.4%	3,267	45.6%	62,205	60,969	2.0%
CHF/USD WKLY FRIDAY OPTION	166	0	0.0%	0	0.0%	1,155	411	181.0%
CHF/USD WKLY FRIDAY OPTION	36	1,091	-96.7%	30	20.0%	937	3,383	-72.3%
CHF/USD WKLY FRIDAY OPTION	249	83	200.0%	46	441.3%	1,296	1,965	-34.0%
CHF/USD WKLY FRIDAY OPTION	162	377	-57.0%	30	440.0%	1,399	2,808	-50.2%
CHF/USD WKLY FRIDAY OPTION	83	3	2,666.7%	0	0.0%	200	285	-29.8%
EUR/GBP MONTHLY OPTIONS	0	0	0.0%	0	0.0%	3,704	6	61,633.3%
EUR/GBP WKLY FRIDAY OPTION	0	100	-100.0%	0	0.0%	0	100	-100.0%
EURODOLLARS	3,332	0	-	1,820	83.1%	6,842	0	-
EUR/USD MONDAY OPTION WEE	1,033	785	31.6%	2,851	-63.8%	20,287	22,217	-8.7%
EUR/USD MONDAY OPTION WEE	3,017	714	322.5%	2,552	18.2%	30,054	23,638	27.1%
EUR/USD MONDAY OPTION WEE	1,962	1,165	68.4%	763	157.1%	12,385	16,753	-26.1%
EUR/USD MONDAY OPTION WEE	638	5,524	-88.5%	1,471	-56.6%	30,946	33,488	-7.6%
EUR/USD MONDAY OPTION WEE	0	3,149	-100.0%	766	-100.0%	5,022	9,094	-44.8%
EUR/USD MONTHLY OPTIONS	403,635	215,755	87.1%	337,205	19.7%	3,163,655	2,253,981	40.4%
EUR/USD WKLY FRIDAY OPTION	13,466	0	0.0%	3	448,766.7%	67,548	50,664	33.3%
EUR/USD WKLY FRIDAY OPTION	8,794	30,613	-71.3%	15,767	-44.2%	149,879	159,727	-6.2%
EUR/USD WKLY FRIDAY OPTION	19,159	33,627	-43.0%	15,399	24.4%	184,174	235,909	-21.9%
EUR/USD WKLY FRIDAY OPTION	12,419	16,656	-25.4%	15,885	-21.8%	198,796	205,882	-3.4%
EUR/USD WKLY FRIDAY OPTION	9	163	-94.5%	0	0.0%	59,030	85,936	-31.3%
EUR/USD WKLY WED OPTIONS -	3,254	8,027	-59.5%	9,153	-64.4%	71,213	75,117	-5.2%
EUR/USD WKLY WED OPTIONS -	5,111	9,353	-45.4%	7,267	-29.7%	61,332	79,721	-23.1%
EUR/USD WKLY WED OPTIONS -	5,963	9,834	-39.4%	5,698	4.7%	59,721	78,232	-23.7%
EUR/USD WKLY WED OPTIONS -	5,767	10,856	-46.9%	8,678	-33.5%	73,515	100,680	-27.0%
EUR/USD WKLY WED OPTIONS -	3,037	0	0.0%	0	0.0%	24,484	25,392	-3.6%
GBP/USD MONDAY OPTION WEE	688	239	187.9%	381	80.6%	5,977	5,439	9.9%
GBP/USD MONDAY OPTION WEE	451	729	-38.1%	509	-11.4%	11,163	7,977	39.9%
GBP/USD MONDAY OPTION WEE	643	1,948	-67.0%	273	135.5%	3,826	5,979	-36.0%
GBP/USD MONDAY OPTION WEE	483	3,233	-85.1%	829	-41.7%	6,192	10,588	-41.5%
GBP/USD MONDAY OPTION WEE	0	584	-100.0%	1,841	-100.0%	3,321	3,038	9.3%
GBP/USD MONTHLY OPTIONS	73,703	72,330	1.9%	105,333	-30.0%	932,018	816,211	14.2%
GBP/USD WKLY FRIDAY OPTION	1,615	0	0.0%	0	0.0%	10,748	12,507	-14.1%
GBP/USD WKLY FRIDAY OPTION	3,471	7,720	-55.0%	4,440	-21.8%	29,234	33,056	-11.6%
GBP/USD WKLY FRIDAY OPTION	7,043	4,994	41.0%	3,166	122.5%	40,350	36,073	11.9%
GBP/USD WKLY FRIDAY OPTION	2,378	3,754	-36.7%	2,516	-5.5%	33,189	41,626	-20.3%
GBP/USD WKLY FRIDAY OPTION	492	503	-2.2%	0	0.0%	11,169	11,560	-3.4%
GBP/USD WKLY WED OPTIONS -	661	1,288	-48.7%	2,198	-69.9%	14,089	13,489	4.4%
GBP/USD WKLY WED OPTIONS -	509	1,383	-63.2%	539	-5.6%	5,341	8,566	-37.6%
GBP/USD WKLY WED OPTIONS -	1,054	2,656	-60.3%	1,069	-1.4%	11,413	9,427	21.1%
GBP/USD WKLY WED OPTIONS -	803	3,775	-78.7%	1,586	-49.4%	13,191	16,253	-18.8%
GBP/USD WKLY WED OPTIONS -	650	0	0.0%	0	0.0%	1,320	2,591	-49.1%
JPY/USD MONDAY OPTION WEE	88	121	-27.3%	153	-42.5%	6,782	4,473	51.6%
JPY/USD MONDAY OPTION WEE	1,563	136	1,049.3%	438	256.8%	9,878	6,147	60.7%
JPY/USD MONDAY OPTION WEE	109	208	-47.6%	156	-30.1%	3,085	4,100	-24.8%
JPY/USD MONDAY OPTION WEE	289	640	-54.8%	6,372	-95.5%	16,044	4,919	226.2%
JPY/USD MONDAY OPTION WEE	0	200	-100.0%	720	-100.0%	967	2,897	-66.6%

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	VOLUME NOV 2022	VOLUME NOV 2021	% CHG	VOIUME OCT 2022	% CHG	VOLUME Y.T.D 2022	VOLUME Y.T.D 2021	% CHG
FX Options								
JPY/USD MONTHLY OPTIONS	81,572	92,479	-11.8%	141,887	-42.5%	1,564,054	972,884	60.8%
JPY/USD WKLY FRIDAY OPTION	6,206	0	0.0%	0	0.0%	39,044	28,897	35.1%
JPY/USD WKLY FRIDAY OPTION	6,686	17,647	-62.1%	10,664	-37.3%	88,956	70,338	26.5%
JPY/USD WKLY FRIDAY OPTION	11,494	13,707	-16.1%	15,618	-26.4%	130,108	112,869	15.3%
JPY/USD WKLY FRIDAY OPTION	3,909	8,335	-53.1%	12,765	-69.4%	117,744	101,277	16.3%
JPY/USD WKLY FRIDAY OPTION	21	310	-93.2%	0	0.0%	38,782	36,997	4.8%
JPY/USD WKLY WED OPTIONS -	1,728	5,984	-71.1%	9,752	-82.3%	42,323	34,295	23.4%
JPY/USD WKLY WED OPTIONS -	3,165	6,053	-47.7%	5,857	-46.0%	40,469	43,407	-6.8%
JPY/USD WKLY WED OPTIONS -	2,992	7,142	-58.1%	3,569	-16.2%	35,360	41,939	-15.7%
JPY/USD WKLY WED OPTIONS -	2,101	7,049	-70.2%	6,953	-69.8%	48,748	38,934	25.2%
JPY/USD WKLY WED OPTIONS -	3,561	0	0.0%	0	0.0%	15,566	9,879	57.6%
MXN/USD MONTHLY OPTIONS	954	972	-1.9%	353	170.3%	16,819	15,554	8.1%
MXN/USD WKLY FRIDAY OPTION	0	0	0.0%	0	-	0	0	0.0%
MXN/USD WKLY FRIDAY OPTION	0	300	-100.0%	0	0.0%	17	904	-98.1%
MXN/USD WKLY FRIDAY OPTION	100	0	0.0%	0	0.0%	100	552	-81.9%
MXN/USD WKLY FRIDAY OPTION	0	0	0.0%	0	0.0%	0	631	-100.0%
MXN/USD WKLY FRIDAY OPTION	0	0	0.0%	0	-	0	0	0.0%
MXN/USD WKLY FRIDAY OPTION	0	0	0.0%	0	-	0	0	0.0%
NZD/USD MONTHLY OPTIONS	4	587	-99.3%	10	-60.0%	23,736	2,648	796.4%
NZD/USD WKLY FRIDAY OPTION	0	0	0.0%	0	-	0	0	0.0%
NZD/USD WKLY FRIDAY OPTION	0	0	0.0%	0	0.0%	0	67	-100.0%
NZD/USD WKLY FRIDAY OPTION	0	0	0.0%	0	-	0	0	0.0%
RUB/USD MONTHLY OPTIONS	0	0	0.0%	0	0.0%	0	68	-100.0%
Foreign Exchange Futures								
CHILEAN PESO	0	0	-	0	0.0%	24	0	-
Foreign Exchange Options								
AUD/USD WKLY WED OPTIONS -	63	570	-88.9%	101	-37.6%	3,410	5,103	-33.2%

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	VOLUME NOV 2022	VOLUME NOV 2021	% CHG	VOIUME OCT 2022	% CHG	VOLUME Y.T.D 2022	VOLUME Y.T.D 2021	% CHG
Ag Products Futures								
BLOCK CHEESE	189	270	-30.0%	326	-42.0%	3,607	8,130	-55.6%
BUTTER CS	3,775	3,881	-2.7%	4,117	-8.3%	46,494	44,996	3.3%
CASH-SETTLED CHEESE	9,198	15,286	-39.8%	9,136	0.7%	107,967	132,810	-18.7%
CAT ASIA WEATHER	0	0	0.0%	0	0.0%	0	1,200	-100.0%
CATTLE	1,213,876	1,274,084	-4.7%	1,051,565	15.4%	13,255,633	12,987,806	2.1%
CAT WEATHER EUROPEAN	0	0	0.0%	0	0.0%	0	500	-100.0%
CDD SEASONAL STRIP	0	0	0.0%	0	0.0%	7,400	6,275	17.9%
CDD WEATHER	0	0	0.0%	0	0.0%	23,650	9,325	153.6%
CLASS IV MILK	1,444	4,024	-64.1%	1,443	0.1%	27,406	17,996	52.3%
DRY WHEY	669	1,565	-57.3%	497	34.6%	10,733	21,415	-49.9%
FEEDER CATTLE	279,193	234,357	19.1%	307,268	-9.1%	3,105,499	2,830,171	9.7%
GOLDMAN SACHS	2,996	5,090	-41.1%	3,178	-5.7%	42,409	93,111	-54.5%
GSCI EXCESS RETURN FUT	528	4,542	-88.4%	899	-41.3%	406,034	377,790	7.5%
HDD EURO SEASONAL STRIP	0	0	0.0%	1,000	-100.0%	3,375	0	0.0%
HDD SEASONAL STRIP	0	0	0.0%	150	-100.0%	3,900	500	680.0%
HDD WEATHER	4,875	3,300	47.7%	7,350	-33.7%	21,900	23,950	-8.6%
HDD WEATHER EUROPEAN	500	4,500	-88.9%	3,950	-87.3%	8,325	11,350	-26.7%
HOGS	948,713	968,964	-2.1%	898,146	5.6%	10,606,337	10,659,044	-0.5%
HOUSING INDEX	17	20	-15.0%	15	13.3%	173	152	13.8%
LUMBER	8,409	7,368	14.1%	12,521	-32.8%	98,625	106,276	-7.2%
MALAYSIAN PALM SWAP	0	1,890	-100.0%	0	0.0%	0	89,946	-100.0%
MILK	26,407	32,169	-17.9%	21,684	21.8%	313,326	277,619	12.9%
MLK MID OPTIONS	0	0	0.0%	0	0.0%	0	0	0.0%
NFD MILK	4,899	5,510	-11.1%	5,963	-17.8%	62,423	61,192	2.0%
PACIFIC RIM DAT SS WTHR	0	0	0.0%	0	0.0%	0	1,000	-100.0%
PORK CUTOUT	1,489	2,221	-33.0%	1,607	-7.3%	22,861	26,382	-13.3%
S&P GSCI ENHANCED ER SWAP	0	0	0.0%	0	0.0%	0	6,006	-100.0%
USD CRUDE PALM OIL	15,935	29,262	-45.5%	16,009	-0.5%	235,499	105,470	123.3%



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	VOLUME NOV 2022	VOLUME NOV 2021	% CHG	VOIUME OCT 2022	% CHG	VOLUME Y.T.D 2022	VOLUME Y.T.D 2021	% CHG
Ag Products Options								
BLOCK CHEESE	0	0	0.0%	6	-100.0%	2,515	3,129	-19.6%
BUTTER CS	2,225	1,862	19.5%	1,963	13.3%	18,190	21,915	-17.0%
CASH-SETTLED CHEESE	4,946	5,395	-8.3%	6,333	-21.9%	76,490	69,588	9.9%
CATTLE	210,304	240,347	-12.5%	192,076	9.5%	2,355,024	2,133,807	10.4%
CDD SEASONAL STRIP	0	0	0.0%	0	0.0%	20,500	8,450	142.6%
CDD WEATHER	0	0	0.0%	0	0.0%	1,100	6,250	-82.4%
CLASS IV MILK	8,096	7,926	2.1%	6,561	23.4%	82,713	47,385	74.6%
DRY WHEY	0	225	-100.0%	5	-100.0%	3,234	1,983	63.1%
FEEDER CATTLE	29,902	27,536	8.6%	38,506	-22.3%	392,226	243,589	61.0%
HDD EURO SEASONAL STRIP	0	0	0.0%	2,000	-100.0%	6,750	2,000	237.5%
HDD SEASONAL STRIP	0	0	0.0%	1,500	-100.0%	4,000	28,920	-86.2%
HDD WEATHER	100	0	0.0%	500	-80.0%	12,900	7,250	77.9%
HDD WEATHER EUROPEAN	0	2,000	-100.0%	1,000	-100.0%	2,000	24,250	-91.8%
HOGS	183,582	180,804	1.5%	227,260	-19.2%	2,497,659	2,235,718	11.7%
HOUSING INDEX	0	0	0.0%	0	-	0	0	0.0%
LUMBER	206	539	-61.8%	380	-45.8%	4,316	7,648	-43.6%
LV CATL CSO	0	0	0.0%	0	-	0	0	0.0%
MILK	36,026	25,080	43.6%	23,543	53.0%	274,765	286,358	-4.0%
MLK MID OPTIONS	1	12	-91.7%	0	0.0%	46	28	64.3%
NFD MILK	4,043	2,995	35.0%	6,434	-37.2%	48,728	43,628	11.7%
PORK CUTOUT	10	0	0.0%	0	0.0%	45	750	-94.0%

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	VOLUME NOV 2022	VOLUME NOV 2021	% CHG	VOIUME OCT 2022	% CHG	VOLUME Y.T.D 2022	VOLUME Y.T.D 2021	% CHG
TOTAL FUTURES GROUP								
Interest Rate Futures	64,147,919	66,900,908	-4.1%	59,418,053	8.0%	785,740,205	601,453,444	30.6%
Equity Index Futures	111,666,868	91,073,212	22.6%	139,864,402	-20.2%	1,402,627,123	1,000,988,564	40.1%
FX Futures	18,569,900	15,982,589	16.2%	20,633,015	-10.0%	215,868,446	173,451,107	24.5%
Foreign Exchange Futures	0	0	-	0	0.0%	24	0	-
Ag Products Futures	2,523,112	2,598,303	-2.9%	2,346,824	7.5%	28,413,576	27,900,412	1.8%
TOTAL FUTURES	196,907,799	176,555,012	11.5%	222,262,294	-11.4%	2,432,649,374	1,803,793,527	34.9%
TOTAL OPTIONS GROUP								
Equity Index Options	26,198,629	20,189,069	29.8%	30,822,376	-15.0%	280,162,024	167,348,485	67.4%
Interest Rate Options	30,684,749	30,151,228	1.8%	31,321,036	-2.0%	293,622,167	246,121,615	19.3%
FX Options	919,719	831,417	10.6%	919,736	0.0%	9,967,334	8,556,532	16.5%
Ag Products Options	479,441	494,721	-3.1%	508,067	-5.6%	5,803,201	5,172,646	12.2%
Foreign Exchange Options	63	570	-88.9%	101	-37.6%	3,410	5,103	-33.2%
TOTAL OPTIONS	58,282,601	51,667,005	12.8%	63,571,316	-8.3%	589,558,136	427,204,381	38.0%
TOTAL COMBINED								
Interest Rate	94,832,668	97,052,136	-2.3%	90,739,089	4.5%	1,079,362,372	847,575,059	27.3%
Equity Index	137,865,497	111,262,281	23.9%	170,686,778	-19.2%	1,682,789,147	1,168,337,049	44.0%
FX	19,489,619	16,814,006	15.9%	21,552,751	-9.6%	225,835,780	182,007,639	24.1%
Foreign Exchange	63	570	-88.9%	101	-37.6%	3,434	5,103	-32.7%
Ag Products	3,002,553	3,093,024	-2.9%	2,854,891	5.2%	34,216,777	33,073,058	3.5%
GRAND TOTAL	255,190,400	228,222,017	11.8%	285,833,610	-10.7%	3,022,207,510	2,230,997,908	35.5%

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