

Freight -FFA							31-Oct-22				
Dry FFA Spot \$/Day	12 Month Avg	12 Month Low	12 Month High	Avg Weekly Volume	Avg Weekly Notional Value Million \$	YTD Market Volume	Open Interest/day	YTD Notional Value Million \$	30 Day Volatility	14 Day True Range \$/Day	Trading Exchange
Cape5TC	18,194	2,505	43,030	16,299	296.5	700,841	154,391	12,751	86.3%	702.7	EEX, SGX
Panamax4TC	20,534	9,620	29,410	17,714	363.7	761,721	171,376	15,641	37.3%	290.3	EEX, SGX
Supramax10TC	23,695	13,050	33,366	8,433	199.8	362,601	83,852	8,592	25.5%	315.1	EEX, SGX
Options	/	/	/	7,589	185.0	326,313	221,709	7,954	/	/	EEX, SGX
Wet FFA Spot \$/mt	12 Month Avg	12 Month Low	12 Month High	Avg Weekly Volume/mt	Avg Weekly Notional Value Million \$	YTD Market Volume	Open Interest/mt	YTD Notional Value Million \$	30 Day Volatility	14 Day True Range \$/mt	Trading Exchange
TD3C	9.85	5.81	20.31	6,125,326	60.3	263,389,000	69,154,000	2,595.0	63.9%	0.398	ICE, CME
TD20	14.52	7.40	27.29	2,237,674	32.5	96,220,000	29,208,000	1,396.7	56.9%	0.709	ICE, CME
TC2_37	28.94	13.54	49.24	1,272,442	36.8	54,715,000	9,308,000	1,583.6	36.1%	0.558	ICE, CME
TC5	42.59	19.54	77.60	1,845,628	78.6	79,362,000	14,765,000	3,380.2	72.9%	0.618	ICE, CME
TC6	17.48	8.86	33.36	529,977	9.3	22,789,000	4,524,000	398.5	57.3%	0.409	ICE, CME
TC14	33.45	14.43	79.67	914,721	30.6	39,333,000	7,770,000	1,315.5	138.4%	1.071	ICE, CME
Iron Ore							31-Oct-22				
Iron Ore Spot \$/mt	12 Month Avg	12 Month Low	12 Month High	Avg Weekly Volume	Avg Weekly Notional Value Million \$	YTD Market Volume	Open Interest	YTD Notional Value Million \$	30 Day Volatility	14 Day True Range	Trading Exchange
Iron Ore 62% Fe	120.48	79.50	162.75	45,006,537	5,422.6	1,935,281,100	88,404,700	233,172	19.5%	0.528	CME, SGX
Iron Ore 65% Fe	140.40	90.80	191.70	837,698	117.6	36,021,000	2,665,100	5,057	15.2%	0.551	CME, SGX
Options IO 62% Fe	/	/	/	10,617,488	1,279.2	456,552,000	79,263,300	55,008	/	/	CME, SGX
Energy							31-Oct-22				
Coking Coal Spot \$/mt	12 Month Avg	12 Month Low	12 Month High	Avg Weekly Volume	Avg Weekly Notional Value Million \$	YTD Market Volume	Open Interest	YTD Notional Value Million \$	30 Day Volatility	14 Day True Range	Trading Exchange
Coking Coal Australia	377.75	188.00	670.50	104,158	39.3	4,478,800	1,480,900	1,692	10.9%	0.992	SGX
Fuel Oil Spot \$/mt	12 Month Avg	12 Month Low	12 Month High	Avg Weekly Volume	Avg Weekly Notional Value Million \$	YTD Market Volume	Open Interest	YTD Notional Value Million \$	30 Day Volatility	14 Day True Range	Trading Exchange
Singapore 380cst Fuel Oil	502.32	342.39	715.96	10,055,140	5,050.9	432,371,000	17,885,000	217,188	30.2%	3.166	ICE, CME, SGX
3.5% FOB Rotterdam Barges	487.36	342.25	694.00	5,900,116	2,875.5	253,705,000	13,293,000	123,646	45.6%	10.992	ICE, CME
Marine Fuel 0.5% Singapore	751.45	555.48	1057.61	8,195,791	6,158.7	352,419,000	13,245,000	264,825	19.7%	3.850	ICE, CME, SGX
Emissions Active Contracts /mt	12 Month Avg	12 Month Low	12 Month High	Avg Weekly Volume	Avg Weekly Notional Value Million €/€	YTD Market Volume	Open Interest	YTD Notional Value Million €	30 Day Volatility	14 Day True Range	Trading Exchange
EUA Futures €/mt	79.62	57.93	97.67	154,355,140	12,289.6	6,637,271,000	827,303,000	528,454	51.2%	3.662	ICE, EEX
EUA Options €/mt	/	/	/	43,072,907	3,429.4	1,852,135,000	376,233,000	147,466	/	/	ICE, EEX
GEO Futures \$/mt	5.41	3.09	8.00	751,605	4.1	32,319,000	7,198,000	175	49.6%	0.075	CME
N-GEO Futures \$/mt	12.90	9.33	16.98	2,761,907	35.6	118,762,000	14,160,000	1,532	30.5%	0.178	CME
Natural Gas Active Contracts	12 Month Avg	12 Month Low	12 Month High	Avg Weekly Volume	Avg Weekly Notional Value Million \$	YTD Market Volume	Open Interest	YTD Notional Value Million \$	30 Day Volatility	14 Day True Range	Trading Exchange
LNG Japan/Korea Marker \$/MMBtu	35.04	20.03	69.96	116,445,814	4,080.8	5,007,170,000	788,300,000	175,474	78.9%	1.026	ICE, CME
LPG Propane Far East \$/mt	768.19	606.04	1001.03	3,703,581	2,845.1	159,254,000	13,547,000	122,338	30.3%	3.648	ICE, CME
LPG Propane Saudi CP \$/mt	739.76	549.84	968.48	1,251,535	925.8	53,816,000	4,432,000	39,811	35.2%	7.801	ICE, CME
Ferrous Metals							31-Oct-22				
Active Contract \$/mt	12 Month Avg	12 Month Low	12 Month High	Avg Weekly Volume	Avg Weekly Notional Value Million \$	YTD Market Volume	Open Interest	YTD Notional Value Million \$	30 Day Volatility	14 Day True Range	Trading Exchange
CME CRU HRC \$/short ton	1181	697	1813	103,470	122.2	4,449,200	447,760	5,255.5	29.9%	19.189	CME
CME European HRC	952	685	1400	16,589	15.8	713,320	122,740	679.1	15.6%	4.122	CME
US Busheling Scrap	568	370	900	12,125	6.9	521,360	139,720	296.2	16.3%	0.805	CME
LME Steel Scrap	467	355	700	80,944	37.8	3,480,610	109,250	1,626.0	8.6%	1.435	LME
LME Steel Rebar	743	625	950	19,510	14.5	838,920	15,710	623.3	11.1%	3.386	LME
LME China HRC	720	545	898	8,748	6.3	376,180	11,210	270.8	26.1%	9.996	LME
Base Metals							31-Oct-22				
Active Contract \$/mt	12 Month Avg	12 Month Low	12 Month High	Avg Weekly Volume	Avg Weekly Notional Value Million \$	YTD Market Volume	Open Interest	YTD Notional Value Million \$	30 Day Volatility	14 Day True Range	Trading Exchange
CME Aluminium Premium US \$/pound	0.3121	0.2054	0.4001	41,220	28.4	1,772,475	787,750	1,219.9	26.5%	0.0011	CME
CME Aluminium Premium EU EDP	472.40	270.00	615.00	30,083	14.2	1,293,550	510,575	611.1	113.1%	4.752	CME
CME Aluminium Premium EU AEP	386.39	220.00	505.00	10,164	3.9	437,050	151,075	168.9	48.0%	2.192	CME
LME Aluminium High Grade	2,756	2,107	3,876	27,480,806	75,745	1,181,674,675	10,583,125	3,257,029	40.5%	70.4	LME
LME Copper	9,067	7,162	10,701	14,865,338	134,782	639,209,525	3,616,300	5,795,635	24.4%	157.1	LME
LME Lead	2,179	1,742	2,471	5,133,327	11,184	220,733,075	308,040	480,892	45.1%	51.1	LME
LME Nickel	24,997	19,155	48,211	1,533,181	38,325	65,926,764	630,570	1,647,991	36.6%	359.8	LME
LME Tin	34,084	17,673	48,855	95,755	3,264	4,117,455	33,635	140,338	35.1%	333.7	LME
LME Zinc	3,533	2,726	4,523	10,954,859	38,702	471,058,950	3,060,225	1,664,183	34.5%	80.5	LME
EV Metals							31-Oct-22				
Active Contract \$/tonne	12 Month Avg	12 Month Low	12 Month High	Avg Weekly Volume	Avg Weekly Notional Value Million \$	YTD Market Volume	Open Interest	YTD Notional Value Million \$	30 Day Volatility	14 Day True Range	Trading Exchange
Cobalt standard grade in-whs Rotterdam	71,603	53,550	88,471	261	18.7	11,225	8,271	803.7	4.6%	74.075	CME, LME
Fertilizer							31-Oct-22				
Spot \$/mt	12 Month Avg	12 Month Low	12 Month High	Avg Weekly Volume	Avg Weekly Notional Value Million \$	YTD Market Volume	Open Interest	YTD Notional Value Million \$	30 Day Volatility	14 Day True Range	Trading Exchange
Urea (gran) CFR Brazil	720	545	995	4,360	3.1	187,500	21,500	135.0	20.0%	2.306	CME
Urea (gran) FOB Middle East	735	513	962	15,663	11.5	673,500	34,500	494.9	46.5%	11.793	CME
Urea (gran) FOB US Gulf	650	440	909	45,498	29.6	1,956,400	176,100	1,272.0	31.2%	9.169	CME

Data Source: Baltic, CME, SGX, LME, ICE Exchanges and Bloomberg data. Spot price implies to the settlement price and index of the future product, index publishers include Baltic Freight, Fastmarkets MB, Platts, TSI, Argus, CRU, Profercy Indices.

Please Note: LME volume and trades in some cases generated three reportable lots instead of one lot.

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