

Freight -FFA							24-Dec-21				
Dry FFA Spot \$/Day	12 Month Avg	12 Month Low	12 Month High	Avg Weekly Volume	Avg Weekly Notional Value Million \$	2021 Market Volume	Open Interest/day	2021 Notional Value Million \$	30 Day Volatility	14 Day True Range \$/Day	Trading Exchange
Cape5TC	33,333	10,304	86,953	16,795	559.8	873,356	140,868	29,112	120.3%	1667.6	EEX, SGX
Panamax4TC	25,562	12,197	37,616	23,347	596.8	1,214,039	209,319	31,033	68.7%	604.8	EEX, SGX
Supramax10TC	26,770	11,242	39,860	8,569	229.4	445,584	81,758	11,928	17.5%	310.2	EEX, SGX
Options	/	/	/	7,708	219.0	400,835	164,265	11,386	/	/	EEX, SGX
Wet FFA Spot \$/mt	12 Month Avg	12 Month Low	12 Month High	Avg Weekly Volume/mt	Avg Weekly Notional Value Million \$	2021 Market Volume	Open Interest/mt	2021 Notional Value Million \$	30 Day Volatility	14 Day True Range \$/mt	Trading Exchange
TD3C	6.40	5.16	8.44	5,825,712	37.3	302,937,000	78,670,000	1,940	19.3%	0.069	ICE, CME
TD20	8.18	5.28	11.71	741,423	6.1	38,554,000	9,010,000	315	63.4%	0.281	ICE, CME
TC2_37	15.36	9.27	23.32	1,074,673	16.5	55,883,000	6,445,000	859	50.2%	0.424	ICE, CME
TC5	21.51	15.08	28.86	1,021,846	22.0	53,136,000	5,432,000	1,143	29.4%	0.240	ICE, CME
TC6	9.31	5.51	20.95	544,000	5.1	28,288,000	3,760,000	263	143.2%	0.619	ICE, CME
TC14	14.64	9.88	27.58	575,327	8.4	29,917,000	3,315,000	438	85.3%	0.695	ICE, CME
Iron Ore							24-Dec-21				
Iron Ore Spot \$/mt	12 Month Avg	12 Month Low	12 Month High	Avg Weekly Volume	Avg Weekly Notional Value Million \$	2021 Market Volume	Open Interest	2021 Notional Value Million \$	30 Day Volatility	14 Day True Range	Trading Exchange
Iron Ore 62% Fe	159.49	87.20	233.10	35,009,542	5,583.7	1,820,496,200	96,833,000	290,353	35.3%	2.941	CME, SGX
Iron Ore 65% Fe	185.18	102.00	267.80	1,072,360	198.6	55,762,700	3,800,700	10,326	31.9%	11.643	CME, SGX
Options IO 62% Fe	/	/	/	6,456,433	1,029.7	335,734,500	64,283,500	53,547	/	/	CME, SGX
Energy							24-Dec-21				
Coking Coal Spot \$/mt	12 Month Avg	12 Month Low	12 Month High	Avg Weekly Volume	Avg Weekly Notional Value Million \$	2021 Market Volume	Open Interest	2021 Notional Value Million \$	30 Day Volatility	14 Day True Range	Trading Exchange
Coking Coal Australia	225.80	99.50	408.50	192,881	43.6	10,029,800	2,816,000	2,265	58.8%	1.617	CME, SGX
Fuel Oil Spot \$/mt	12 Month Avg	12 Month Low	12 Month High	Avg Weekly Volume	Avg Weekly Notional Value Million \$	2021 Market Volume	Open Interest	2021 Notional Value Million \$	30 Day Volatility	14 Day True Range	Trading Exchange
Singapore 380cst Fuel Oil	401.84	301.10	511.17	6,317,827	2,538.7	328,527,000	12,773,000	132,014	49.5%	2.183	ICE, CME, SGX
3.5% FOB Rotterdam Barges	384.08	281.75	479.00	6,685,596	2,567.8	347,651,000	18,025,000	133,524	31.8%	9.739	ICE, CME
Marine Fuel 0.5% Singapore	521.24	397.56	622.85	7,036,558	3,667.7	365,901,000	17,496,000	190,722	38.4%	2.959	ICE, CME, SGX
Emissions Active Contracts €/mt	12 Month Avg	12 Month Low	12 Month High	Avg Weekly Volume	Avg Weekly Notional Value Million €	2021 Market Volume	Open Interest	2021 Notional Value Million €	30 Day Volatility	14 Day True Range	Trading Exchange
EUA Futures	52.65	31.54	88.88	206,828,269	10,889.5	10,755,070,000	765,116,000	566,254	75.8%	4.834	ICE, EEX
EUA Options	/	/	/	87,496,288	4,606.7	4,549,807,000	312,584,000	239,547	/	/	ICE, EEX
Natural Gas Active Contracts	12 Month Avg	12 Month Low	12 Month High	Avg Weekly Volume	Avg Weekly Notional Value Million \$	2021 Market Volume	Open Interest	2021 Notional Value Million \$	30 Day Volatility	14 Day True Range	Trading Exchange
LNG Japan/Korea Marker \$/MMBtu	17.55	5.81	49.35	190,885,385	3,349.7	9,926,040,000	1,158,910,000	174,187	110.3%	2.703	ICE, CME
LPG Propane Far East \$/mt	667.75	528.98	907.47	3,315,769	2,214.1	172,420,000	11,627,000	115,133	73.1%	4.685	ICE, CME
LPG Propane Saudi CP \$/mt	645.01	471.15	883.29	1,116,769	720.3	58,072,000	4,098,000	37,457	69.7%	10.382	ICE, CME
Ferrous Metals							24-Dec-21				
Active Contract \$/mt	12 Month Avg	12 Month Low	12 Month High	Avg Weekly Volume	Avg Weekly Notional Value Million \$	2021 Market Volume	Open Interest	2021 Notional Value Million \$	30 Day Volatility	14 Day True Range	Trading Exchange
CME CRU HRC \$/short ton	1574	867	1945	94,939	149.4	4,936,820	869,280	7,769.3	27.9%	25.905	CME
US Busheling Scrap	599	465	684	6,481	3.9	337,000	78,880	202.0	12.0%	1.807	CME
LME Steel Scrap	466	388	525	49,483	23.1	2,573,140	58,360	1,199.4	24.9%	3.471	LME
LME Steel Rebar	683	563	794	10,536	7.2	547,850	25,690	374.1	20.5%	4.693	LME
LME China HRC	828	615	1025	8,690	7.2	451,860	6,040	374.1	26.2%	5.659	LME
Base Metals							24-Dec-21				
Active Contract \$/mt	12 Month Avg	12 Month Low	12 Month High	Avg Weekly Volume	Avg Weekly Notional Value Million \$	2021 Market Volume	Open Interest	2021 Notional Value Million \$	30 Day Volatility	14 Day True Range	Trading Exchange
CME Aluminium Premium US \$/pound	0.2594	0.1418	0.3496	40,938	23.4	2,128,775	598,750	1,217.5	46.3%	0.0020	CME
CME Aluminium Premium EU EDP	265.76	140.56	382.81	22,340	5.9	1,161,700	402,675	308.7	35.2%	4.064	CME
CME Aluminium Premium EU AEP	216.13	107.14	305.00	16,955	3.7	881,650	200,325	190.6	37.5%	2.020	CME
LME Aluminium High Grade	2,463	1,954	3,150	29,234,191	72,014	1,520,177,925	11,350,450	3,744,725	28.6%	57.6	LME
LME Copper	9,284	7,758	11,300	15,062,285	139,842	783,238,800	3,846,975	7,271,768	21.6%	135.2	LME
LME Lead	2,187	1,903	2,475	5,184,272	11,335	269,582,125	345,564	589,444	29.3%	34.9	LME
LME Nickel	18,393	15,909	21,026	2,000,531	36,795	104,027,604	918,276	1,913,357	25.3%	286.8	LME
LME Tin	32,000	20,356	41,073	99,049	3,170	5,150,555	38,650	164,816	20.3%	341.7	LME
LME Zinc	2,991	2,550	3,845	10,474,077	31,324	544,652,002	4,388,800	1,628,853	29.1%	64.3	LME
EV Metals							24-Dec-21				
Active Contract \$/tonne	12 Month Avg	12 Month Low	12 Month High	Avg Weekly Volume	Avg Weekly Notional Value Million \$	2021 Market Volume	Open Interest	2021 Notional Value Million \$	30 Day Volatility	14 Day True Range	Trading Exchange
Cobalt standard grade in-whs Rotterdam	52,531	34,392	73,083	82	4.3	4,238	1,503	222.6	21.6%	104.058	CME, LME
Fertilizer							24-Dec-21				
Spot \$/mt	12 Month Avg	12 Month Low	12 Month High	Avg Weekly Volume	Avg Weekly Notional Value Million \$	2021 Market Volume	Open Interest	2021 Notional Value Million \$	30 Day Volatility	14 Day True Range	Trading Exchange
Urea (gran) CFR Brazil	525	290	880	11,125	5.8	578,500	33,000	303.9	18.4%	4.937	CME
Urea (gran) FOB Middle East	513	283	962	13,394	6.9	696,500	17,000	357.6	11.5%	10.547	CME
Urea (gran) FOB US Gulf	486	269	808	59,873	29.1	3,113,400	305,000	1,513.9	30.0%	3.721	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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