CargoMetrics Iron Ore Pack
Better-Built Data™

Company

Since 2009, CargoMetrics has been a leader in the analysis of global maritime trade. Our Company has a heritage rooted in data science, financial markets, and maritime innovation. Our data power high-value applications used and trusted by some of the world's leading hedge funds, investors, and maritime shipping & logistics firms.
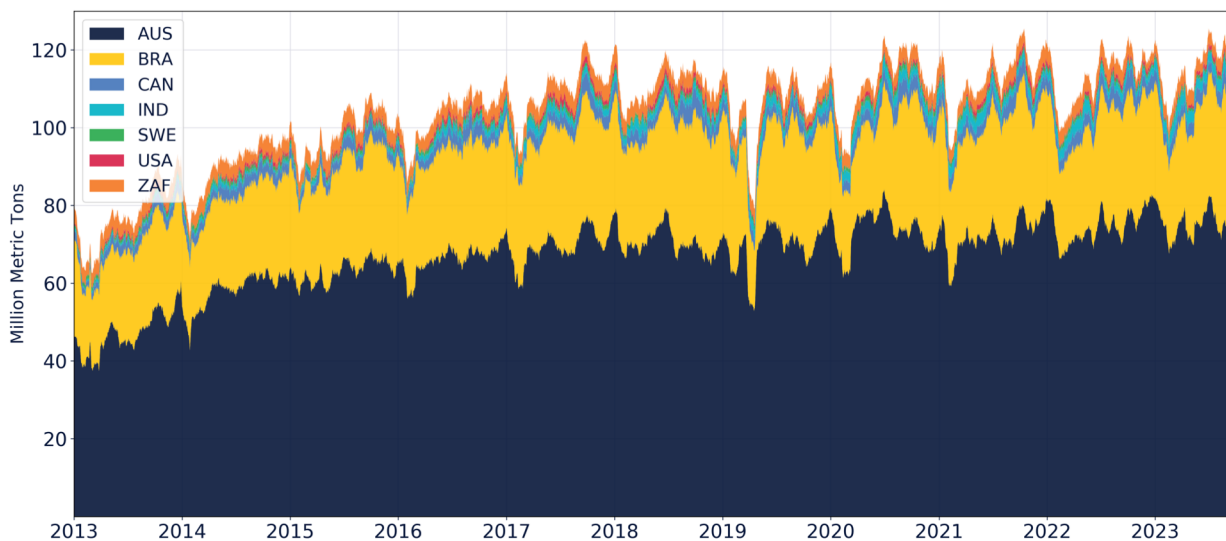
Product Highlights

The CargoMetrics Iron Ore Pack measures seaborne Iron Ore trade and provides

o **Global coverage** constituting > 90% of global import and export trade volume
o **Point-in-time** daily data
o **History** from January 2013 to present
o **The ability** to model, learn, train, and backtest in order to make reliable, data-driven decisions

The Company's approach to data production and monitoring is fully systematic, with an emphasis on automation.

SPECIFICATIONS	
Time Period	2013-01-01 to present
Cargo	Iron ore
Units	Metric tons
Coverage	Global exports and imports, 25+ countries
Frequency	Daily (12:00 UTC); weekly; monthly
Data Outputs	CSV file
Data Delivery	AWS Data Exchange
Markets	SGX, DCE iron ore

IRON ORE EXPORTS, MAJOR EXPORTERS (30-DAY ROLLING TOTAL)

CargoMetrics® Iron Ore Pack www.cargometrics.com

For more information about this product or to request a trial, contact sales@cargometrics.com.

Product Types

Iron Ore Pack: Seaborne Iron Ore trade data by country, comprising more than 90% of global imports and exports. Data are point-in-time without look-ahead bias.

Advanced – Each file (published on day T) contains a daily time series, through day T-3 for imports and exports, derived from the most up-to-date data available on day T. The collection of daily files forms a full point-in-time dataset that enables wide ranging exploration of Iron Ore trade by country, trade direction, and time and supports training and backtesting exercises as well as use cases requiring custom lags or transformation. Subscription includes access to all historical and future files.

Standard – Available in weekly (Saturday to Friday) and monthly versions. Each file contains a time series with complete history derived from the most up-to-date data available the day it is published. The Standard products are views derived from the Advanced product. Subscription include access to all future files.

Use Cases and Market Applications

The Iron Ore Pack's long history and point-in-time structure make the data well suited for a wide range of applications, including:

- Constructing robust systematic, quantitative trading strategies
- Researching the relationships between global Iron Ore trade and some of the world's deepest financial markets including:
    - Iron Ore futures and spreads (SGX Iron Ore Futures, DCE Iron Ore Futures)
    - Equities (e.g., sector ETFs, individual miners)
    - Freight (Capesize and Suezmax FFAs, freight futures)
- Enhancing existing fundamental models and price forecasts
- Measuring national and global trade volumes, changes, and trends
- Monitoring the impact of trade disruptions and geopolitical events (e.g. sanctions)

Methodology

Products are derived from our patented maritime system that has been powering high-value applications for over a decade. The system is a comprehensive spatial-temporal graph of maritime trade with visibility to all dimensions of the trade – all vessels, voyages, cargoes, and geographies throughout time. Our perspective is global and our approach is fully systematic with true point-in-time organization of data and deployment of physical modeling, statistical modeling, and machine learning techniques. Our methodology reflects an emphasis on trustworthiness, consistency, and repeatability.

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Select System Inputs

Satellite and terrestrial receiver data – including 1 billion ship position messages received daily

Vessel data – specifications on more than 100,000 ships

Port data – intelligence on 6,000 ports including 45,000 berths in 150+ countries   and territories

Pricing data – freight and financial instrument prices

Training and validation data

Data Snapshot

CargoMetrics Iron Ore Pack – Advanced

publication_timestamp	activity_date	cargo	country	direction	mass
2023-10-04T12:00:00Z	2023-10-01	iron_ore	IND	export	103416
2023-10-04T12:00:00Z	2023-10-01	iron_ore	CAN	export	215210
2023-10-04T12:00:00Z	2023-10-01	iron_ore	KOR	import	143973
...	...	...	...	...	...
2013-01-04T12:00:00Z	2013-01-01	iron_ore	AUS	export	1591401
2013-01-04T12:00:00Z	2013-01-01	iron_ore	BRA	export	166027
2013-01-04T12:00:00Z	2013-01-01	iron_ore	CHN	import	928013

The time series in Tidy Data format enable subscribers to easily and consistently research, model, run backtests, and unlock alpha and insight using combinations of countries, trade direction, and timing.

Geographic Coverage

Exporting Countries: Australia, Brazil, Canada, Chile, India, Malaysia, Mauritania, Peru, Russia, South Africa, Sweden, Ukraine, United States

Importing Countries: Bahrain, China, France, Germany, Indonesia, Japan, Malaysia, Oman, Russia, South Korea, Netherlands, Türkiye, United Kingdom, Vietnam

CargoMetrics also provides bespoke data products and professional services

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