

# Top-of-Book (BBO) Files

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*The CME DataMine Top-of-Book files provide the top bid, bid volume, ask, ask volume, last trade price, and last trade volume of the order book for all Globex traded products.*

## **How far back do you maintain Top-of-Book (BBO) records?**

The start date of BBO records is dependent on the product. Product start dates can be found [here](#).

## **What is the granularity of the timestamp for orders and trades?**

Trades and orders are time stamped to the second.

## **Do the Top-of-Book files contain the same trade information as the Time & Sales files?**

Yes, the Time& Sales information is a subset of the Top-of-Book data. Top-of-Book has the added benefit of providing the best bids and offers in addition to trade information.

## **Does Top-of-Book come from the same source as Market Depth and Time & Sales data?**

Top-of-Book and Time& Sales files are produced from internal post-trade processing system. Market Depth files come directly from our FIX/FAST market data platform. The granularities of the timestamps for the data offerings are different due to the sources.

## **What is the format of the Top-of-Book files?**

CME DataMine Top-of-Book files are currently available exclusively in ASCII format. A file layout guide and examples are available [here](#).

## **How are trades aggregated in the Top-of-Book files?**

Trades that happen in the same second are each given a specific sequence number and are ordered in the same sequence that they were sent out over the market data feed.



**Are spreads included in the Top-of-Book files?**

Exchange Defined option spreads are displayed in outright options files.

*Our Top-of-Book offering also includes the opportunity to order a daily or monthly subscription in which files are automatically placed in the customer's FTP directory at the chosen time interval. Below are frequently asked questions from our Top-of-Book subscription customers:*

**What time are the daily update files uploaded to my FTP directory?**

CME Group's process to distribute Top-of-Book files to customer directories begins at midnight and is typically complete by 2am. Please be aware that the arrival time of files can vary considerably due to delays in upstream processes.

**If I purchase daily updates of Top-of-Book data, will I get historical data as well?**

No. When an order is placed for daily updates of Top-of-Book data, the first file included will be generated for the start date of the subscription. Historical data is sold individually of Datamine update subscriptions.