NYSE PILLAR Trade Ops Portal (TOP) USER GUIDE

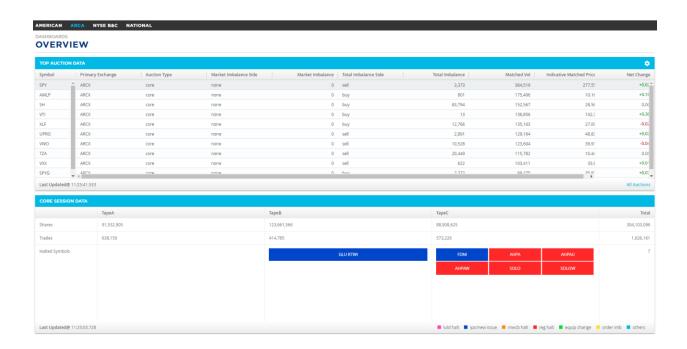
Navigation Pane

The navigation pane is located on the black banner along the top of the page. Hover your mouse over each market to display the available search links for that market.

Dashboards

OVERVIEW

- o Displays the selected market's Top Ten Auction by Matched Volume
- o Displays Core Session Data
 - Trades broken down by Tape
 - Shares traded broken down by Tape
 - Halted Symbols broken down by Tape
 - Color coded by Halt Type

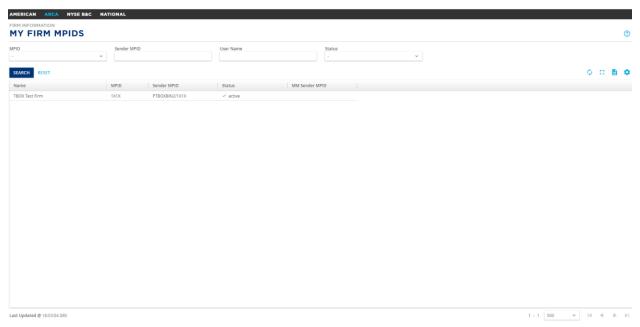


Firm Information

My Firm MPIDs

- O Query Session Details based on the following criteria:
 - MPID free form text

- SENDER MPID free form text
- Status
 - All
 - Active
 - Prospect
 - Inactive
- o Exportable to Excel
- O Display Grid is customizable by selecting/unselecting columns



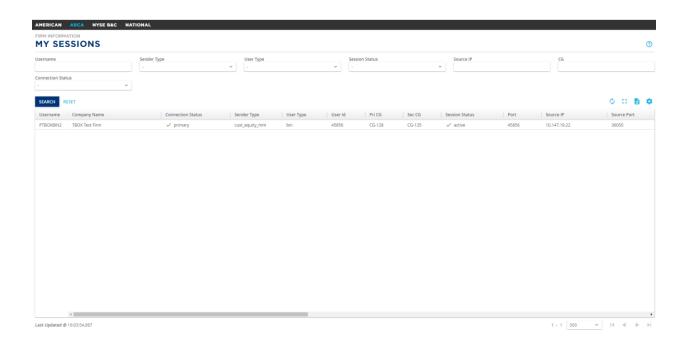
My Sessions

- o Query Session Details based on the following criteria:
 - Username
 - Sender Type
 - Algo
 - Broker
 - Customer Equity MM
 - Direct to Broker
 - DMM
 - Options MM
 - Service Bureau
 - User Type
 - Binary

- Binary Drop Copy
- FIX
- FIX Drop Copy

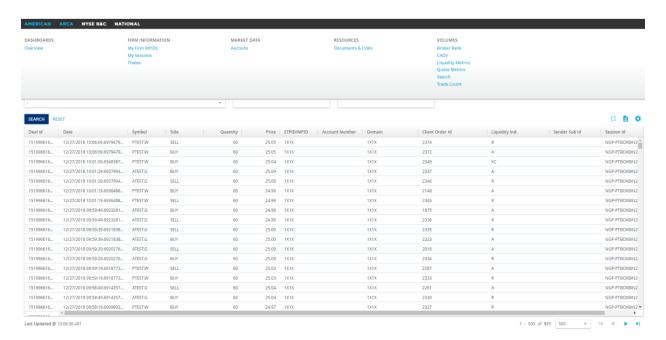
.

- Session Status
 - All
 - Active- session is connected and live
 - Prospect- session is connected but not live
 - Inactive- session is not connected
- Source IP
- CG (Customer Gateway)
- Connection Status
 - All
 - Connected
 - Primary
 - Secondary
 - Disconnected
 - None
- o Exportable to Excel
- o Display Grid is customizable using the "GEAR" icon
- Help button defines each column on the current page with a pop-out glossary



Trades

- Query trades based on the following criteria after hitting
 - Symbol
 - Matcher Date and Time
 - Price
 - Quantity
 - Side
 - ETPID/MPID
 - Deal ID
 - Account Number
 - Domain
 - Client Order ID
 - Liquidity Indicator
 - Sender Sub ID
 - Session ID
- o Exportable to Excel
- o Display Grid is customizable using the "GEAR" icon
- O Help button defines each column and their contents on the current page with a pop-out glossary



Auctions

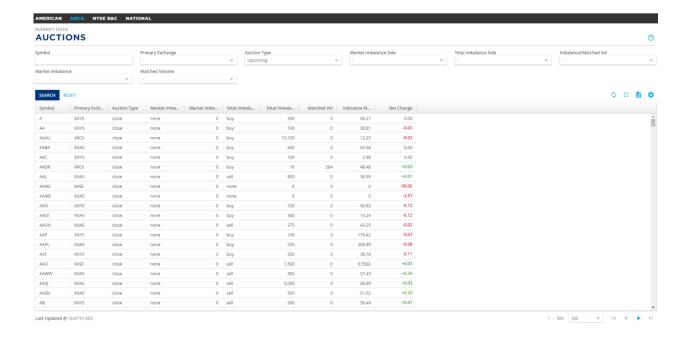
- o Query Auction Data based on the following criteria:
 - Symbol
 - Primary Exchange
 - Auction Type
 - Early Morning
 - Core
 - Closing
 - Reopening
 - IPO
 - Market Imbalance Side
 - Buy
 - Sell
 - None
 - Cross
 - Market Imbalance
 - Total Imbalance Side
 - Buy
 - Sell
 - None
 - Cross
 - Imbalanced/Matched Volume
 - Market Imbalance
 - Matched Volume
- o Exportable to Excel



O Display Grid is customizable using the "GEAR" icon



- o Can be set to Auto-Refresh
- Help button defines each column on the current page with a pop-out glossary



Resources

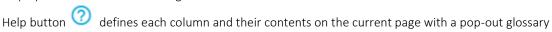
Documents and Links

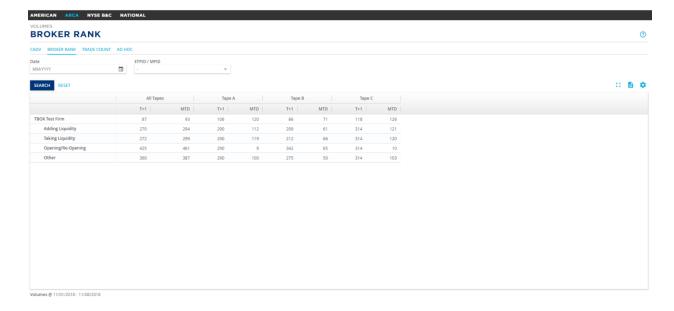
- o Quick Links to other NYSE Webpages
 - o NYSE.com
 - o Invoice Viewer
 - Market Status Updates
 - o NYSE Index
 - o Trader Updates

Volumes

Broker Rank

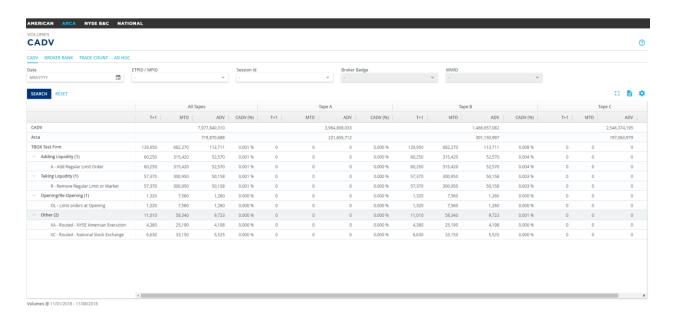
- Ranking of Firms by liquidity type
- Exportable to Excel
- Display Grid is customizable using the "GEAR" icon





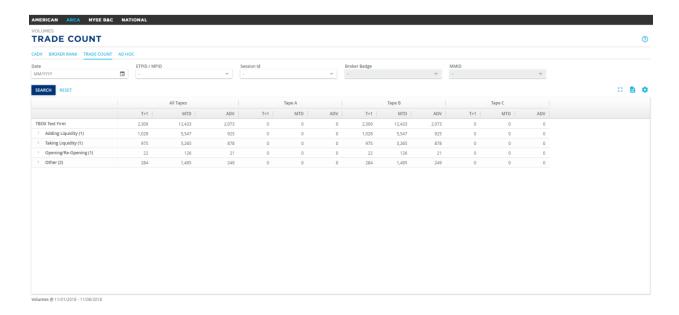
CADV

- Summary of CADV for a specific date
- Summary of Firm Volume by liquidity tag for a specific date
 - o Exportable to Excel 👱
 - O Display Grid is customizable using the "GEAR" icon
 - o Help button defines each column and their contents on the current page with a pop-out glossary



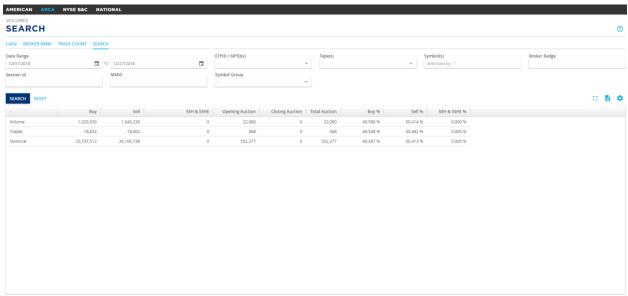
Trade Count

- Count of Trades by liquidity codes for a specific day
- Exportable to Excel
- Display Grid is customizable using the "GEAR" icon
- Help button defines each column and their contents on the current page with a pop-out glossary



Search

- Firm volumes searchable by:
 - Date Range
 - Symbol
 - Session ID
 - MPID
- Exportable to Excel
- Display Grid is customizable using the "GEAR" icon
 - Help button defines each column and their contents on the current page with a pop-out glossary



Volumes @ 12/03/2018 - 12/27/2018