



Discover the Pattern, Anticipate the Future

Crude Oil Supply and Demand and their Impact on Crude Prices

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After choosing the Energy icon we view the energy commodity choices

The screenshot shows the 'FUNDAMENTAL ANALYTICS' website interface. At the top, there is a navigation menu with links for Home, Admin, Webinar Setup, Webinar Info, My Account, and Web. Below the navigation is a grid of four category icons: Agriculture (wheat), Energy (oil pumpjack), Financial (Wall Street sign), and Metals (molten metal). The Energy icon is highlighted with an orange border. Below the icons, the Energy category is expanded to show a list of commodities: Coal, Gasoil, Natural Gas, Crude Oil, Gasoline, Emissions, and Heating Oil. A red arrow points from the Energy icon to the Crude Oil and Gasoline items in the list.

FUNDAMENTAL ANALYTICS

Home | Admin | Webinar Setup | Webinar Info | My Account | Web

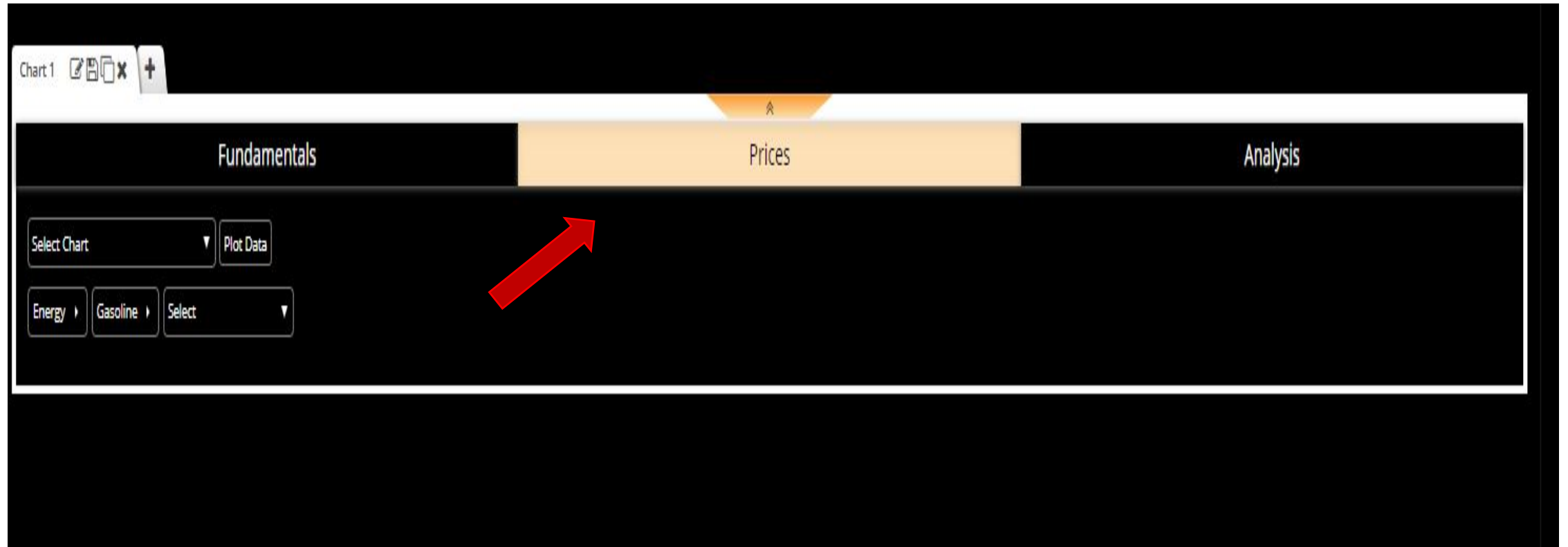
Agriculture Energy Financial Metals

Coal
Gasoil
Natural Gas

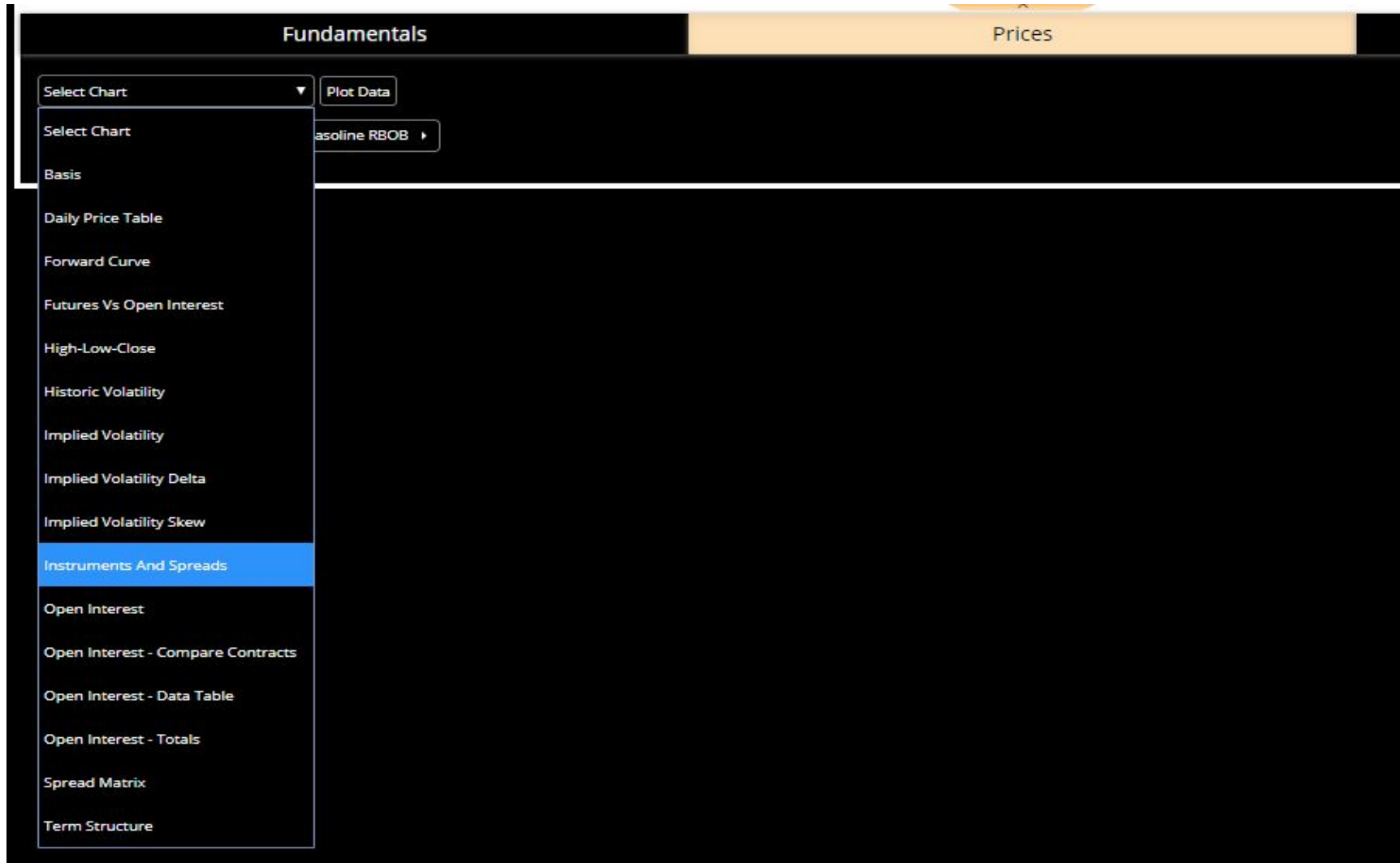
Crude Oil
Gasoline

Emissions
Heating Oil

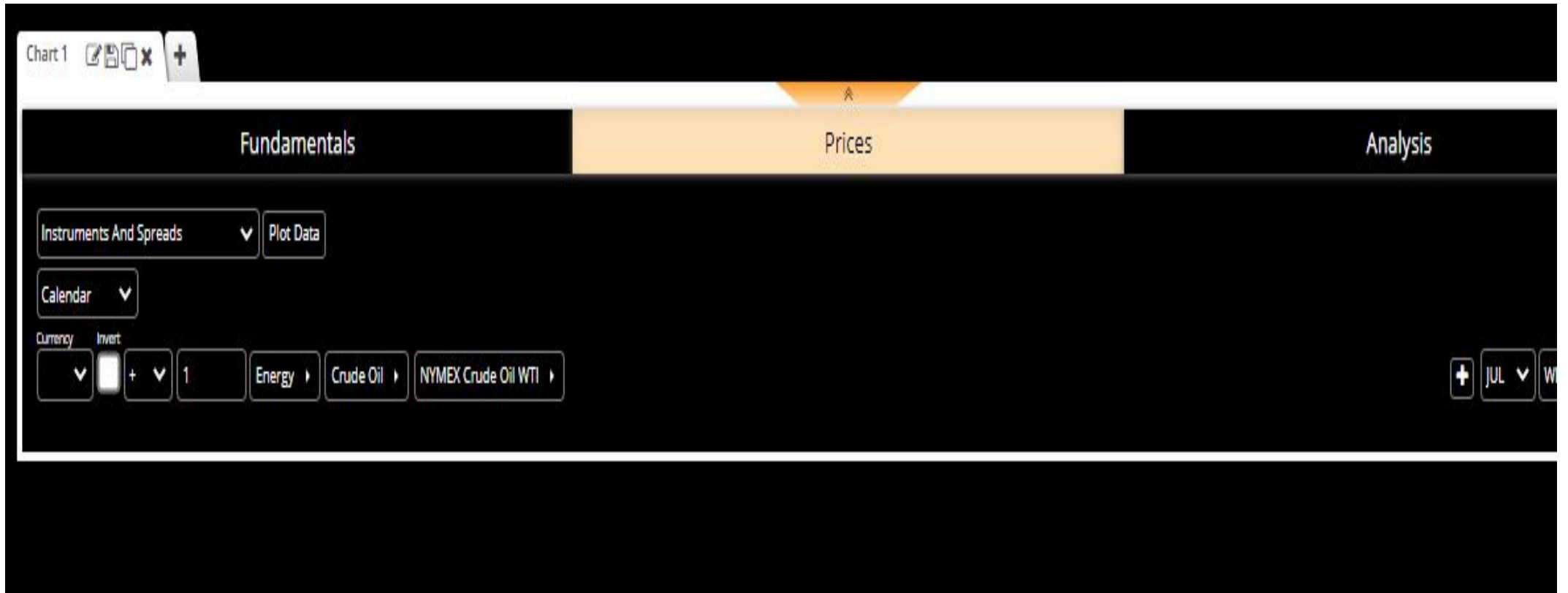
Prices is highlighted with the Crude Oil product.



Using the dropdown we choose Instruments and Spreads



Then we click on Plot Data



A year-on-year plot is created of the July Crude Oil futures prices price going back to 2015

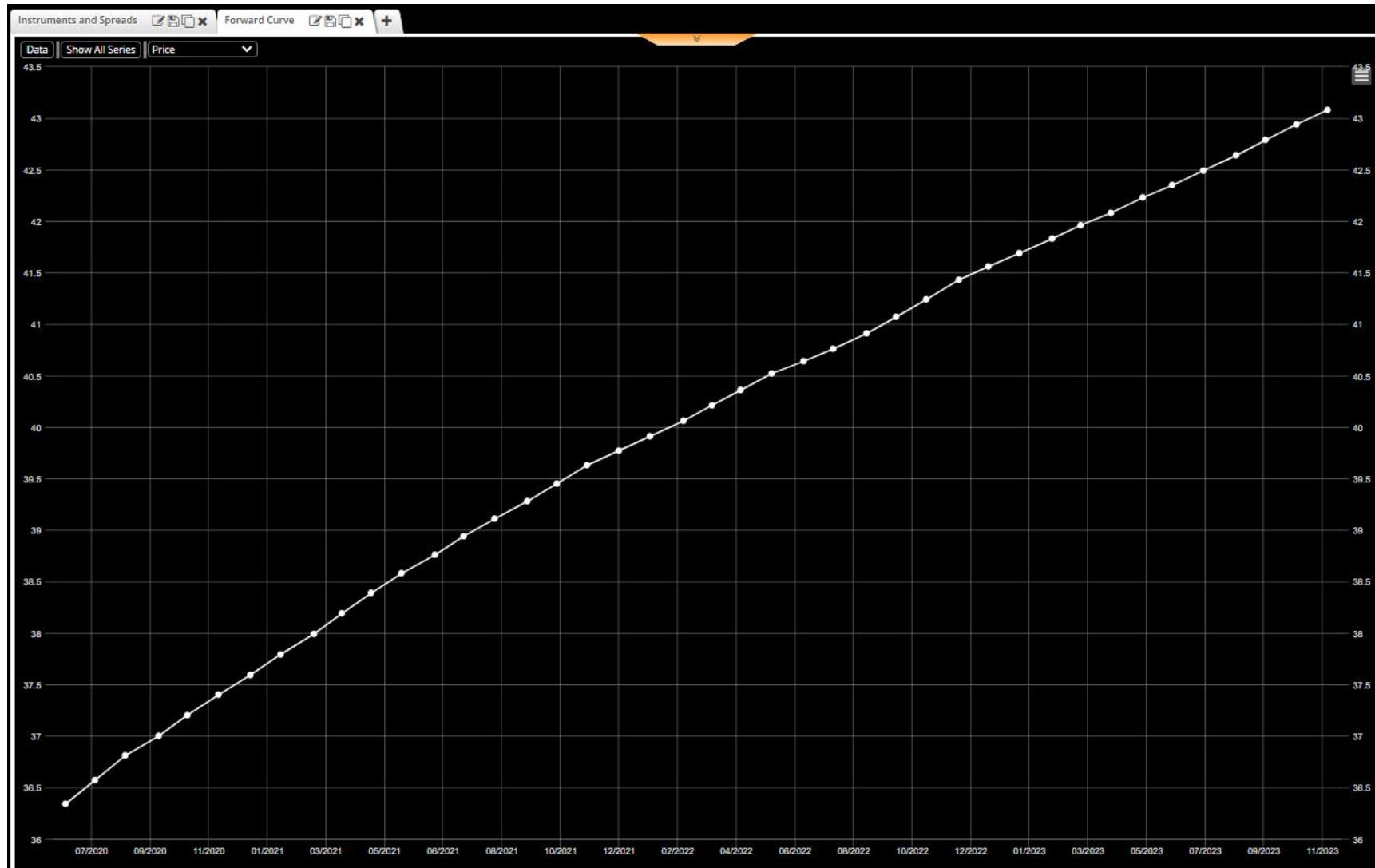


Source: Fundamental Analytics

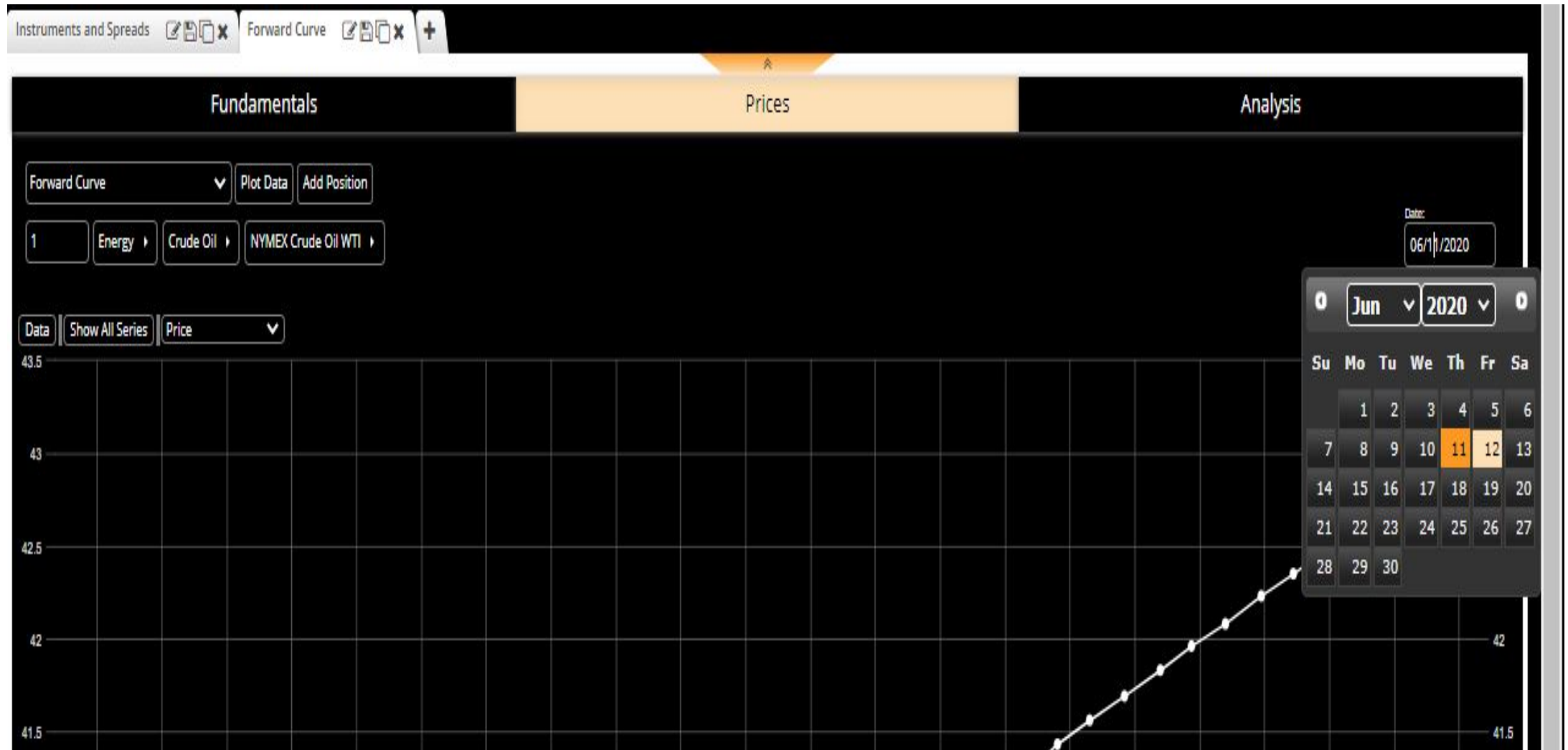
Using the dropdown again under Prices we choose the Forward Curve



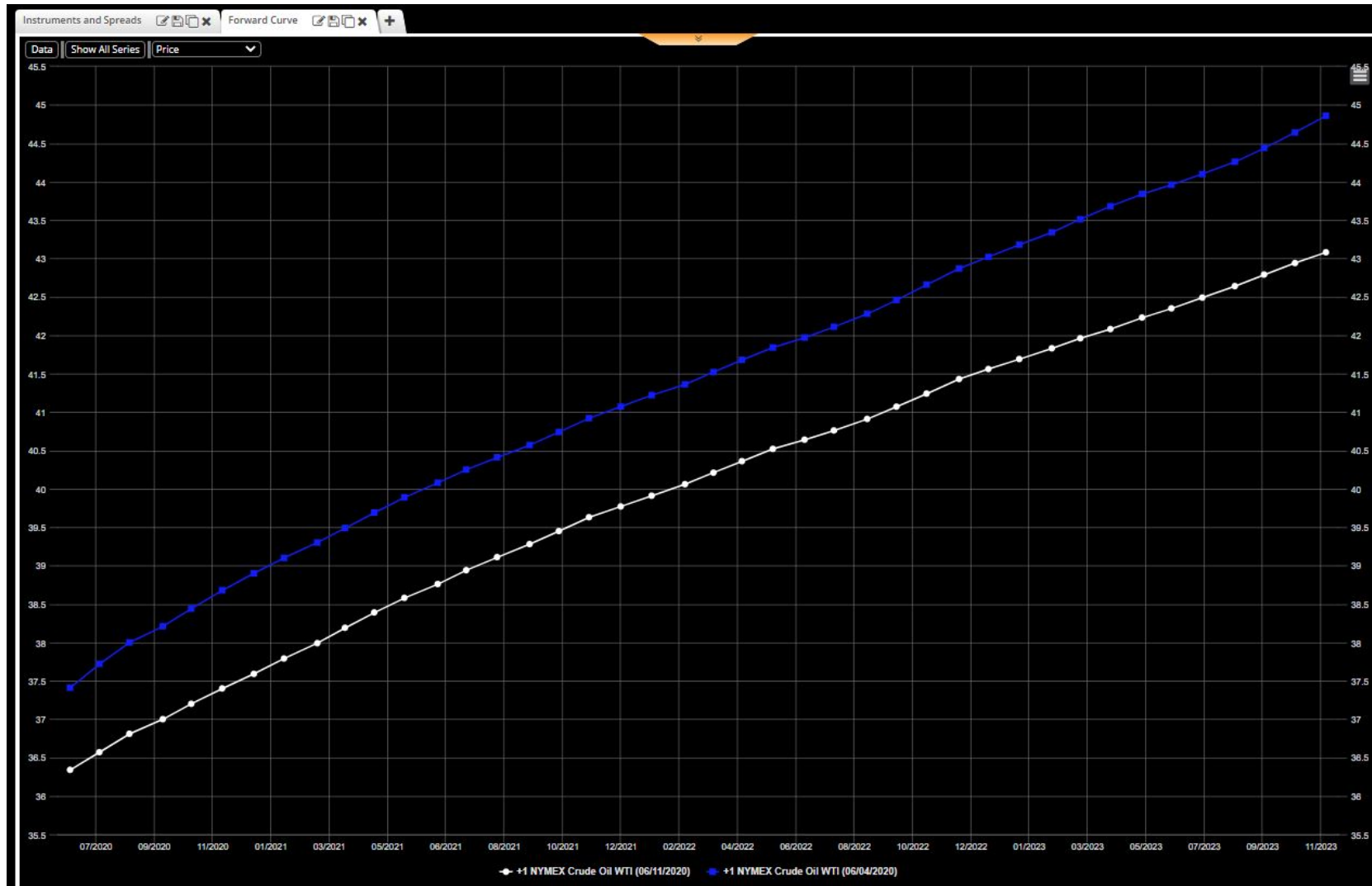
Clicking on the Plot Data bottom retrieve a graph of the Forward Curve



We Add Position and click on the date box to bring up another date to compare with the most recent.



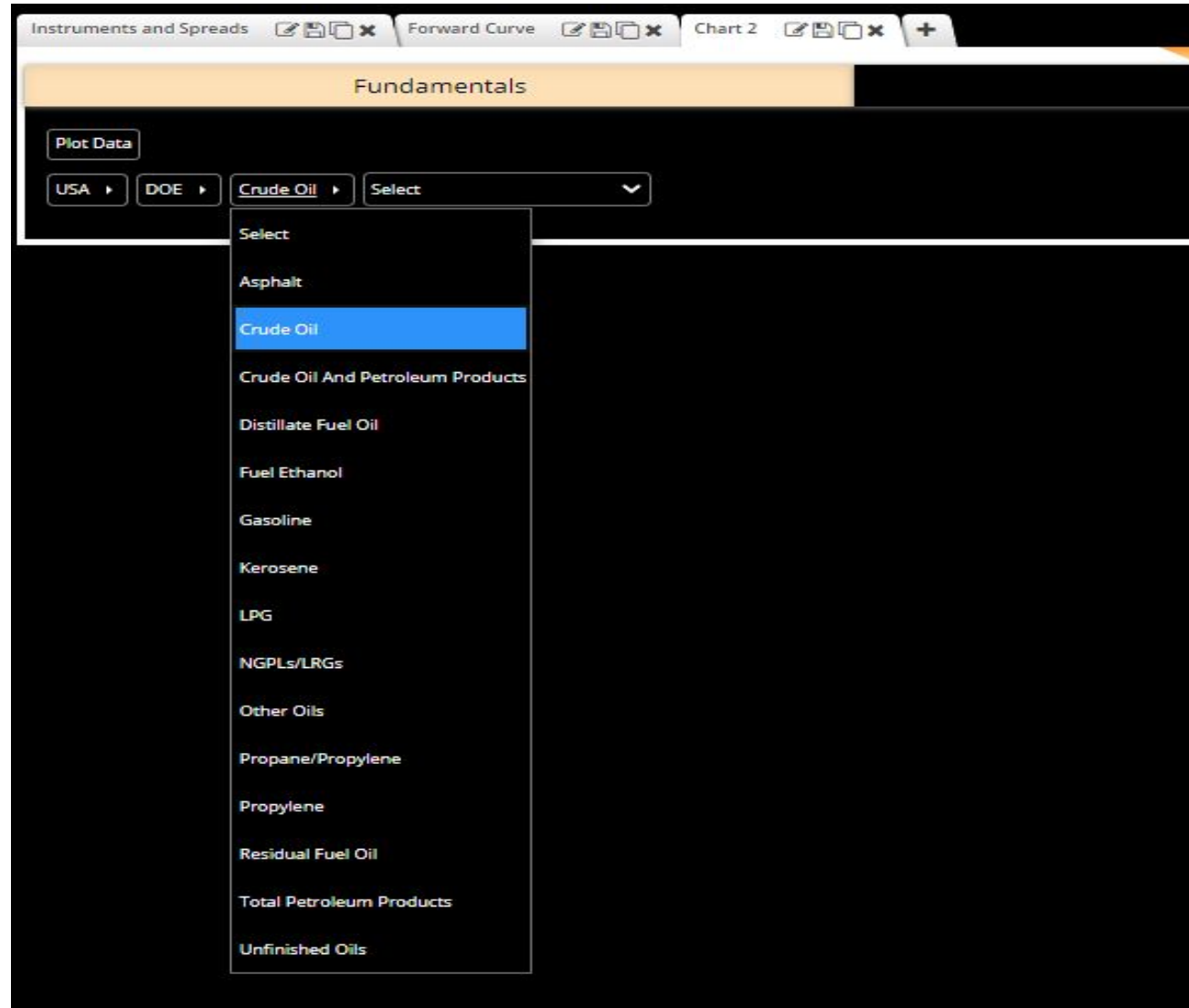
We can now compare the change in the level and structure of the forward curves



We now consider Fundamental data as they provide insights to price behavior. We click on the Fundamentals bar and use the dropdown to retrieve DOE (Department of Energy) data.



After clicking on DOE we retrieve Gasoline data from the DOE

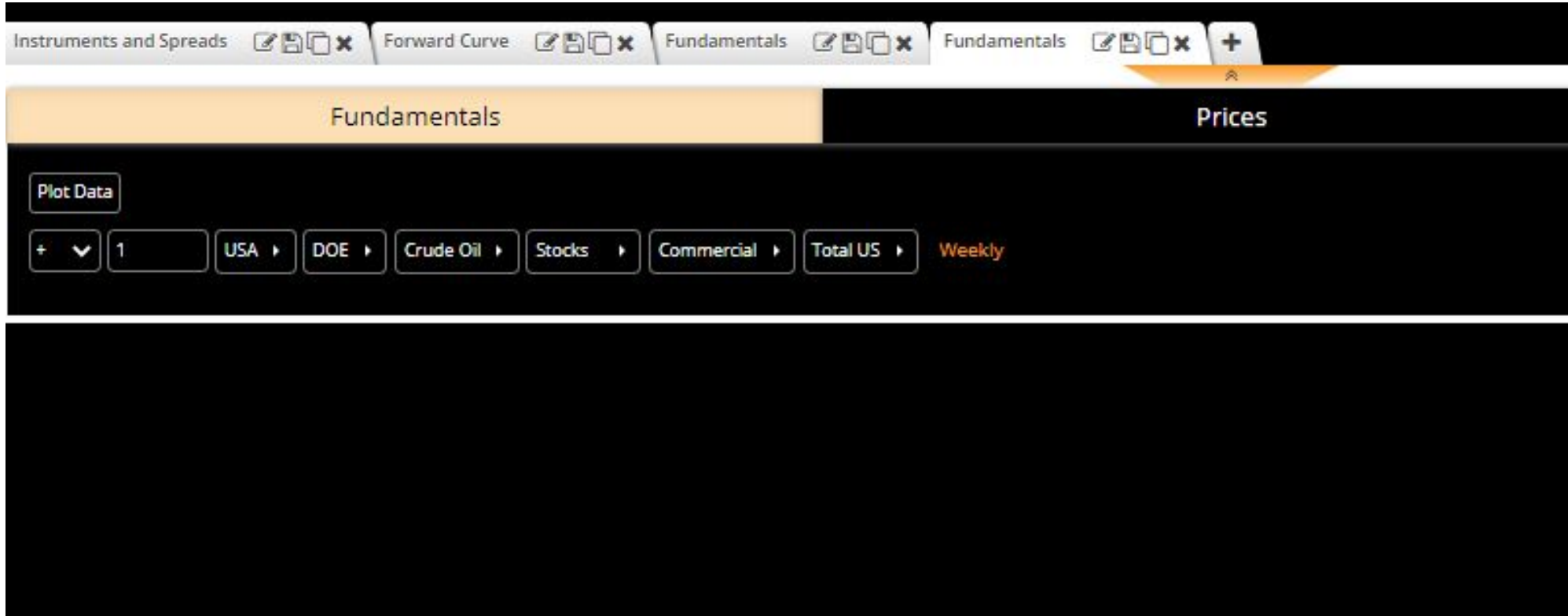


We then choose Crude Runs for Crude Oil and click the Plot Data button

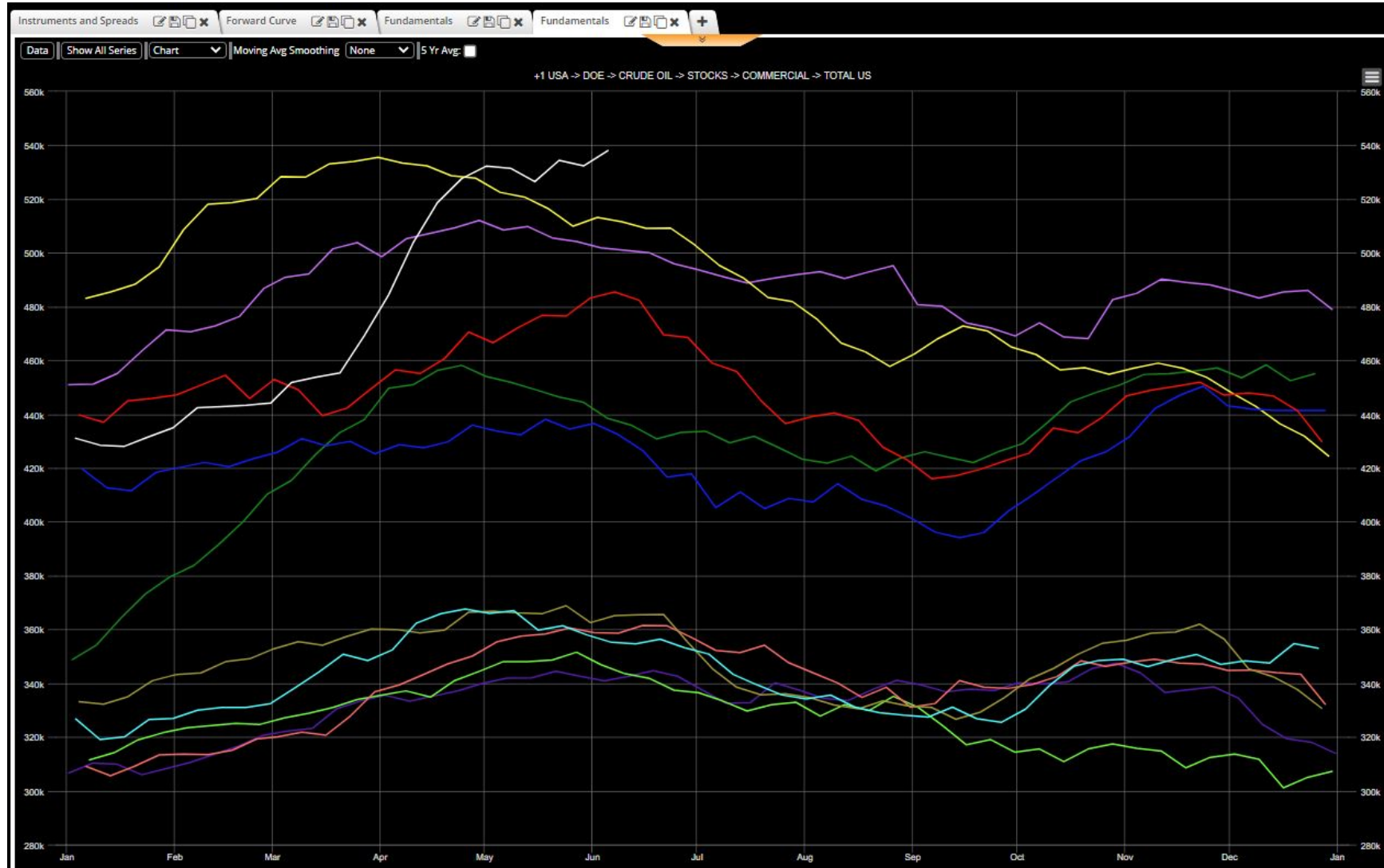


Source: Fundamental Analytics

We then click on the Duplicate icon, and change from Crude Runs to Stocks of Crude Oil.



Clicking on the Plot Data button brings up the year-on-year chart of Crude Oil stocks

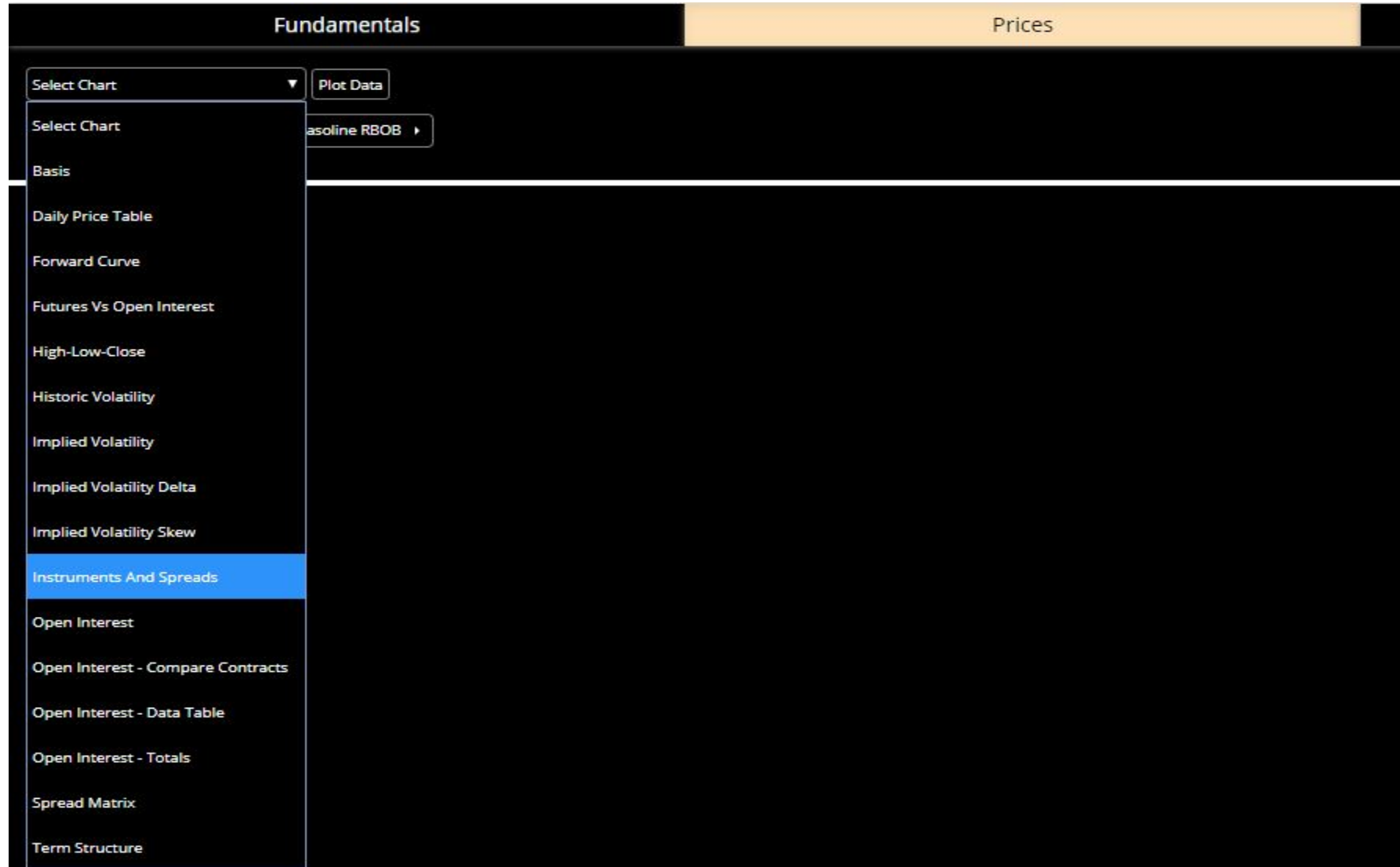


Source: Fundamental Analytics

We now switch back to NYMEX Crude Oil WTI prices

The screenshot shows a trading platform interface with a dark theme. At the top, there is a tab bar with several tabs: 'Instruments and Spreads', 'Forward Curve', 'Fundamentals', 'Fundamentals', and 'Chart 4'. The 'Chart 4' tab is currently active. Below the tab bar, there is a navigation bar with two tabs: 'Fundamentals' and 'Prices'. The 'Prices' tab is selected and highlighted in orange. Below the navigation bar, there is a control panel with a 'Select Chart' dropdown menu, a 'Plot Data' button, and three breadcrumb-style buttons: 'Energy', 'Crude Oil', and 'NYMEX Crude Oil WTI'. The main content area below the control panel is currently blank.

Using the dropdown Select Chart we again choose Instruments and Spreads



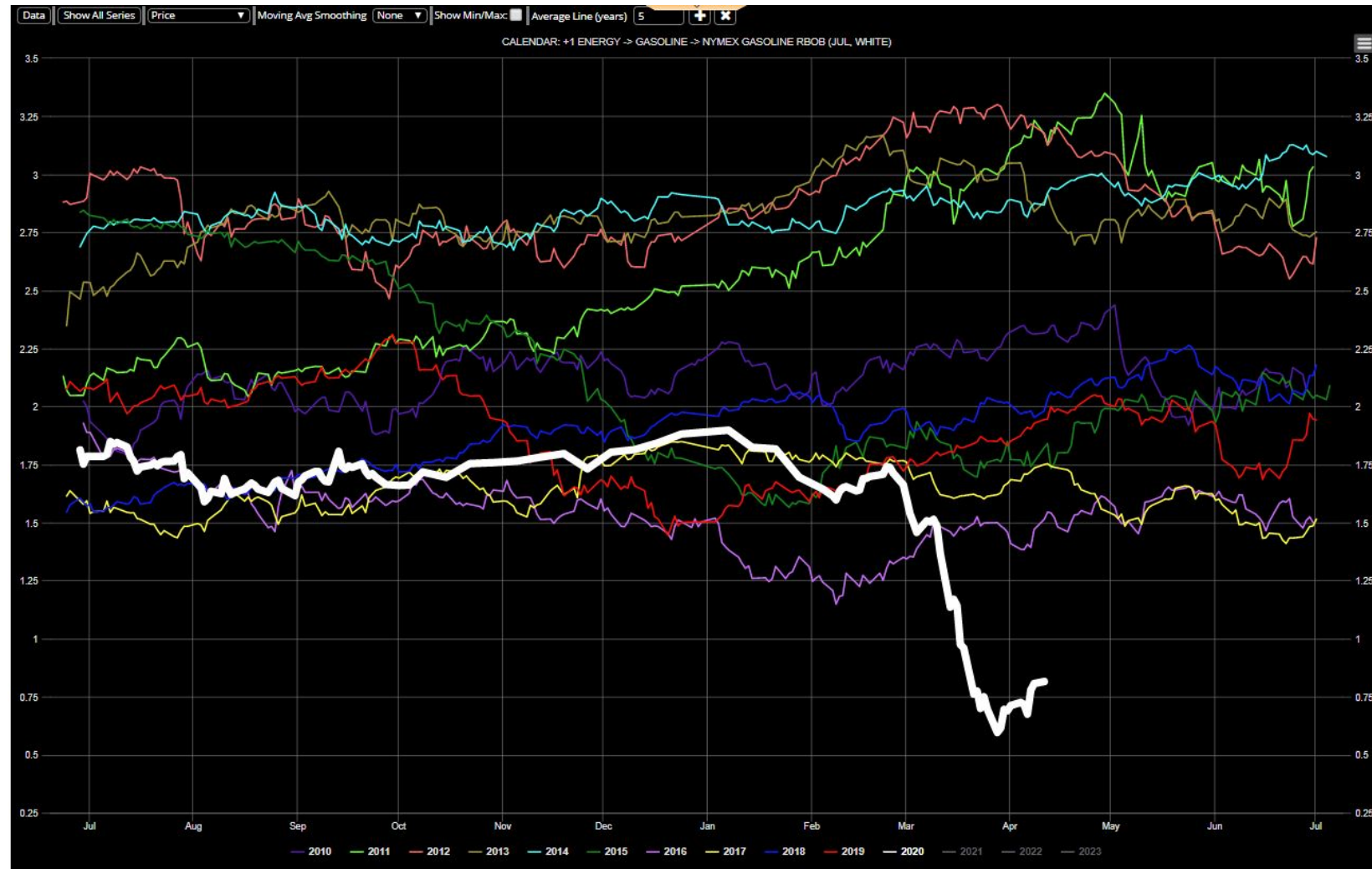
This time we change from the default of May to July

The screenshot shows a trading interface with three main tabs: 'Fundamentals', 'Prices', and 'Analysis'. The 'Prices' tab is currently selected and highlighted in orange. Below the tabs, there are several control elements:

- 'Instruments And Spreads' dropdown menu with a downward arrow.
- 'Plot Data' button.
- 'Calendar' dropdown menu with a downward arrow.
- 'Currency' dropdown menu with a downward arrow.
- 'Invert' checkbox.
- '+' button with a downward arrow.
- '1' button.
- 'Energy' dropdown menu with a rightward arrow.
- 'Gasoline' dropdown menu with a rightward arrow.
- 'NYMEX Gasoline RBOB' dropdown menu with a rightward arrow.

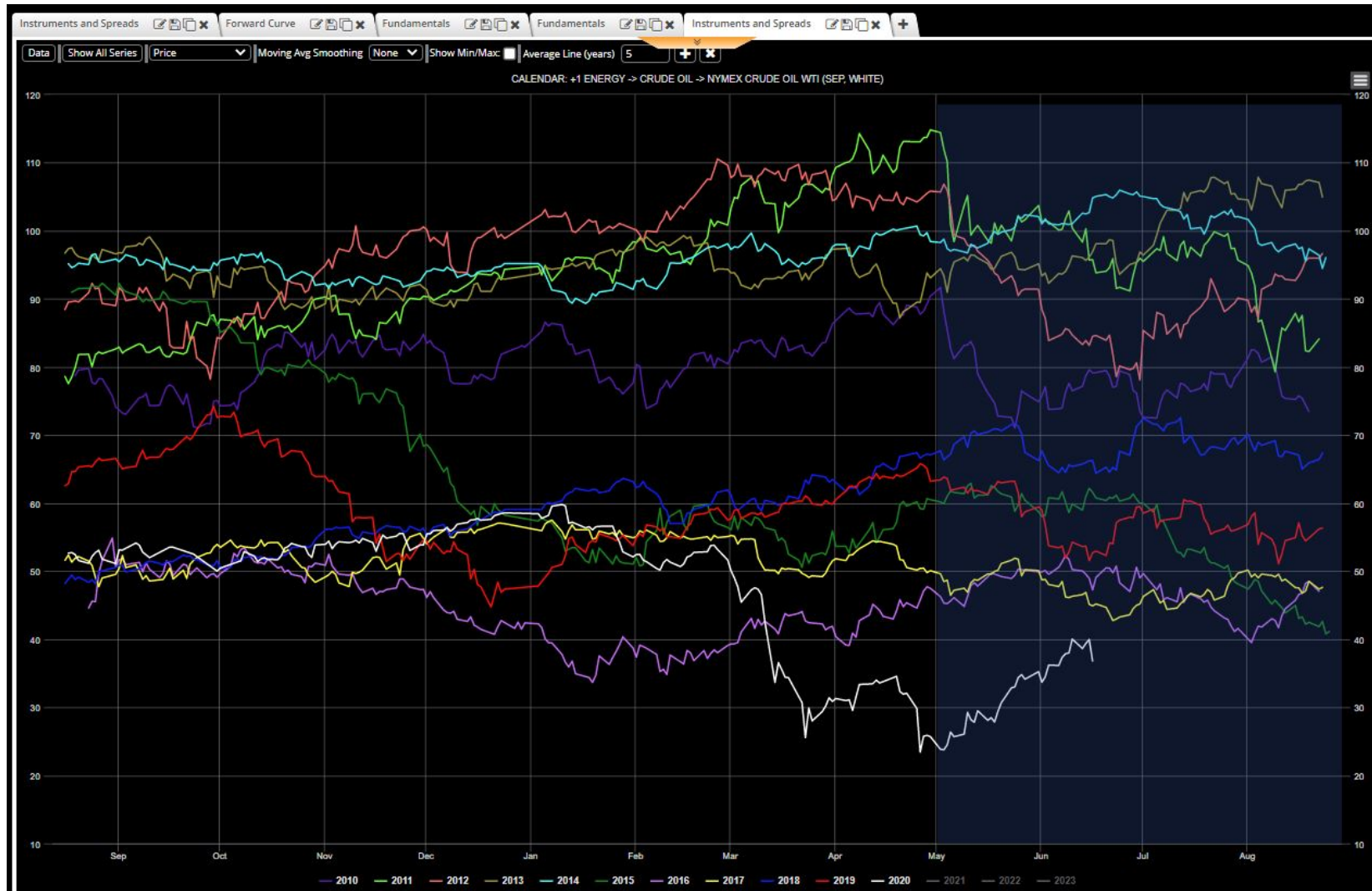
A blue arrow points from the 'NYMEX Gasoline RBOB' dropdown to a 'White Months' dropdown menu on the right side of the interface. The 'White Months' dropdown is currently set to 'JUL'.

By clicking on the Plot Data button we retrieve the year-on-year chart of the NYMEX July Crude Oil Gasoline prices



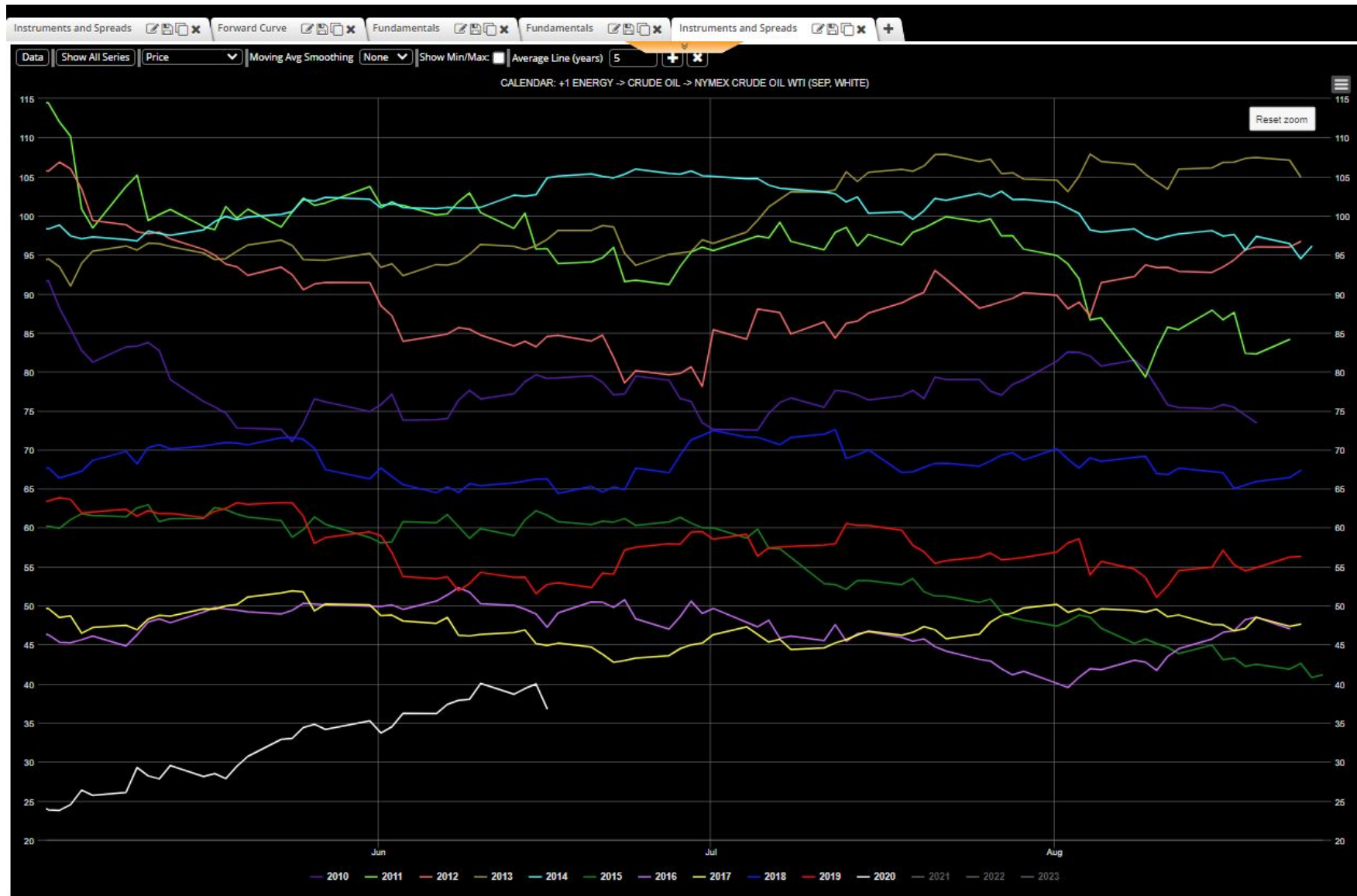
Source: Fundamental Analytics

We can zoom in to a portion of the chart by left clicking on the mouse and dragging it over the area of interest in the chart as shown by the blue shading.



Source: Fundamental Analytics

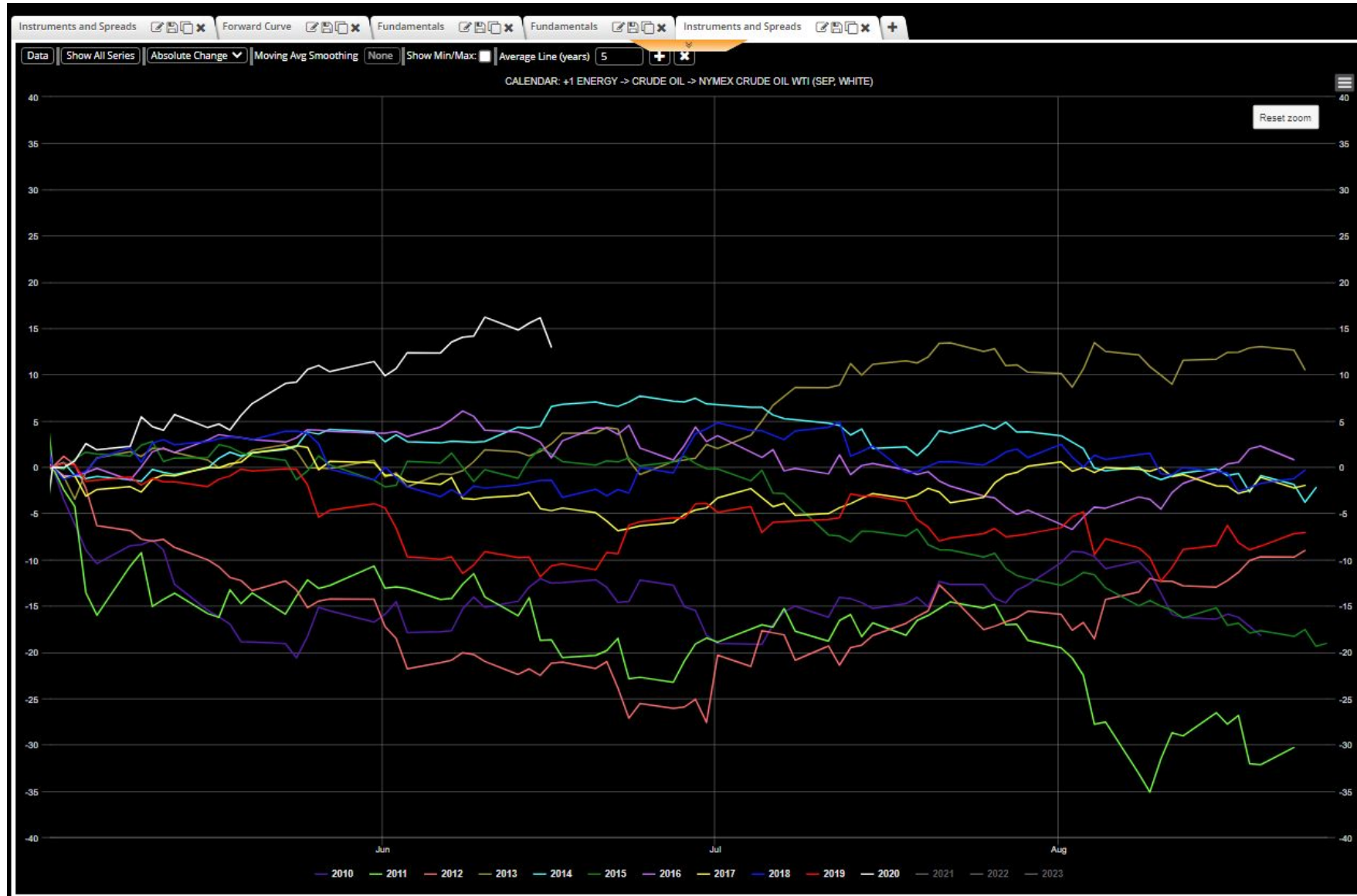
Releasing the mouse click shows the zoomed in area.



Clicking on the dropdown of Price and choosing Absolute Change allows the chart to translate the plots to start at zero and show the change.



The change in the July RBOB Gasoline price into expiration is shown.

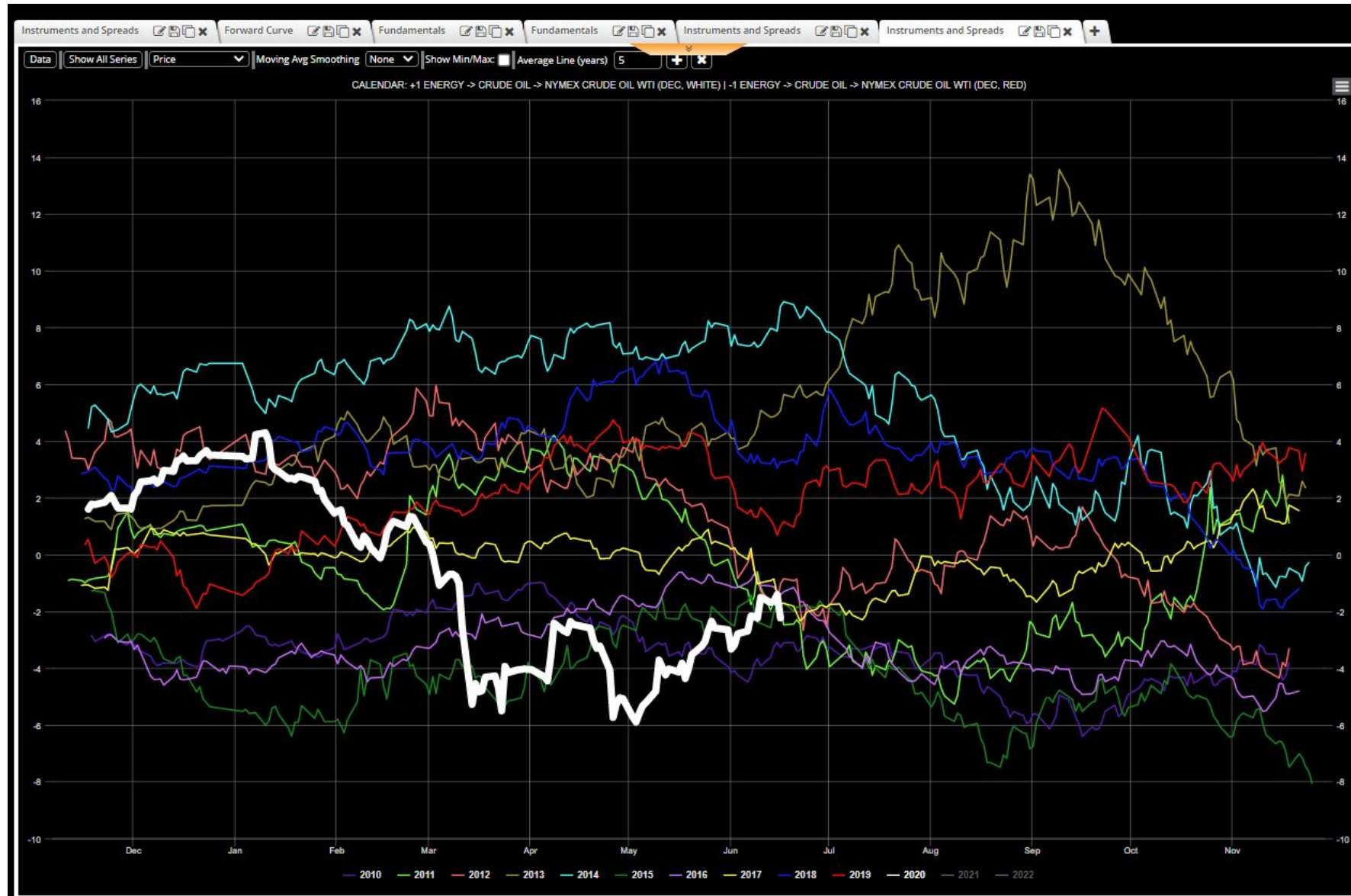


Source: Fundamental Analytics

Clicking on the + box adds another position or “leg” and Dec Red Dec spread is constructed by changing the White Months to Red Months and subtracting.

The screenshot displays a trading platform interface with a dark theme. At the top, there is a navigation bar with several tabs: 'Instruments and Spreads', 'Forward Curve', 'Fundamentals', 'Fundamentals', 'Instruments and Spreads', and 'Instruments and Spreads'. Below this, a main navigation bar has three tabs: 'Fundamentals', 'Prices' (which is highlighted in orange), and 'Analysis'. The main content area is divided into two rows of instrument configurations. Each row includes a 'Currency' dropdown, an 'Invert' checkbox, a '+' or '-' sign, a quantity input field (both set to '1'), and a series of dropdown menus for 'Energy', 'Crude Oil', and 'NYMEX Crude Oil WTI'. To the right of each row are control buttons: a '+' button, an 'x' button, a 'DEC' dropdown, and a month selection dropdown. The top row's month dropdown is set to 'White Months', and the bottom row's month dropdown is set to 'Red Months'.

Clicking on the Plot Data button retrieves the Dec Red Dec Crude Oil calendar spread chart.



Source: Fundamental Analytics