

FX Quarterly Roll Analyzer page

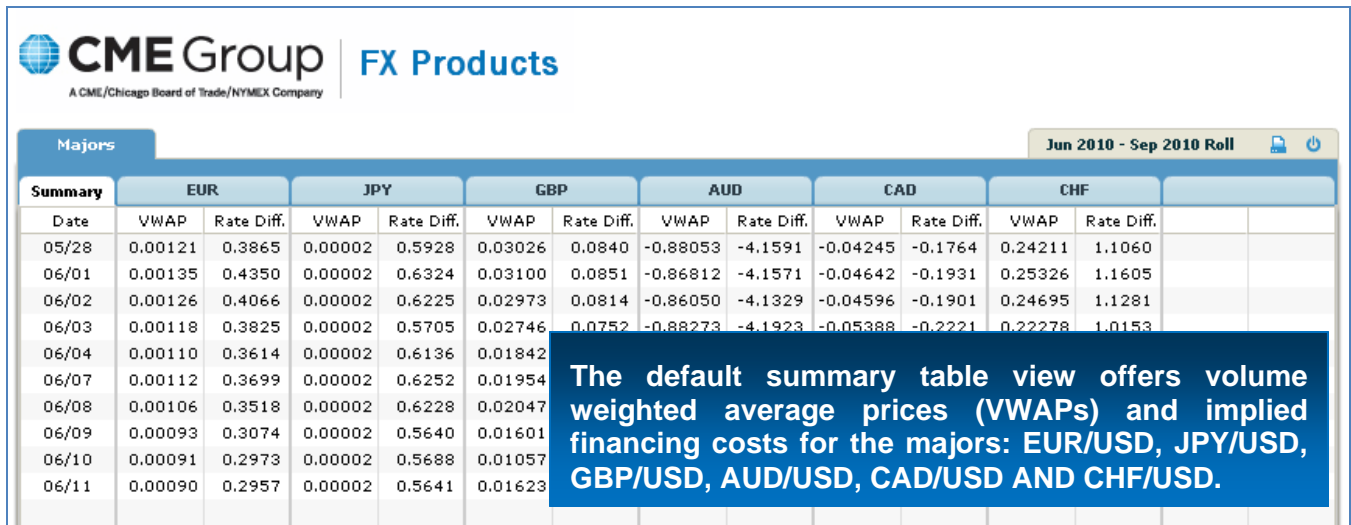
www.cmegroup.com/fxrollpace

During the weeks leading up to the quarterly expiration of our FX futures contracts, CME Group can provide you with a newly developed Pace of Roll tool – called **the FX Quarterly Roll Analyzer page** – designed to provide market participants with daily updates and tools to analyze and adjust quarterly roll strategies for optimal efficiency.

On the following pages you will find an overview of the tools available, and descriptions of how to use them.

With the tools on this page you can:

- **Monitor** the pace of open interest migration from the front to the back month for key FX futures contracts
- **View** pricing of calendar spreads vs. fair value – i.e., how rich or cheap the spreads are trading
- **Easily pull up** relevant intra-day pricing and volume by price chart information



Summary		EUR		JPY		GBP		AUD		CAD		CHF	
Date	VWAP	Rate Diff.	VWAP	Rate Diff.	VWAP	Rate Diff.	VWAP	Rate Diff.	VWAP	Rate Diff.	VWAP	Rate Diff.	
05/28	0.00121	0.3865	0.00002	0.5928	0.03026	0.0840	-0.88053	-4.1591	-0.04245	-0.1764	0.24211	1.1060	
06/01	0.00135	0.4350	0.00002	0.6324	0.03100	0.0851	-0.86812	-4.1571	-0.04642	-0.1931	0.25326	1.1605	
06/02	0.00126	0.4066	0.00002	0.6225	0.02973	0.0814	-0.86050	-4.1329	-0.04596	-0.1901	0.24695	1.1281	
06/03	0.00118	0.3825	0.00002	0.5705	0.02746	0.0752	-0.88273	-4.1923	-0.05388	-0.2221	0.22278	1.0153	
06/04	0.00110	0.3614	0.00002	0.6136	0.01842								
06/07	0.00112	0.3699	0.00002	0.6252	0.01954								
06/08	0.00106	0.3518	0.00002	0.6228	0.02047								
06/09	0.00093	0.3074	0.00002	0.5640	0.01601								
06/10	0.00091	0.2973	0.00002	0.5688	0.01057								
06/11	0.00090	0.2957	0.00002	0.5641	0.01623								

The default view is a summary table showing calculations of the VWAPs (Volume Weighted Average Prices) of calendar spread activity in our major FX futures contracts. The associated Rate Differential is also provided and updated daily for each contract. (Descriptions of how these numbers are calculated follows on next page).

In the summary table view, you can click on individual FX contract headings to display the detailed contract-specific data.



The screenshot above shows a sample view of what appears when you click on the heading for an individual FX contract (in this case, "EUR").

A. Daily VWAP/Implied Rate table

The upper left-hand section of the page shows the summary table of VWAPs and implied rates for the contract on specific days, expanded to include:

- **Volume**
- **USD Interest Rate** (Based on Eurodollar Futures)

- **Interest Rate Differential** (USD Rate less Foreign Currency Interest Rate)

The VWAP and USD Rate will accept user input. Implied Rate and Rate differential calculation will be updated to reflect your inputs. For example, if your trades averaged a certain price that is different than the market VWAP for the day, you can input your only spread price in the VWAP box and the application will show the corresponding implied rate and rate differential. To adjust these numbers, simply click into the field and directly key in the numbers.

B. Volume vs. Implied Rate/Rate Differential charts

These charts provide an illustration of the relationship between the spread volume vs. the implied foreign currency interest rate or vs. the interest rate differential.

Use the toggle buttons (shown in the blue box) to switch between views.

To enlarge the view of a chart, click on the enlarge button (looks like two layered boxes) in the upper right corner.

C. Intra-day Pricing and Volume by Price charts

The bottom half of the page is where the traditional Pace of Roll charts for the contracts appear, as well as an option to view Intra-day Price and Volume (Vol) by Price charts.

The **Intra-day Pricing** chart displays *Hourly Spread Volumes vs. the Spread VWAP* and the **Volume by Price** chart displays the *Volume* at a specified *Spread Price* for a selected date. The date can be selected in the summary table above the charts (upper left section). In the example above, the Intra-day Price chart is displaying data for June 11.

Additionally, you can click on a specific bar within the graph to display a pop-up box with the detailed underlying data for that point. The associated data for that date will appear highlighted in the summary table in the upper-left section.

To switch from the **Intra-day Pricing** view to the **Vol by Price** view, use the radio buttons located just above the charts.

The **Pace of Roll** charts illustrate calendar spread activity in the last few weeks leading up to the quarterly expiration of the contracts, the time period during which many open interest holders

choose to transfer their positions from the expiring quarterly contract month into the nearest deferred quarterly contract month, in order to maintain their positions.

These Pace of Roll charts show the daily progression of open interest in the major FX contracts, in terms of percentage of open interest in the back month for that contract (vs. the expiring front month contract) compared to previous roll periods for the contracts:

- **The Red line** represents the current roll period (i.e., percentage of open interest in the Sep 2010 quarterly contract month for the Jun 10-Sep 10 roll period).

Additionally, current open interest in expiring front month and back month is displayed within the pace of roll charts.

- **The Black line** represents the historical average of the pace of the roll in the contract over the previous **12** roll periods.
- **The Blue shaded area** represents the middle 75 percent confidence range over the last **12** roll periods.

Note: Using the drop-down list to the right, you can choose to view historical pace of roll charts from previous roll cycles.

Print and reset buttons

These buttons (shown in the orange box at the top of the screen shot) enable you to pull up a printer-friendly view of the page and to re-set the page to the defaults. The dates to the left of these buttons represent the current roll period being tracked.

QUESTIONS & FEEDBACK:

For questions or feedback related to these resources, contact us at:
FXresearch@cmegroup.com or 312-930-1000.



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