

Data-To-Clock Jitter Start-up

1. Set the Signal Source to **On** and select **Data-to-Clock Jitter**.
2. Press the **Preset** key.
3. Select the **Time Int A→B** function using the top softkey.
4. Press the **Autoscale** key.

You'll notice that the data on the display is not stable. This is because there is a lot of high frequency jitter where the Analyzer is trying to trigger on the time interval results. To allow stable triggering on this signal, the Analyzer has a feature to reject triggering on time intervals changing at a higher rate (frequency) than the majority of other time intervals near the trigger point. The next two steps demonstrate this feature.

5. Press the **Trigger** menu key.
6. Set **Trig HF Reject** to **On** using the bottom softkey.

Your display should look similar to the one shown below. Now start exploring the Analyzer. If you would like to follow some steps to analyze this signal, go to page 2-19.

The Data-to-Clock Jitter example in chapter 2 shows how to automatically measure the mean, rate, and the peak-to-peak of the data-to-clock jitter. Also, the histogram analysis capability shows the distribution of the time jitter.

