

SPS PDOP Performance Video

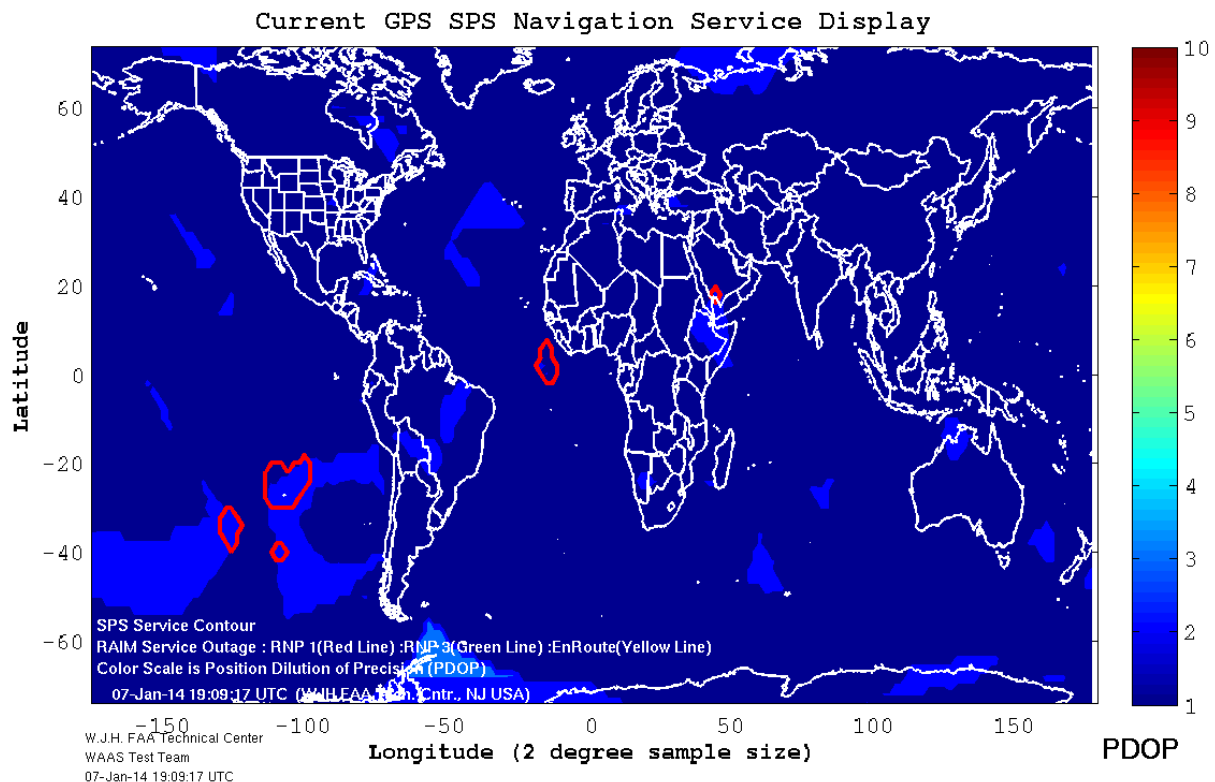
Standard Positioning Service
Position Dilution of Precision

This video shows current GPS SPS Navigation along with Position Dilution of Precision, or PDOP, over a 24-hour period. Because the real time plots are updated every three minutes, the date and time tag in the lower left corner of the video cycles through the previous day's SPS PDOP performance in three minute increments. The SPS PDOP is calculated on a 2-degree grid.

Receiver Autonomous Integrity monitoring (RAIM) is indicated by the red and green contour lines in the plot:

- The red lines indicate RAIM service outages exceeding the RNP 0.1 threshold. This means the HPL is > 185 meters.
- Any green lines would show RAIM outages that exceed the RNP 0.3 threshold where the HPL is >556 meters.

If yellow Enroute lines are shown in the plot, these would indicate a protection level above 0.1, or one nautical mile.



The Color Scale

The color block to the right of the diagram indicates Position Dilution of Precision, or PDOP.

