SPS RAIM

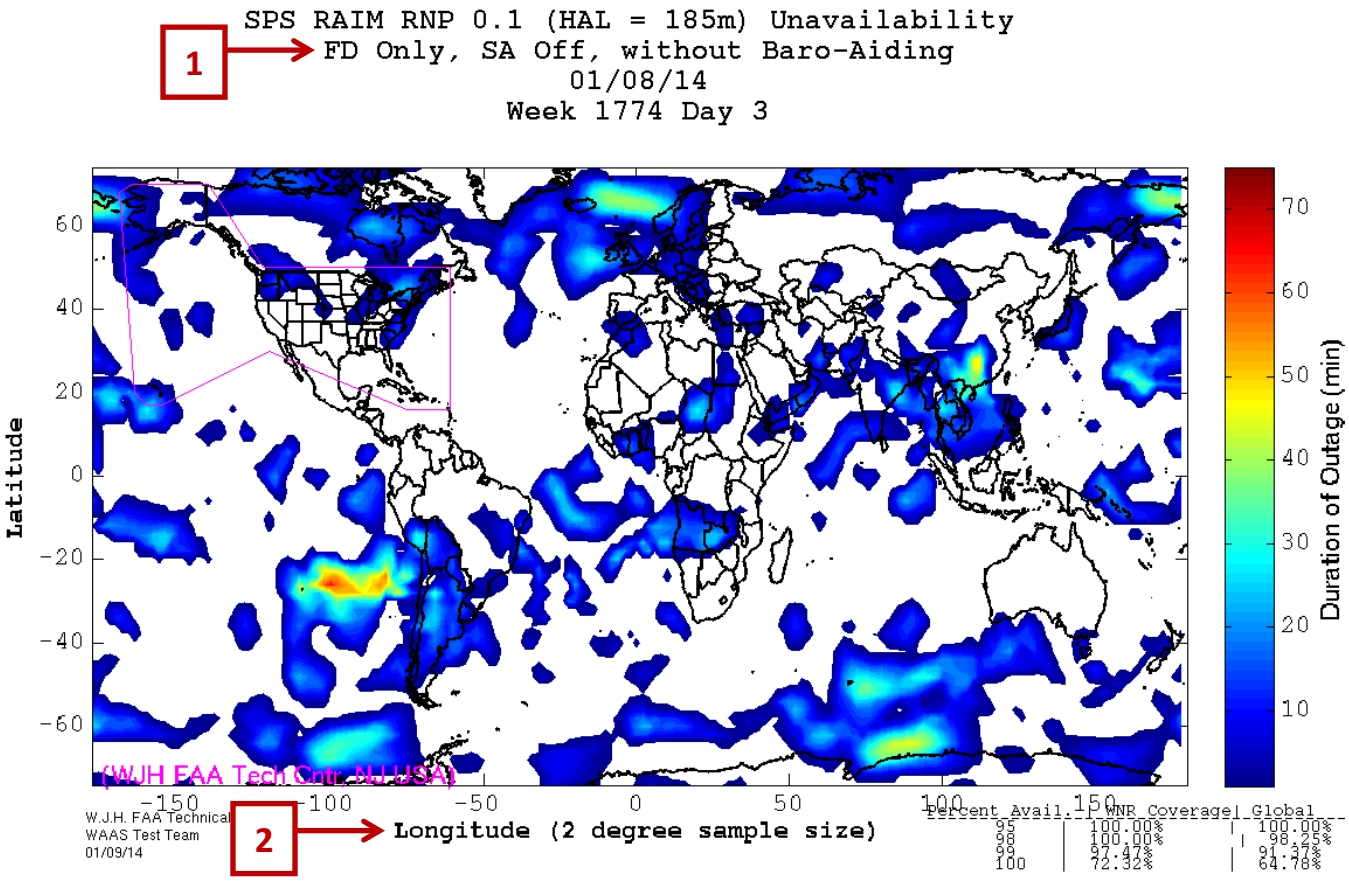
Standard Positioning Service
Receiver Autonomous Integrity Monitoring (RAIM)

RNP 0.1 (HAL=185m) and RNP 0.3 (HAL=556m)

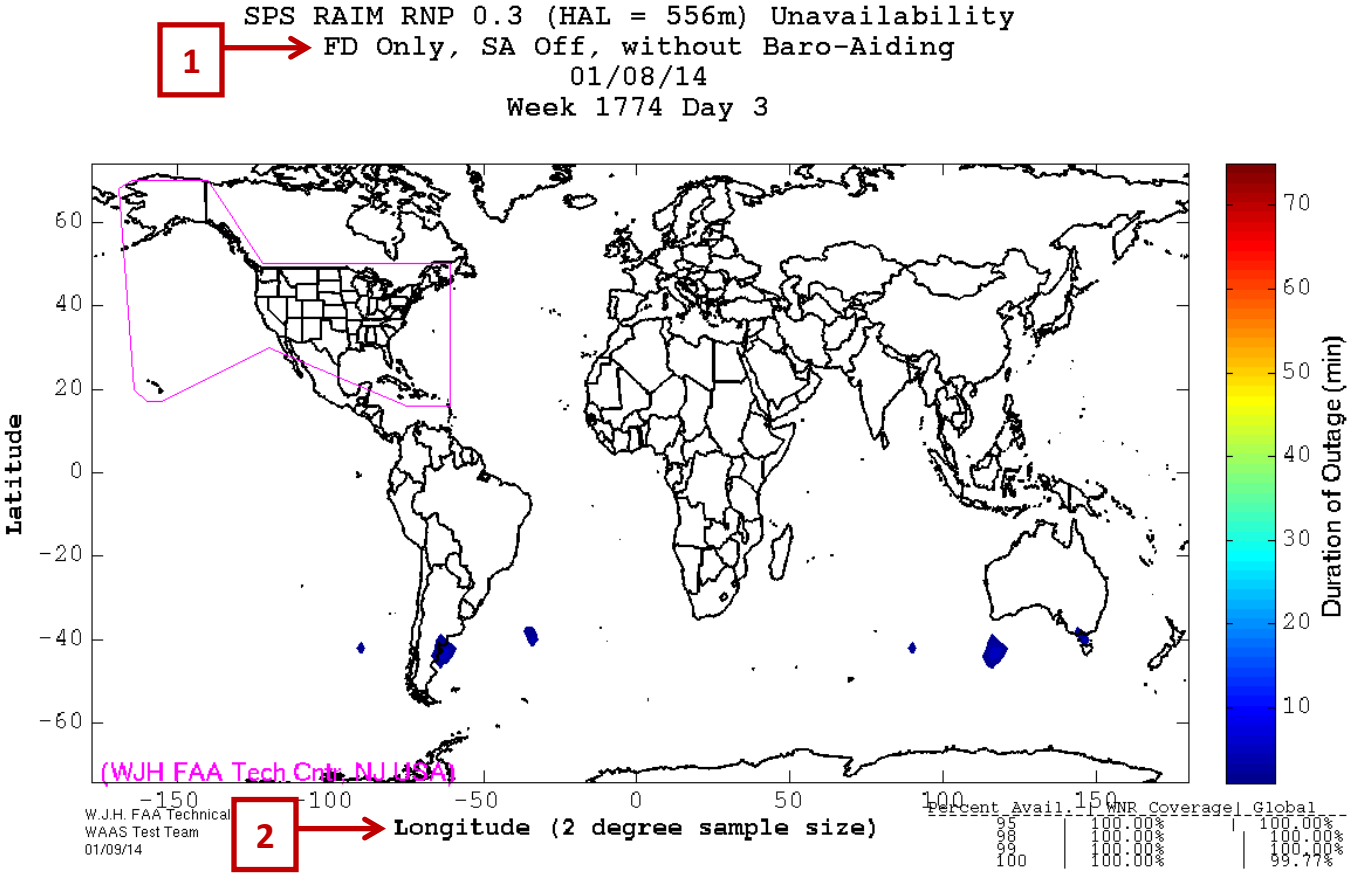
These daily 24-hour plots show two different thresholds of RAIM coverage. The top plot shows RAIM RNP 0.1 (HAL=185m) and the bottom, RNP 0.3 (HAL=556m).

- #1 in both plots show:
  - Fault Detection (FD) only
  - Selective Availability (SA) is off
  - No Baro-Aiding
- The Longitude is a 2 degree sample size (See #2 in both plots below)

SPS RAIM RNP 0.1:

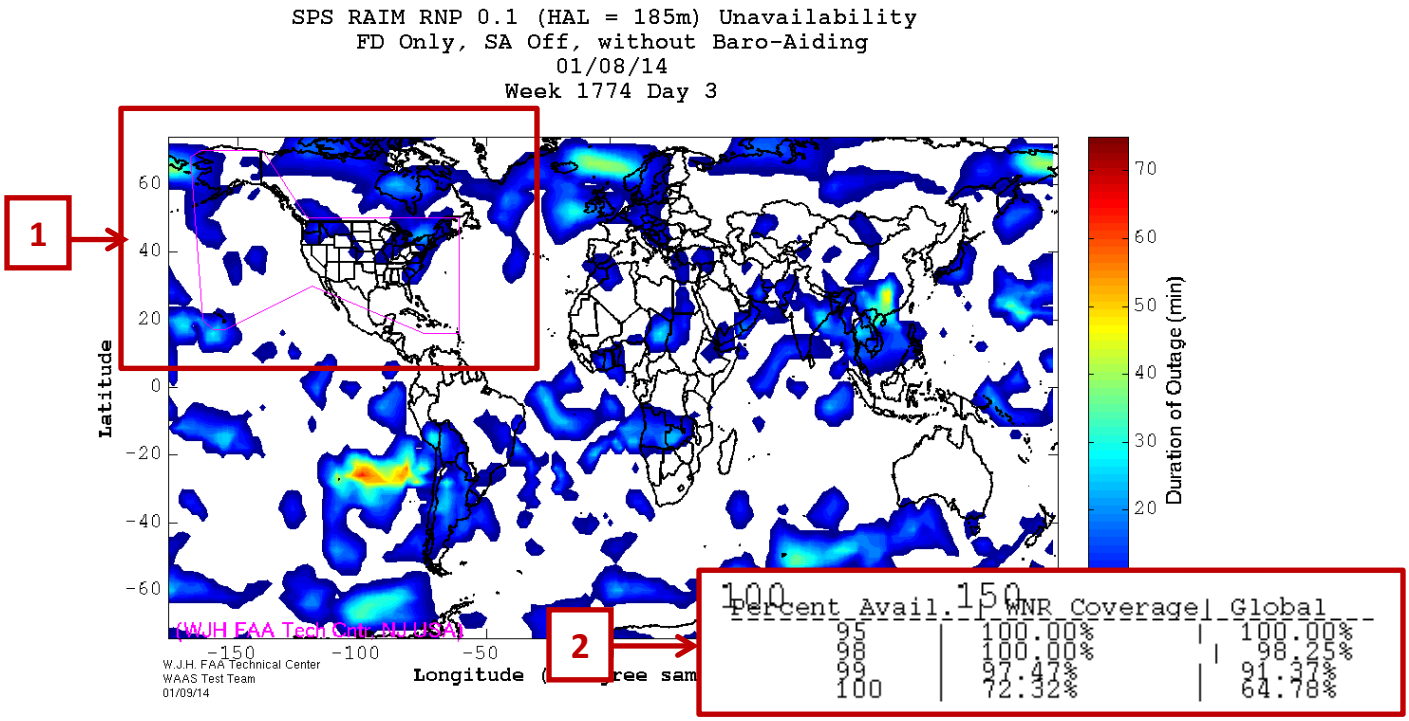


SPS RAIM RNP 0.3:



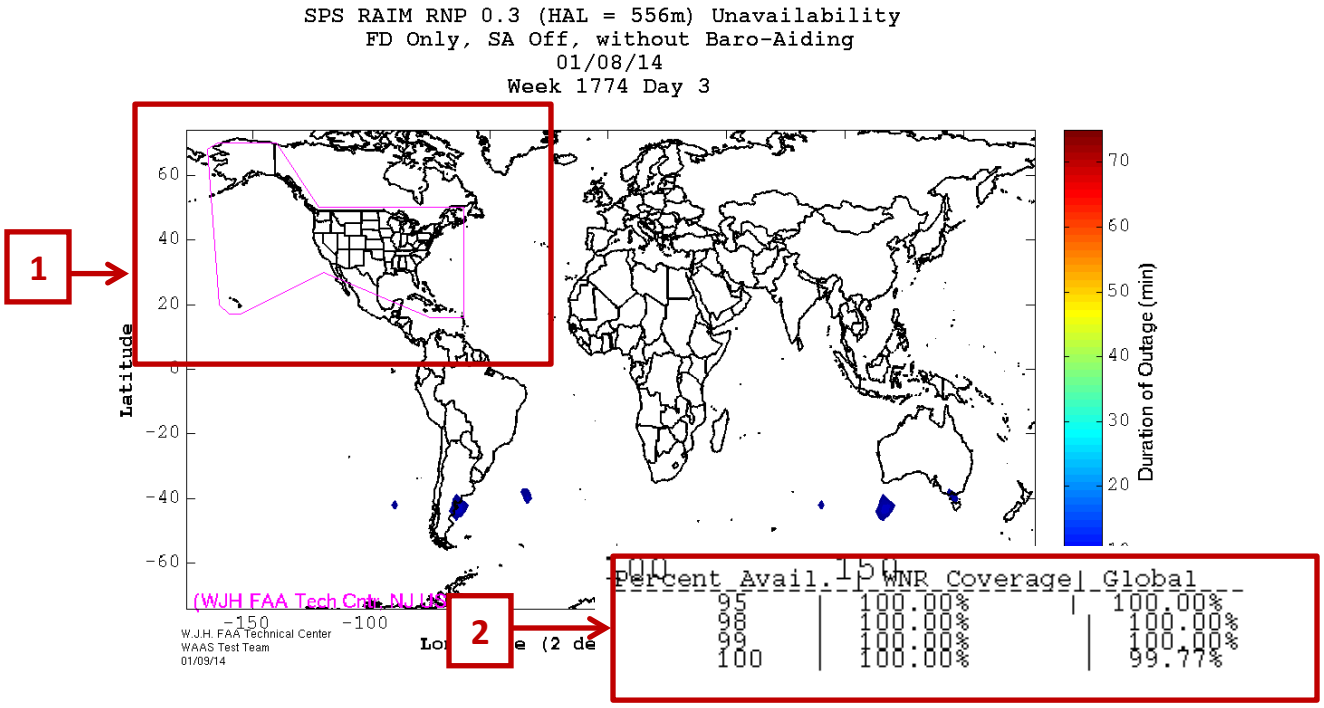
WAAS Non Precision Region, or WNR for SPS RAIM RNP 0.1:

The WAAS NPA Contour is shown here with a purple line (See #1). The table in the lower right-hand corner indicates the percentage of SPS RAIM RNP 0.1 available within and without the WNR Coverage area. In this plot, for example, the second line in the table shows that 98% of the WRN was available 100% of the time within the WNR Coverage area and 98.25% globally (See#2 below).



WAAS Non Precision Region, or WNR for SPS RAIM RNP 0.3:

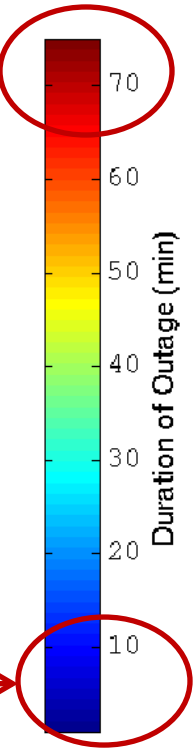
The WAAS NPA Contour is shown here with a purple line (See #1). The table in the lower right-hand corner indicates the percentage of SPS RAIM RNP 0.3 available within and without the WNR Coverage area. In this plot, for example, the first line in the table shows that 95% of the WRN was available 100% of the time within the WNR Coverage area and also 100% globally (See#2 below).



The Color Scale

The color block to the right of the diagram indicates Duration of Outages in minutes. Any white on the plots show 100% RAIM coverage.

The brown end of the color block indicates a longer duration



The blue end of the spectrum shows a shorter period of outages.