

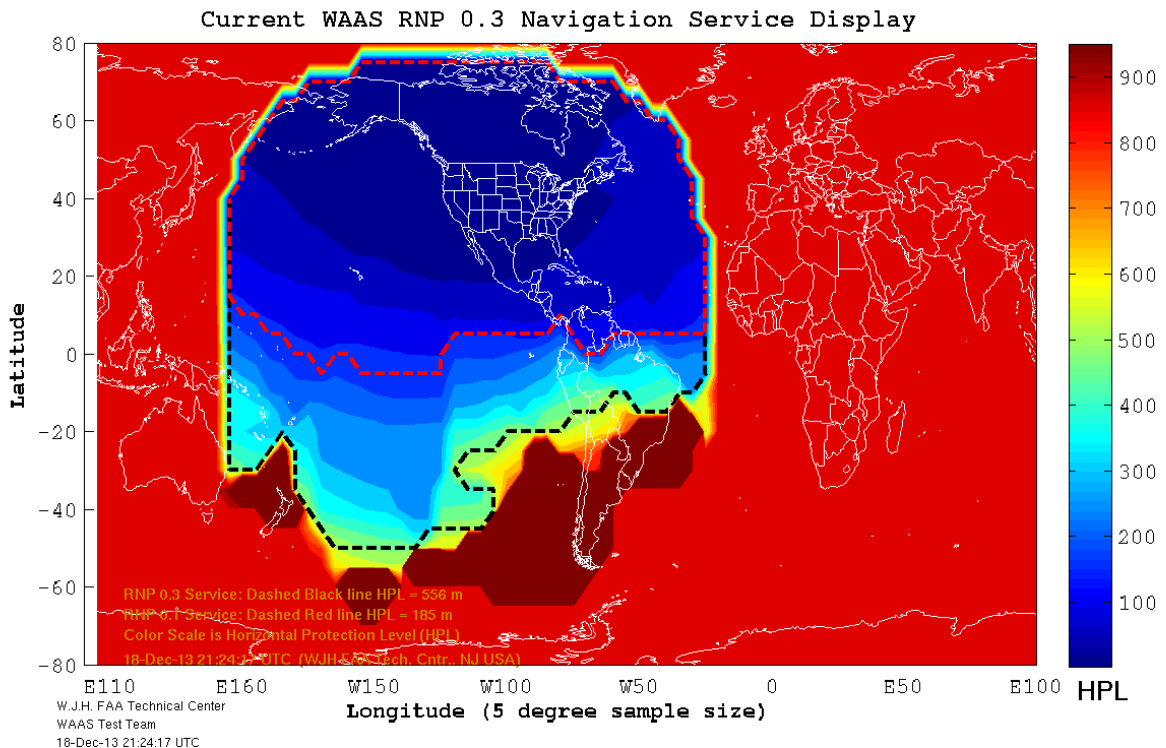
WAAS RNP Performance Video

Wide Area Augmentation System
Required Navigation Performance

This video depicts the WAAS Horizontal Navigation Service 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 WAAS Required Navigation Performance (RNP) 0.3 Service Level and RNP 0.1 Service performance in three minute increments. Note that the WAAS service HPLs are calculated on a 5 degree grid.

The dashed black line (Horizontal Protection Level, or HPL is ≤ 556 meters) shows the contour of the RNP 0.3 Service Level while RNP 0.1 Service level is shown using the dashed red line. (Horizontal Protection Level, or HPL is ≤ 185 meters)

In order to calculate HPL, only WAAS monitored satellites are used. The red areas show where WAAS is not available due to the footprint of WAAS Geostationary Satellites and WAAS service availability.

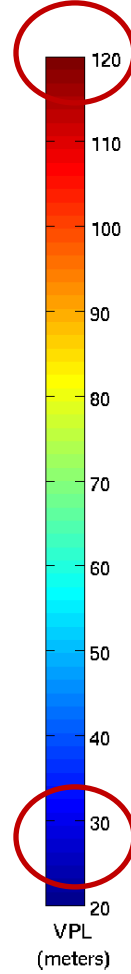


The Color Scale

The Color Scale

The color scale shows the HPL, or Horizontal Protection Level.

The brown end of the spectrum indicates a high HPL.



The blue color shows a much lower HPL.

