WAAS RNP
Wide Area Augmentation System
Required Navigation Performance

This real-time plot depicts the WAAS Horizontal Navigation Service. It shows where Required Navigation Performance (RNP) 0.3 Service Level and RNP 0.1 Service levels are located. 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 RNP 0.1 and RNP 0.3 service is not available due to the footprint of WAAS Geostationary Satellites and WAAS service availability.
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.
The time tag indicates the plot update time (See #1 below). The current WAAS service is calculated on a 5 degree grid (See #2 below) and updated every 3 minutes. Please note, however, that the page refreshes every 2 minutes (See #3 below).

Data is updated every three minutes, page refreshes every two minutes.