

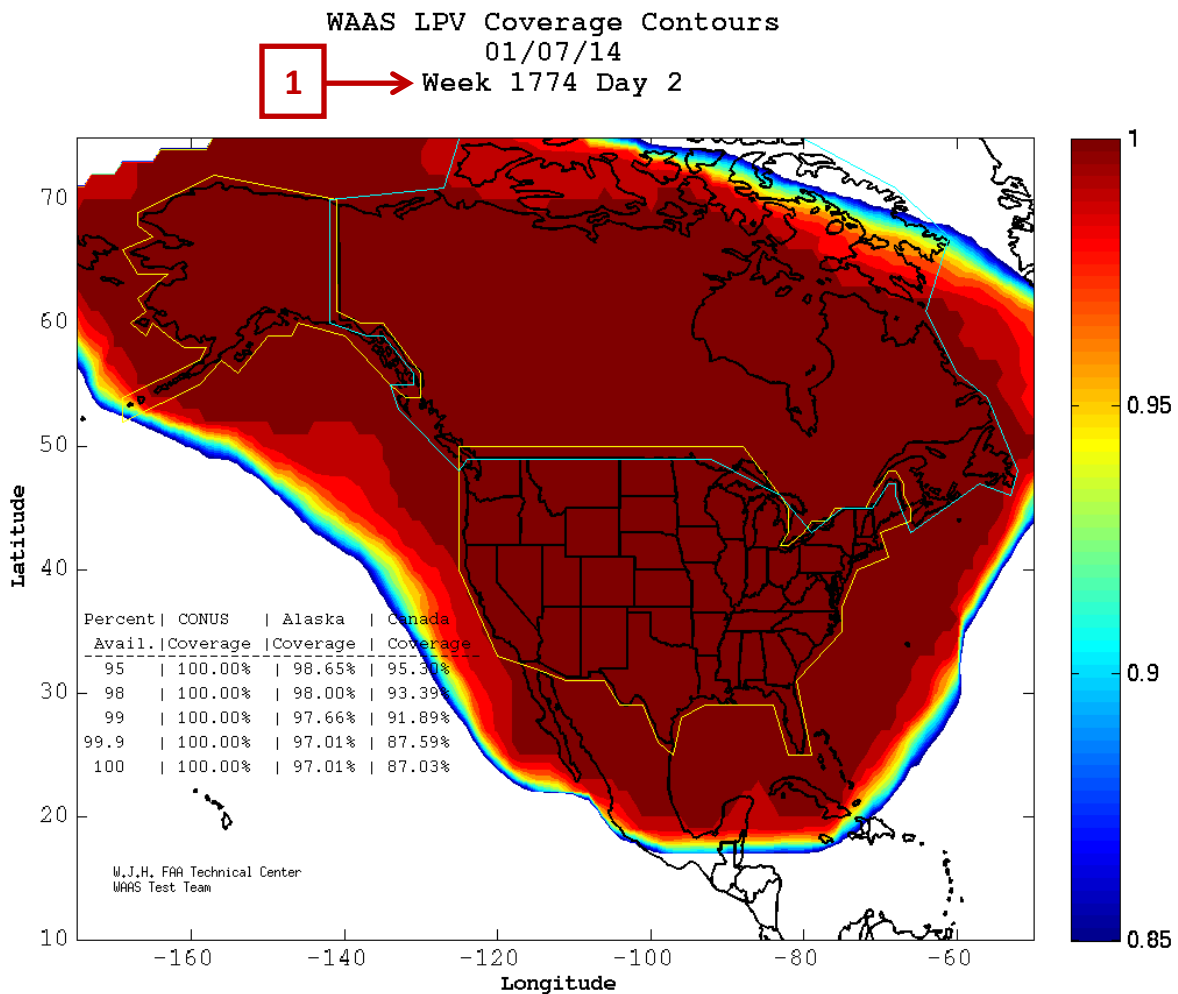
WAAS LPV

Wide Area Augmentation System
Lateral Precision with Vertical Guidance

This daily 24-hour plot below depicts the Wide Area Augmentation System (WAAS) Lateral Precision with Vertical Guidance (LPV) service in North America. For this plot the day begins at 0:00 Greenwich Mean Time (GMT). LPV Coverage Areas are divided into three regions:

- Alaska – outlined by the yellow line
- The Contiguous United States (CONUS) – also outlined in yellow
- Canada – outlined in blue

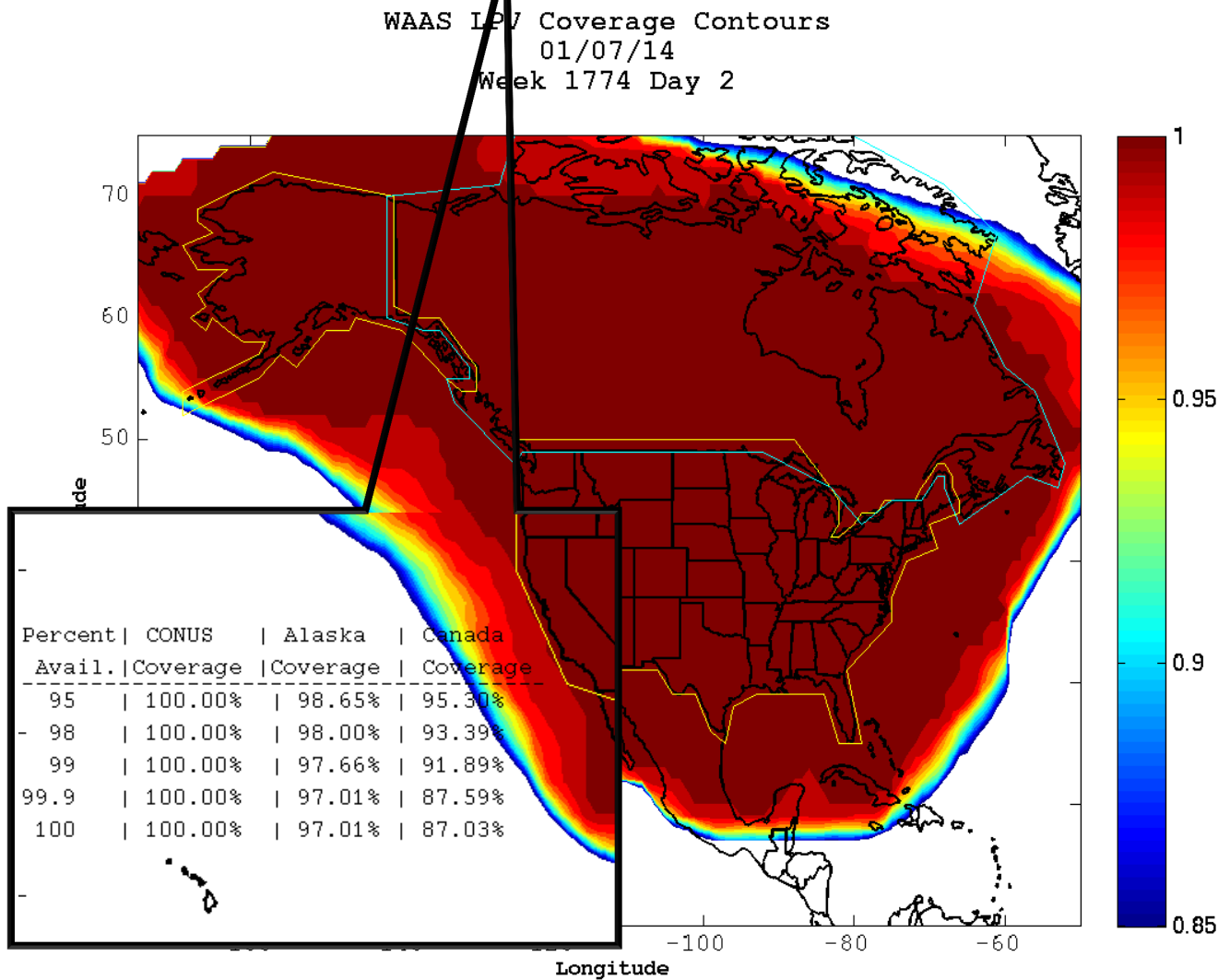
#1 below shows the number of weeks that have elapsed since the GPS epoch date of Sunday, January 6, 1980, which was week 0. Sunday is defined as the start of a week and is always day 0; Monday is day 1; Tuesday is 2 and so on. The plot below is from a Tuesday that is 1,774 weeks since the GPS epoch.



Percent of LPV Coverage:

The LPV coverage for North America is divided into percentage by region. The HPL and VPL is calculated at a 1 degree grid spacing to determine if WAAS LPV service is available at each of these grid points. Adding up the availability of each grid point over a 24 hour period in a region determines the availability of WAAS LPV service in that region.

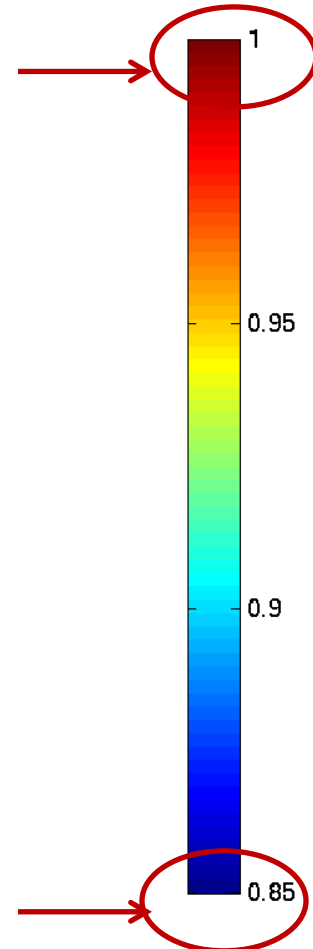
In the table within the diagram, for example, the third line shows that WAAS LPV was available 99% of the time in 100% of the area covered in CONUS, 97.66% of the area covered in Alaska and 91.89% of the area covered in Canada.



The Color Scale

The color scale shows the percent of WAAS LPV Coverage.

The brown end of the spectrum indicates high WAAS LPV Coverage,
1 = 100% Coverage



The blue color shows a much lower WAAS LPV coverage.
The bottom of the scale is showing 0.85, or 85% Coverage

The white area in the plot indicates WAAS LPV Coverage of <85%.