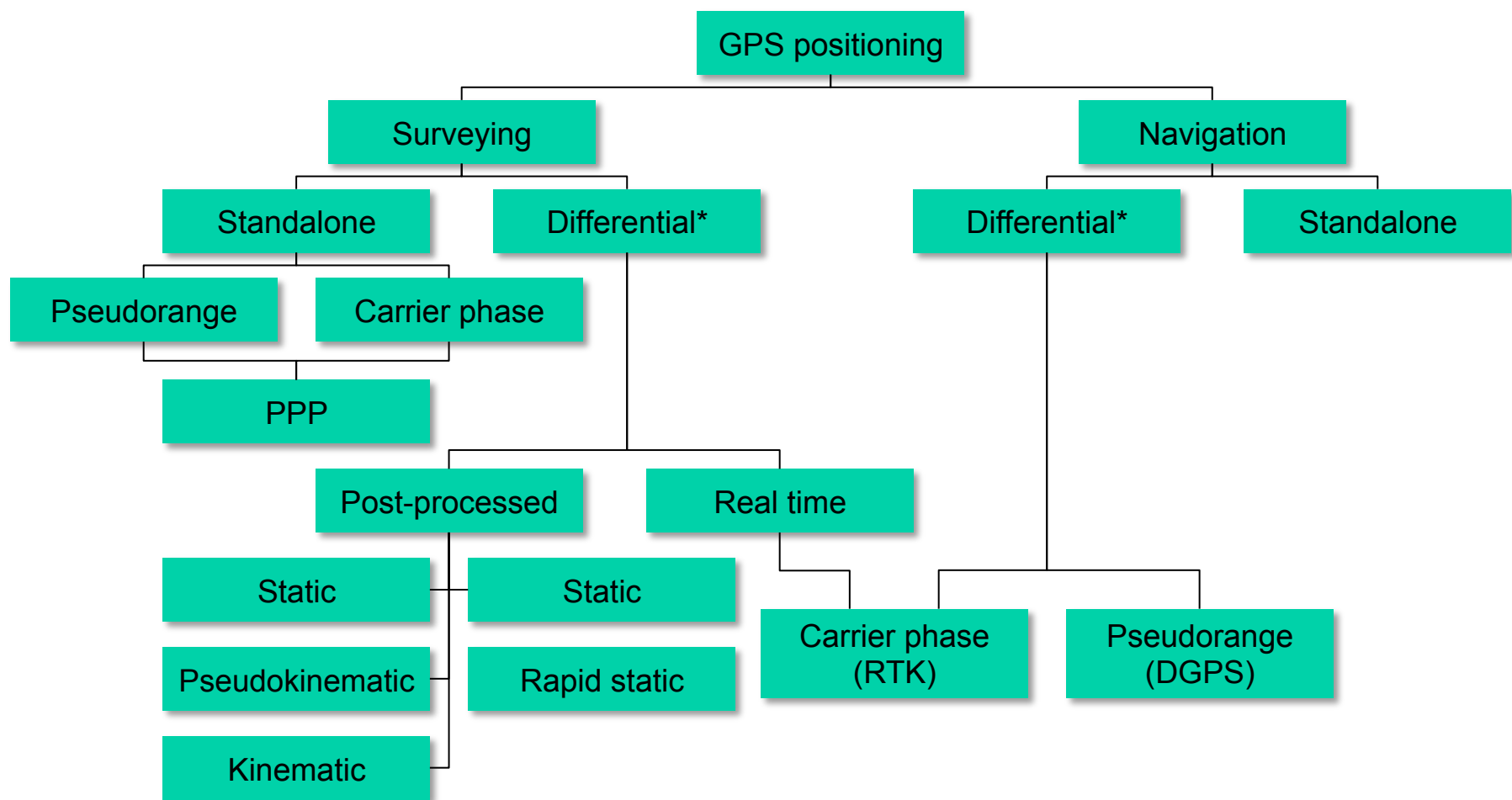




Some GPS Positioning Modes



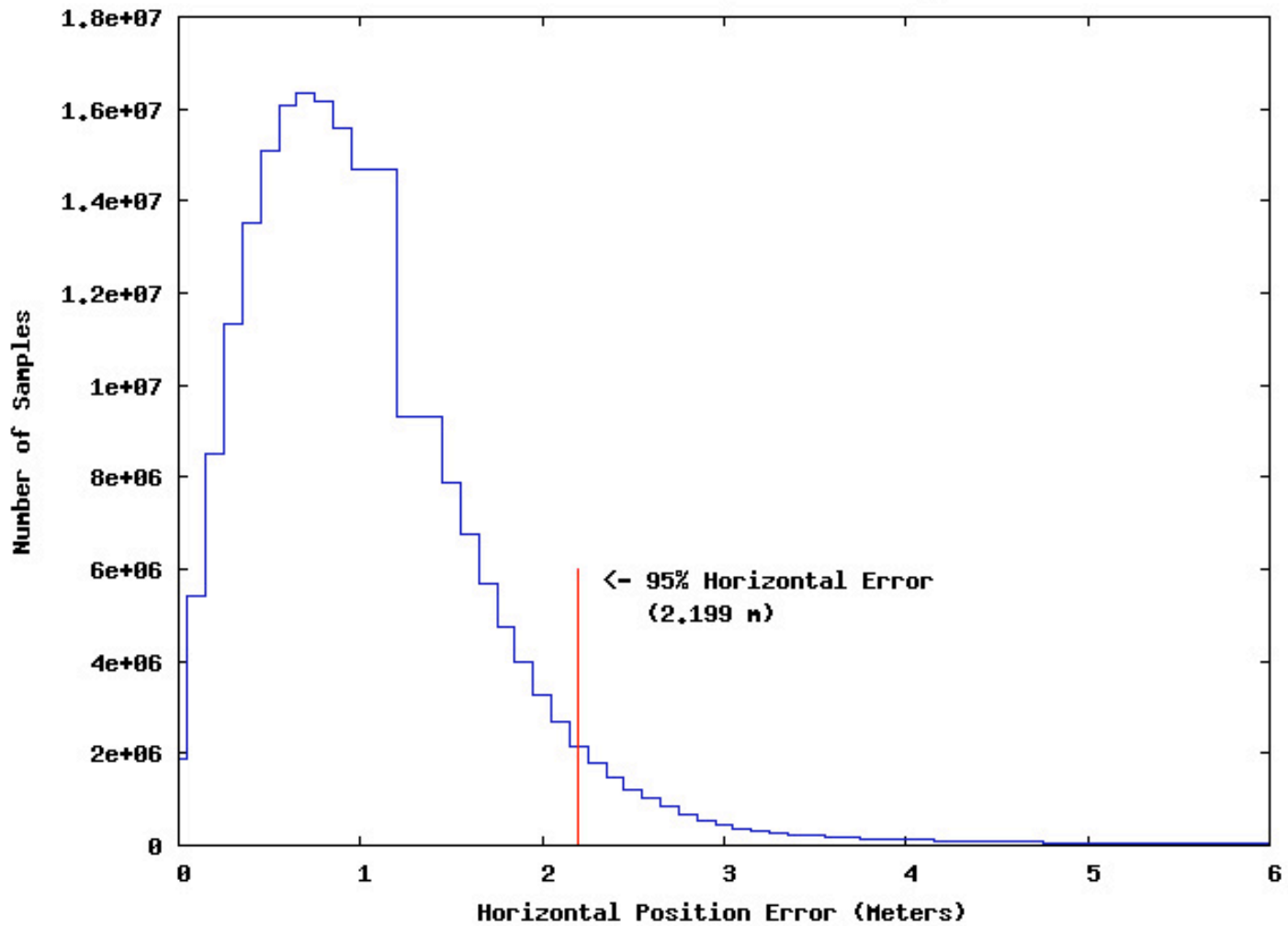
* Typically, double differencing



SPS Horizontal Position Error at WAAS Sites



Horizontal Position Error Histogram: 1 January - 31 March 2011

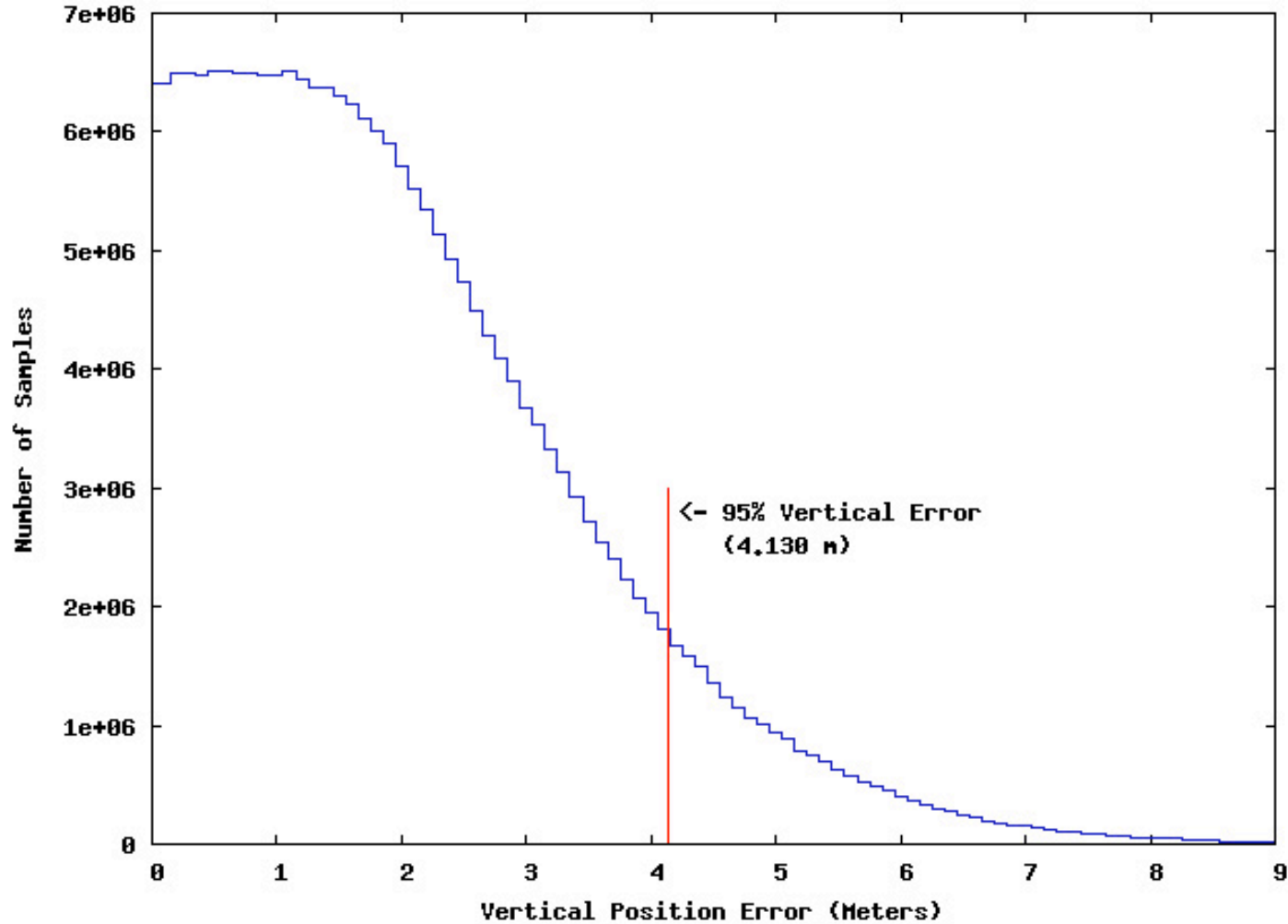




SPS Vertical Position Error at WAAS Sites



Vertical Position Error Histogram: 1 January - 31 March 2011





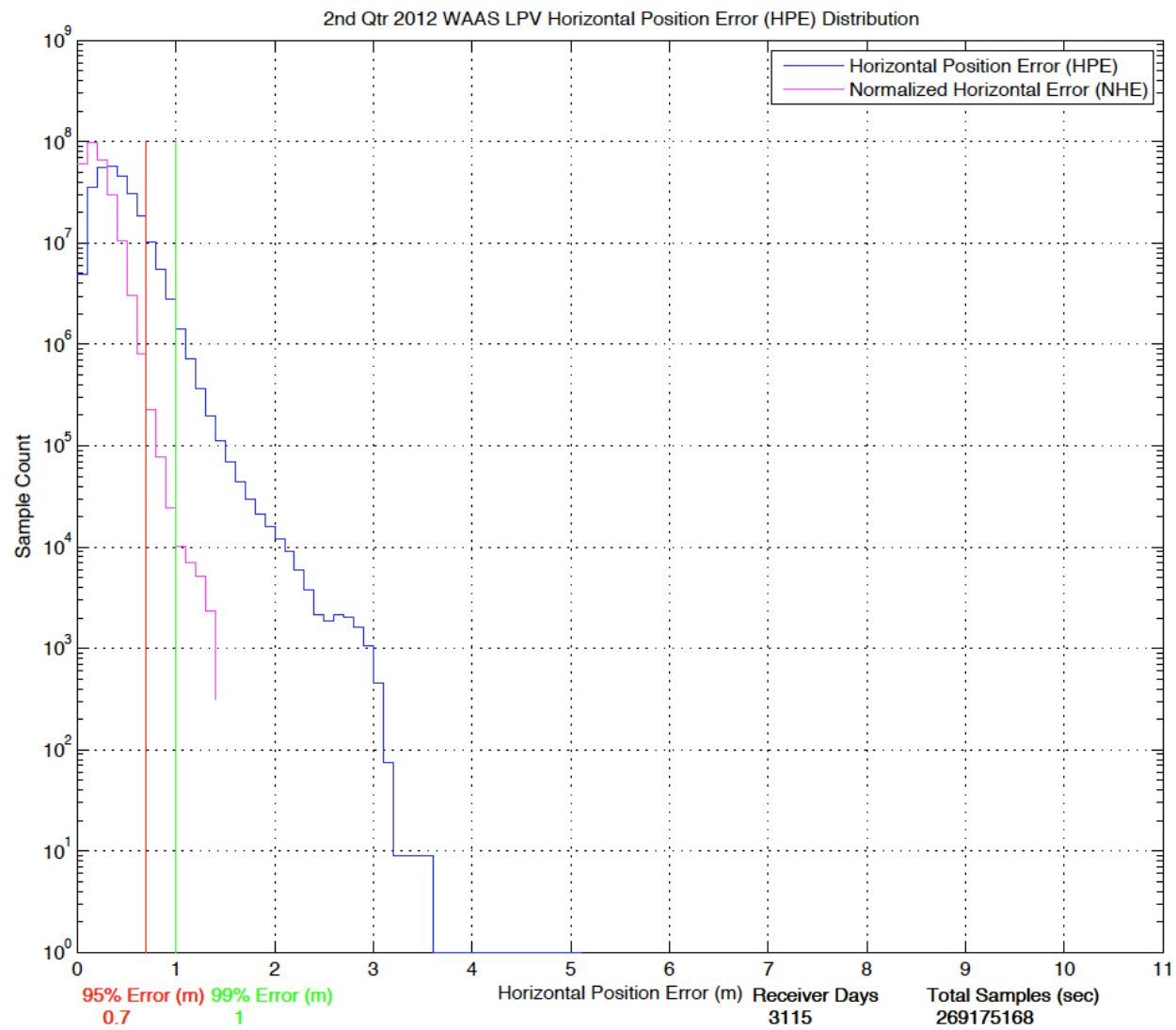
WAAS Accuracies



- Position accuracy obtainable from WAAS depends on the timeliness and accuracy of the corrections as well as measurement noise and multipath.
- Best case scenario is provided by results from the 38-station WAAS monitoring network. Sites use special monitor receivers, choke-ring antennas, and generally have a low multipath environment.
- The following histograms are from the FAA's Wide-Area Augmentation System Performance Analysis Report, #41, for the period 1 April to 30 June, 2012.
- The magenta traces show the distributions of the actual vertical and horizontal errors normalized by one-sigma value of the protection level; vertical - (VPL/5.33) and horizontal - (HPL/6.0).



WAAS Horizontal Accuracy





WAAS Vertical Accuracy

