

NOAA to Ensure GNSS Accuracy

NOAA will lead an international effort to pinpoint the locations of more than 40 global positioning satellites in Earth orbit, which is vital to ensuring the accuracy of GPS data that millions worldwide rely upon every day for safe navigation and commerce. NOAA personnel will compile and analyze satellite orbit data from 10 analysis centers worldwide to ensure the accuracy of GPS information.

For the next four years [NOAA's National Geodetic Survey](#) will serve as the Analysis Center Coordinator for the International Global Navigation Satellite Systems Service, a voluntary federation of more than 200 organisations that provide continuous global satellite-tracking data. For GPS receivers to provide accurate information, the precise location of positioning satellites as they orbit the Earth must first be determined.

The Global Navigation Satellite Systems, which include the U.S.-based Global Positioning System, the Russian GLONASS system, and the upcoming European Galileo system, are used for accurately determining the geographic position of any point on Earth.