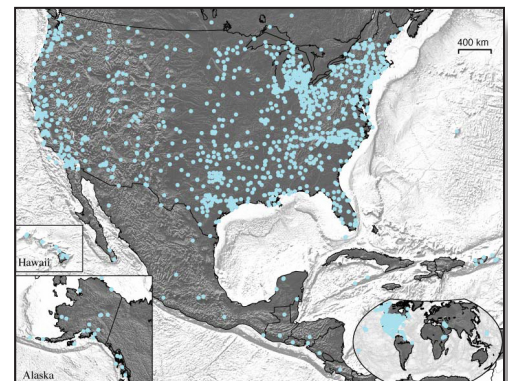




NOAA's CORS Program Enables Accurate Positioning

NOAA's National Geodetic Survey (NGS) manages a network of **Continuously Operating Reference Stations (CORS)**, that provide Global Navigation Satellite System (GNSS) data to support three-dimensional positioning, meteorology, space weather, and geophysical applications throughout the United States, its territories, and a few foreign countries. The CORS network is a multi-purpose cooperative endeavor involving over 200 government, academic, and private organizations. NGS partners contribute more than 1,200 independently owned and operated stations to the CORS network. The primary objective of the CORS Program is to define and maintain the **National Spatial Reference System (NSRS)**. The CORS Program also:

- **Provides** free access to GNSS data from the CORS network,
- **Establishes** coordinates and velocities of CORS stations with respect to the NSRS,



- **Enables** users to determine centimeter-level positions with respect to the NSRS by simultaneously processing their own GNSS data with data from the CORS network,
- **Computes** GPS satellite orbits to support post-processing applications,
- **Provides** Web services for post-processing GNSS data via its Online Positioning User Service (OPUS),
- **Calibrates** GPS antenna phase center values, and
- **Establishes** guidelines for operating and using active geodetic control networks.

For more information, contact NGS:

- **On the Web**
www.ngs.noaa.gov/CORS
- **By e-mail**
ngs.cors@noaa.gov

CORS