

CITY OF KNOXVILLE READJUSTMENT TO NAD 83(2011)

As of June 17, 2013, the City of Knoxville Survey Control Network will be referenced to the NAD 83(2011) adjustment. This adjustment is a further refinement of the relationship between "passive" control stations (i.e., in ground monuments that can be occupied), positioned using Global Navigation Satellite System (GNSS) technology and "active" control stations (i.e., Continuously Operating Reference Stations (CORS)).

NGS completed the National Adjustment of 2011 Project on June 30, 2012. The adjustment involved reprocessing CORS data collected from January 1994 to April 2011 for the NGS Multi-Year CORS Solution (MYCS1) project. The adjustment was simultaneously applied to the active and passive control networks and constrained by the CORS network to optimize the relationship between the two.

The new adjustment is named NAD 83(2011/PA11/MA11) epoch 2010.00. The NAD 83 label indicates this is an adjustment only, not a datum change. 2011 refers to the North America tectonic plate, PA11 refers to the Pacific plate, and MA11 refers to the Marianas plate. Epoch 2010.00 references the coordinates to their positions as of January 1, 2010. The time distinction is especially important in areas with high tectonic activity. In the contiguous United States (CONUS), NAD 83(2011) is the shortened designation used by the National Geodetic Survey (NGS).