

GPS Data File Disclaimer

The raw GPS data files available on this site are intended for use by Professional Land Surveyors. Before using this raw data, users should be familiar with the local geodetic datum and GPS adjustment procedures.

These are unadjusted Trimble GPS Data files obtained with a Trimble 5700 Geodetic Receiver. The antenna is a Trimble Zephyr Geodetic with GP. The logging interval is set at 1.0 sec. The base station is located at the Lake County Engineer's Maintenance Garage and is mounted on the south end of the building, above the roof.

If you are not using Trimble software, you will have to convert this raw data to a Rinex file.

Our fixed base station position is as follows: (set by ODOT)

Geographical Coordinates WGS 84: Latitude - 41° 43'35.61109"
Longitude - 81° 17'11.04743"
Height: 165.666 meters

Using raw data and converting using OPUS (CORS), the following SPC have been consistently obtained. These coordinates are only to be used as a check and comparison for your coordinate adjustment. Your results may differ slightly due to various influences over time.

Ohio North 3041 State Plane Coordinates Grid: NAD 83 (CORS96)

Northing: 229450.258 meters
Easting: 700973.911 meters

Latitude - 41° 43'35.53480"
Longitude - 81° 17'11.05677
Height: 163.358 meters (ant height 0.0)
Ortho Height : 197.764 meters Geoid 03 NAVD 88

Please note that the Lake County Geodetic Monuments and the (lakegis.org) GIS Ortho mapping are adjusted to NAD 83, 1986 adjustment and NAVD 88. Monument locations and Data sheets are available online.

Questions and Comments may be sent to:

The Office of the Lake County Engineer
Survey Department
Bruce R. Landeg, P.E., P.S.
Chief Surveyor
bruce.landeg@lakecountyohio.gov