



GPS/GNSS Base Station Information

The City of North Las Vegas currently maintains two continuously operating GPS/GNSS Base Stations using Trimble NETR9 GNSS Reference Receivers. The Coordinate Reference Frame for these reference stations is NAD83(2011)(EPOCH:2010.0000.) The Latitude, Longitude and Ellipsoidal Height of each reference station was calculated by processing 24 hour files using the National Geodetic Survey (NGS) Online Positioning User Service (OPUS) Projects application. Eighteen NGS Continually Operating Reference Stations (CORS) were selected along the perimeter and interior of the network and were constrained to the published coordinates to conduct the final adjustment of the network coordinates.

Static GPS/GNSS Position Information

Static GPS/GNSS files for both these stations are stored by The Utah Reference Network (TURN) GPS under the station names of **NVNL** and **NVKP**. The TURN GPS website has a turnover time of 30 days and can be accessed at <http://turngps.utah.gov/>. If you are not currently a TURN GPS subscriber and need Static GPS/GNSS Position Information, please contact the City of North Las Vegas Survey Division.

Real-Time Kinematic (RTK) Data

The City currently provides a RTK data link for station **NVNL** via radio frequency pursuant to FCC license FRN 0001585686, which expires 7/19/2024. A RTK data link is also available for both stations through the internet via TURN GPS (Subscription Required). See information for each station below:

Station:	NVNL North Las Vegas	Station:	North Las Vegas KPEX
Station code:	NVNL	Station code:	KPEX
Latitude:	N 36° 12' 44.08332"	Latitude:	N 36° 23' 22.99121"
Longitude:	W 115° 07' 34.20166"	Longitude:	W 114° 55' 35.90714"
Height:	560.436 m	Height:	667.772 m
Sensor Type:	Trimble NETR9	Sensor Type:	Trimble NETR9
RTK Data Via:	RF and Internet	RTK Data Via:	Internet Only
Radio Freq.:	453.525 MHz	Radio Freq.:	None

The radio frequency protocol settings are: 8-bit coding, none parity and on stop bit (8-none-1) running at 4800 bits-per-second baud rate.

Contact Information for the City of North Las Vegas Survey Division

2250 Las Vegas Boulevard North, Suite 200
North Las Vegas, NV 89030
Gary Hancock, PLS
hancockg@cityofnorthlasvegas.com
Phone: (702) 633-1310