



FPRN News

April 29, 2020

New Station

In a continuing effort to improve network performance, we are replacing the Defuniak Springs station with a new station in Ponce DeLeon (FLPD) . The new station should be operational on April 29, 2020. When the Ponce DeLeon (FLPD) station becomes operational, the Defuniak Springs station we be decommissioned.

Custom Geoid

In a continuing effort to improve the elevations derived from GNSS readings when using the FPRN, we have released another custom Geoid file. The new custom geoid file is named "FPRN18". We once again are supplying the geoid files in multiple vendor formats.

We have provided a link on the "User Portal" (<https://www.myfloridagps.com/sbc>), titled FPRN Geoid 18 (located at the bottom of the screen).

Also, we have created a link on our "Home Page" (<https://www.fdot.gov/geospatial/fprn.shtm>), titled Florida Custom Geoid Package FPRN18 (under the Maps section).

We will continue to offer the old Florida Custom Geoid, titled FPRN Geoid 16B (located on both the "User Portal" and "Home Page").

Network Solution

When using port 10000 to receive corrections you **MUST** turn on your NMEA (GGA) message string, and it must be set to broadcast at a rate of 30 seconds or less (we suggest 15 or 20 seconds).

ITRF 2014

The NGS's proposed changes to our Geodetic Datums in 2022 will have a great impact on precise positioning systems. On January 6, 2020, we started broadcasting a secondary set of corrections. These corrections are in alignment with the ITRF 2014 datum which is vitually the same as the North American Reference Frame of 2022 (with the exception of velocities).

This secondary datum will allow users to start updating the coordinates in their local databases. It may also be useful for projects that will extend past the National Spatial Reference System (NSRS) 2022 implementaion date.

If you wish to receive this broadcast, please contact Ron Hanson to express your need.