


FPRN Datasheet

| | | |
|--------------------|-------------------|---|
| Site Name: | Gainesville |  <p>FDOT Florida Permanent Reference Network</p> |
| Site Code: | GNVL | |
| RTCM Code: | 0203 | |
| Receiver Type: | LEICA GR30 | |
| Serial Number: | 1702008 | |
| Firmware: | 4.30 | |
| Antenna Type: | LEIAR20 NONE | |
| Serial Number: | 16157005 | |
| Satellite Systems: | G/R/E/-/- | |

NAVD 88 Orthometric Height

| | | |
|----------------|------------------|-----------------|
| Leveled | Geoid 18* | FPRN18** |
| 51.824 M | 51.838 M | 51.839 M |

NAD 83 (2011) epoch 2010.000 Current Broadcast Datum of FPRN

After 1/6/2020

| Geodetic Position* | |
|------------------------|--------------------|
| Latitude | 29°41'11.55711" N |
| E Longitude | 277°43'23.26427" E |
| W Longitude | 82°16'36.73573" W |
| Ellipsoid Height | 23.946 M |
| Cartesian Coordinates* | |
| X = 745247.917 M | |
| Y = -5495264.659 M | |
| Z = 3140246.804 M | |

| State Plane Coordinates* | |
|--------------------------|--|
| Zone: FL N | |
| N: 78199.495 M | |
| E: 815155.139 M | |
| UTM Coordinates* | |
| Zone: 17 | |
| N: 3284734.514 M | |
| E: 376458.311 M | |

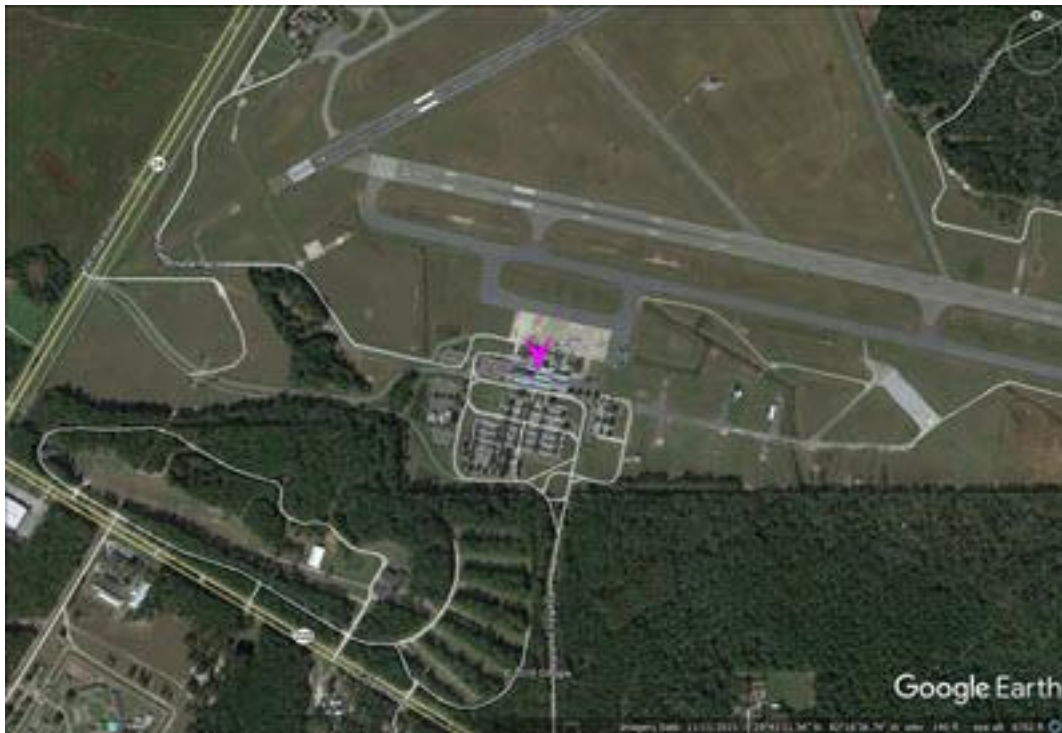
ITRF 2014 epoch 2019.838

After 1/6/2020

| Geodetic Position* | |
|------------------------|----------------------|
| Latitude | 29° 41' 11.57918" N |
| E Longitude | 277° 43' 23.24099" E |
| W Longitude | 82° 16' 36.75901" W |
| Ellipsoid Height | 22.441 M |
| Cartesian Coordinates* | |
| X = 745247.076 M | |
| Y = -5495263.114 M | |
| Z = 3140246.649 M | |

| State Plane Coordinates* | |
|--------------------------|--|
| Zone: - | |
| N: - M | |
| E: - M | |
| UTM Coordinates* | |
| Zone: - | |
| N: - M | |
| E: - M | |
| UTM Coordinates* | |
| Zone: 17 | |
| N: 3284735.200 M | |
| E: 376457.693 M | |

FPRN Datasheet
For
Gainesville (GNVL)



* Positions and Coordinates were calculated using OPUS Projects software published by National Geodetic Survey (NGS).
** FPRN18 Orthometric Heights were calculated using Infinity software published by Leica Geosystems.



NAD 83 (2011) epoch 2010.000

After 9/6/2019

| Geodetic Position* | |
|------------------------|---------------------|
| Latitude | 29° 41' 11.55697" N |
| W Longitude | 82° 16' 36.73521" W |
| Ellipsoid Height | 23.936 M |
| Cartesian Coordinates* | |
| X = 745247.930 M | |
| Y = -5495264.650 M | |
| Z = 3140246.795 M | |

| State Plane Coordinates* | | | | | | | | | |
|--------------------------|--|------------------|--|----------|--|------------------|--|-----------------|--|
| Zone: FL N | | | | | | | | | |
| N: 78199.491 M | | | | | | | | | |
| E: 815155.154 M | | UTM Coordinates* | | Zone: 17 | | N: 3284734.509 M | | E: 376458.325 M | |
| UTM Coordinates* | | | | | | | | | |
| Zone: 17 | | | | | | | | | |
| N: 3284734.509 M | | | | | | | | | |
| E: 376458.325 M | | | | | | | | | |

ITRF 2014 epoch 2019.078

After 9/6/2019

| Geodetic Position* | |
|------------------------|----------------------|
| Latitude | 29° 41' 11.57910" N |
| E Longitude | 277° 43' 23.24134" E |
| W Longitude | 82° 16' 36.75866" W |
| Ellipsoid Height | 22.443 M |
| Cartesian Coordinates* | |
| X = 745247.086 M | |
| Y = -5495263.116 M | |
| Z = 3140246.648 M | |

| State Plane Coordinates* | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------|--|------------------|--|----------|--|------------------|--|-----------------|--|------------------|--|----------|--|------------------|--|-----------------|--|------------------|--|----------|--|------------------|--|-----------------|--|
| Zone: - | | | | | | | | | | | | | | | | | | | | | | | | | |
| N: - M | | | | | | | | | | | | | | | | | | | | | | | | | |
| E: - M | | UTM Coordinates* | | Zone: - | | N: - M | | E: - M | | UTM Coordinates* | | Zone: - | | N: - M | | E: - M | | UTM Coordinates* | | Zone: 17 | | N: 3284735.198 M | | E: 376457.702 M | |
| UTM Coordinates* | | | | | | | | | | | | | | | | | | | | | | | | | |
| Zone: - | | | | | | | | | | | | | | | | | | | | | | | | | |
| N: - M | | | | | | | | | | | | | | | | | | | | | | | | | |
| E: - M | | UTM Coordinates* | | Zone: - | | N: - M | | E: - M | | UTM Coordinates* | | Zone: 17 | | N: 3284735.198 M | | E: 376457.702 M | | | | | | | | | |
| UTM Coordinates* | | | | | | | | | | | | | | | | | | | | | | | | | |
| Zone: - | | | | | | | | | | | | | | | | | | | | | | | | | |
| N: - M | | | | | | | | | | | | | | | | | | | | | | | | | |
| E: - M | | UTM Coordinates* | | Zone: 17 | | N: 3284735.198 M | | E: 376457.702 M | | | | | | | | | | | | | | | | | |
| UTM Coordinates* | | | | | | | | | | | | | | | | | | | | | | | | | |
| Zone: 17 | | | | | | | | | | | | | | | | | | | | | | | | | |
| N: 3284735.198 M | | | | | | | | | | | | | | | | | | | | | | | | | |
| E: 376457.702 M | | | | | | | | | | | | | | | | | | | | | | | | | |

NAD 83 (2011) epoch 2010.000

After 8/16/2018

| Geodetic Position* | |
|------------------------|---------------------|
| Latitude | 29° 41' 11.55705" N |
| W. Longitude | 82° 16' 36.73600" W |
| Ellipsoid Height | 23.935 M |
| Cartesian Coordinates* | |
| X = 745247.909 M | |
| Y = -5495264.651 M | |
| Z = 3140246.797 M | |

| State Plane Coordinates* | | | | | | | | | |
|--------------------------|--|------------------|--|----------|--|------------------|--|-----------------|--|
| Zone: FL N | | | | | | | | | |
| N: 78199.493 M | | | | | | | | | |
| E: 815155.132 M | | UTM Coordinates* | | Zone: 17 | | N: 3284734.512 M | | E: 376458.304 M | |
| UTM Coordinates* | | | | | | | | | |
| Zone: 17 | | | | | | | | | |
| N: 3284734.512 M | | | | | | | | | |
| E: 376458.304 M | | | | | | | | | |



NAD 83 (2011) epoch 2010.000

After 8/25/2015

| Geodetic Position* | |
|------------------------|---------------------|
| Latitude | 29° 41' 11.55705" N |
| W. Longitude | 82° 16' 36.73600" W |
| Ellipsoid Height | 23.935 M |
| Cartesian Coordinates* | |
| X = 745247.909 M | |
| Y = -5495264.651 M | |
| Z = 3140246.797 M | |

| State Plane Coordinates* | |
|--------------------------|--|
| Zone: FL N | |
| N: 78199.493 M | |
| E: 815155.132 M | |
| UTM Coordinates* | |
| Zone: 17 | |
| N: 3284734.512 M | |
| E: 376458.304 M | |

NAD 83 (2011) epoch 2010.000

After 8/2/2014

| Geodetic Position* | |
|------------------------|---------------------|
| Latitude | 29° 41' 11.55705" N |
| W. Longitude | 82° 16' 36.73600" W |
| Ellipsoid Height | 23.935 M |
| Cartesian Coordinates* | |
| X = 745247.909 M | |
| Y = -5495264.651 M | |
| Z = 3140246.797 M | |

| State Plane Coordinates* | |
|--------------------------|--|
| Zone: FL N | |
| N: 78199.493 M | |
| E: 815155.132 M | |
| UTM Coordinates* | |
| Zone: 17 | |
| N: 3284734.512 M | |
| E: 376458.304 M | |

NAD 83 (CORS96)

Prior to 8/2/2014

| Geodetic Position* | |
|------------------------|---------------------|
| Latitude | 29° 41' 11.55714" N |
| W. Longitude | 82° 16' 36.73662" W |
| Ellipsoid Height | 23.935 M |
| Cartesian Coordinates* | |
| X = 745247.892 M | |
| Y = -5495264.652 M | |
| Z = 3140246.799 M | |

| State Plane Coordinates* | |
|--------------------------|--|
| Zone: FL N | |
| N: 78199.495 M | |
| E: 815155.116 M | |
| UTM Coordinates* | |
| Zone: 17 | |
| N: 3284734.515 M | |
| E: 376458.287 M | |