


FPRN Datasheet

| | | |
|--------------------|-------------------|---|
| Site Name: | Sanford |  <p>FDOT Florida Permanent Reference Network</p> |
| Site Code: | SNFD | |
| RTCM Code: | 0511 | |
| Receiver Type: | LEICA GR30 | |
| Serial Number: | 1702054 | |
| Firmware: | 4.30 | |
| Antenna Type: | LEIAR20 NONE | |
| Serial Number: | 16268031 | |
| Satellite Systems: | G/R/E/-/- | |

NAVD 88 Orthometric Height

| | | |
|----------------|------------------|-----------------|
| Leveled | Geoid 18* | FPRN18** |
| - M | 21.842 M | 21.855 M |

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

After 1/6/2020

| Geodetic Position* | |
|------------------------|--------------------|
| Latitude | 28°46'44.38137" N |
| E Longitude | 278°44'47.91500" E |
| W Longitude | 81°15'12.08500" W |
| Ellipsoid Height | -5.992 M |
| | |
| Cartesian Coordinates* | |
| X = 850755.705 M | |
| Y = -5529603.335 M | |
| Z = 3052451.765 M | |

| State Plane Coordinates* | |
|--------------------------|--|
| Zone: FL E | |
| N: 492562.940 M | |
| E: 175262.259 M | |
| | |
| UTM Coordinates* | |
| Zone: 17 | |
| N: 3183526.861 M | |
| E: 475270.699 M | |

ITRF 2014 epoch 2019.840

After 1/6/2020

| Geodetic Position* | |
|------------------------|----------------------|
| Latitude | 28° 46' 44.40295" N |
| E Longitude | 278° 44' 47.89323" E |
| W Longitude | 81° 15' 12.10677" W |
| | |
| Ellipsoid Height | -7.525 M |
| | |
| Cartesian Coordinates* | |
| X = 850754.868 M | |
| Y = -5529601.781 M | |
| Z = 3052451.610 M | |

| State Plane Coordinates* | |
|--------------------------|--|
| Zone: - | |
| N: - M | |
| E: - M | |
| | |
| Zone: - | |
| N: - M | |
| E: - M | |
| | |
| Zone: - | |
| N: - M | |
| E: - M | |
| | |
| UTM Coordinates* | |
| Zone: 17 | |
| N: 3183527.527 M | |
| E: 475270.110 M | |

FPRN Datasheet
For
Sanford, FL (SNFD)



* 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 | 28° 46' 44.38111" N |
| W Longitude | 81° 15' 12.08451" W |
| Ellipsoid Height | -6.005 M |
| | |
| Cartesian Coordinates* | |
| X = 850755.717 M | |
| Y = -5529603.326 M | |
| Z = 3052451.752 M | |

| State Plane Coordinates* | | | | | | | | | | | |
|--------------------------|--|--|--|------------------|--|----------|--|------------------|--|-----------------|--|
| Zone: FL E | | | | | | | | | | | |
| N: 492562.904 M | | | | | | | | | | | |
| E: 175262.272 M | | | | UTM Coordinates* | | Zone: 17 | | N: 3183526.853 M | | E: 475270.712 M | |
| | | | | | | | | | | | |
| UTM Coordinates* | | | | | | | | | | | |
| Zone: 17 | | | | | | | | | | | |
| N: 3183526.853 M | | | | | | | | | | | |
| E: 475270.712 M | | | | | | | | | | | |

ITRF 2014 epoch 2019.078

After 9/6/2019

| Geodetic Position* | |
|------------------------|----------------------|
| Latitude | 28° 46' 44.40283" N |
| E Longitude | 278° 44' 47.89359" E |
| W Longitude | 81° 15' 12.10641" W |
| | |
| Ellipsoid Height | -7.532 M |
| | |
| Cartesian Coordinates* | |
| X = 850754.877 M | |
| Y = -5529601.775 M | |
| Z = 3052451.603 M | |

| State Plane Coordinates* | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------|--|--|--|------------------|--|----------|--|------------------|--|-----------------|--|------------------|--|----------|--|------------------|--|-----------------|--|------------------|--|----------|--|------------------|--|-----------------|--|
| Zone: - | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| N: - M | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| E: - M | | | | Zone: - | | N: - M | | E: - M | | | | Zone: - | | N: - M | | E: - M | | | | UTM Coordinates* | | Zone: 17 | | N: 3183527.523 M | | E: 475270.120 M | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Zone: - | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| N: - M | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| E: - M | | | | Zone: - | | N: - M | | E: - M | | | | UTM Coordinates* | | Zone: 17 | | N: 3183527.523 M | | E: 475270.120 M | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Zone: - | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| N: - M | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| E: - M | | | | UTM Coordinates* | | Zone: 17 | | N: 3183527.523 M | | E: 475270.120 M | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| UTM Coordinates* | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Zone: 17 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| N: 3183527.523 M | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| E: 475270.120 M | | | | | | | | | | | | | | | | | | | | | | | | | | | |

NAD 83 (2011) epoch 2010.000

After 8/16/2018

| Geodetic Position* | |
|------------------------|---------------------|
| Latitude | 28° 46' 44.38128" N |
| W. Longitude | 81° 15' 12.08486" W |
| Ellipsoid Height | -5.992 M |
| | |
| Cartesian Coordinates* | |
| X = 850755.709 M | |
| Y = -5529603.336 M | |
| Z = 3052451.763 M | |

| State Plane Coordinates* | | | | | | | | | | | |
|--------------------------|--|--|--|------------------|--|----------|--|------------------|--|-----------------|--|
| Zone: FL E | | | | | | | | | | | |
| N: 492562.938 M | | | | | | | | | | | |
| E: 175262.263 M | | | | UTM Coordinates* | | Zone: 17 | | N: 3183526.859 M | | E: 475270.703 M | |
| | | | | | | | | | | | |
| UTM Coordinates* | | | | | | | | | | | |
| Zone: 17 | | | | | | | | | | | |
| N: 3183526.859 M | | | | | | | | | | | |
| E: 475270.703 M | | | | | | | | | | | |



NAD 83 (2011) epoch 2010.000

After 8/25/2015

| Geodetic Position* | |
|------------------------|---------------------|
| Latitude | 28° 46' 44.38128" N |
| W. Longitude | 81° 15' 12.08486" W |
| Ellipsoid Height | -5.992 M |
| Cartesian Coordinates* | |
| X = 850755.709 M | |
| Y = -5529603.336 M | |
| Z = 3052451.763 M | |

| State Plane Coordinates* | |
|--------------------------|--|
| Zone: FL E | |
| N: 492562.938 M | |
| E: 175262.263 M | |
| UTM Coordinates* | |
| Zone: 17 | |
| N: 3183526.859 M | |
| E: 475270.703 M | |

NAD 83 (2011) epoch 2010.000

After 8/2/2014

| Geodetic Position* | |
|------------------------|---------------------|
| Latitude | 28° 46' 44.38101" N |
| W. Longitude | 81° 15' 12.08481" W |
| Ellipsoid Height | -5.992 M |
| Cartesian Coordinates* | |
| X = 850755.711 M | |
| Y = -5529603.340 M | |
| Z = 3052451.756 M | |

| State Plane Coordinates* | |
|--------------------------|--|
| Zone: FL E | |
| N: 492562.929 M | |
| E: 175262.264 M | |
| UTM Coordinates* | |
| Zone: 17 | |
| N: 3183526.850 M | |
| E: 475270.704 M | |

NAD 83 (CORS96)

Prior to 8/2/2014

| Geodetic Position* | |
|------------------------|---------------------|
| Latitude | 28° 46' 44.38130" N |
| W. Longitude | 81° 15' 12.08570" W |
| Ellipsoid Height | -5.987 M |
| Cartesian Coordinates* | |
| X = 850755.687 M | |
| Y = -5529603.343 M | |
| Z = 3052451.766 M | |

| State Plane Coordinates* | |
|--------------------------|--|
| Zone: FL E | |
| N: 492562.938 M | |
| E: 175262.240 M | |
| UTM Coordinates* | |
| Zone: 17 | |
| N: 3183526.859 M | |
| E: 475270.680 M | |