


## FPRN Datasheet

Site Name:	Manatee	 <p><b>FDOT</b> Florida Permanent Reference Network</p>
Site Code:	GSPS	
RTCM Code:	0104	
Receiver Type:	LEICA GR30	
Serial Number:	1701755	
Firmware:	4.30	
Antenna Type:	LEIAR20 NONE	
Serial Number:	16034016	
Satellite Systems:	G/R/E/-/-	

### NAVD 88 Orthometric Height

<b>Leveled</b>	<b>Geoid 18*</b>	<b>FPRN18**</b>
19.070 M	19.064 M	19.071 M

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

After 1/6/2020

Geodetic Position*	
Latitude	27°29'05.80644" N
E Longitude	277°38'55.68284" E
W Longitude	82°21'04.31716" W
Ellipsoid Height	-5.648 M
Cartesian Coordinates*	
X = 753653.302 M	
Y = -5611903.531 M	
Z = 2925987.934 M	

State Plane Coordinates*	
Zone: FL W	
N: 349185.588 M	
E: 165294.451 M	
UTM Coordinates*	
Zone: 17	
N: 3040875.869 M	
E: 366513.217 M	

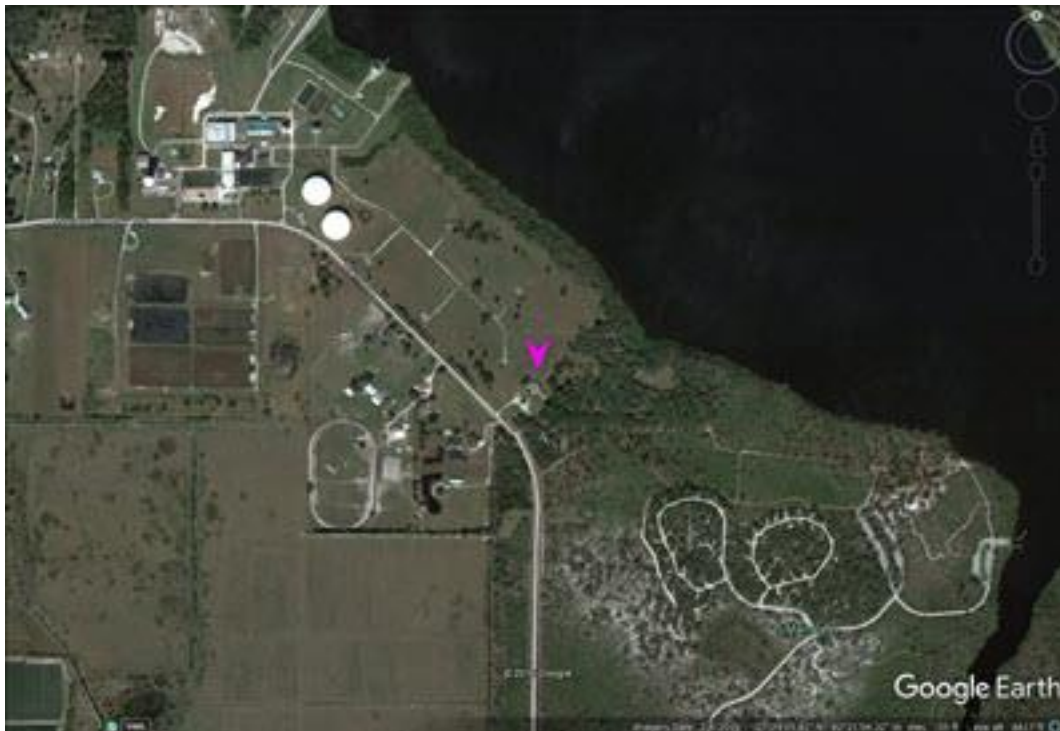
### ITRF 2014 epoch 2019.836

After 1/6/2020

Geodetic Position*	
Latitude	27° 29' 05.82639" N
E Longitude	277° 38' 55.66061" E
W Longitude	82° 21' 04.33939" W
Ellipsoid Height	-7.202 M
Cartesian Coordinates*	
X = 753652.476 M	
Y = -5611901.965 M	
Z = 2925987.761 M	

State Plane Coordinates*	
Zone: -	
N: - M	
E: - M	
Zone: -	
N: - M	
E: - M	
Zone: -	
N: - M	
E: - M	
UTM Coordinates*	
Zone: 17	
N: 3040876.490 M	
E: 366512.613 M	

FPRN Datasheet  
For  
Manatee (GSPS)



\* 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	27° 29' 05.80615" N
W Longitude	82° 21' 04.31662" W
Ellipsoid Height	-5.581 M
Cartesian Coordinates*	
X = 753653.325 M	
Y = -5611903.592 M	
Z = 2925987.957 M	

State Plane Coordinates*	
Zone: FL W	
N: 349185.579 M	
E: 165294.466 M	
UTM Coordinates*	
Zone: 17	
N: 3040875.860 M	
E: 366513.232 M	

### ITRF 2014 epoch 2019.078

After 9/6/2019

Geodetic Position*	
Latitude	27° 29' 05.82634" N
E Longitude	277° 38' 55.66096" E
W Longitude	82° 21' 04.33904" W
Ellipsoid Height	-7.129 M
Cartesian Coordinates*	
X = 753652.494 M	
Y = -5611902.029 M	
Z = 2925987.794 M	

State Plane Coordinates*	
Zone: -	
N: - M	
E: - M	
Zone: -	
N: - M	
E: - M	
Zone: -	
N: - M	
E: - M	
UTM Coordinates*	
Zone: 17	
N: 3040876.488 M	
E: 366512.623 M	

### NAD 83 (2011) epoch 2010.000

After 8/16/2018

Geodetic Position*	
Latitude	27° 29' 05.80623" N
W. Longitude	82° 21' 04.31693" W
Ellipsoid Height	-5.652 M
Cartesian Coordinates*	
X = 753653.308 M	
Y = -5611903.529 M	
Z = 2925987.926 M	

State Plane Coordinates*	
Zone: FL W	
N: 349185.581 M	
E: 165294.457 M	
UTM Coordinates*	
Zone: 17	
N: 3040875.863 M	
E: 366513.223 M	



### NAD 83 (2011) epoch 2010.000

After 8/25/2015

Geodetic Position*	
Latitude	27° 29' 05.80623" N
W. Longitude	82° 21' 04.31693" W
Ellipsoid Height	-5.652 M
Cartesian Coordinates*	
X = 753653.308 M	
Y = -5611903.529 M	
Z = 2925987.926 M	

State Plane Coordinates*											
Zone: FL W											
N: 349185.581 M											
E: 165294.457 M				UTM Coordinates*		Zone: 17		N: 3040875.863 M		E: 366513.223 M	
UTM Coordinates*											
Zone: 17											
N: 3040875.863 M											
E: 366513.223 M											

### NAD 83 (2011) epoch 2010.000

After 8/2/2014

Geodetic Position*	
Latitude	27° 29' 05.80600" N
W. Longitude	82° 21' 04.31692" W
Ellipsoid Height	-5.652 M
Cartesian Coordinates*	
X = 753653.309 M	
Y = -5611903.533 M	
Z = 2925987.920 M	

State Plane Coordinates*											
Zone: FL W											
N: 349185.574 M											
E: 165294.458 M				UTM Coordinates*		Zone: 17		N: 3040875.856 M		E: 366513.223 M	
UTM Coordinates*											
Zone: 17											
N: 3040875.856 M											
E: 366513.223 M											

### NAD 83 (CORS96)

Prior to 8/2/2014

Geodetic Position*	
Latitude	27° 29' 05.80580" N
W. Longitude	82° 21' 04.31646" W
Ellipsoid Height	-5.642 M
Cartesian Coordinates*	
X = 753653.323 M	
Y = -5611903.543 M	
Z = 2925987.919 M	

State Plane Coordinates*											
Zone: FL W											
N: 349185.568 M											
E: 165294.470 M				UTM Coordinates*		Zone: 17		N: 3040875.849 M		E: 366513.236 M	
UTM Coordinates*											
Zone: 17											
N: 3040875.849 M											
E: 366513.236 M											