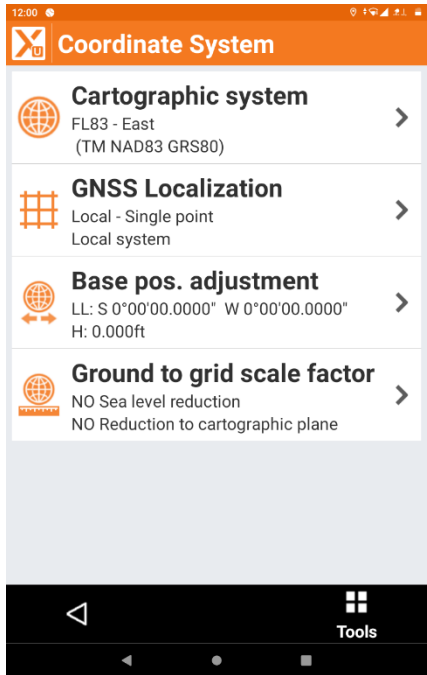
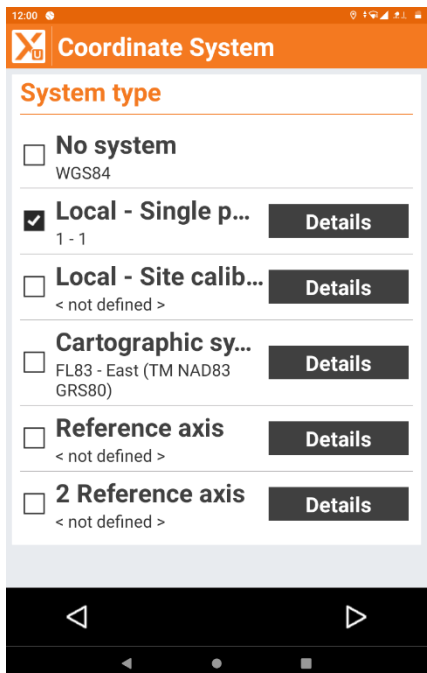


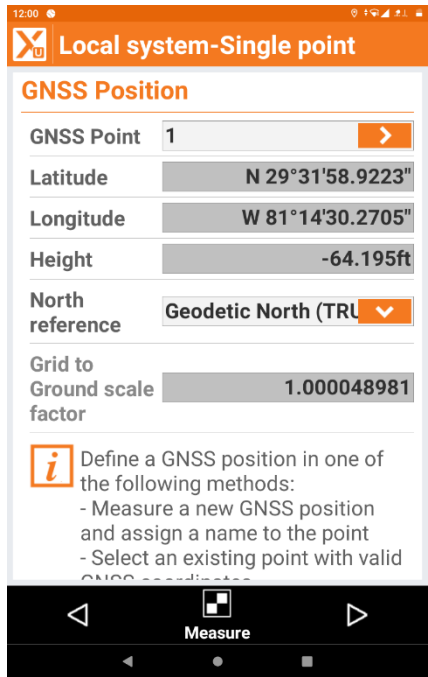
## Single Point Localization (Grid to Ground)



In your Job Settings in X-PAD Ultimate choose Coordinate System/GNSS Localization.

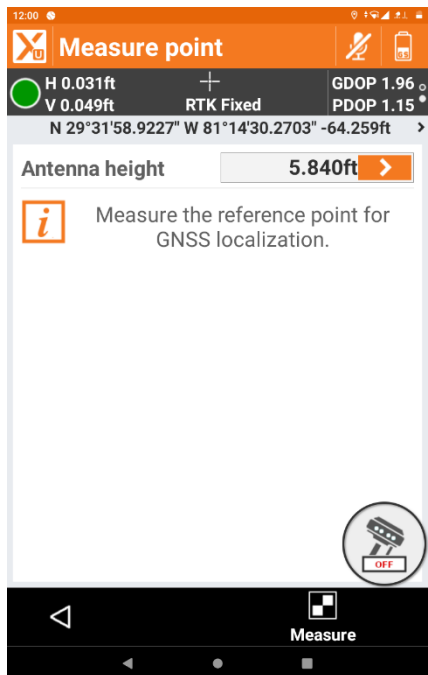


In System Type choose Local Single Point.  
Select the Arrow to the right.

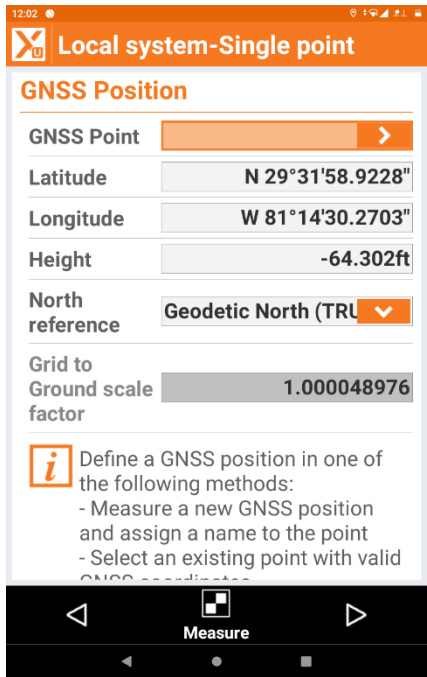


You will then be Prompted for the GNSS Point (Observed Point).

Select Measure.

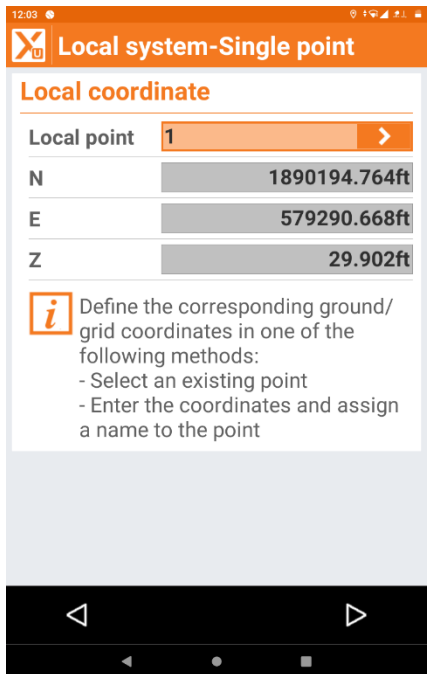


On the Measure Point screen enter your Receiver HI and select Measure to observe the point.



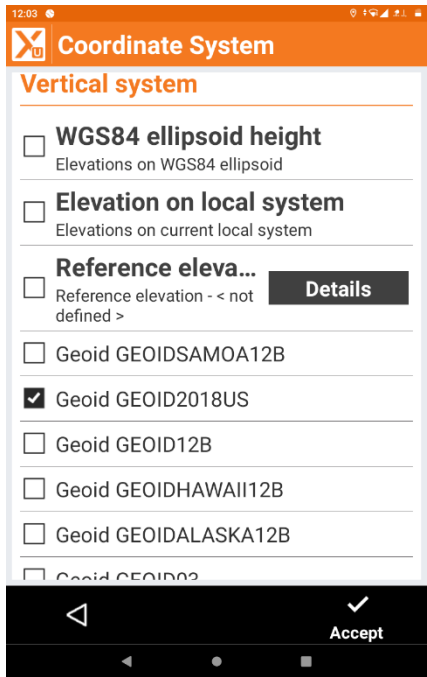
On the next screen you will be promoted to enter an Established Point or Measure a New GNSS position.

Select Arrow to the right.



You will now see the Local Point Number, Coordinates, and Elevation displayed.

Select the Arrow to the right.



You will now be prompted for the Vertical System.

In this example I have chosen to remain on Geoid2018US.

Select Accept.

At the End of this Chapter I have included the Job Report that will have your Combined Scale factor information for reference.

# Measurements report

## Job information

**Job annotation:** Westford Lane  
**Job name:** MULTIPLE ROVERS TO  
**Created:** 08-01-2023 11:30:26 AM  
**Creator:**

## Coordinate system information

**Name:** FL83 - East  
**Transformation type:** Cartographic

Parameters	Datum	Ellipsoid
<b>Projection:</b> TM	<b>Name:</b> NAD83	<b>Name:</b> GRS80
<b>Lat. origin:</b> N 24°20'00.0000"	<b>Type:</b> Molodensky	<b>Major semiaxis:</b> 20925604.474250ft
<b>Long. origin:</b> W 81°00'00.0000"	<b>Shift. X:</b> 0.000000ft	<b>Inv.flattening:</b> 298.25722210
<b>False East:</b> 656166.667ft	<b>Shift. Y:</b> 0.000000ft	
<b>False North:</b> 0.000ft	<b>Shift. Z:</b> 0.000000ft	
<b>Scale:</b> 0.999941	<b>Rotation about X:</b> 0.00000000	
	<b>Rotation about Y:</b> 0.00000000	
	<b>Rotation about Z:</b> 0.00000000	
	<b>Scale:</b> 0.00000000	

**System type:** Single point

WGS84	Local grid
<b>Point name:</b> 1	<b>Point name:</b> 1
<b>Latitude:</b> N 29°31'58.9223"	<b>E:</b> 579290.668ft
<b>Longitude:</b> W 81°14'30.2705"	<b>N:</b> 1890194.764ft
<b>Height:</b> -64.195ft	<b>Z:</b> 29.902ft

## Ground to grid scale factor

**Average elevation:** 29.902ft  
**To sea level:** 0.999996927  
**To cartographic plane:** 0.999947949  
**Combined scale:** 0.999951022

## Grid to ground scale factor

**Combined scale:** 1.000048981

**Elevation:** Geoid  
**Geoid:** GEOID2018US