

This is in regards to using SurvCE Version 6.02 or higher to scale your jobsite from Grid to Ground if you are localizing to 1 point in a Local Coordinate system.

Localizing to 1 point with Assumed Coordinates then scaling to Ground

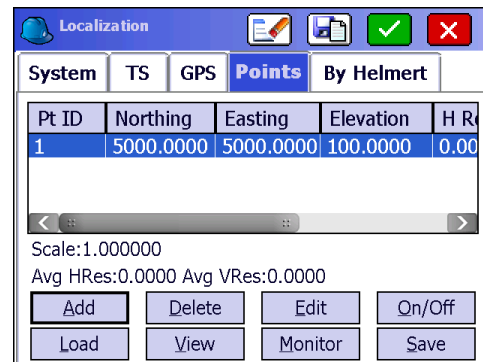
- 1) Run Equip / GPS Rover and get a "Fixed" solution with your GPS Rover
- 2) Go into Equip / Localization and set your System tab to the correct USA Nad83 projection
- 3) Tap the Points tab

4) **Occupy a known point** with your GPS Rover and tap the "Add" button then type in the point number from your CRD coordinate file you are occupying {or select it from the List or Map}

5) Tap the Green Check then tap the Green Check again to use the "Read GPS" option

6) Plumb up over the point and tap the Green Check again in the upper right to take 10 or 20 readings

7) Tap Green Check to accept the results



Pt ID	Northing	Easting	Elevation	H Res
1	5000.0000	5000.0000	100.0000	0.00

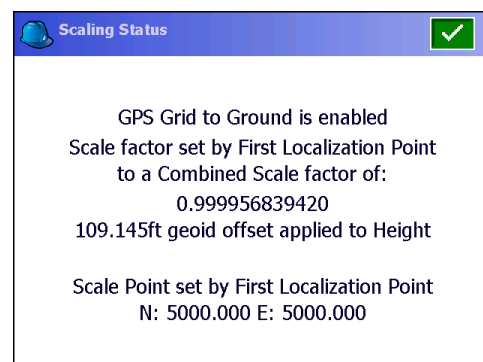
Scale: 1.000000
Avg HRes: 0.0000 Avg VRes: 0.0000

Add Delete Edit On/Off
Load View Monitor Save

8) Tap the GPS Tab then tap the Green Check to save your Localization File. (Tap "no" if prompted to reprocess)

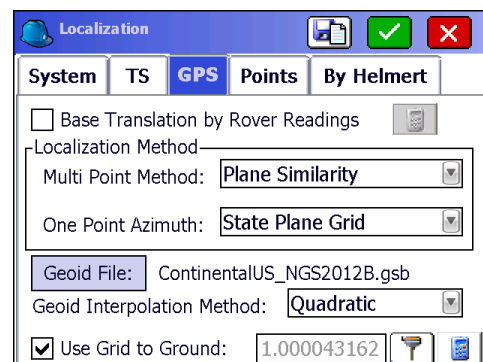
9) Check the box for "Use Grid to Ground" and the Scaling Status dialogue will be displayed

10) Tap the Green Check to accept the GPS Grid to Ground Information



GPS Grid to Ground is enabled
Scale factor set by First Localization Point
to a Combined Scale factor of:
0.999956839420
109.145ft geoid offset applied to Height
Scale Point set by First Localization Point
N: 5000.000 E: 5000.000

11) Then tap the Green Check again in the top right to Apply these changes to your Job and return to the Equip tab in the Main Menu. (Tap "no" if prompted to reprocess)



Base Translation by Rover Readings ☐

Localization Method
Multi Point Method: Plane Similarity
One Point Azimuth: State Plane Grid

Geoid File: ContinentalUS_NGS2012B.gsb
Geoid Interpolation Method: Quadratic

☒ Use Grid to Ground: 1.000043162