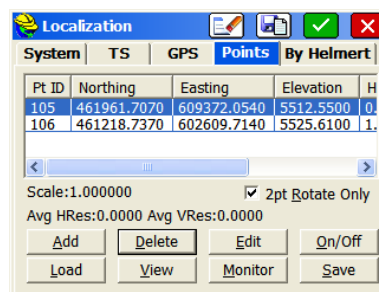


This is in regards to using SurvCE Version 3.03 or higher with a “2 point Rotate Only” method scaled to Ground

Localizing using 2 Point Rotate Only 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

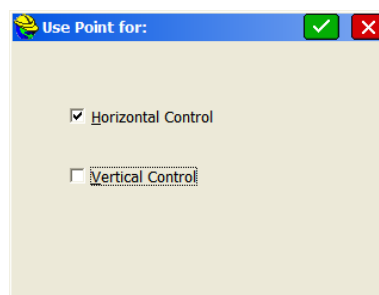


Pt ID	Northing	Easting	Elevation	H
105	461961.7070	609372.0540	5512.5500	0.
106	461218.7370	602609.7140	5525.6100	1.

Scale: 1.000000 ☒ 2pt Rotate Only
Avg HRes: 0.0000 Avg VRes: 0.0000

Add Delete Edit On/Off
Load View Monitor Save


- 8) Now walk to your **2nd known point** that you have coordinates for and repeat Steps 4 through 7 to add in this second point
- 9) After adding in both points to the Points tab tap next to the “**2pt Rotate Only**” checkbox to CHECK the box
- 10) Now tap the 2nd point in the list to highlight it and tap the “On/Off” button in the bottom right and **UNCHECK the box** next to Vertical control then tap the Green Check to save your changes

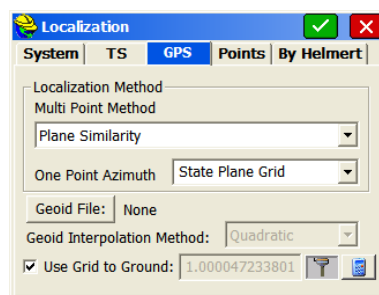


Use Point for:

☒ Horizontal Control

☐ Vertical Control

- 11) Tap the **GPS Tab** then tap the Green Check to save your Localization File.
- 12) Check the box for “**Use Grid to Ground**” then tap the  icon in the bottom right to “Read GPS” and calculate your combined Grid to Ground Scale factor




Localization Method
Multi Point Method
Plane Similarity

One Point Azimuth State Plane Grid

Geoid File: None

Geoid Interpolation Method: Quadratic

☒ Use Grid to Ground: 1.000047233801 

- 13) Tap the Green Check to accept the GPS Grid to Ground Information
- 14) 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.