

**On the 1<sup>st</sup> day setup:**

- 1) Setup your **GPS Base over a pin** that you've hammered into the ground. It should be in the open with a good view of the sky. Please Note: it does not need to be a control point with known coordinates
- 2) Measure the Slant Height of your Base from the pin in the dirt to the Slant mark on the GPS antenna
- 3) Run Equip / GPS Base and in the Receiver tab type in your Slant Height then tap the Green Check
- 4) Tap the **%Read from GPS+** button and take 20 sample readings.
- 5) Tap **%YES+** when your prompted to Continue with Base Setup. Tap **%YES+** again when your prompted to **%Save settings to file+** and then tap the Green Check to create a \*.REF base reference file
- 7) Now you can run Equip / **GPS Rover** and go FIXED at your Rover
- 8) Occupy a known control point with your Rover then go into the Equip / Localization / Points tab
- 9) Tap the **%Add+** button and select the control point coordinates you want to use then use the **%Read GPS+** option to take 20 samples.
- 10) Repeat Step #9 for each of your control points
- 11) After adding in 3 to 6 control points tap the Green Check in the upper right to save your \*.LOC localization file
- 11) Stakeout your Control Point coordinates to check that they match correctly
- 12) Go into Survey / Store Points and **store a shot to a hub** or magnail or paint dot with your Fixed Rover that is easy to get to such as 20 or 30 foot from your GPS Base or anywhere that is quick and easy to get to on the job and has a good view of the sky

**On the 2<sup>nd</sup> day setup (or any other time you return to this project):**

- 1) Setup your **GPS Base over the same pin** you used on Day 1
- 2) Measure the slant height of your Base from the pin in the dirt to the Slant mark on the GPS antenna
- 3) Run Equip / GPS Base and in the Receiver tab type in your Slant Height then tap Green Check
- 4) Tap the **%From Known Position+** tab
- 5) Tap the **%Read from File+** button and select the \*.REF base reference file from Day 1
- 6) Tap the Green Check then tap YES to continue with Base Setup
- 7) Run Equip / GPS Rover and get a Fixed position at your Rover then go into Survey / Stakeout Points and **stakeout to the Hub** we stored on Day 1 to make sure its within tolerance

This gives you a \*.REF base file and a \*.LOC localization file that you can continue to use on this project. You do not have to re-localize when you return to this project in the future.