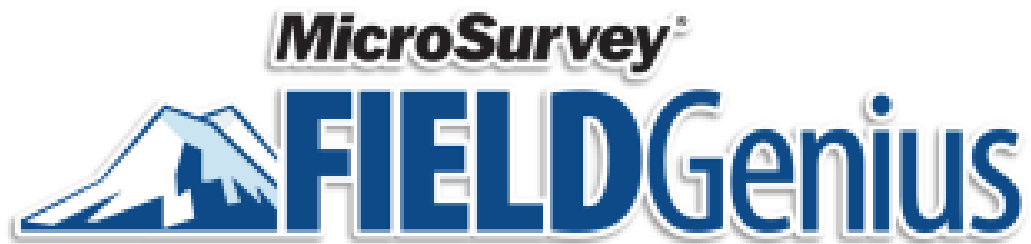




MicroSurvey FieldGenius

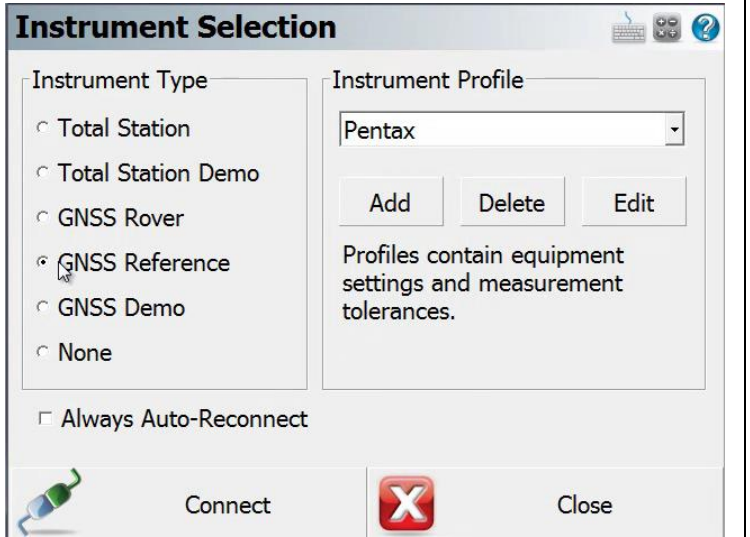
Averaged Geodetic Position Day 1



Use this technique if you:

- Are at the worksite for the first time
- Have no known position for calibration
- Need to store points referenced to grid
- Note: you will need to apply a scale factor if using EDM or ground measurements in the same project

1. Pick your pre-configured reference profile and then pick "Connect"



Instrument Selection

Instrument Type

- Total Station
- Total Station Demo
- GNSS Rover
- GNSS Reference
- GNSS Demo
- None

Instrument Profile

Pentax

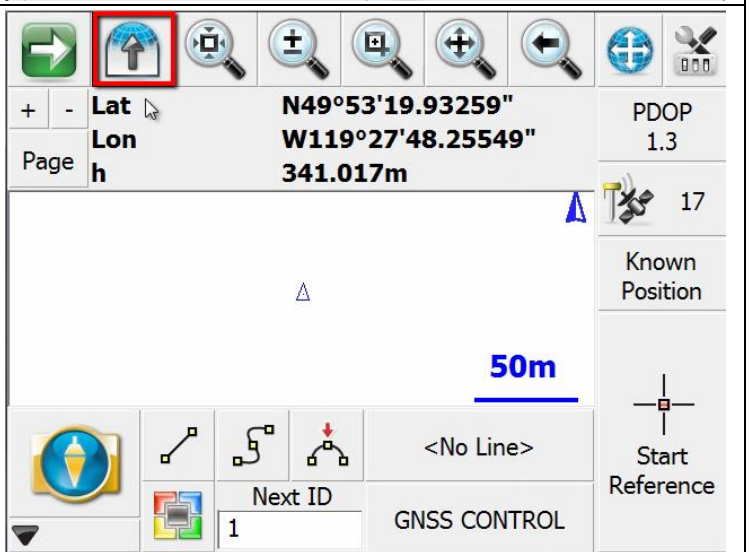
Add Delete Edit

Profiles contain equipment settings and measurement tolerances.

Always Auto-Reconnect

Connect Close

2. Confirm you are receiving a position by picking on the observation toolbar.



Observation toolbar icons: Home, Observation (highlighted), Zoom In, Zoom Out, Pan, Rotate, etc.

Lat N49°53'19.93259"

Lon W119°27'48.25549"

h 341.017m

PDOP 1.3

Known Position

Start Reference

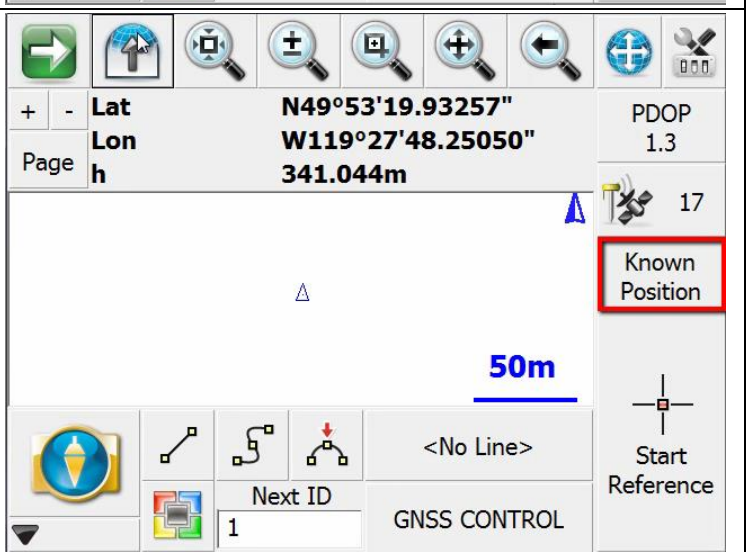
Next ID 1

GNSS CONTROL

<No Line>

50m

3. Pick on the GPS Mode Button (which always displays your current GPS mode)



Observation toolbar icons: Home, Observation (highlighted), Zoom In, Zoom Out, Pan, Rotate, etc.

Lat N49°53'19.93257"

Lon W119°27'48.25050"

h 341.044m

PDOP 1.3

Known Position (highlighted)

Start Reference

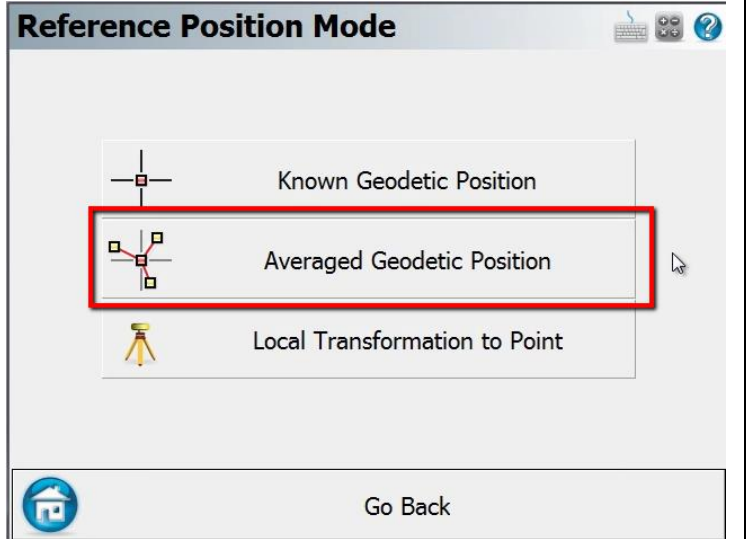
Next ID 1

GNSS CONTROL

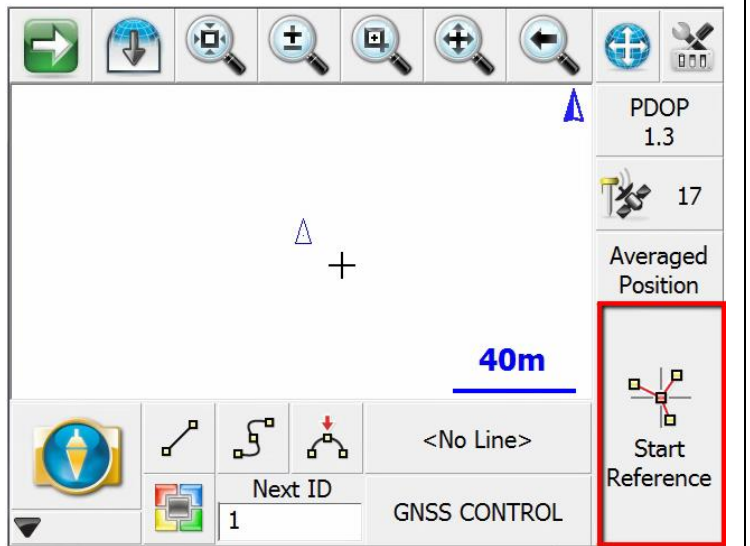
<No Line>

50m

4. Pick on the “Averaged Geodetic Position”

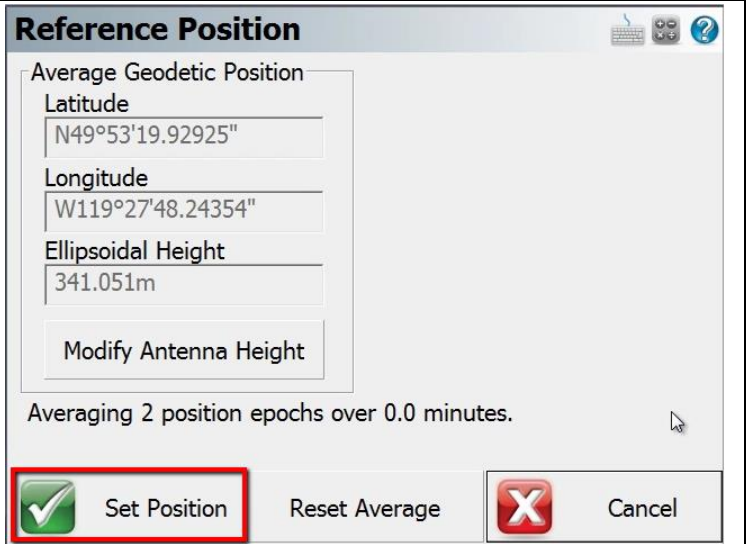


5. Then pick on “Start Reference”



6. After you are happy with the position you can then pick on “Set Position”

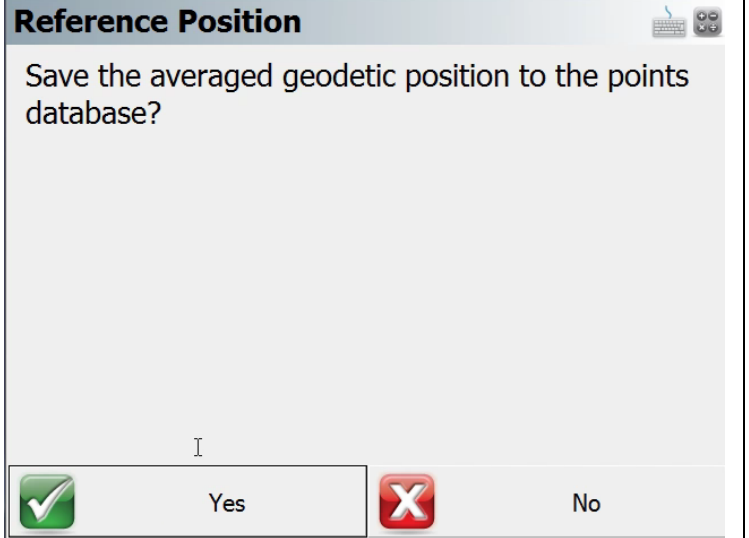
You also might want to verify your antenna height at this point.



7. If you plan on returning to this job site again press “Yes” to store the point in the database.

Suggestions:

Give it the description GNSS CONTROL.



Reference Position

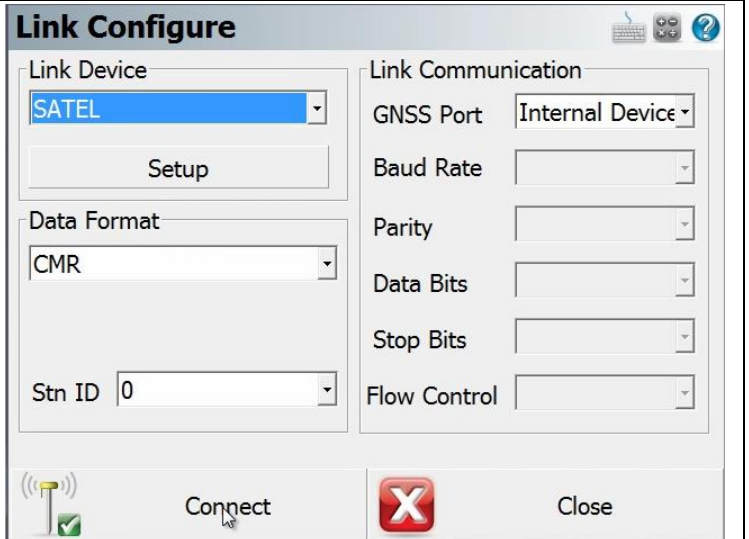
Save the averaged geodetic position to the points database?

I

Yes No

8. Check your radio settings and press connect.

Check your base to ensure it is transmitting an RTK link



Link Configure

Link Device: SATEL

Setup

Data Format: CMR

Stn ID: 0

Link Communication

GNSS Port: Internal Device

Baud Rate: []

Parity: []

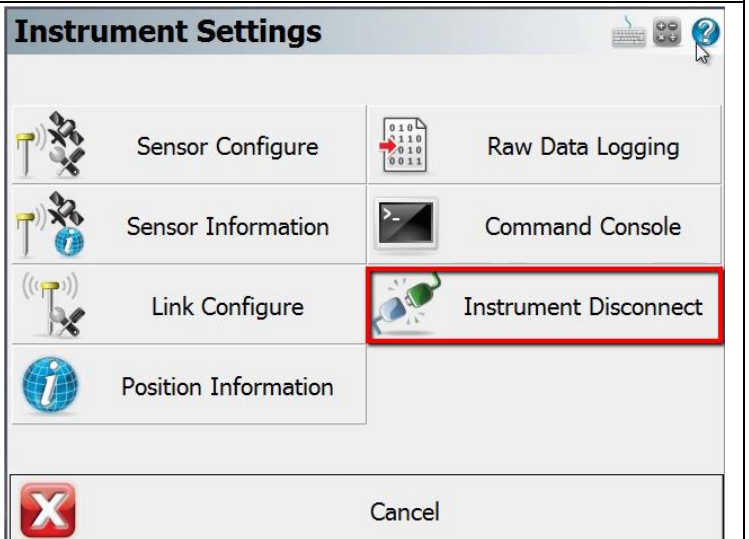
Data Bits: []

Stop Bits: []

Flow Control: []

Connect Close

9. Disconnect from the base



Instrument Settings

Sensor Configure

Sensor Information

Link Configure

Position Information

Raw Data Logging

Command Console

Instrument Disconnect

Cancel

