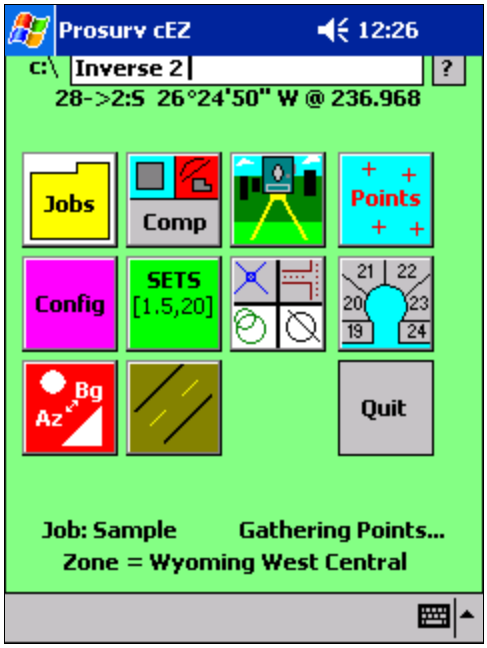
cEZ Command Line



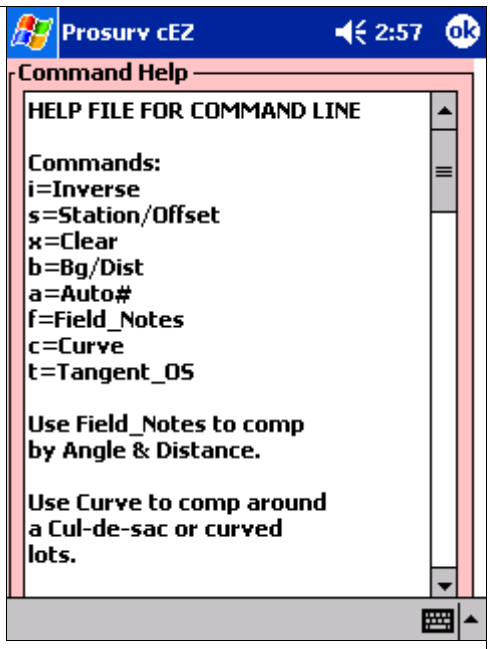
The Command Line offers seven useful functions:

- Inverse between two points
- Compute the station/offset of a point from a line
- Compute New Points by Bearings and Distances
- Compute New Points by Field Note Reduction (Angle & Distance)
- Compute New Points Around a Curve such as a cul-de-sac
- Compute Points that are Offset from a given Tangent
- Re-set the Auto #

Refer to the **Config** chapter for setting configurations that are specific to the Command Line routines.

Tap the **?** button to view the Command Line Help file.

The Help file gives information about each routine as well as the proper Syntax for entering data.



Inverse Points

Tap the Command Line text box to begin. The popup keyboard will appear. Tap the I key and the word **Inverse** appears in the text box with a space after it. Now just enter the two points you need to inverse, separated with a space.

Syntax is:

Inverse 1 2

Press **Return** in the popup keyboard to compute the Inverse.

Station / Offset

This command line function computes the Station and Offset of a given point, based on a line. To find the Station and Offset of a point for the first time, just enter an **s**. The words **Sta/Off** will appear followed by a space.

Now, type in the "From" point, "To" point, and point to offset, separated by spaces such as: **Sta/Off 31 49 262**. Prosurv cEZ will compute and display the station and offset of point number 262. Subsequent points can be computed just by entering the one point number.

Sta/Off 1 2 3 (1->2/3)
Sta/Off 1 2 (Define Line)
Sta/Off 3 (Comp 3)

Bearing/Distance Point Computation

Quickly and easily compute points around a plat by using the Bearing/ Distance Command Line routine. Prosurv cEZ moves up to the computed point as you go, if selected in the Command Line Config.

Syntax for this command is:

- **Bg/Dist From# Az_or_Bg Dist**
- **Bg/Dist From#**
- **Bg/Dist Az_or_Bg**
- **Bg/Dist Dist**
- After Dist, you can enter c,u,i,m for the distance units, which are converted to your job's units.
- c=chains
- u=us foot
- i=int'l foot
- m=meters
- Also add or subtract angles
- A valid comp is:
  - **Bg/Dist 129 nw15.1020+90.0000 79.95c**

Field Note Reduction (Angle & Distance)

- **Field_Notes Backs Instr H.Angle H.Dist**
- **Field_Notes Backs Instr I.Height H.Angle V.Angle SlopeD [Tgt]**
- After initial entry:
  - **Field_Notes H.Angle Dist**
  - **Field_Notes H.Angle V.Angle SlopeD**
  - **Field_Notes H.Angle V.Angle SlopeD Tgt**

Curve Computation (cul-de-sac)

- Computes ALONG a curve (no offsets)
- **Curve RP# From# +/-Distance**
- where RP# is Radius point #,
- From # is starting point on curve,
- Positive distance curves right, negative distance curves left (of 'from' point).
- After initial setup, just enter +/-Distance (moves up to last point each time).

Tangent Offset Point Computation

Computes points offset from a given line at 90 degrees.
Syntax is:
Tangent_OS From# To# Station Offset [From_Station]

After setup, you can just enter the offset only, or station and offset:
Tangent_OS Offset
Tangent_OS Station Offset
Note that you can assign a station to the 'From' point so it's easier to match your plans. This routine can calc in 3D by checking the box in Command Config.

Reset Auto #

Auto# 8000

Clear All Commands

x