About SGS Prime COGO

https://sgss.ca/hpprime.html

Product Summary

SGS Prime COGO is a Land Surveying app made for the HP Prime Graphing calculator; featuring all the common calculation capabilities expected from a Survey app, as well as many more advanced capabilities not commonly found on a calculator app. The HP Prime features a full-color touch-enabled display allowing for a rich user experience never before seen on a calculator, while the exceptional speed of the calculator makes extremely quick work of even the most complex calculations. **SGS Prime COGO** includes multi-lingual support and is available in three versions: Lite, Standard or Professional.

Features Overview

Lite Version

The Lite version includes all the common calculations, including:

- COGO, intersections, inverse calculations, area calculations
- Coordinate adjustments: Rotate/Mirror/Shift/Average/Scale
- Triangle Solver, Horizontal Curve Solver, Vertical Curve Solver
- Data management tools, Plot Points graphically

Standard Version

Includes everything in the Lite version, and:

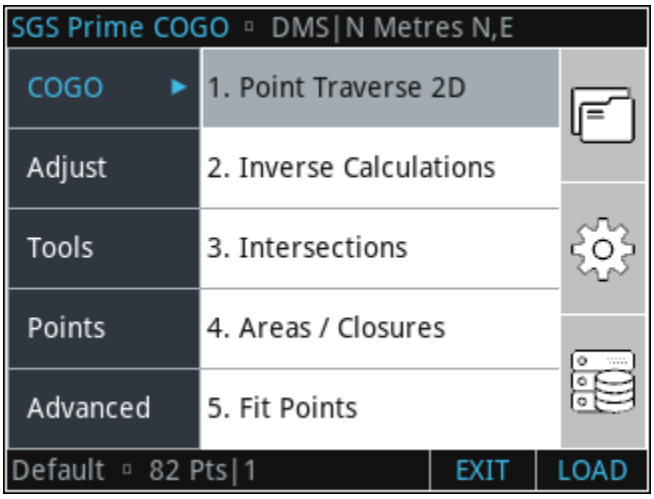
- Area subdivisions, Lot Closure calculations and reporting, best-fit points to line or curve
- Least squares similarity coordinate transformations
- Spiral curve solver
- Import and export ASCII point data, export DXF points

Professional Version

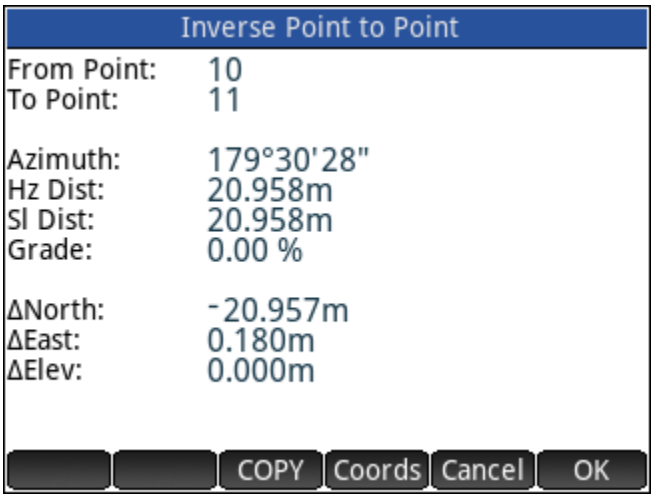
Includes everything in the Standard version, and:

- Complete 3D Road Alignments editor with advanced calculations capabilities, automated coordinate calculations, LandXML export and more
- Leveling utility to manage and edit Level observation data, perform calculations and create reports
- More features coming soon!

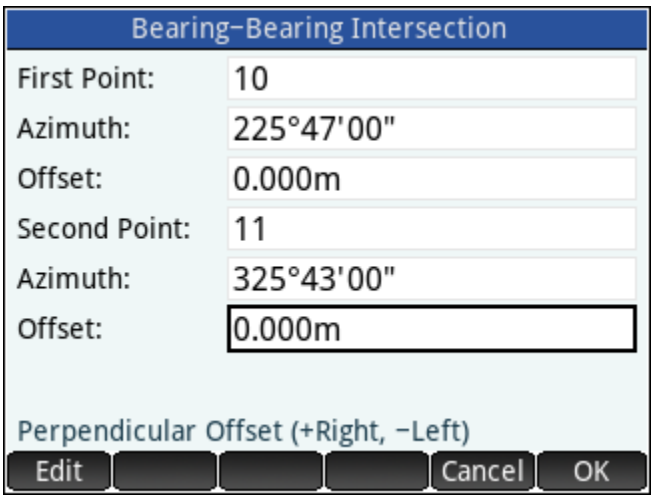
Screen Captures



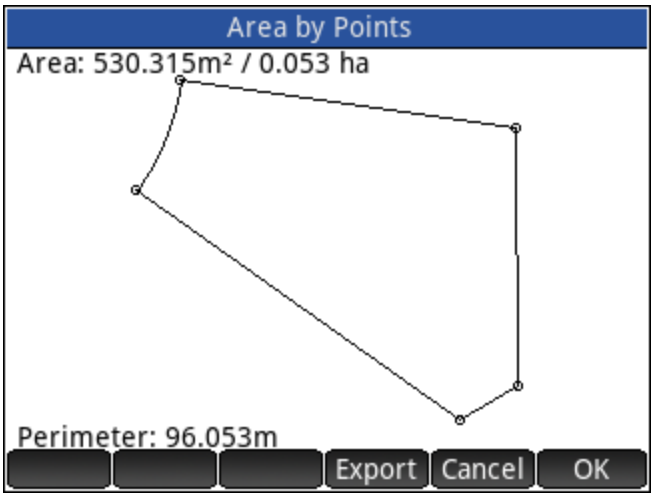
Main Menu



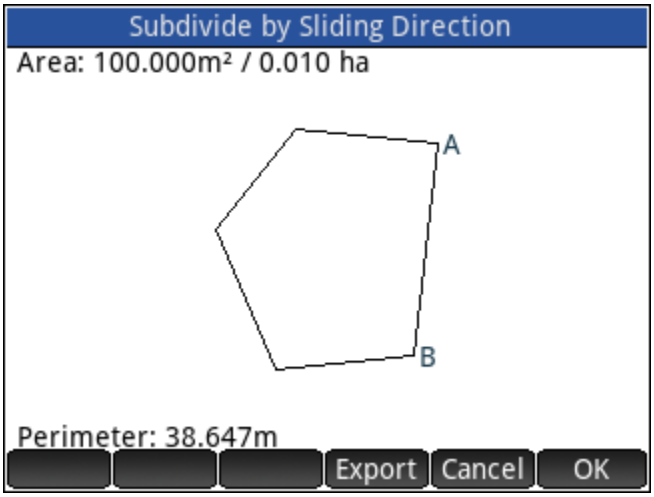
Inverse Points Results



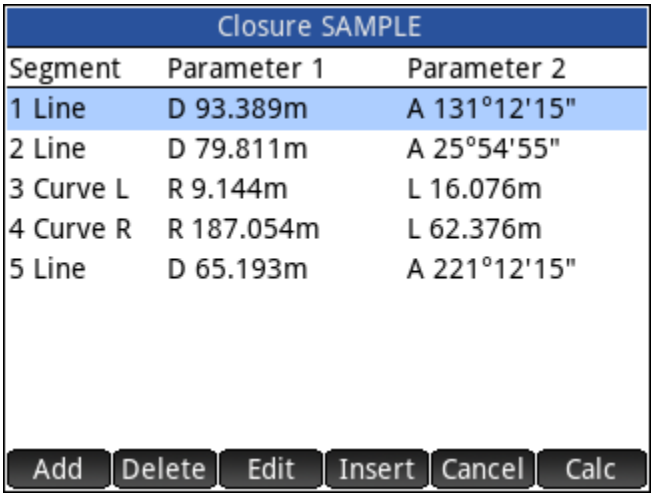
Intersections Input



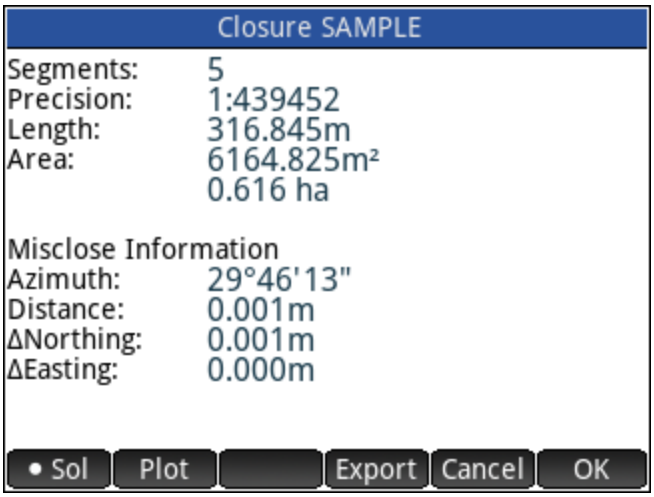
Area Calculation Result



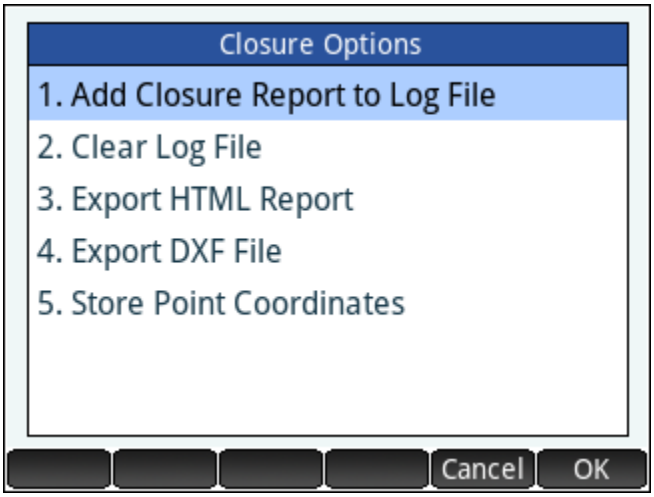
Area Subdivision Result



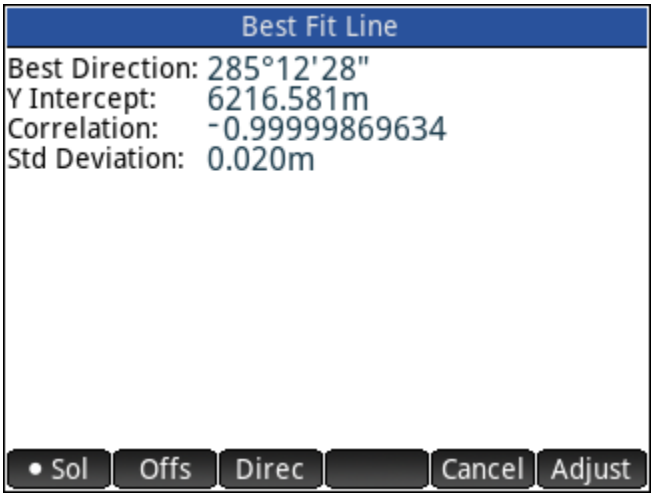
Lot Closures



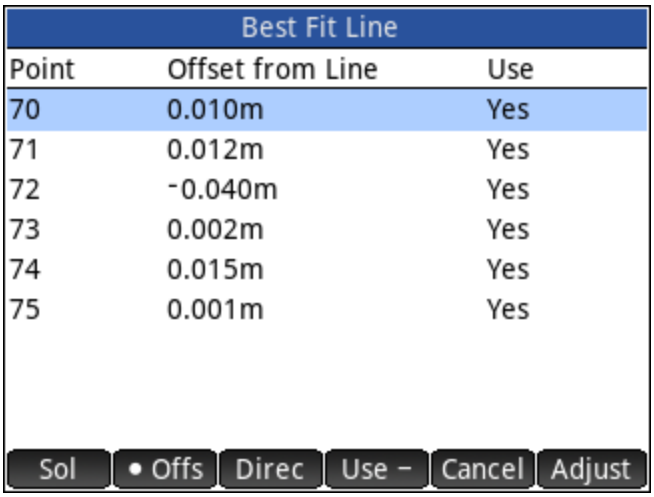
Closure Calculation Result



Closure Options



Best Fit Line



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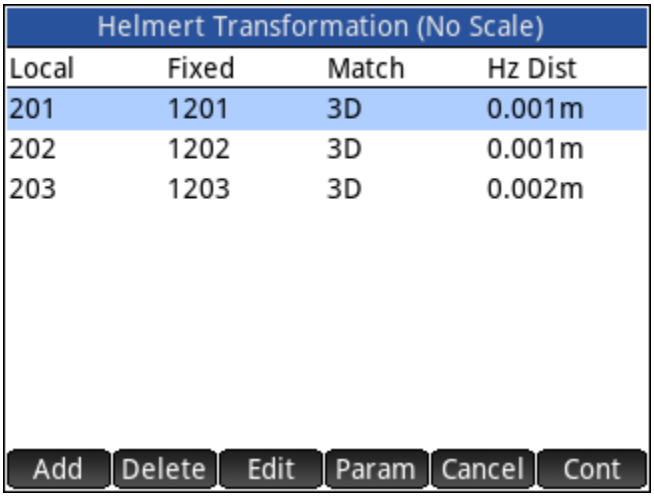
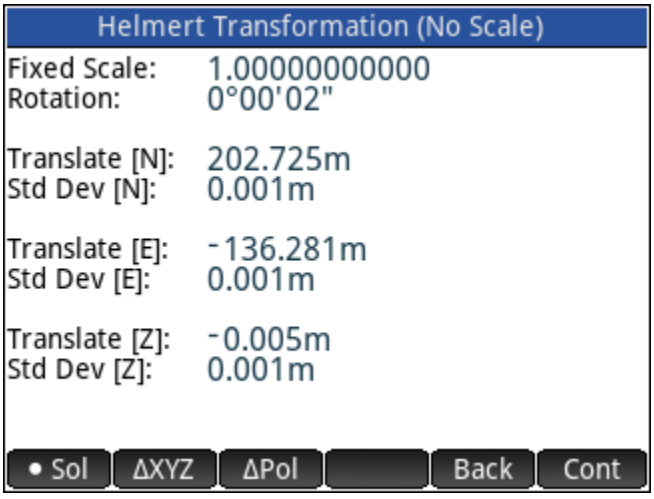


Coordinate Transformations



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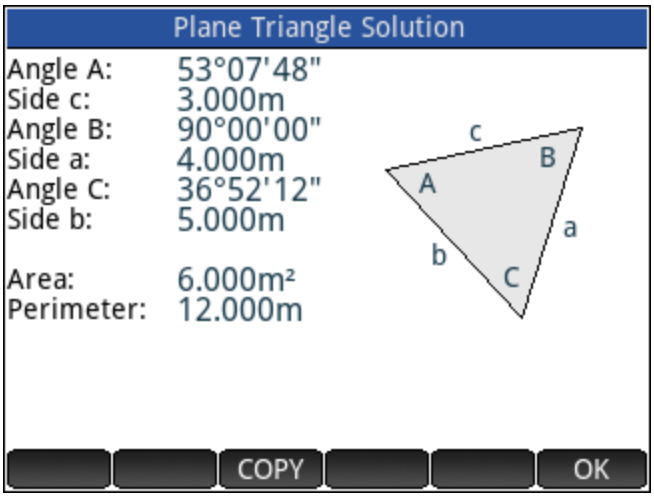
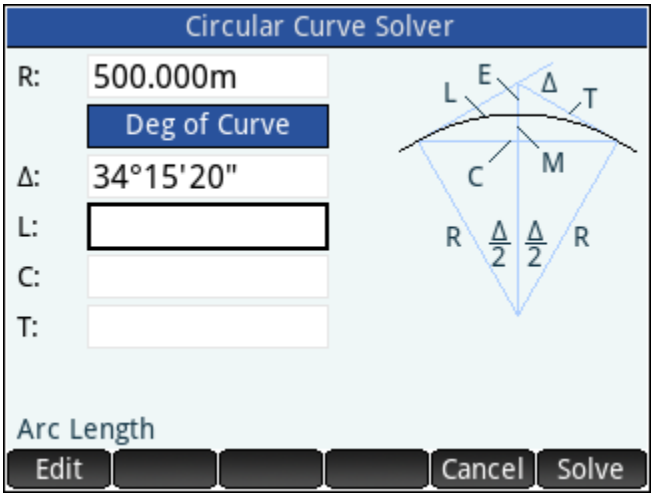
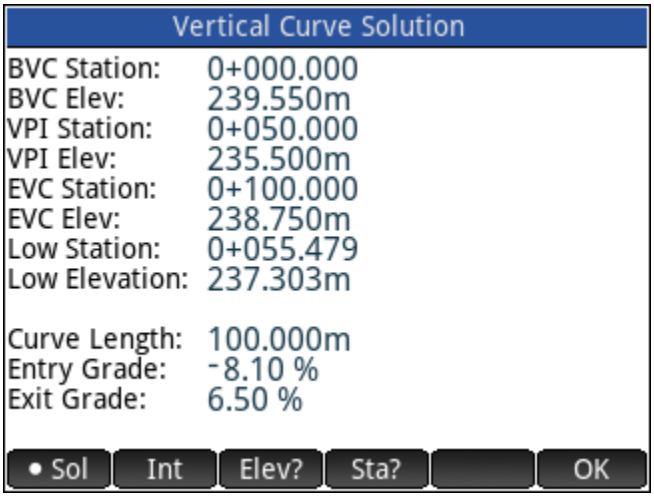


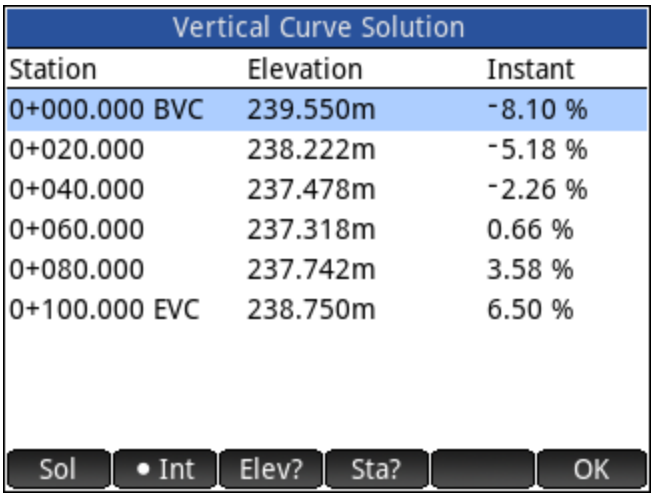
Triangle Solver



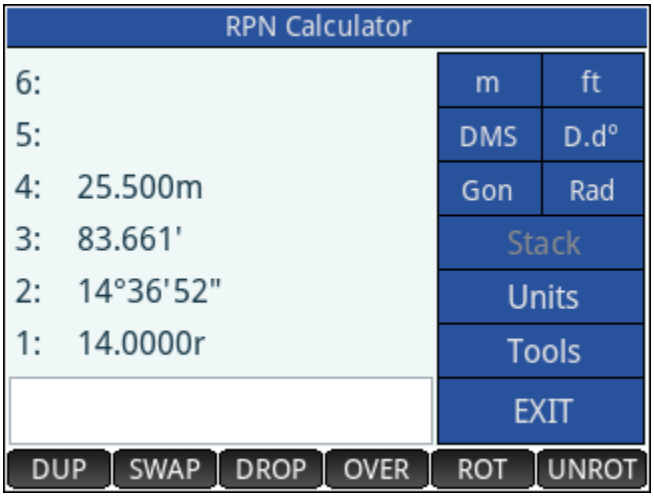
Horizontal Curve Solver



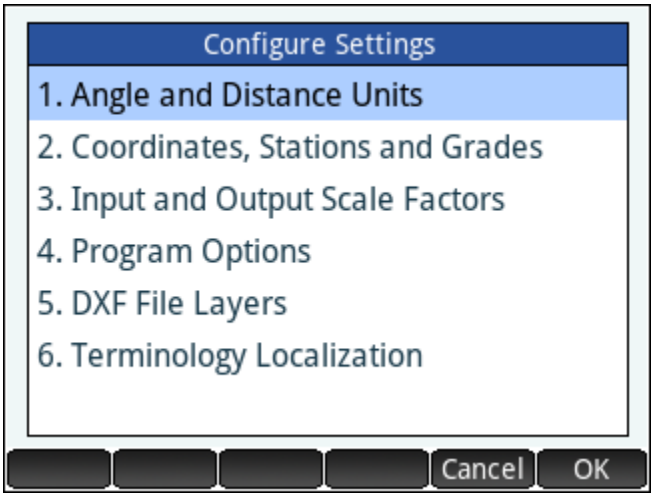
Vertical Curve Solution



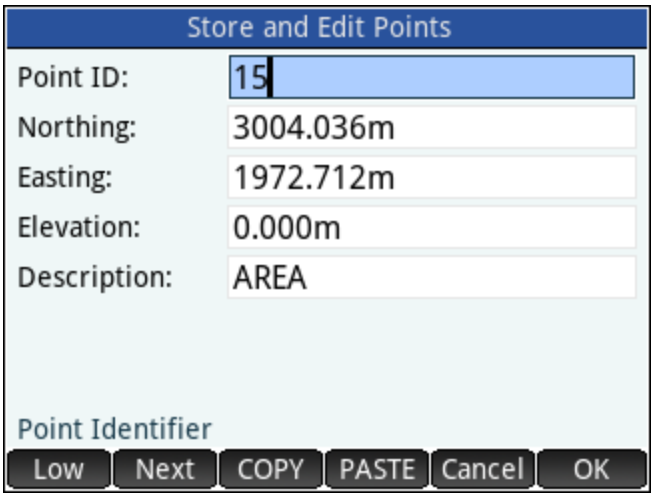
Vertical Curve Intervals



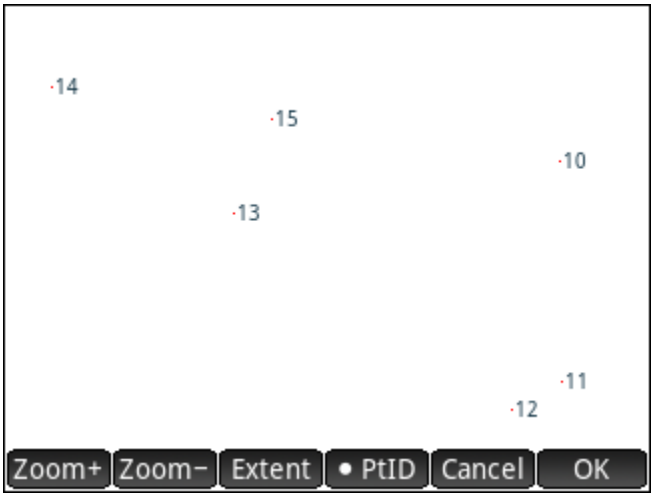
RPN Calculator



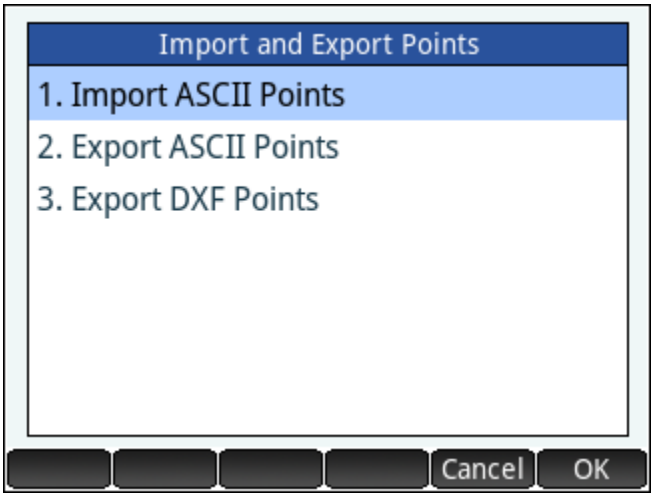
User Settings



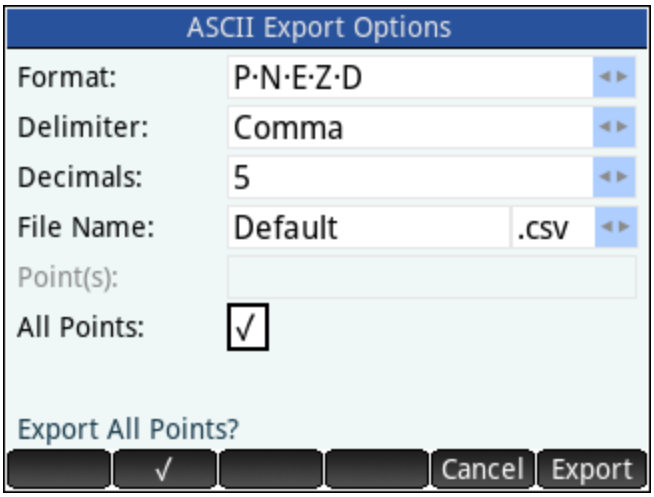
Store and Edit Points



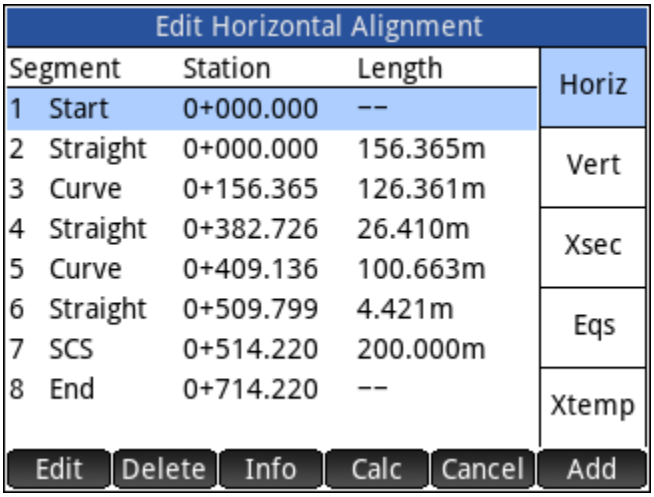
Plot Points



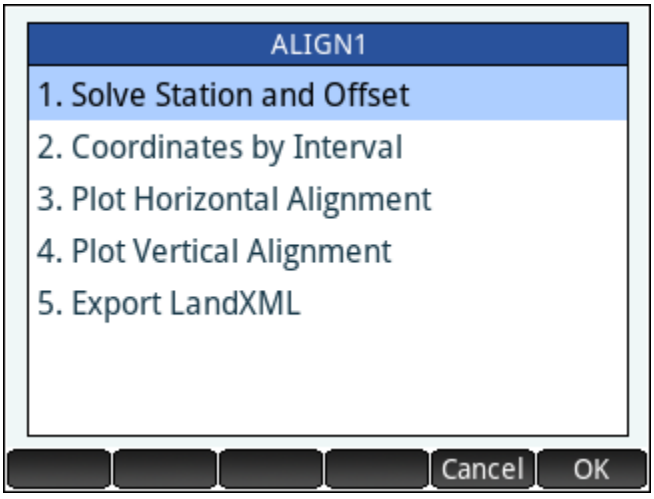
Import/Export Points



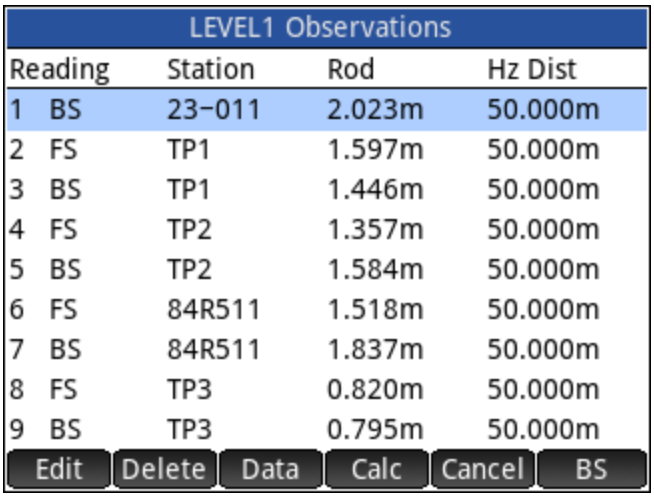
Export Points



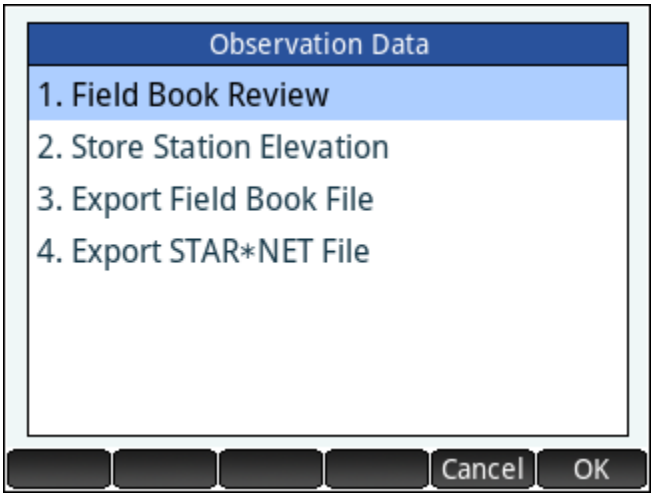
Alignment Editor



Alignment Options



Leveling Observations



Level Data Options