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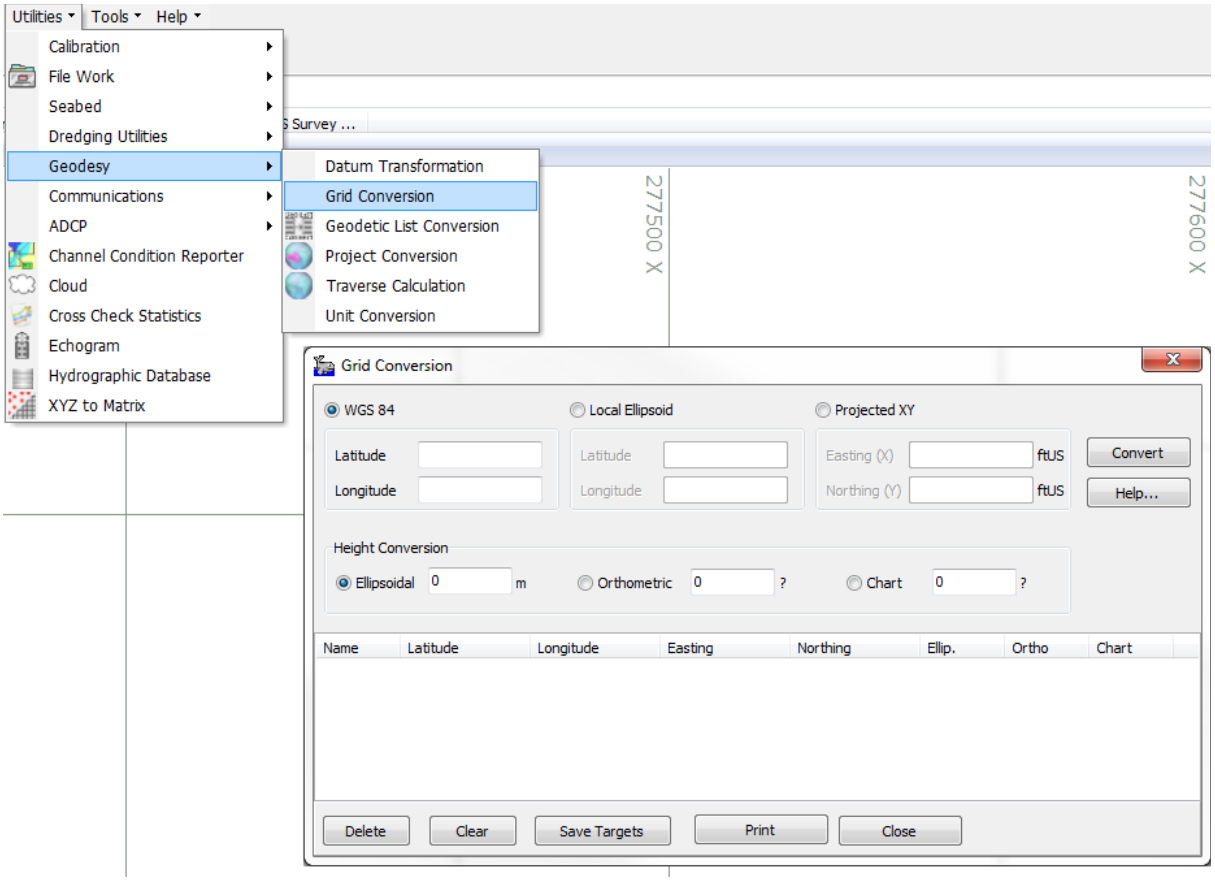
Grid Conversion Update

By John Lindbergh

HYPACK recently updated the Grid Conversion program to allow more flexibility. As most users know, the Grid Conversion allows you to convert between WGS84 latitude/longitude and the XY grid specified in the GEODETIC PARAMETERS program. Whereas the Grid Conversion program was a standalone executable (geoconv.exe), it is now built into the HYPACK Shell.

You can access the GRID CONVERSION program under UTILITIES – GEODESY – GRID CONVERSION.

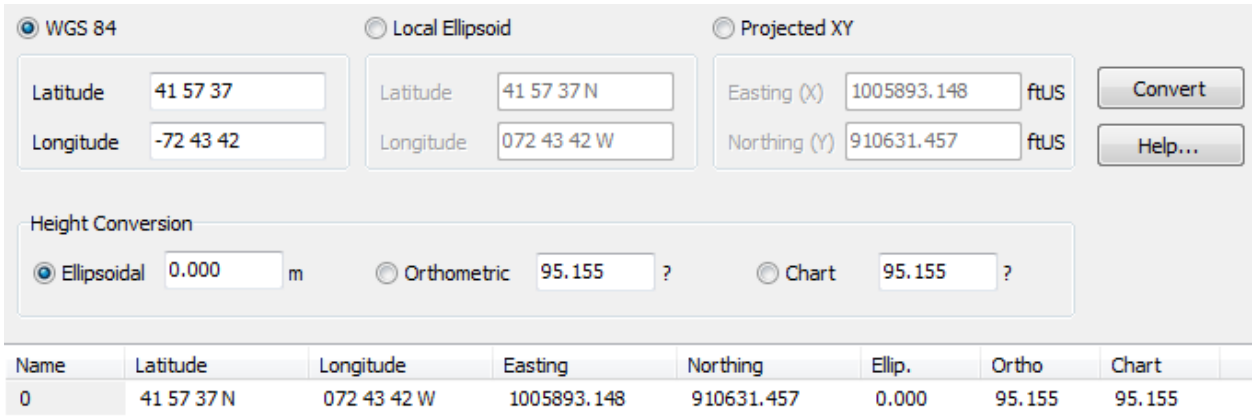
FIGURE 1. *GRID CONVERSION*



One nice feature is that GRID CONVERSION accepts any latitude/longitude convention you can throw at it. If you have any of the RTK options selected in GEODETIC PARAMETERS, the elevation is calculated, too.

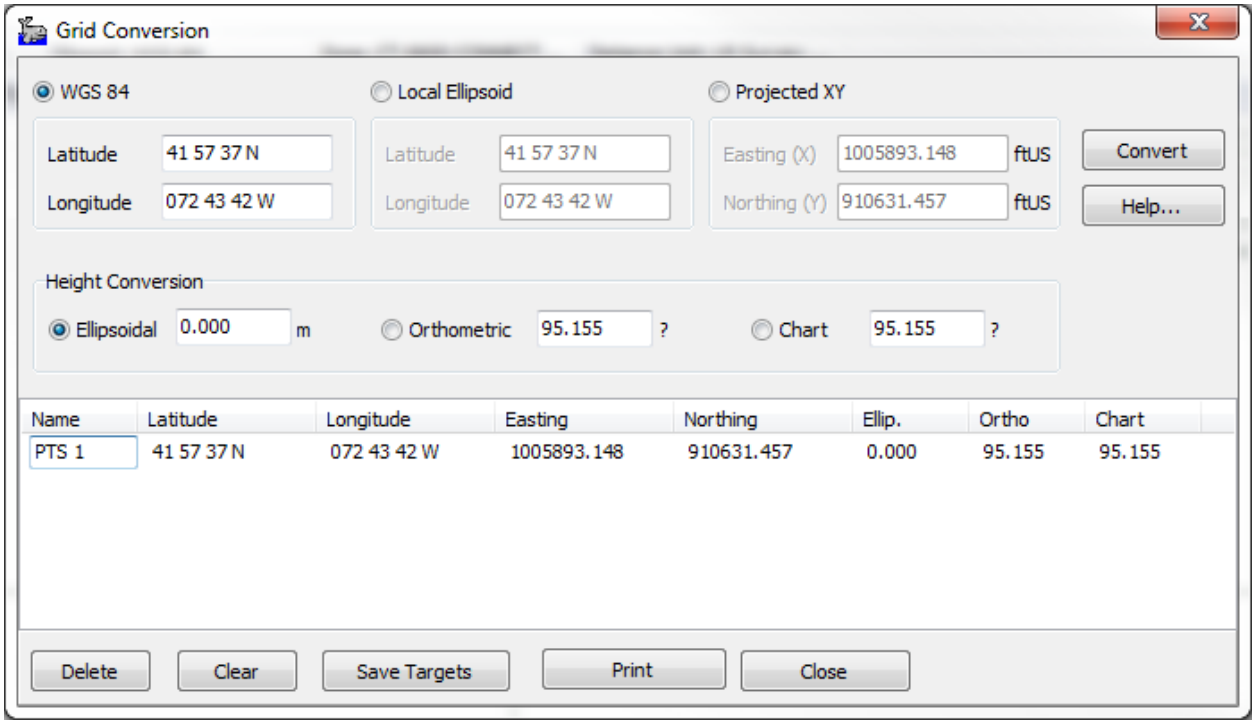
The converted coordinate listing has also been updated to reflect the height conversions as shown here:

FIGURE 2. *Updated GRID CONVERSION Interface*



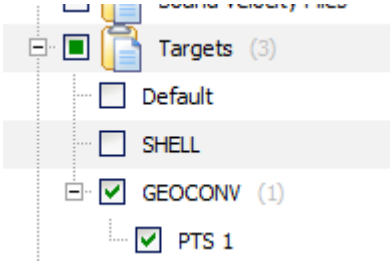
You can rename each point in the list by highlighting the point name, pressing ENTER on your keyboard, and typing in the new name.

FIGURE 3. *Point Renamed*



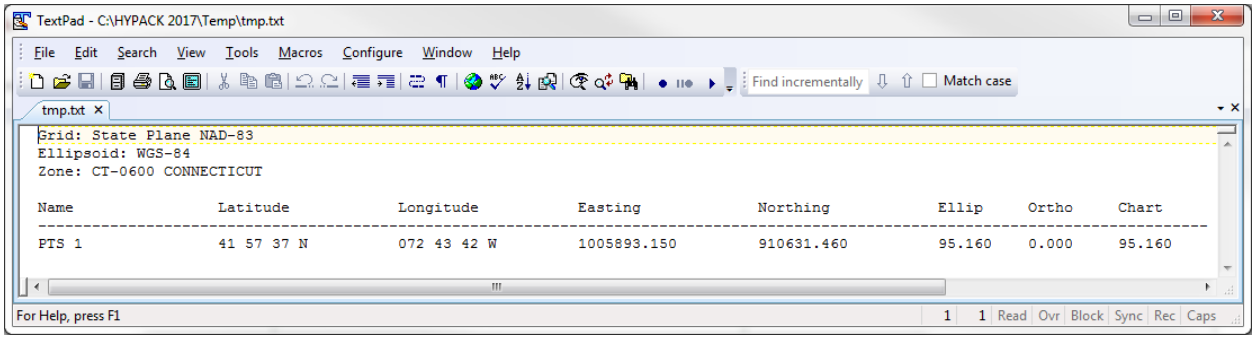
If you click [Save Targets], the point list will be saved to the project target database under a “GEOCONV” group.

FIGURE 4. *Saving Geodetic Conversion Points to the Targets Database*



If you click [Print], the point list opens in a text editor so you can print the list, add the point conversion listing to a report, etc.

FIGURE 5. *GRID CONVERSION Points and Parameters in Text Format*



The updated Shell/Grid Conversion will be able in the next HYPACK® release.