



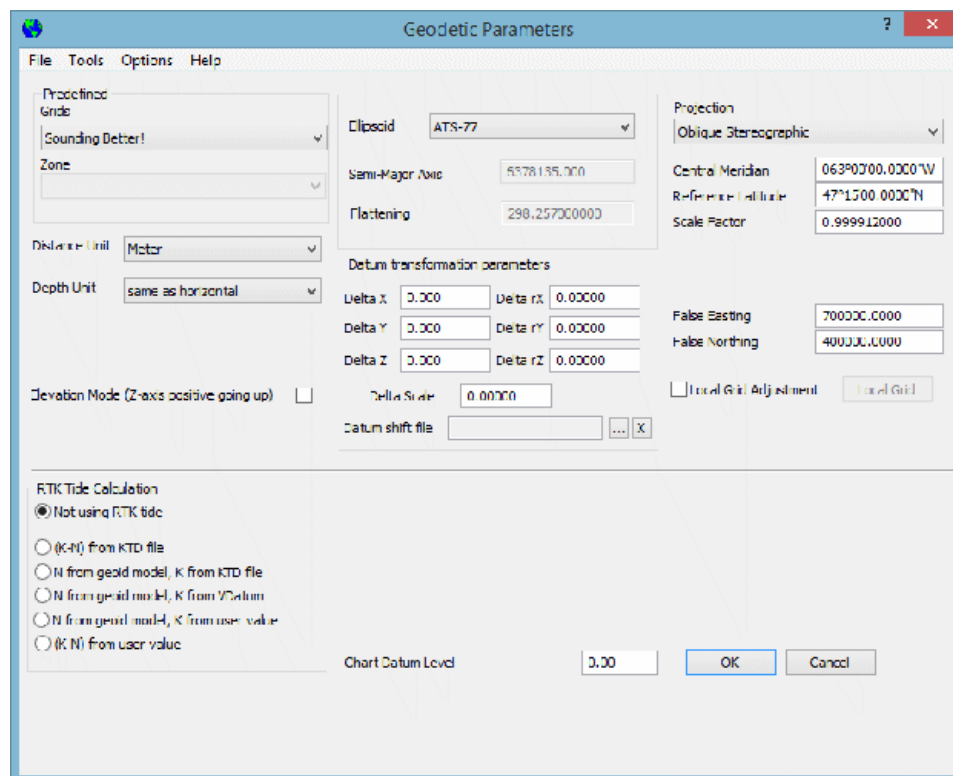
Custom Grids in GEODETIC PARAMETERS

By Joseph Adamski

One of the recent developments I have been working on is the ability to save a custom grid in our GEODETIC PARAMETERS program. Creating your own grid is a simple process.

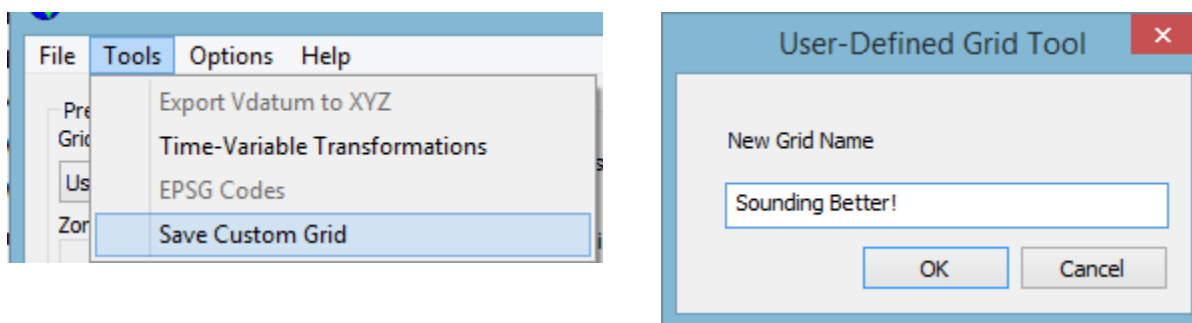
1. Define a custom grid.

FIGURE 1. A User-defined Grid



2. Select **TOOLS-SAVE CUSTOM GRID** and name your grid.

FIGURE 2. Saving Your Grid



3. Click **[OK]**. Your grid is added to the grids list for use in future projects.

FIGURE 3. The New Custom Grid “Sounding Better!”

Geodetic Parameters

File Tools Options Help

Predefined Grids: Sounding Better!

Zone: [Empty]

Distance Unit: Meter

Depth Unit: same as horizontal

Elevation Mode (Z-axis positive going up) ☐

RTK Tide Calculation: ☒ Not using RTK tide

☐ (K-N) from KTD file

☐ N from geoid model, K from KTD file

☐ N from geoid model, K from VDatum

☐ N from geoid model, K from user value

☐ (K-N) from user value

Chart Datum Level: 0.00

OK Cancel

Ellipsoid: ATS-77

Semi-Major Axis: 6378135.000

Flattening: 298.257000000

Datum transformation parameters

Delta X: 0.000 Delta rX: 0.00000

Delta Y: 0.000 Delta rY: 0.00000

Delta Z: 0.000 Delta rZ: 0.00000

Delta Scale: 0.00000

Datum shift file: [Empty] ... X

Projection: Oblique Stereographic

Central Meridian: 063°00'00.0000°W

Reference Latitude: 47°15'00.0000°N

Scale Factor: 0.999912000

False Easting: 700000.0000

False Northing: 400000.0000

☐ Local Grid Adjustment Local Grid

These custom grids are represented by CGEO files in your \HYPACK 2015\datum folder. If you wish to remove one, simply delete the appropriately named file from that folder.

FIGURE 4. CGEO Files in the Datum Folder

► This PC ► TI10651900F (C:) ► hypack 2015 ► datum

Name	Date modified	Type	Size
Sounding Better!.cgeo	3/13/2015 3:16 PM	CGEO File	1 KB
geopar.db	3/13/2015 2:57 PM	Data Base File	7,172 KB
super cool grid.cgeo	3/9/2015 2:10 PM	CGEO File	1 KB
EGM08CAT.geo	1/30/2015 12:02 PM	GEO File	151 KB
gsigeo20112000.geo	10/10/2014 1:34 PM	GEO File	8,461 KB
brazil10.geo	8/13/2014 11:54 AM	GEO File	1,042 KB
brazil02.geo	7/21/2014 3:06 PM	GEO File	242 KB