

An overview for preparing and testing your full tensor survey data:

- | | <u>INTREPID TOOL</u> |
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| 1. Create a Tensor Grid | |
| <ul style="list-style-type: none">• An estimate of the curvature gradients on a regular grid• De-noise using linear differentials | Grid Pro |
| 2. Creating individual component grids | |
| <ul style="list-style-type: none">• Then create a Tensor Grid from the parts | Grid Operations
Editing-Spreadsheet |
| 3. Created external Component Grids from Tensor Grid | Grid Operations |
| 4. Creating a Difference Grid | Editing-Spreadsheet |
| 5. Visualise Tensor Grids | Visualisation |
| <ul style="list-style-type: none">• Standard colour stretch of Tensor Grid products: Invariants, phase, worms• Red/Green/Blue colour of whole of tensor grid• Zoom and pan support showing dynamic re-sampling of tensor grid• Querying a Tensor Grid and showing original line data | |
| 6. Profile extract from Tensor Grids back to line profiles to confirm the data are honoured ! | Extract-Profile |
| 7. Run Euler de-convolution on Tensor Grids | Interp-Euler |
| <ul style="list-style-type: none">• What are your options? ENU / NED / END | |
| 8. Line stats on Tensors – how to interpret these? | File Manager |
| 9. Level Tensor Profile Data | Leveling Pro |
| <ul style="list-style-type: none">• Heading correction• Loop level• Earth Models• Altitude Connectors• Rotational Errors Analysis – Altitude issues | |
| 10. How to filter tensor profiles | Editing-Profile |
| <ul style="list-style-type: none">• How to show Quaternion / Eigenvalues | |
| 11. How to create a full Tensor Terrain Correction for your original survey profile data | Gravity Pro |
| 12. How to import and create a Tensor data object in your data base | Import/Gravity |
| 13. Integration of Tensor to form a vertical gravity grid (ENU / NED) | Grid Filter |
| 14. Subsection of Tensor Grids to fit an arbitrary polygon | Data Extract |
| 15. Profile Fourier Transforms | Line Filter |

In summary,

Treating tensor data as an object is not just a convenient way to simplify the data handling, but absolutely necessary to get the right answer !

Specialising in Geophysical Processing and Interpretation Systems