



Oasis montaj 2023.2

Update for NAOC Technical Committee 20 December 2023

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Oasis montaj 2023.2

Available as of Dec 18, 2023

- Oasis montaj
- UX-Analyze Extension
 - DAGCAP Validation
- Geosoft Plugins
- Seequent Connector

Download from: https://my.seequent.com/products/oasis-montaj/latest



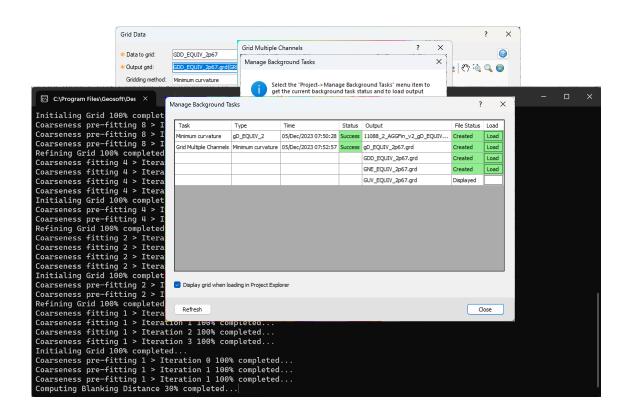
Run Grid Data and Multi-channel Gridding "in the background"

Customer Problems:

- 1. I can't use Oasis montaj when I'm gridding;
- 2. I must wait a long time for large grids, or multi-channel gridding

Solution:

- A new checkbox allows you to "Run in background"
- Once the gridding is launched, you may continue to use OM
- A new Manage Background Task dialog
 - Shows an ordered list of the jobs you've launched
 - Shows the status of the job and the output file(s)
 - Allows you to load the grid into the workspace when complete.





Coordinate Systems & Projections

EPSG

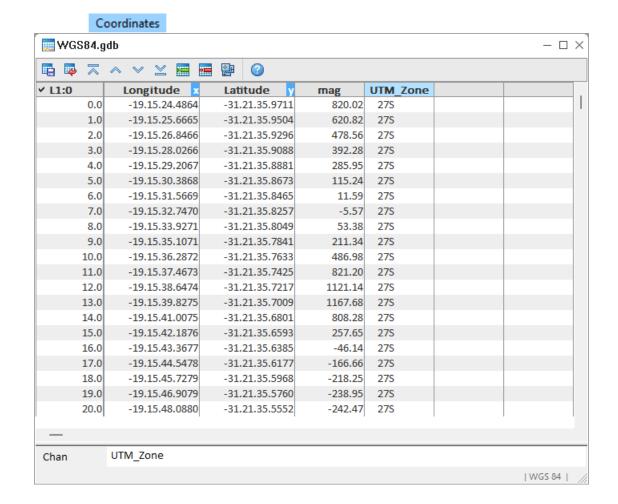
Updated to the most recent EPSG codes

New projection methods

- Mollweide equal area
- Mollweide pseudo-cylindrical

UTM Zone – New Tool

 Determine the UTM zone(s), based on Geographic Coordinates





IGRF Update

IGRF Channel

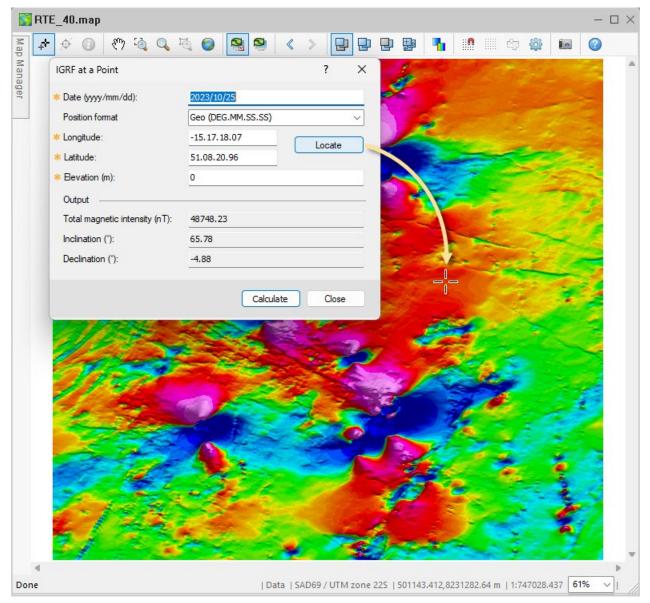
- New interface, parameters reordered in order of contribution
- Automatically sets the secular coefficients to use
- Calculator alignment

IGRF at a point

- New interface
- Point selected on a grid | map

Historical data

 Both non-definitive and definitive constituent models can be still used.





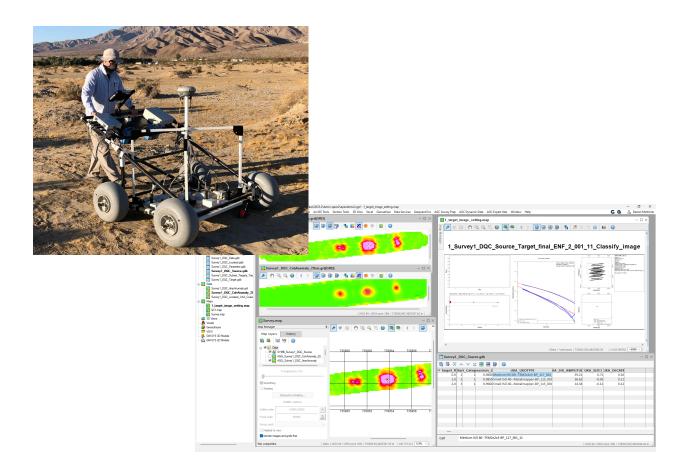
UX-Analyze – Improved Sensor Support

Customer Problems:

Need to support HDF v1 for all DAGCAP approved sensors

Solution

- Support APEX
- Support MPV (AcornSI) data in HDF v1





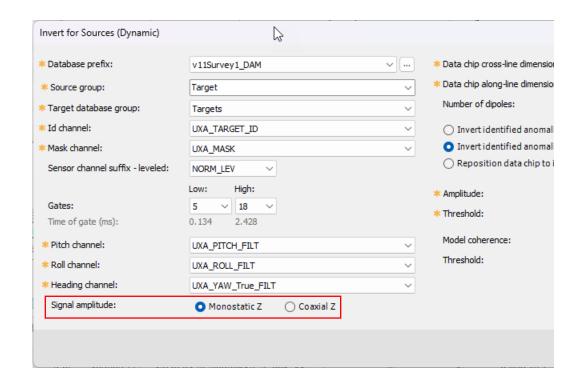
UX-Analyze – Improved Inversion Algorithm

Customer Problems:

- Need to support HDF v1 read all parameters from the data
- Not all sensor have monostatic coil combinations

Solution

- Updated inversion code
- Selection of coils for signal amplitude

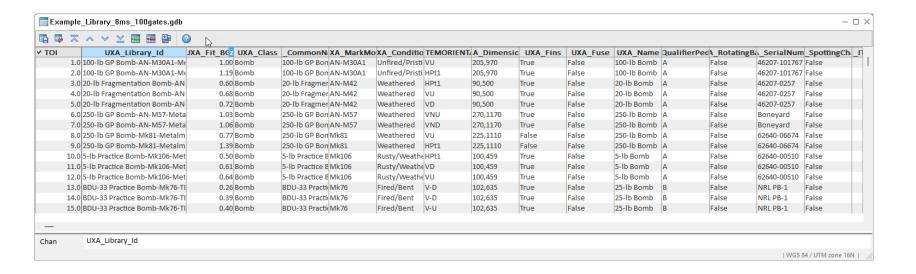




UX-Analyze – Improved Inversion Algorithm

Other changes:

New example libraries



Known Issue

- Performance is slower than previous versions
 - Running from a script using OMS (Command Line) is better than from the GUI



UX-Analyze – Improved Classification Workflow

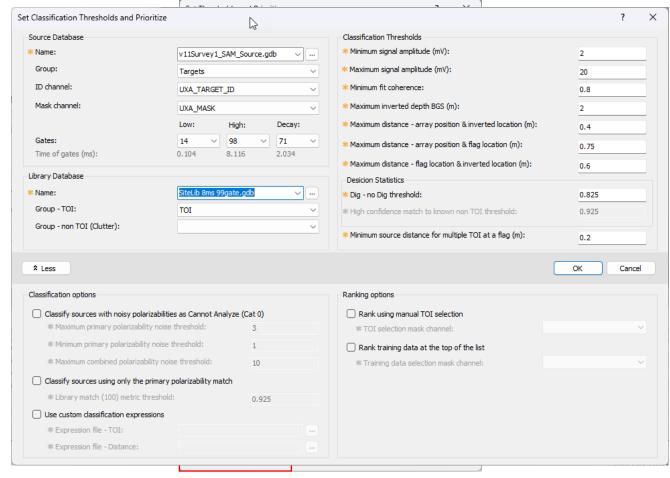
Customer Problems:

- Problem with updates, many copy of scripts and expressions
- Files are everywhere
- "Optional parameters" are hard to use

Solution

- Refactor removing scripts and several expressions
- Improve UI
 - Easy to use settings for all optional parameters
 - Ranking options, use 'mask' channels instead of 'comment codes'

Note: No changes to the "logic"





UX-Analyze – Improved Sensor Support

Supported sensors for v2023.2 (Dec. 2023)

Sensor	Manufacturer	CSV	HDF v0	HDF v1
Metal Mapper	Geometrics	Supported	n/a	n/a
TEM 2x2	NRL	Supported	n/a	n/a
MPV	G&G Geosciences	Supported	n/a	n/a
Metal Mapper 2x2	Geometrics	n/a	Supported	Pending
TEMSense	TEMSense	n/a	n/a	Supported
MPV	AcornSI	Supported	n/a	Supported
APEX	White River Technologies	n/a	n/a	Supported
UltraTEM	Black Tusk Geophysics	n/a	n/a	Coming for 2024



DAGCAP Validation

- Latest Version
 - v 2022.1
- Pending
 - v 2022.2
 - v 2023.1
 - v 2023.2

For up-to-date information see:

https://www.seequent.com/help-support/standards-certifications/validated-ux-analyze-versions/



Geosoft Plugins retirement

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2023.1 was the last release these plugins were available in the Geosoft installer

- Target for ArcMap plugin
- Plugin for ArcGIS
- Plugin for MapInfo

Past releases: https://my.seequent.com/products/oasis-montaj



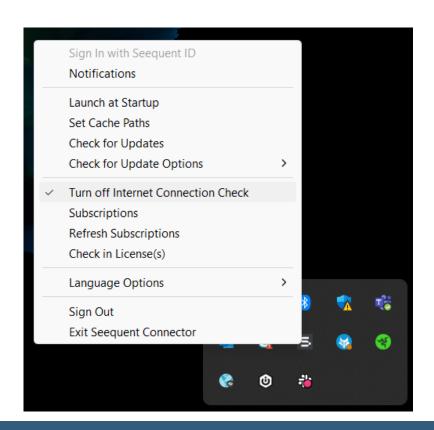


Seequent Connector Update

Oasis montaj 2023.2

Improved Offline Capabilities

- Extended Offline Usage: Operate entirely offline for up to 90 days without interruption.
- Consistent Offline Mode: Optionally disable the automatic license check-in. Once set to offline mode, the SQ Connector avoids license checks, even if an internet connection is detected.



When upgrading to the latest Oasis montaj version, 2023.2, please note that the Seequent Connector will automatically update for offline mode functionality. For Leapfrog users, it's essential to run one of these versions: 2021.1.5, 2021.2.7, 2022.1.2, 2023.1.2, or 2023.2.1. If you're not on these versions, an upgrade is required to ensure Leapfrog continues working seamlessly.



Questions?

Contacts us for any questions.

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