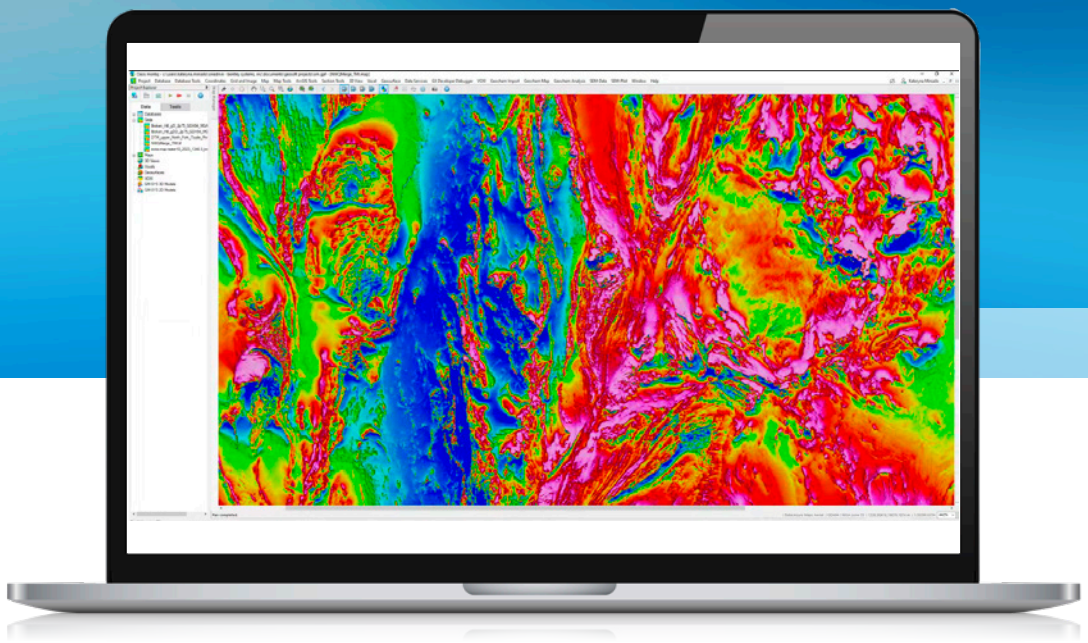
SEEQUENT

Oasis montaj

Oasis montaj **2023.1**

new release



Release Notes

Introducing Oasis montaj 2023.1, where efficiency and collaboration take centre stage. Preserve grid values with native support for industry-standard floating point and cloud-optimised GeoTIFF file formats and improve collaboration, compatibility, and data sharing across geospatial tools and platforms.

The Oasis montaj 2023.1.1 release includes a minor bug fix for VOXI TDEM modelling (both forward and inverse) to ensure accurate results when using the pV/A/m^4 data unit.

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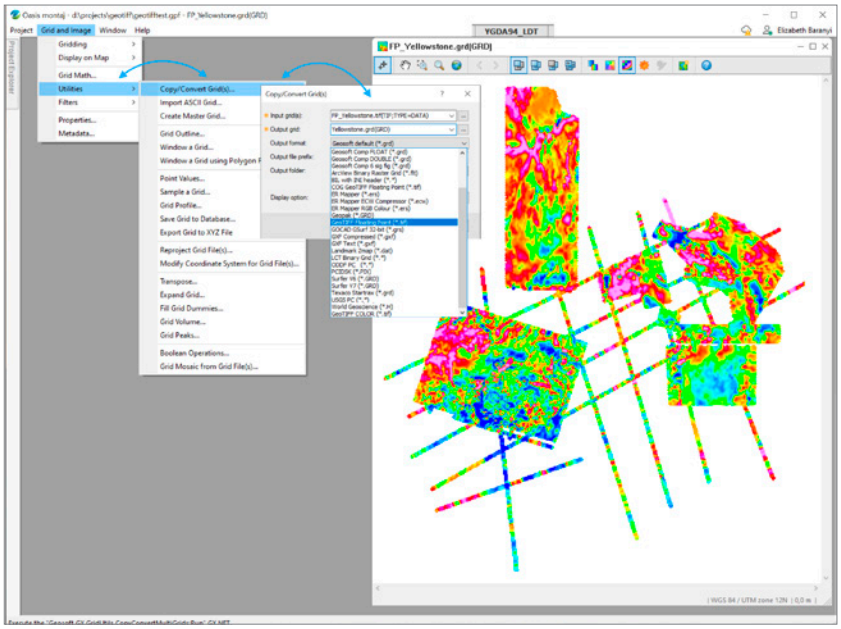
Oasis montaj

New and improved features in Oasis montaj 2023.1

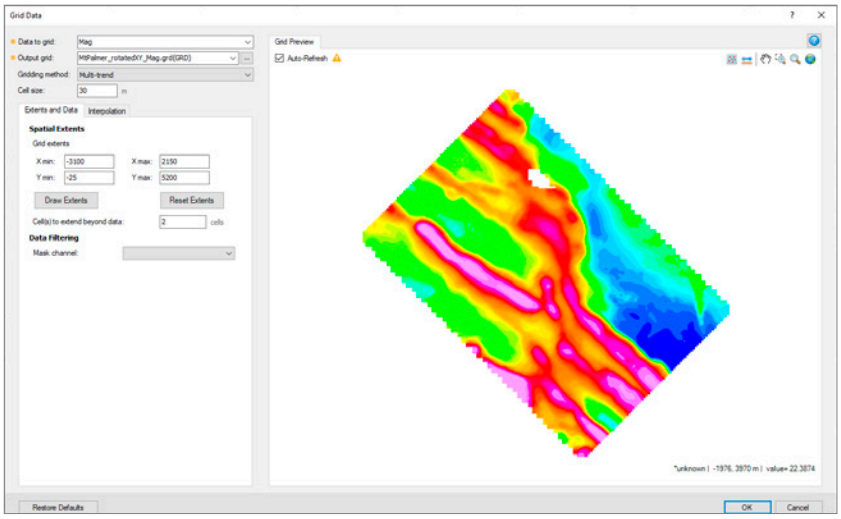
Floating point GeoTIFF support

Share and collaborate on geospatial projects with native support for the industry-standard file format, GeoTIFF. Convert grids to floating point GeoTIFF and optimise them for the cloud. Improve collaboration, compatibility, and data sharing across geospatial tools and platforms.



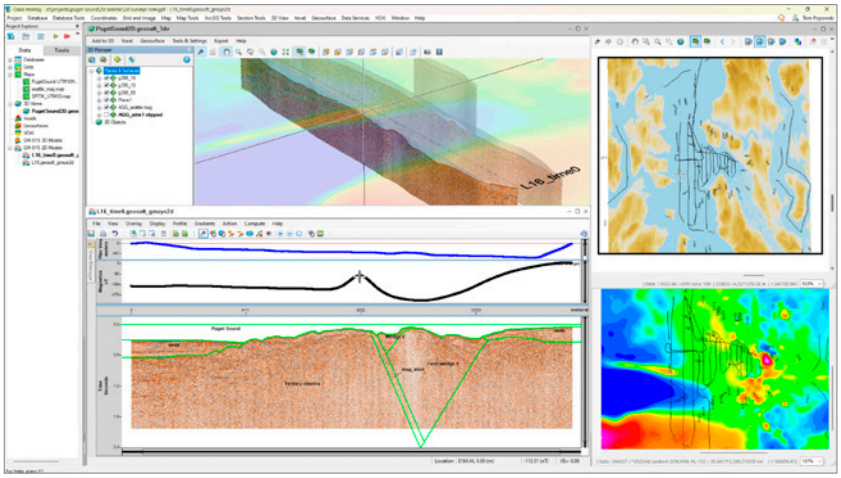
Gridding improvements

Improve accuracy and control over grid boundaries with the gridding tool improvements. Harmonise spatial extents so that different datasets or grids cover the same area. Move between gridding methods more easily with new parameters and consistent parameter names across methods.



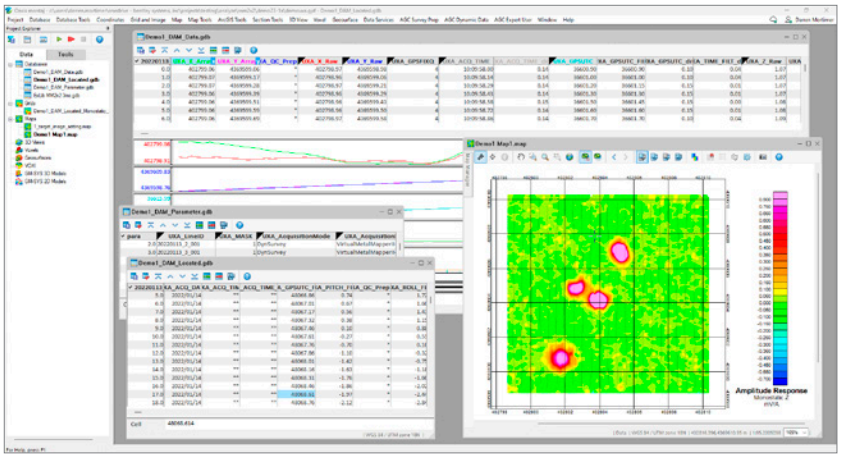
SEG-Y improvements

Easily import your SEG-Y data into Oasis montaj, no matter the structure. Specify the data type, custom header locations, and coordinates, and display distorted SEG-Y sections in 2D. Work with non-standard SEG-Y files quickly.



Synthetic seed workflow in UX-Analyze

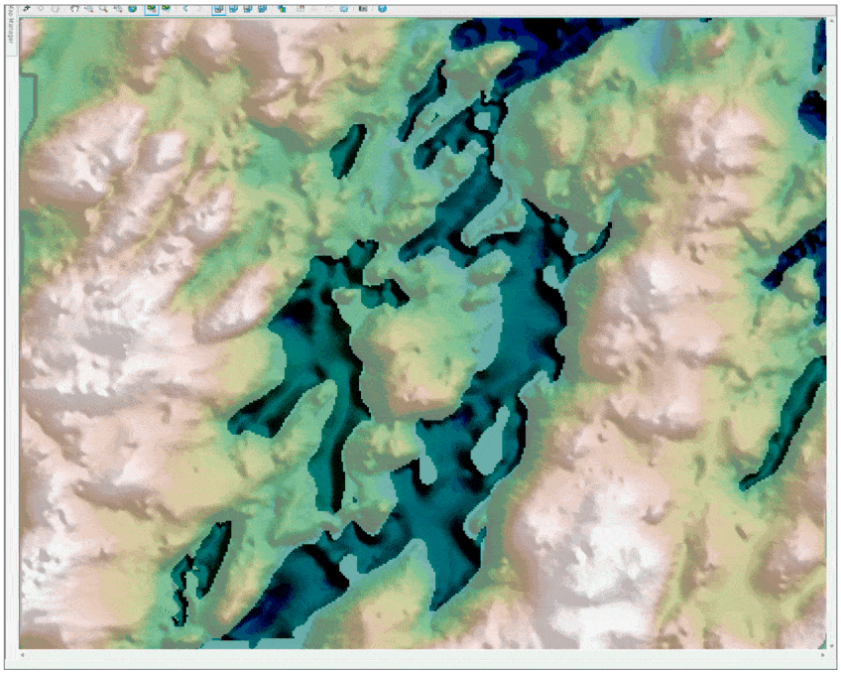
Assess the effectiveness of detection methods and algorithms by synthetically seeding data in UX-Analyze. Generate quality control statistics on correctly locating and classifying seeds and add a forward (synthetic) model to a static dataset to improve evaluation accuracy and reliability of static data.



Gravity improvements

Increase productivity and efficiency with bug fixes and a streamlined Gravity and Terrain Correction Extension workflow.

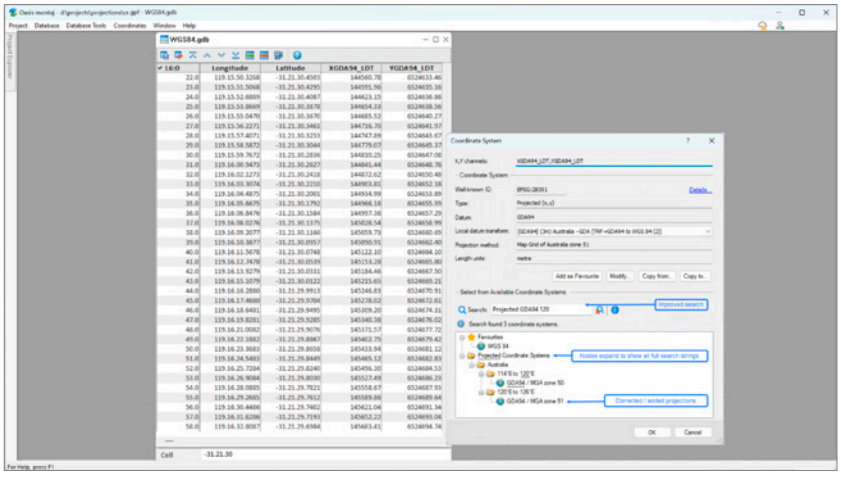
- Merge bathymetry data with digital elevation models (DEM) to create a view of underwater and land topography.
- Simulate absolute gravity values for specific locations.
- Expose the Bouguer anomaly gravity constant and specify overburden thickness.
- Define custom date and time channels.
- Make use of updated sample data from the CG-6 Autograv gravity meter.



New Projections and workflow improvements

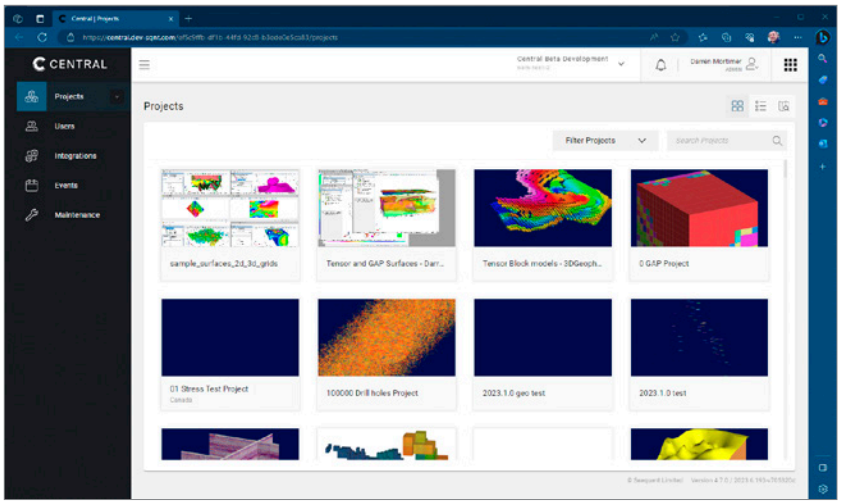
Updated projections:

- OSGB & GDA94
- South Africa Zones 26 to 28 & LO-15 to 33
- Timbalai 1948
- Borneo triangulation
- Mollweide



Interoperability with Leapfrog via Central

Share data and track changes with Leapfrog users by uploading files to Leapfrog Central file storage so that Leapfrog users can easily import the files. Upload grids, voxels, and surfaces to Central so that Leapfrog users have complete accessibility.



Bug Fixes

Oasis montaj 2023.1.1

Oasis montaj **2023.1.1** addresses the following issues:

General

CN: 00066379	Abort no longer occurs when applying a math expression that contains concatenated strings. Related to: <GetBuffer_MTE>
CN: 00066674	In 'Coordinate System', when assigning the South African Survey Grid projection, the zones 24 to 26 deg East. and 26 to 28 deg East. are available under both Lesotho and South Africa tree nodes.
CN: 00077610	Abort no longer occurs when importing UBC 2D IP files with missing data in the topography file. Related to: <sAtod_GS>
CN: 00079049	Displaying a GeoTIFF floating point file as an image (Display on Map | Image) provides the appropriate error message and advises to use the Display on Map | Grid menu option instead.
CN: 00089647	The gridding parameters are retained when switching between different databases in the' Grid Data' tool.
CN: 00090073	In Seeker's Download page, the option to reproject to the current map remains enabled when the Area of Interest (AOI), set initially to the current map extents, is modified.
CN: 00091613	The options under the 'Map Tools' menu (e.g., 'Line Path') produce correct results when databases contain non-English characters.
CN: 00095670	The dynamic search in the 'Coordinate System' tool populates the tree nodes with all the relevant CS (coordinate system) entries that contain the entire search string.
CN: 00098806	In the 'Grid Data' tool, the spatial extents parameters are available for all the gridding methods.
CN: 00106149	Oasis montaj no longer crashes on exporting plan map groups to a 3D DXF file.
CN: 00110295	When importing a 3D SEG-Y file, the X & Y coordinates are no longer restricted to positive values.
CN: 00110442	The error "The '22289' EPSG code is invalid or not supported ..." is no longer triggered when importing an MX-Deposit project in the 'Cape Lo29' coordinate system.
CN: 00130435	Crooked section grids are displayed and correctly georeferenced in 2D section views.
CN: 00132050	In the 'Import SEG-Y' tool, the vertical distance units are scaled to match the horizontal units before the output files (section grids, voxels) are generated.
CN: 00136645	In Seeker, the URL for the DAP Server 'Geological Survey of Canada - Geoscience Data Repository for Geophysical' has been updated to "https://geophysical-data.canada.ca".
CN: 00114755	In the 'Import SEG-Y' tool, you have the option to specify custom data types and non-standard trace-header locations.
CN: 00144217	local datum transform "[GDA94] (3m) Australia - GDA [TRF-GDA94 to WGS84 (2)]" displays the correct rotation (Rx, Ry, Rz) parameters; in agreement with https://epsg.io
CN: N/A	In 'Coordinate System', the Mollweide projection/ coordinate system information can be retrieved from an ESRI (*.prj) file.
CN: N/A	Support for the Mollweide projection has been added: "Mollweide Sphere" and "Mollweide (world)" are available as Geographic and Projected coordinate systems.
CN: N/A	The "Date modified" stamp for a Grid and its associated files (*.grd, *.gi, and *.xml) is no longer updated if the grid file is not modified.

Geosoft Extensions

GM-SYS Profile Modelling

CN: 00033258	Crooked section grids are displayed and correctly georeferenced in GM-SYS Profile models.

GM-SYS 3D Modelling

CN: 00118592	Retrieving a GM-SYS 3D model from a Seequent Central project no longer triggers an upgrade request when the model is opened.

GM-SYS Profile Modelling & GM-SYS 3D Modelling

CN: 00119226	Oasis montaj no longer crashes when a GM-SYS 2D/3D Document that resides in a hidden folder is opened.

Gravity and Terrain Correction

CN: 00082479	The global survey parameters are honoured in gravity workflows; changes made in the 'Survey Parameters' dialog propagate to all applicable Gravity and Terrain Correction GXs.
CN: 00107429	When importing gravity survey data in Geosoft RAW file format, the instrument height channel in the database is no longer labelled as “Alt”.
CN: 00132179	In 'Average Repeats' (Gravity and Terrain Correction extension), you have the option to calculate the repeats for the current line, selected lines, or all lines in the current database.
CN: 00132179	Gravity base station data (Type ‘0’, Station ‘9999’) is no longer appended when merging gravity survey databases with a master gravity database.

UX-Analyze

CN: N/A	In UX-Analyze, new tools are available to add a synthetic seed response to static data, synthetically seed a dynamic dataset, and to generate QC seed statistics.
CN: N/A	‘In 'Dynamic Data QC', the generated report file contains the statistics for each survey line; the default for the ‘Id’ channel is “UXA_UNQIUE_ID”.

VOXI

CN: 00119454	Abort no longer occurs when selecting the Colour Tool on a VOXI layer in 3D Viewer; an error message is displayed on an attempt to open a VOXI inversion document with missing internal data files. Related to: <CInteractiveColourManagerVoxel::ipVOX>
CN: N/A	VOXI TDEM modelling (forward and inverse) is producing correct results using the pV/A/m^4 data unit.

Target 2023.1.1

Target **2023.1.1** addresses the following issues:

CN: 00066379	Abort no longer occurs when applying a math expression that contains concatenated strings. Related to: <GetBuffer_MTE>
CN: 00066674	In 'Coordinate System', when assigning the South African Survey Grid projection, the zones 24 to 26 deg East. and 26 to 28 deg East. are available under both Lesotho and South Africa tree nodes.
CN: 00079049	Displaying a GeoTIFF floating point file as an image (Display on Map | Image) provides the appropriate error message and advises to use the Display on Map | Grid menu option instead.
CN: 00089647	In the 'Grid Data' tool, the gridding parameters are retained when switching between different databases.
CN: 00090073	In Seeker's Download page, the option to reproject to the current map remains enabled when the Area of Interest (AOI), set initially to the current map extents, is modified.
CN: 00091613	The options under the 'Map Tools' menu (e.g., 'Line Path') produce correct results when databases contain non-English characters.
CN: 00095670	The dynamic search in the 'Coordinate System' tool populates the tree nodes with all the relevant CS (coordinate system) entries that contain the entire search string.
CN: 00098806	In the 'Grid Data' tool, the spatial extents parameters are available for all the gridding methods.
CN: 00106149	Target no longer crashes on exporting plan map groups to a 3D DXF file.
CN: 00110442	The error "The '22289' EPSG code is invalid or not supported ..." is no longer triggered when importing an MX-Deposit project in the 'Cape Lo29' coordinate system.
CN: 00130435	Crooked section grids are displayed and correctly georeferenced in 2D section views.
CN: 00144217	The local datum transform "[GDA94] (3m) Australia - GDA [TRF-GDA94 to WGS84 (2)]" displays the correct rotation (Rx, Ry, Rz) parameters; in agreement with https://epsg.io
CN: 00136645	In Seeker, the URL for the DAP Server 'Geological Survey of Canada - Geoscience Data Repository for Geophysical' has been updated to "https://geophysical-data.canada.ca".
CN: N/A	In 'Coordinate System', the Mollweide projection/ coordinate system information can be retrieved from an ESRI (*.prj) file.
CN: N/A	Support for the Mollweide projection has been added: "Mollweide Sphere" and "Mollweide (world)" are available as Geographic and Projected coordinate systems.
CN: N/A	The "Date modified" stamp for a Grid and its associated files (*.grd, *.gi, and *.xml) is no longer updated if the grid file is not modified.

Geosoft Viewer 2023.1.1

Geosoft Viewer **2023.1.1** addresses the following issues:

CN: 00079049	Displaying a GeoTIFF floating point file as an image (Display Image on Map) provides the appropriate error message and advises using the 'Display Grid on Map' menu option instead.
CN: 00090073	In Seeker's Download page, the option to reproject to the current map remains enabled when the Area of Interest (AOI), set initially to the current map extents, is modified.
CN: 00130435	Crooked section grids are displayed and correctly georeferenced in 2D section views.
CN: 00144217	The local datum transform "[GDA94] (3m) Australia – GDA [TRF-GDA94 to WGS84 (2)]" displays the correct rotation (Rx, Ry, Rz) parameters; in agreement with https://epsg.io
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CN: N/A	Support for the Mollweide projection has been added: "Mollweide Sphere" and "Mollweide (world)" are available as Geographic and Projected coordinate systems.
CN: N/A	The "Date modified" stamp for a Grid and its associated files (*.grd, *.gi, and *.xml) is no longer updated if the grid file is not modified.

DAP Server 2023.1.1

DAP Server **2023.1.1** addresses the following issues:

DAP Admin / DAP Server Enterprise

CN: 00105171	MDE Administrators no longer receive an error message on opening LYR data packages sent by MDE Users.
CN: 00109788	DAP Server no longer fails to catalog datasets located in the subfolders of the data folder system.
CN: 00145818	In the 'DAP Administration' portal, the reports results are filtered based on the date range specified.