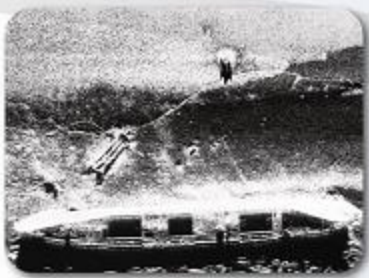
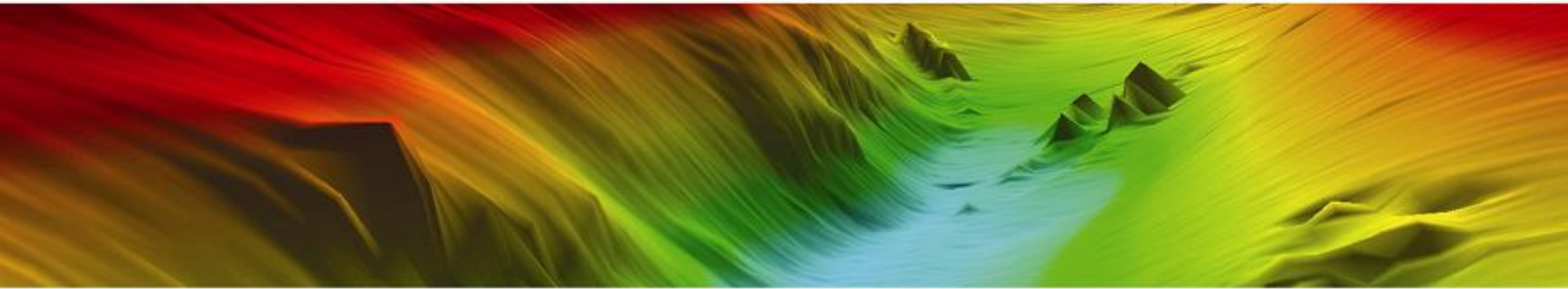


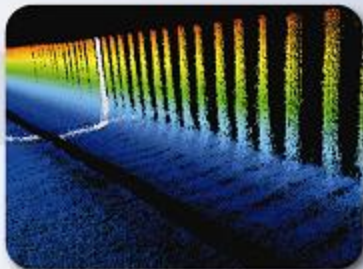


CleanSweep 3

Hydrographic Data Processing Software



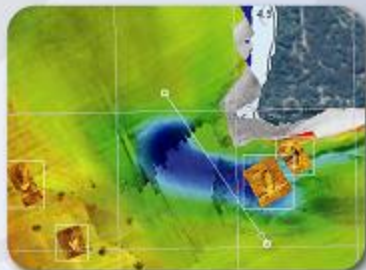
High-quality sidescan processing for precise geocoding and targeting



Advanced multibeam and interferometry processing package



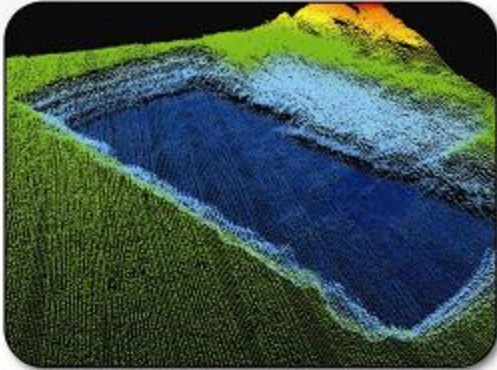
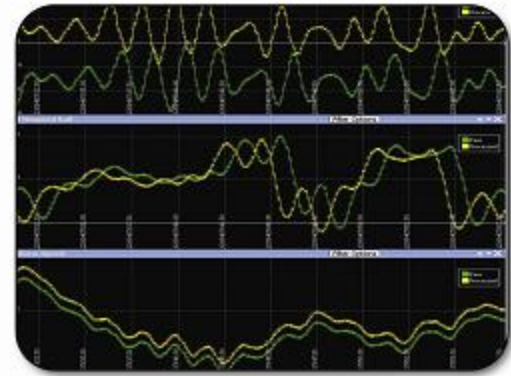
Feature-based navigation tools essential for AUV & towed surveys



Interactive GIS- like interface for intuitive processing and QC

Accurate Positioning

- Automated bias and latency calibration tools
- Smoothing, de-spiking and manual editing capabilities
- Feature-based navigation tools
- Versatile navigation settings provide support for all surveys, including AUV, deep towed and submersibles



Seamless Processing

- Coupled 2D/3D data processing capability
- Attitude, tide and refraction corrections
- Full access to sensor quality flags

Superior Imagery

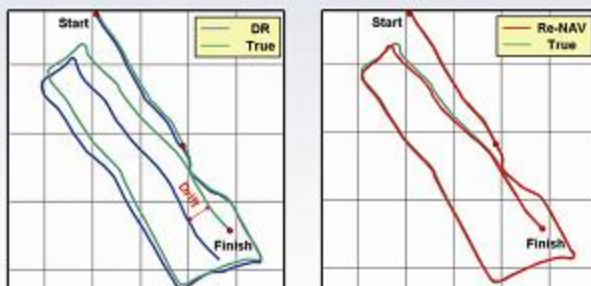
- Powerful processing tools make CleanSweep the benchmark for production of high-quality imagery
- Robust automatic bottom tracking algorithm
- Along- and across-track gain equalization tools



Innovative Tools

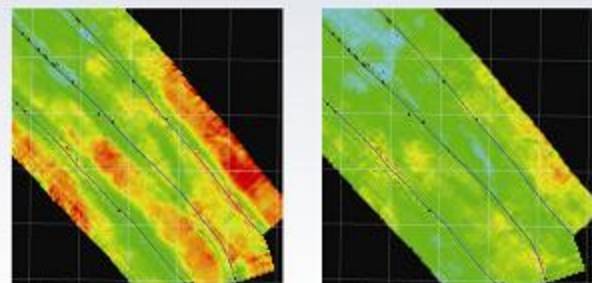
Dead Reckoning

The Re-NAV module of CleanSweep 3 is designed to correct errors in navigation associated with drift in a submerged platform's position estimation. Based on surface GPS fixes, the module will automatically detect offsets in sensor position. Re-NAV will gradually back-correct the acquired navigation data between fixes.



Beam Angle Corrections

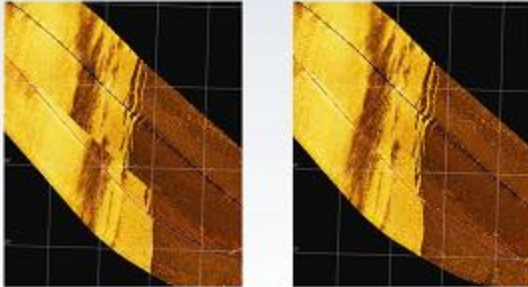
Under unique circumstances, a survey may result in data with along-track bathymetry artifacts in the outer beams. Such artifacts can result from insufficient sound velocity information or incorrect arrival angle measurements. The Beam Angle Correction tool within CleanSweep utilizes the presumably accurate nadir data from one track to calculate angle corrections for an overlapping swath run at a perpendicular orientation.



Innovative Tools

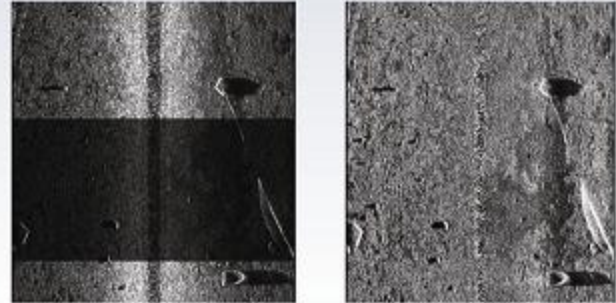
InterNAV

CleanSweep's InterNAV tools allow users to interactively adjust trackline navigation by identifying/matching features in overlapping swaths or referencing to charted features with known positions. What makes InterNAV unique is that it progresses beyond static shifts of entire tracks, using the new information to recompute trackline navigation. This tool is ideally suited for AUV and towed surveys, or anytime precise position information is not available.



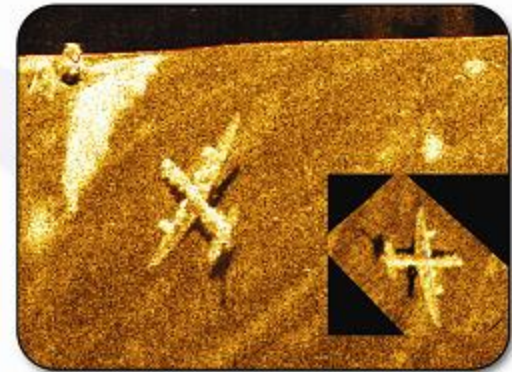
Imagery Normalization

The advanced side scan processing capabilities available in CleanSweep provide un-paralleled control for correction and management of side scan sonar imagery. Powerful tools such as contrast enrichment, beam pattern correction and hardware gain normalization allow users to rapidly produce high-quality final products.



Advanced Targeting

- Target database provides an intuitive interface for mensuration, classification and organization
- Export database to HTML document for inclusion in survey reports

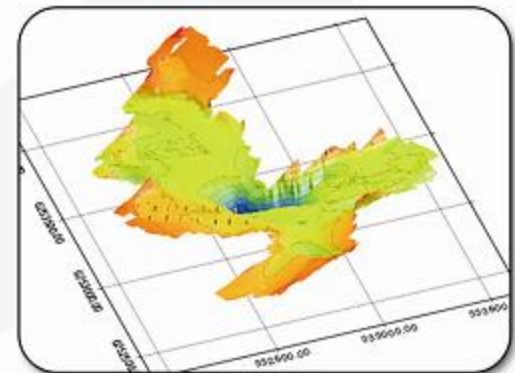


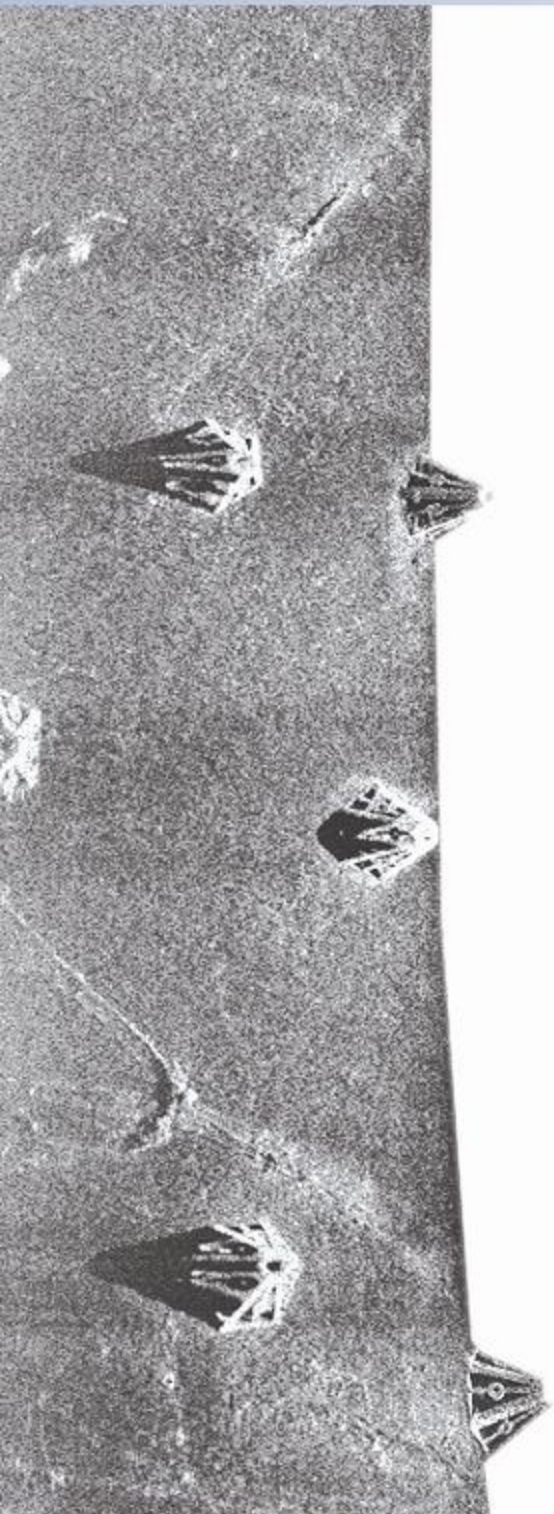
Integrated Solutions

- Bathymetry, sidescan and spatial statistic display
- Direct link between processed mosaics and raw data
- Processed data interface supports a wide variety of background data types

Multiple Outputs

- Export options include ASCII xyz, GeoTIFF (8 or 24 bit) GRD grid, OIC grid, printer ready PostScript files, HTML target report, ESRI-format grids and geodatabase





CleanSweep version 3 is a complete hydrographic data processing package, providing a suite of tools and capabilities that improve the user's ability to control and enhance their data. Designed to meet the dynamic needs of the marine surveying community, CleanSweep provides a fast, user-friendly environment for processing data from sidescan, multibeam and swath interferometric systems.

Full-Featured Demo Version



Contact OIC to obtain a copy of our full-featured demo version of CleanSweep 3, which will allow you to test all available capabilities. Sample projects include multibeam, sidescan, and interferometry datasets.

info@oicinc.com

www.oicinc.com

A key characteristic that makes CleanSweep a unique processing platform is the departure from time consuming, line-based interactivity typically required for processing survey data. Features such as track-to-track inheritance of processing parameters, user-defined quality filters and automated calibration tools eliminate much of the time-consuming elements of data processing. At the same time, CleanSweep provides many advanced processing tools that not only preserve, but enhance the user's control of the data.



64-bit Version Now Available

Oceanic Imaging Consultants, Inc.

Founded in 1993, OIC provides seafloor mapping software, systems and services to the world's military, government, commercial, and academic markets. With a solid understanding of the requirements of the hydrographic community and an emphasis on providing quality customer support, OIC should be your first stop for all of your seafloor mapping needs.



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