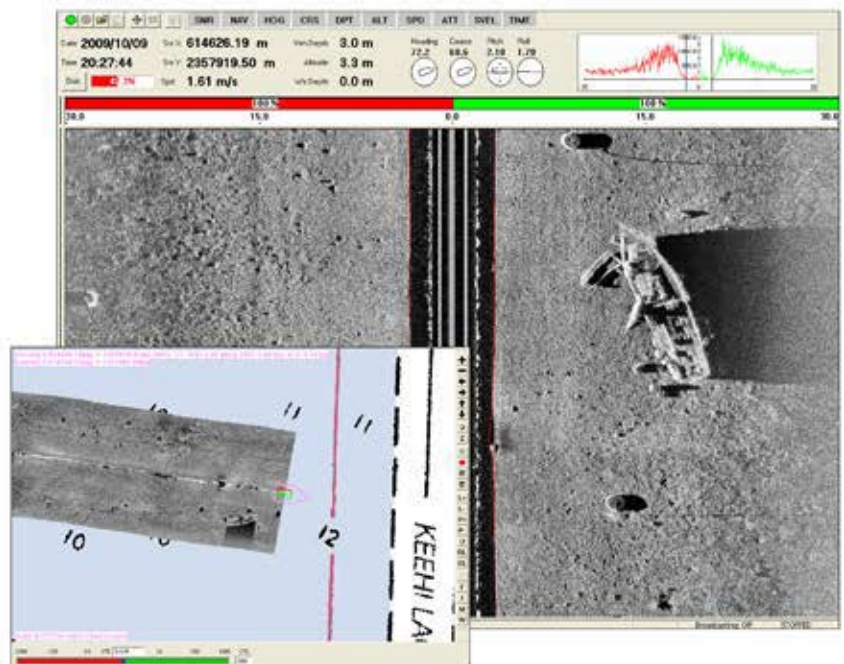# GeoDAS

Geophysical Data Acquisition System

Survey Management

Project Databasing

Real Time Mosaicking

Advanced Targeting

The GeoDAS system supports acquisition, control, real time processing and geo-coding of seafloor mapping data acquired using sidescan, multibeam, forward look, sub-bottom, magnetometer and interferometric sensors. It integrates navigation, heading, attitude and environmental sensors to provide a complete geophysical survey planning, acquisition, and control package. It is capable of logging up to eight channels of data using a newly redesigned and user-configurable interface, and delivers a powerful data acquisition package that is second to none.
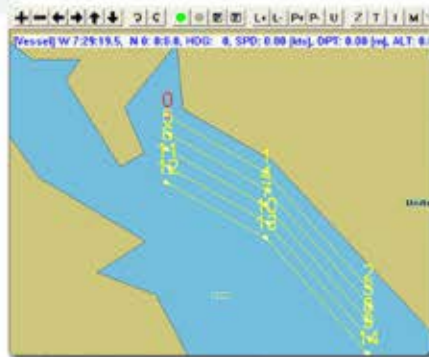
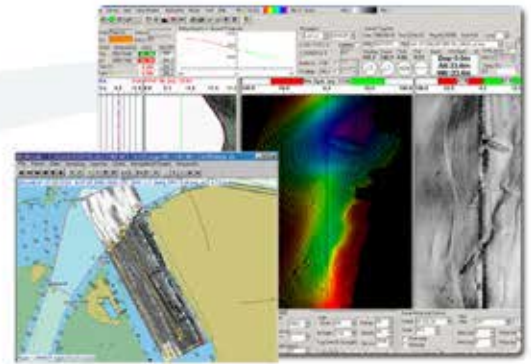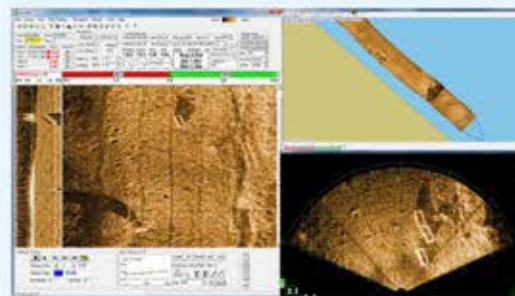www.oicinc.com

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Real Time Processing and Mosaicking

Comprehensive online suite of processing tools include navigation smoothing, heave, pitch, roll, draft, tide, sound velocity, slant range and speed corrections, and range/angle/quality filters.

Survey Management

GeoDAS supports design and editing of survey run lines. Users can edit survey plans 'on-the-fly' - providing flexibility and organization to survey execution. All sensor and survey parameters are stored in a 'projects' folder allowing seamless day-to-day operations.
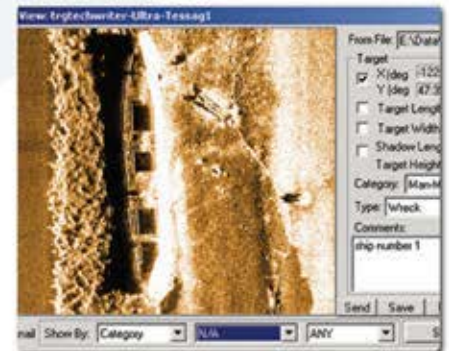
Targeting

Geo-coded target display tools include zoom, measurement, comments, classification and automatic databasing for flagged targets, thumbnail viewing, and auto-playback features.

Geocoding of Forward Look Sonar (FLS) data for nadir gap filling or FLS-only mosaics

OIC recently launched GeoDAS with integration support for forward look imaging sonars. The new feature allows users to acquire and view FLS data alone, or as a nadir gap filler for sidescan data. FLS data uses the geo-coding, target marking, and real time mosaicking offered in GeoDAS. Now, the user can process FLS imagery and determine how much of the FLS sector to push to the mosaic or waterfall. For standalone FLS operations, users can review imagery in a spatial context. In gap fill mode, this new capability translates to no more holidays, and no time wasted running extra survey lines.

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.