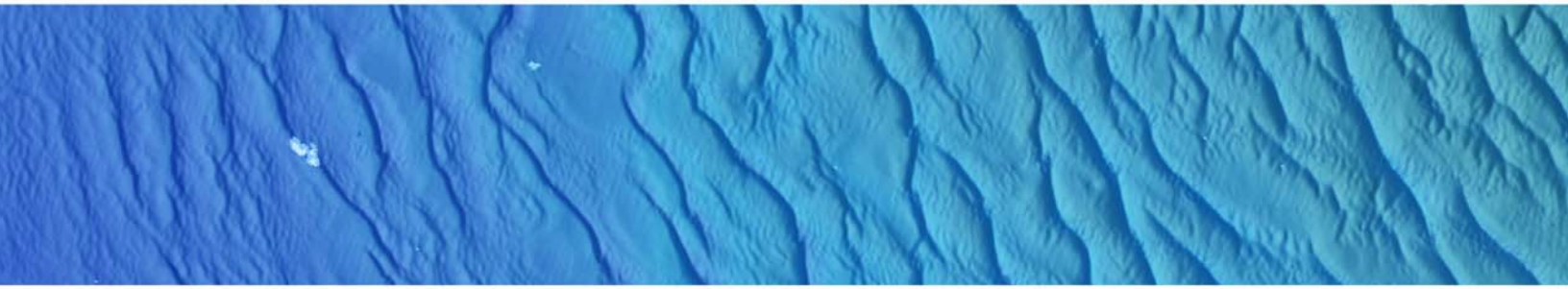
GeoDAS

Geophysical Data Acquisition System



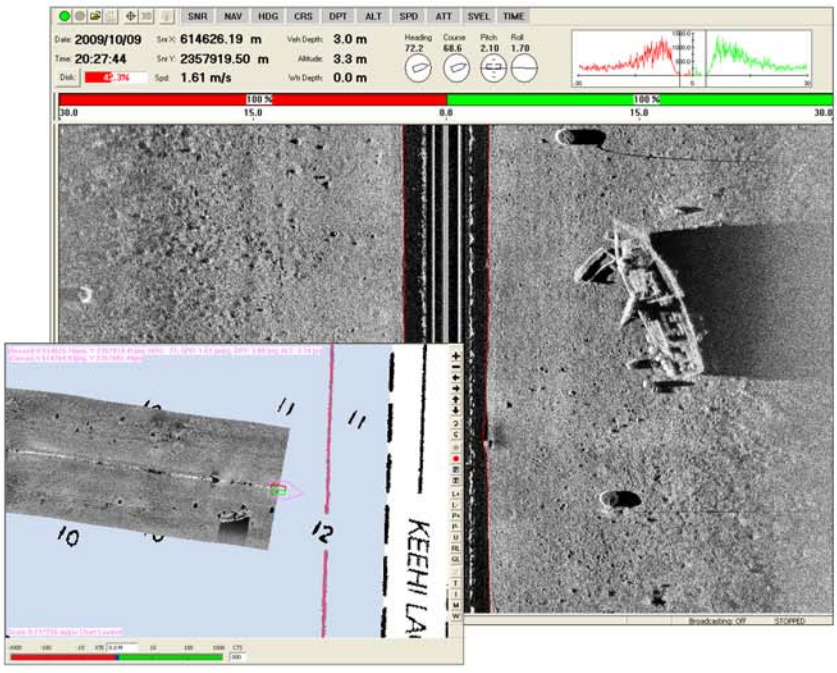
Survey Management

Project Databasing

Real-time Mosaicking

Advanced Targeting

GeoDAS 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. The program integrates navigation, heading, attitude and environmental sensors to provide a complete geophysical survey planning, acquisition, and control package. Capable of logging up to 8 channels of data using a newly re-designed and user-configurable interface, GeoDAS delivers a powerful data acquisition package that is second to none.



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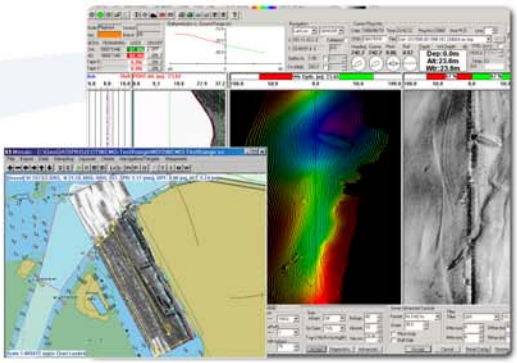
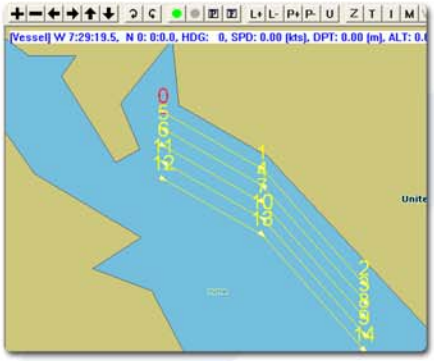
Supported Sensors

Arete' Streak Lidar
AST ProSAS
Atlas Deso
BlueView P-Series
C-Max CM2
Datasonics SIS 1500
Datasonics SIS1502
Datasonics SIS 3000
DSME Utech S-150
DTI PROSAS
echoPLUS
EdgeTech 272-ACI
EdgeTech LC-100
EdgeTech 4100
EdgeTech 4125
EdgeTech 4200
EdgeTech 4300
EdgeTech DF1000
EdgeTech FS-AU (2200)
EDO
HMS-1400
Imagenex 852
Imagenex Delta-T
Imagenex Sportscan
Imagenex Yellowfin
Innerspace 449DF-1D
Klein-595
Klein 2000
Klein 3000
Klein 5000
Knudsen 320
Kongsberg Simrad EM12
Kongsberg Simrad EM950
Kongsberg Simrad EM300
Kongsberg Simrad 1000
Kongsberg Simrad 3000
Odom Echoscan
Odom Echotrac
RDI BSSS
R2Sonic 20xx
Raytheon LS-4096
Reson 81xx, 9001
RoxAnn
SAIC SM2000
Simrad EA500
SonarBeam S-150 (100, 400, 1250 kHz)
Sonavision Mercury
Teledyne Benthos C3D
Teledyne Benthos Chirp III
Teledyne Benthos SIS 16xx
Tritech Micron
Tritech Starfish
UEOS Aretemes FLS
UEOS Deepscan
UEOS Widescan

Real-time Processing & Mosaicking

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



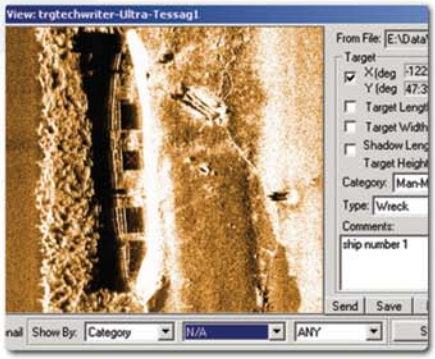


Survey Management

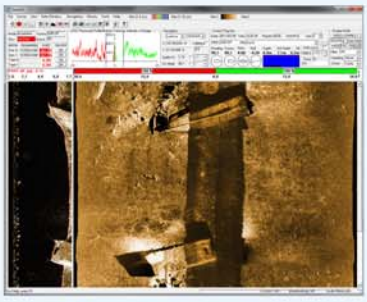
GeoDAS supports design and editing of survey run lines. Users can make edits to survey plans 'on-the-fly', providing flexibility and organization to survey execution. All sensor and survey parameters are stored in 'Projects', allowing seamless day-to-day operations.

Targeting

Geo-coded Target Display with zoom, measurement, comments, classification and automatic databasing of flagged targets with thumbnail viewing and auto-playback features.



Innovative Tools



Nadir Gap Filling with a Forward Looking Sonar

OIC has recently completed integration support for the BlueView P-series forward-look imaging sonars within GeoDAS. The new feature allows users to acquire/view BlueView data alone, with all of the geo-coding, target marking and real-time mosaicking always offered in GeoDAS, or in concert with any traditional sidescan, to provide a nadir gap-filling capability. GeoDAS will automatically determine the size of the sidescan nadir gap, and sample optimally from available forward look data to fill the gap. This 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 acedemic 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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