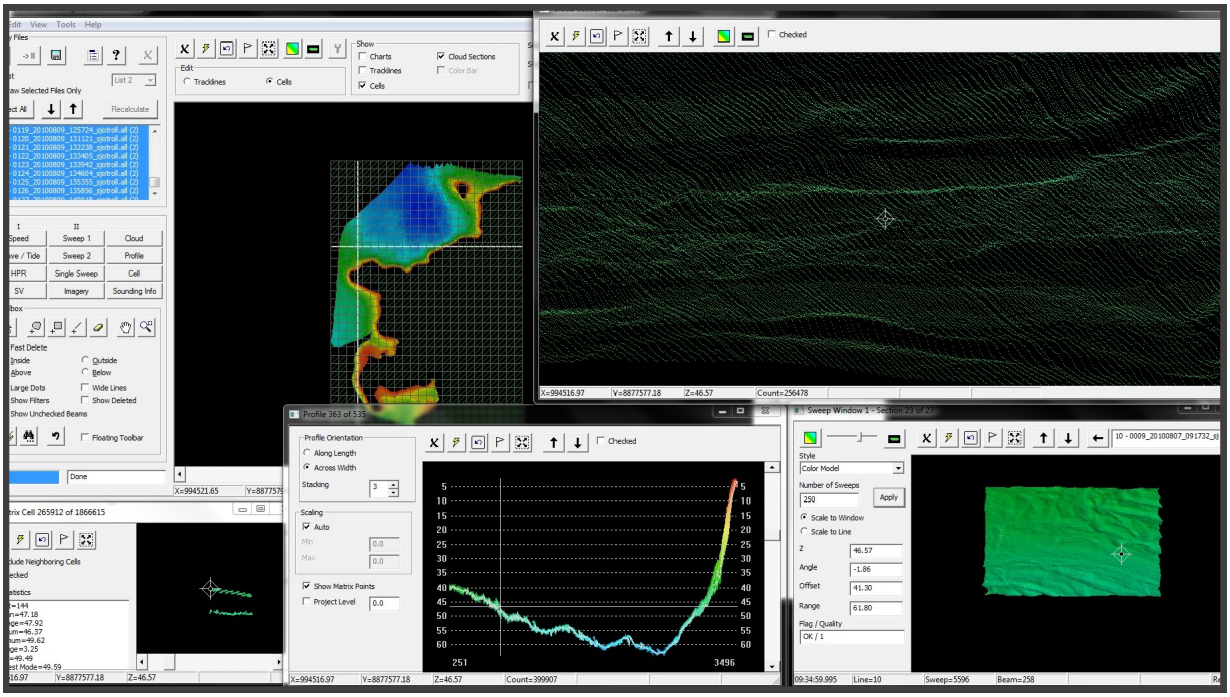
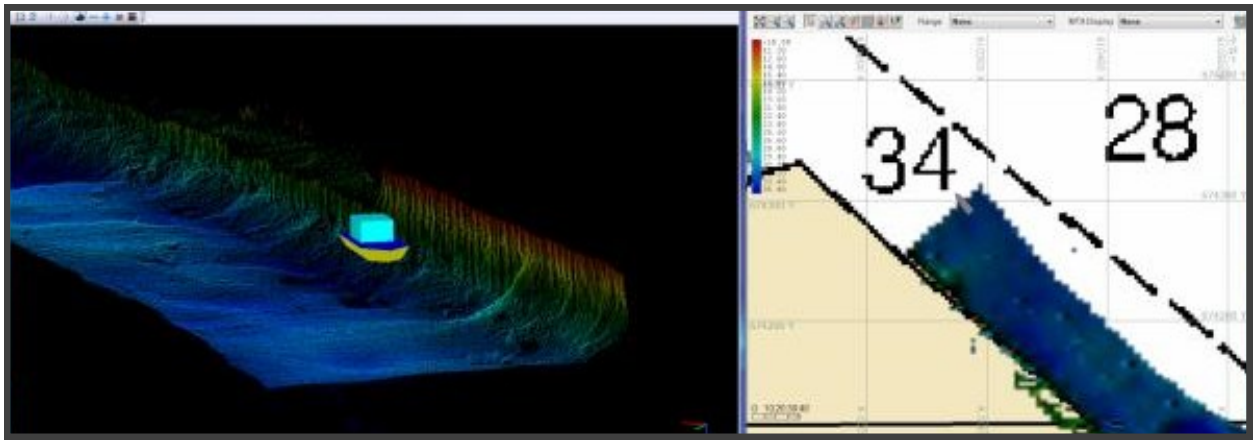
HYSWEEP®

Software for Calibrating, Collecting and Processing Multibeam, Topographic Laser Backscatter and Water Column Data



64-bit HYSWEEP® EDITOR (MBMAX)



New REAL TIME POINT CLOUD: It displays both multibeam and topographic laser data in a corrected and geo-referenced, color-coded point cloud.

HYPACK
a xylem brand

HYSWEEP® is an optional module that allows you to calibrate, collect and process multibeam, multiple transducer and topographic laser data. A HYPACK® license is required.

With over 3,000 users around the world, HYSWEEP® includes interfaces for the following systems:

- Atlas Bomasweep, Fansweep and Hydrosweep
- Benthos C3D
- Bathy Swathplus
- Blueview multibeam
- Edgetech 4600 and 6205
- GeoAcoustics GeoSwath
- IBeam
- Imagenex Delta T
- Kongsberg MS1000
- Kongsberg EM1002/2000/2040/710
- Kongsberg EM 3000/3002/3002D/302
- Kongsberg Mesotech M3
- Klein HydroChart
- Leica PS20
- Norbit
- Odom ES3
- Odom MB1 - MB2
- Odom Echoscan
- Optech ILRIS
- PingDSP
- R2Sonic Sonic 20XX (Single and Dual Head)
- Reson 71xx, 81xx, 91xx
- Riegl LMS and V Series
- Reinshaw
- Ross Smart Sweep
- SEA
- Seabeam 2100/3000/SB1000
- Tritech Gemini
- Tritech SeaKing
- Velodyne
- WASSP Multibeam

The HYSWEEP®, Patch Test allows you to determine the exact mounting angles for your system in hours, not days.

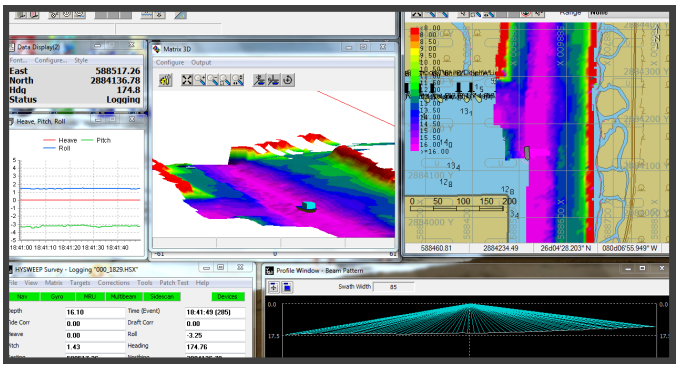
HYSWEEP® SURVEY provides you with coverage diagrams, real-time TPU displays, and QC tools needed to efficiently complete your multibeam survey.

REAL TIME POINT CLOUD: The new program runs in conjunction with HYSWEEP® SURVEY and displays both multibeam and topographic laser data in a corrected and geo-referenced, color-coded point cloud. The REAL TIME POINT CLOUD program is useful for easier feature detection and categorization, system calibration and verification, and data quality control.

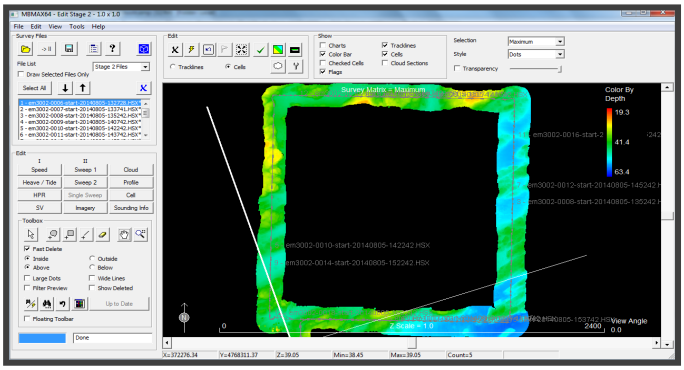
The HYSWEEP® Water Column Logger allows users to ensure that hard targets, such as wrecks, are fully detected, and to confirm the least depth in the water when fine features such as cables or masts may otherwise be missed.

The HYSWEEP® multibeam editor allows you to review your raw data components, incorporate sound velocity and water level corrections (including RTK TIDES and VDATUM), and apply geometric and statistical filters to quickly clean your data and output a variety of data subsets.

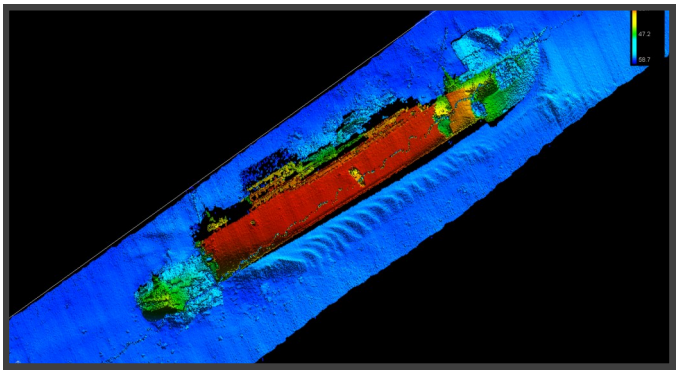
GEOCODER™, licensed from UNH-CCOM, allows you to generate mosaics and perform bottom classification from average backscatter and snippet data.



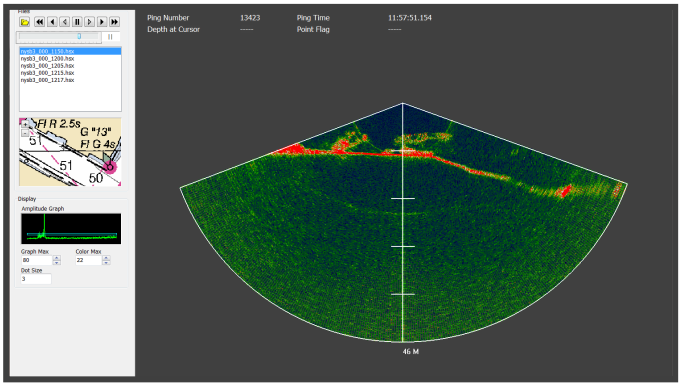
The HYSWEEP® SURVEY program showing 3D Seafloor, Beam Pattern, Coverage Map, and Motion Correction. Just some of 20 available real-time windows.



Our HYSWEEP® editor, MBMAX, allows you to graphically review your multibeam survey data, and remove outliers with geometric and statistical filters.



HYSWEEP® includes 3D visualization and processing tools using our CLOUD program.



The HYSWEEP® WATER COLUMN PLAYBACK allows you to replay the water column data provided by modern multibeam sonars, highlighting the powerful multibeam and backscatter collection capabilities of HYSWEEP®.

HYSWEEP®

Designed and supported by: HYPACK, A Xylem Brand

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