

HYPACK 2017 Hydrographic Training Event

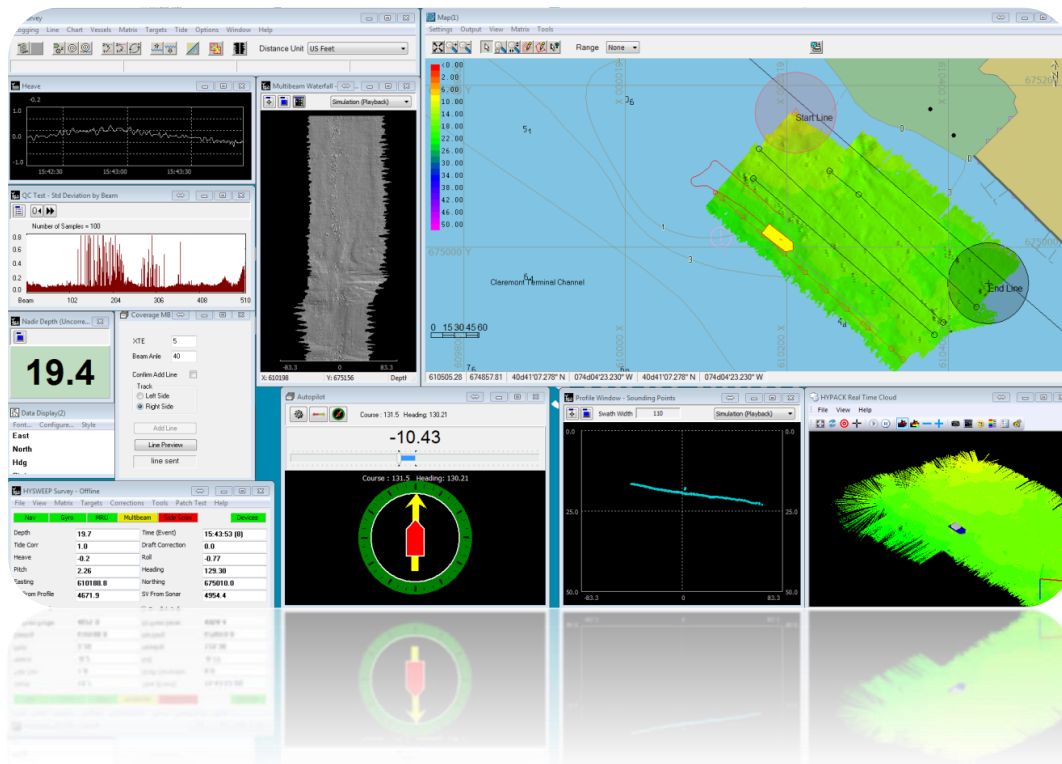


HYPACK
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The HYPACK 2017 Hydrographic Training Event will be held in New Orleans, Louisiana on January 9th-12th, 2017. The Hilton Riverside New Orleans will provide accommodations and host our annual event.

Introducing HYPACK® 2017

During this event, we will reveal the newest version of our software, HYPACK® 2017. The following is a preview of some of the new features and enhancements that are included.



In Survey Planning

Exportable mission planning line files support work with autonomous surface vehicles. New device drivers include the Canon DSLR camera with remote triggering and post processed georeferencing capabilities, Reson T20 & T50 (and dual head), Klein 5000 bathy, PicoMBES, and Kongsberg Seapath INS and PulsAR sidescan. Additionally, the Multibeam Coverage driver provides an on-the-fly line plan from newly collected multibeam data; and the NOAA Weather Station driver displays current weather information from the nearest NOAA station based on vessel position. The updated SonTek HydroSurveyor driver now supports DVL.

For Data Collection

Real-time sidescan mosaic for multibeam backscatter; simultaneous multibeam automatrix and sidescan mosaic coverage map, anchor sweep displays to monitor ship movement; and Real-time Cloud displays intensity data.

For Data Processing and Final Products

Our new, 64-bit Single Beam Editor (SBMAX64) emulates our MBMAX64 interface and adds the flexibility to simultaneously process all beams from multi-transducers, including the SonTek HydroSurveyor.

MBMAX64 includes new routines: WOBBLE64, a wobble correction routine; and a vegetation filter to help distinguish the true bottom. You can apply your sound velocity profile based either on time *or on time and position*; and export selected areas from your Cloud, or Profile display to XYZ data files.

HYSCAN provides new Imagery tools to mark areas where the mosaicking process omits the scan data, which is useful for removing poor resolution turn data common in AUV sonar missions. HYSCAN also now supports direct import of select 3rd party file formats.

HYPACK® Sub-Bottom

Our new HYPACK® Sub-Bottom license supports collection and processing of *only* sub-bottom sonar data. This is a lower-cost option if you use only a sub-bottom sensor in HYPACK®.

TRAINING SESSIONS

The HYPACK Hydrographic Training Event is an essential, low-cost method to receive comprehensive instruction in HYPACK®, DREDGEPACK® and HYSWEEP® software. This training is beneficial to all. We provide a general training session--for those who are just beginning to use HYPACK® or those who wish to have a refresher—and expert sessions for in-depth training on a particular subject. If you need help with an individual issue or question, one-on-one sessions with our technicians and programmers are also available throughout the event.

HYPACK CERTIFICATION

Attendees have the opportunity to become HYPACK®-certified in HYPACK® and HYSWEEP® after the HYPACK® 2017 Training Event. This is a difficult test that is given upon the completion of a three-day HYPACK® Training Seminar. You must demonstrate advanced knowledge in survey design, hardware configuration, survey, single-beam processing, sounding selection, multibeam calibration and processing, volume computations, and general hydrography in order to pass.

You can find more information on our website (www.hypack.com). Just select HYPACK® Certified under the Training tab.

INDUSTRY PARTNERS EXHIBITING

There will also be an opportunity to visit exhibitors from the industry's leading hardware manufacturers, equipment resellers and service providers at HYPACK® 2017. The following list of exhibitors was updated as of press time:

AML Oceanographic
Applanix
Aqua Tech Services
CEE Hydrosystems USA, Inc.
EdgeTech
HYPACK-A Xylem Brand
Imagenex
Klein Marine Systems, Inc.
Knudsen
Kongsberg Underwater Technology Inc.
Marine Magnetics
Marine Science Fabrication
Measutronics
Mercator
Norbit
O.G.I. Inc.
OceanServer Technology, Inc.
Ping DSP
R2Sonic
Renishaw Inc.
SBG Systems
Seafloor Systems Inc.
SeaRobotics
SonTek-A Xylem Brand
Subsea Technologies, Inc.
Survey Equipment Services
Teledyne Marine
Valeport Ltd
Velodyne LiDAR, Inc.

WASSP LTD.

To find more information on this training event or to register, please visit our website at www.hypack2017.com

We look forward to seeing you in New Orleans!