

OIC IMAGE

OCEANIC IMAGING CONSULTANTS
Newsletter – WINTER 2010



Company Update

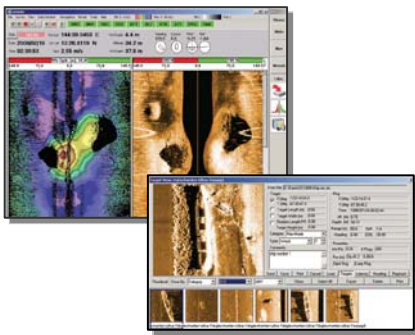
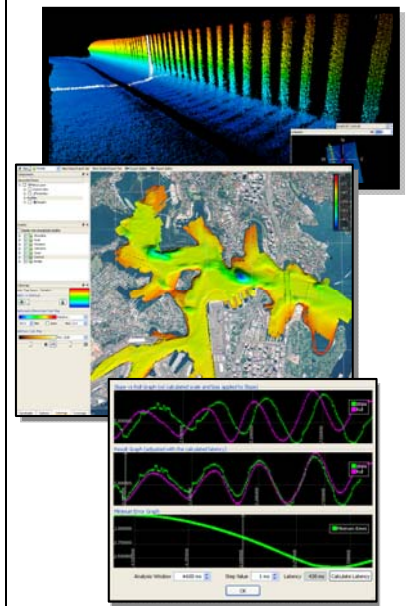
After an extremely productive 2009, we decided that it was time to take a short break from our busy schedule to drop a line to our clients and colleagues regarding the happenings at Oceanic Imaging Consultants. Included in this newsletter is a sampling of our recent specials, updates and happenings.

Oceanology International 2010 - 50% OFF SALE!

Receive 50% off the list price of selected OIC software products during Oceanology International 2010 in London. Come visit us at booth N550 or contact us at info@oicinc.com for details.

Product News

CleanSweep version 3 – In 2008, under DARPA funding, OIC re-vamped CleanSweep to deliver a three- to ten-fold improvement in processing speed for our NAVOCEANO customers. Naturally, our commercial customers are happily taking advantage of this as well! Long considered the software of choice for producing high-quality sidescan sonar mosaics, with the release of version 3, CleanSweep has become a complete and powerful package for all of your data processing needs. A key characteristic that differentiates CleanSweep v.3 from its competitors, as well as previous CS versions, is a departure from the time consuming, track-to-track interactivity required for survey data processing. Rather, CS3 represents what we like to call a ‘batch-interactive’ processing philosophy. 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 new advanced processing tools that not only preserve, but enhance the user’s control of their data. New features include automated Patch Test processing and latency calculator tools, a revamped Interactive Mosaic, coupled 2D-3D editing capabilities, feature-based navigation corrections and direct export to ESRI format grids and features.



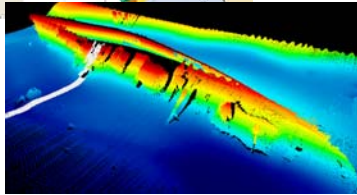
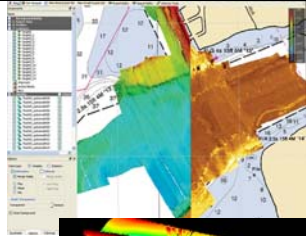
GeoDAS – On the acquisition side, OIC has continued to explore new ways of meeting our client’s needs. To that end, we spent a year working with one of our clients to develop a streamlined version of GeoDAS. With a new user-configurable interface GeoDAS now represents the ideal combination of functionality and simplicity, while retaining all of the processing power of the previous versions. Features include the capability of logging 8-channels of data, survey execution and management, real-time mosaicking, target marking and analysis, bathy and sidescan processing, and project databasing.

Recent Sales

Oceanic Imaging Consultants continues to expand its market share and reputation within the hydrographic surveying community. Recent sales, rentals, and license upgrades have gone to:

- Mississippi Department of Marine Resources
- Global Remote Sensing, LLC
- University of Rhode Island
- Johns Hopkins University
- University of South Florida
- Geoscience Earth and Marine Services
- Japan Agency for Marine-Earth Science and Technology
- Naval Oceanographic Office
- Servicios Geo Technicos
- C&C Technologies

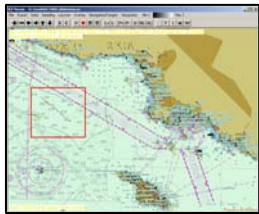
Survey Participation & Execution



In September through November of 2009, Oceanic Imaging Consultants provided data processing services to Geoscience Earth & Marine Services, Inc. (GEMS) in support of a hydrographic survey carried out off the east coast of the United States. OIC provided both in-house and field personnel in support of the operations. OIC's CleanSweep3 was used for data processing of the collected high-resolution side scan sonar and multibeam backscatter imagery. GEMS is based out of Houston, TX, and specializes in geological, geophysical, and geotechnical analysis for the oil and gas industry. OIC's relationship with GEMS goes back nearly a decade, as they are longtime users of our data processing software packages. However, this was the first time we have provided direct services for their field operations. The collaboration was a great success, and a wonderful experience to finally work together.

In March of 2009, OIC executed a deep-towed survey off the coast of California under contract from [Science Applications International Corporation](#). The survey required 24 hour operations for 8 days and utilized 4 OIC personnel to manage the data acquisition and processing. The sonar system employed for the survey was the Teledyne Benthos C3D interferometric sonar system with sub-bottom profiler. Auxiliary sensors included an Ixsea Octans motion sensor, and a FSI pressure sensor and sound velocimeter. GeoDAS was used to simultaneously log the incoming sidescan, bathymetry and sub-bottom data, and CleanSweep was used for data processing and final product generation. We will be using our GeoDAS-TBI software for acquisition and CleanSweep for processing.

In December of 2008 and January of 2009, Oceanic Imaging Consultants provided data processing services to [Global Remote Sensing, LLC](#) (GRS) as part of fiber optic cable landing site surveys in Southern Europe. GRS is based out of Seattle, WA but carries out hydrographic, geophysical, and geotechnical surveys around the world. OIC provided both in-house and field personnel in support of the operation. The shallow-water data were acquired by GRS personnel aboard various vessels of opportunity utilizing both towed and pole-mounted Teledyne Benthos C3D interferometric sonars. OIC's GeoDAS-TBI was used for data acquisition, and CleanSweep for data processing.



In August of 2008, OIC provided data acquisition and processing services to [Science Applications International Corporation](#) for a Cable Install route survey in Southern California. The Deep Tow survey utilized SAIC's FOCUS vehicle, equipped with RESON 8101 MBES, EdgeTech 2400-DSS (SS and Sub-bottom) and IXSEA GAPS USBL system. Acquisition was carried out using OIC's GeoDAS; data processing utilized CleanSweep.

During the summer of 2008, OIC participated in a shallow water geohazard survey in the Beaufort Sea with Geo LLC (now [Fugro GeoServices, Inc.](#)) out of Anchorage, AK. The M/V Henry Christophersen was equipped with a RESON 8101 MBES and TBI SIS-1500 SSS with sub-bottom profiler and seismic system. OIC responsibilities included operation of GeoDAS for data acquisition, and assistance with equipment deployment and recovery. During the one-month survey, more than 1500 km of survey tracks were acquired.

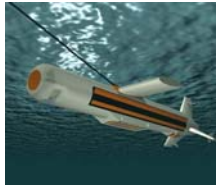


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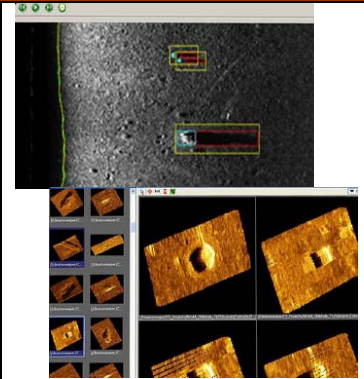


Projects & Research



In October of 2009, under funding from the [Center of Excellence for Research in Ocean Sciences](#) (CEROS), OIC began working on development of a software package that will improve the efficiency of post-mission analysis (PMA) of mine-countermeasures data. OIC will be working with both PMS-495 and Naval Surface Warfare Center, Panama City division to deliver enhanced data handling capabilities for MCM data from a variety of sensors.

Under funding from the [Hawaii Technology Development Venture](#) and the [Pacific International Center for High Technology Research](#), OIC completed one year of funded development work on a prototype COTS software package called HarborScan, which is designed for the automatic detection and reporting of seabed change for the purpose of harbor security. In the future we will be incorporating the HarborScan utilities into CleanSweep. These capabilities include automatically detecting, measuring, and describing targets imaged in sidescan sonar data, and in the case of repeat surveys, reporting any changes in the distribution and abundance of targets. Clearly, the benefits of an automated target management system will extend beyond harbor security applications, and we look forward to delivering these features to all of our clients in the near future.



NEWS

MK Services – New OIC UK Agent

In December 2009, OIC signed an agent agreement with MK Services, who will be our exclusive vendor in the UK. MK Services has been providing geophysical, hydrographic and positioning equipment for almost 30 years. We are very excited by the prospects of this new relationship, and look forward to increasing the presence of OIC products and services in the UK and Europe. MK Services is now added to an expanding list of OIC agents around the globe, which also includes:

- Toyo Corp. – Japan
- Laurel Technologies – China
- Shark Marine Technologies – Canada
- Geo Marine Technology Co. – China
- Oceantech – Korea
- Underwater Survey Technology 21 – Korea
- DPS Technology – Australia
- MK Services – United Kingdom

Quarterly OIC Training Courses

Oceanic Imaging Consultants has begun offering quarterly training courses at our facilities in Honolulu, HI, as well as other locations in the United States and internationally. The purpose of these courses is to ensure all of our users have the knowledge and confidence to use our products to their full potential; however, the courses can be tailored to meet the specific needs of the enrolled students.

Next Course – June 2010 in Honolulu

Contact OIC for registration information – info@oicinc.com



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