



FOR IMMEDIATE RELEASE

3D Visualization Software Offers New Statistical Based Processing and QC for the Ocean Mapping Industry

Fredericton, New Brunswick, Canada – April 28, 2004 – IVS 3D is pleased to announce today, a new release of their Fledermaus Software Suite, Version 6.1, an off the shelf scientific and engineering 3D visualization software package commonly used in the oceans industries. Version highlights include the release of 'CUBE' (Concurrent Uncertainty Bathymetric Estimator), a form of auto-processing based on generating a statistical best fit surface based on attributing data samples with appropriate measurements of vertical and horizontal error. Multiple surfaces known as hypotheses are generated for areas where the data supports multiple potential solutions. New tools integrated within Fledermaus construct and allow you to visualize, and select the most appropriate surface model for the underlying data.

The CUBE algorithm implemented in Fledermaus comes directly from research by Dr. Brian Calder at the Center for Coastal and Ocean Mapping at the University of New Hampshire. IVS 3D is a member of the industrial consortium at CCOM, and excited to be able to offer the first commercial implementation of this world leading research. Trials during testing of the software have shown a reduction by at least a factor of ten in the time for processing and verification of multibeam sonar data. The combination of the CUBE algorithm with the Fledermaus area based process launches a new and more efficient approach to processing of multibeam sonar data; with an end to the current laborious line based editing methods and a focus on rigorous verification and quality control.

Mark Paton, Director of Technology, at IVS 3D explains: "As ocean mapping technology continuously improves, the amount and of data collected is increasing by magnitudes. The implementation of CUBE in Fledermaus allows for the attribution of horizontal and vertical error for each collected measurement and includes interactive tools for statistical surface computation and hypothesis resolution. These tools are seamlessly combined in an intuitive environment that results in a highly efficient verification and QC process for the massive data volumes of today and tomorrow."

About IVS 3D

IVS 3D provides innovative and flexible tools for scientific 3D visualization and analysis for surveying, mapping and research. IVS 3D's products and services are available worldwide. The company's headquarters are located at 2 Garland Court, PO Box 69000, Fredericton, New Brunswick, Canada E3B 6C2 and may be contacted at: Phone: 1-506-454-4487, Fax: 1-506-453-4510, E-mail: info@ivs3d.com and on the Web: <http://www.ivs3d.com>.

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