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HYPACK Interfaces to Sonardyne Solstice Sonar

By Harold Orlinsky

A recent update to HYPACK® has been made to handle the Sonardyne Solstice swf8 file. This latest file format joins the more than two dozen third-party file formats that are supported by the HYPACK® Data Converter program.

The Sonardyne Solstice is a Multi Aperature Sonar (MAS) designed for AUV operations, with integrated sidescan and bathymetry. The bathymetry data is co-located on the same pixel grid as the sidescan imagery, and allows the user to accurately drape sidescan imagery over the bottom topography.

Options in the Data Converter allow the user to select full resolution sidescan, along with binned or full resolution swath bathymetry. The resultant output file can be processed in the 64-bit HYSWEEP® EDITOR (MBMAX64) for multibeam processing or into HYPACK® HYSCAN, for sidescan data mosaicking

The following figures show a small section processed in MBMAX and HYSCAN. The data was processed at 25cm for bathymetry (Figure 1) and 5cm for sidescan (Figure 2).

FIGURE 1. Bathymetry Processed in MBMAX, Gridded Data at 25cm

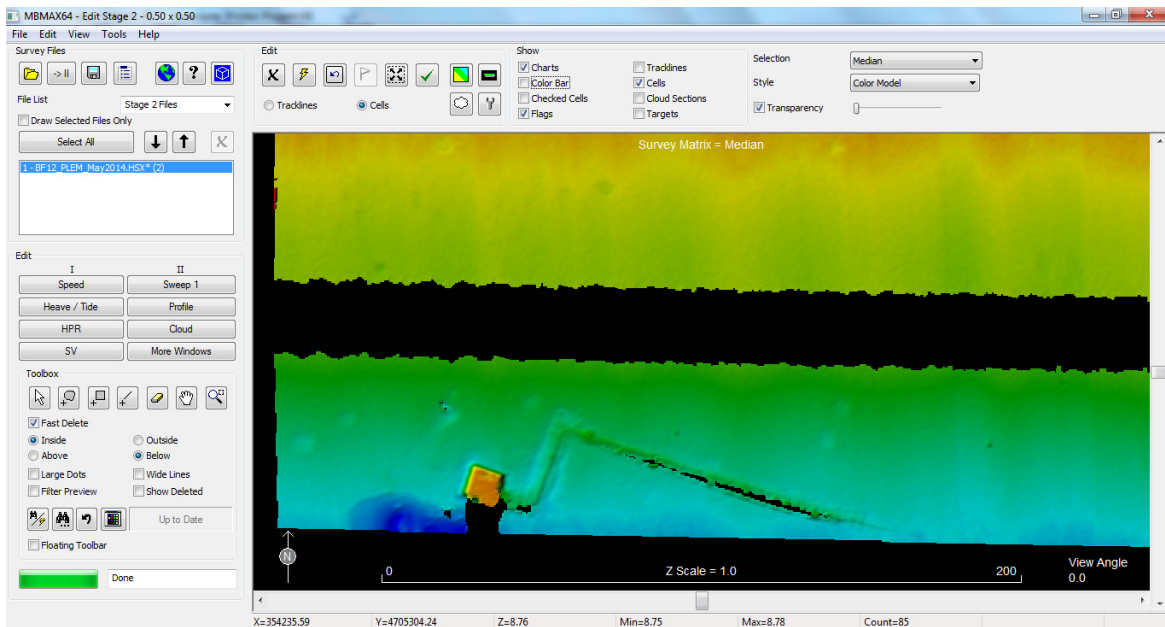


FIGURE 2. *Sidescan Mosaicked at 5cm*

