

Secondary Sensors in Sidescan Survey

by Dave Maddock

With some recent additions to HYPACK® Sidescan Survey, secondary sensors on a towfish can be viewed and, in some cases, logged.

The new changes provide display for pitch, roll, heading, pressure, and depth (with reserved space for temperature and salinity when we encounter devices with these sensors) coming from a towfish in the 'Towfish Sensors' window. If pressure is provided, we will also convert it to depth. The following drivers have been modified to read any secondary sensor information provided.

- Benthos 1624/1625
- GeoAcoustics Digital Side Scan
- C-Max CM2
- Klein 3000/5000
- Edgetech 4200

Since Side Scan Survey may now log the same type of data from more than one source (e.g. heading from the towfish sensor and towcable.dll in HYPACK® Survey), a new dialog 'Device Selections...' allows you choose which source should be used for corrections and display in the main Side Scan Survey window. Pitch, roll, and heading can be logged to HSX as the format already specifies records for such data. Pressure, salinity, and temperature are display-only.

An updated hysweep.dll in HYPACK® Hardware will read the depth information from Side Scan Survey over shared memory, providing it to HYPACK® Survey for display and to towcable.dll.

