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## Updates for WASSP Multibeam Drivers

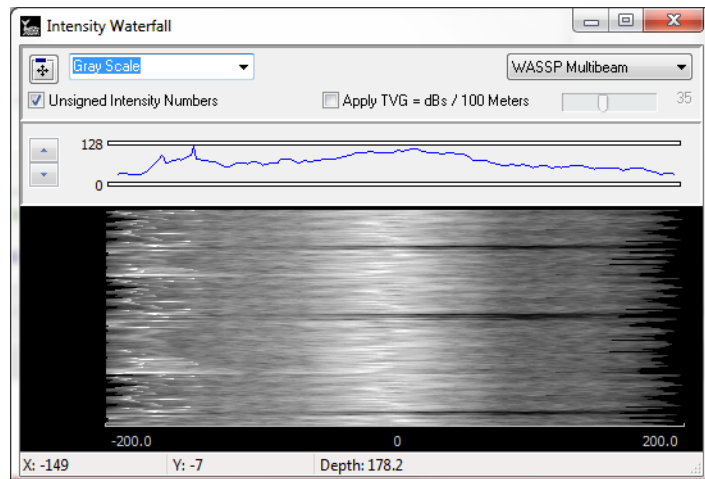
by Dave Maddock

This spring we made several enhancements to the driver support for the WASSP series of multibeam sonars in HYSWEEP®. These features require HYSWEEP® version 17.1.3 or later. A HYPACK® 2017 installation can be upgraded by downloading the latest supplemental update from the support website.

### **BACKSCATTER WITH THE WMB-3250**

HYPACK® has had driver support for the WASSP WMB-3250 multibeam over several major releases. However, a miscommunication between companies regarding the network protocol meant that the driver was not logging backscatter. This issue has been resolved and the backscatter imagery can now be displayed during collection and logged to HSX.

There is no new configuration needed for this feature, simply update your HYSWEEP® version and away you go.



### **NAVIGATION PASS-THROUGH**

One complication with configuring the WASSP drivers in HYPACK® was how to set up the GPS. Both the WASSP software and HYPACK® want direct access to the GPS data stream. This required you to split the serial output from the GPS so that it could be wired into both systems. Although this is a very reliable solution, it adds some complication and is ugly!

Since the WASSP PC includes navigation and attitude messages in the data stream to HYPACK®, we have modified our drivers to allow you to configure the HYSWEEP® module to pass the NMEA data over to the HYPACK® SURVEY module. This eliminates the need for duplicate cabling.

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To set up NMEA pass-through, click the “Setup” form for the HYSWEEP® WASSP driver in Hardware. Check the “enable NMEA pass-through” option and set your desired UDP port. Now the GPS.dll can be configured to read that UDP port rather than a COM port.

**FIGURE 1.** WASSUP Driver Setup (left) and GPS Device Connection (right)

