



HYPACK
a xylem brand

Sounding Better!

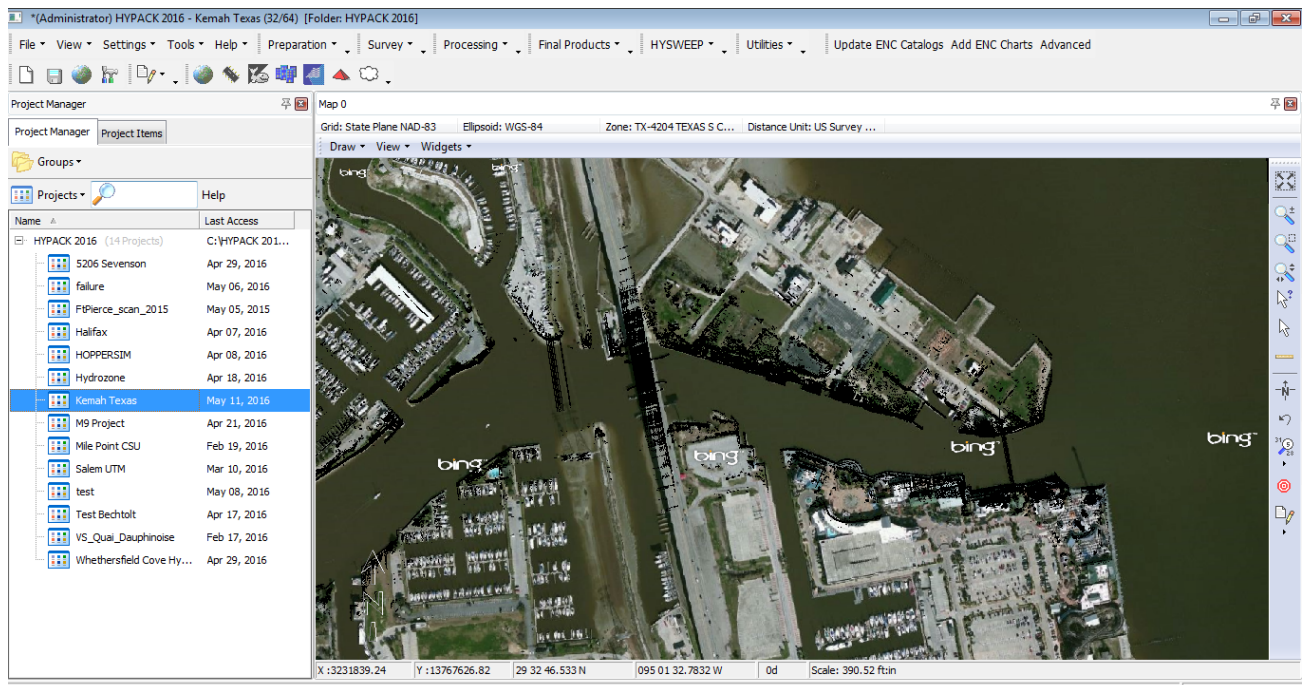
3D In Motion Demo

By Jerry Knisley

Recently, there was a demonstration of the HYPACK® software along with the Renishaw SLM and the Kongsberg 2040c sonar. The demonstration was hosted by iLinks Geosolutions on their vessel in Kemah, Texas and it went very well.

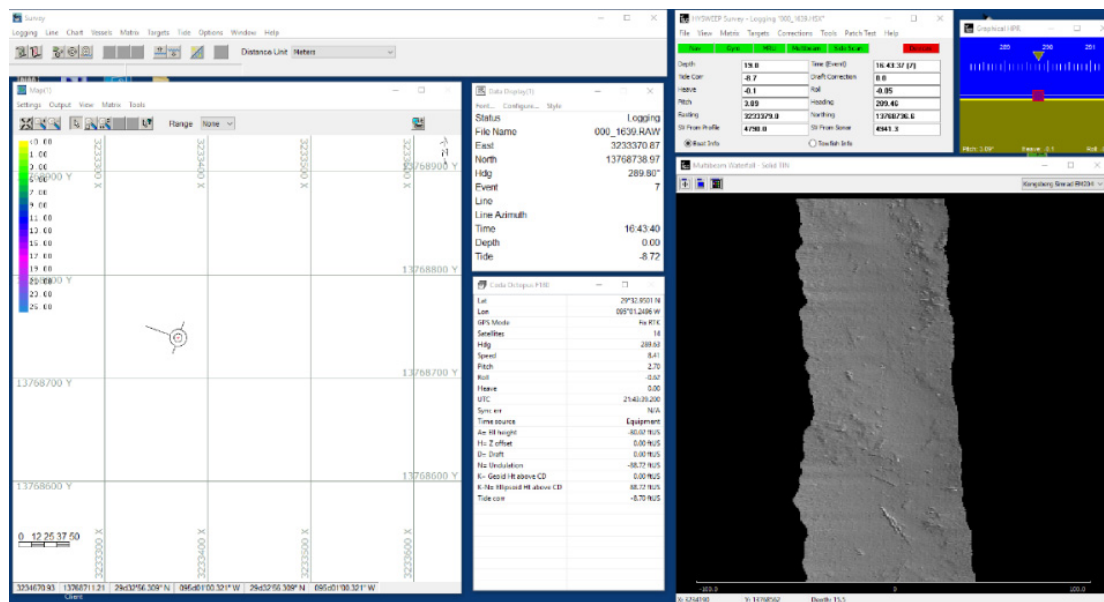
During the demonstration, the crew navigated the vessel from the marina out to the mouth of the river and back. In Figure 1, you can see the LIDAR data (black) overlaid with the aerial photos that were downloaded from the BING server.

FIGURE 1. LIDAR Data Overlaid on Aerial Photos



The sonar and LIDAR data were collected simultaneously. The Kongsberg sonar produced extremely clean data, both with the 200 KHz and 400 KHz frequencies.

FIGURE 2. Sonar and LIDAR Data Collected Simultaneously in HYPACK® SURVEY/HYSWEEP®



CONFIGURING THE KONGSBERG 2040c WHEN SIS AND HYPACK® COEXIST ON THE SAME COMPUTER

FIGURE 3. SIS Interface

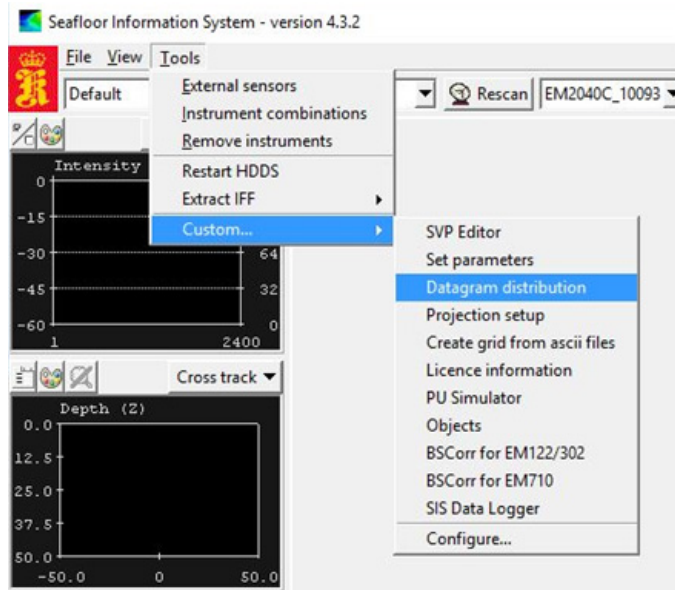


HYPACK® 2016 requires the KONGSBERG SIS software to be running to control the sonar.

If the SIS software is running on the same computer as the HYPACK® software, you must configure a data distribution to send the appropriate datagrams to HYPACK®.

Once the distribution is set up and SIS is restarted, the HYPACK®/HYSWEEP® software must be running when you press the sonar Pinging button.

FIGURE 4. Configuring a Distribution



To configure the datagram distribution, select CUSTOM-DATAGRAM DISTRIBUTION.

To add a distribution, select the datagram in the drop-down list, enter the IP Address;Port and click [Subscribe]. The subscription will appear at the bottom of the list.

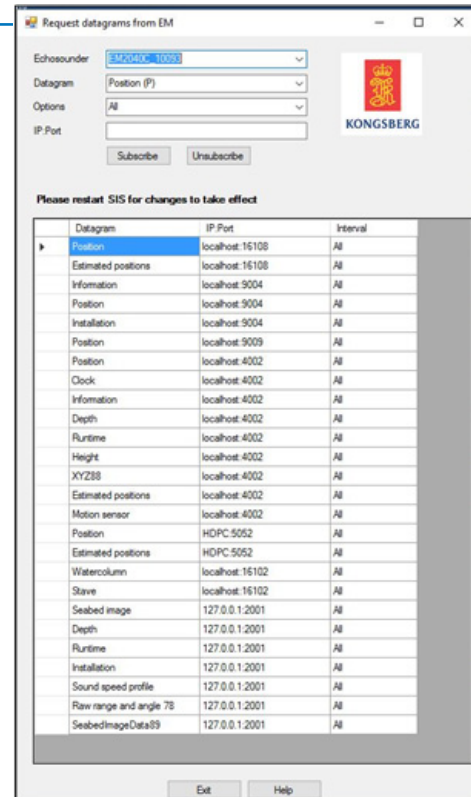


FIGURE 5. Viewing the Data in CLOUD

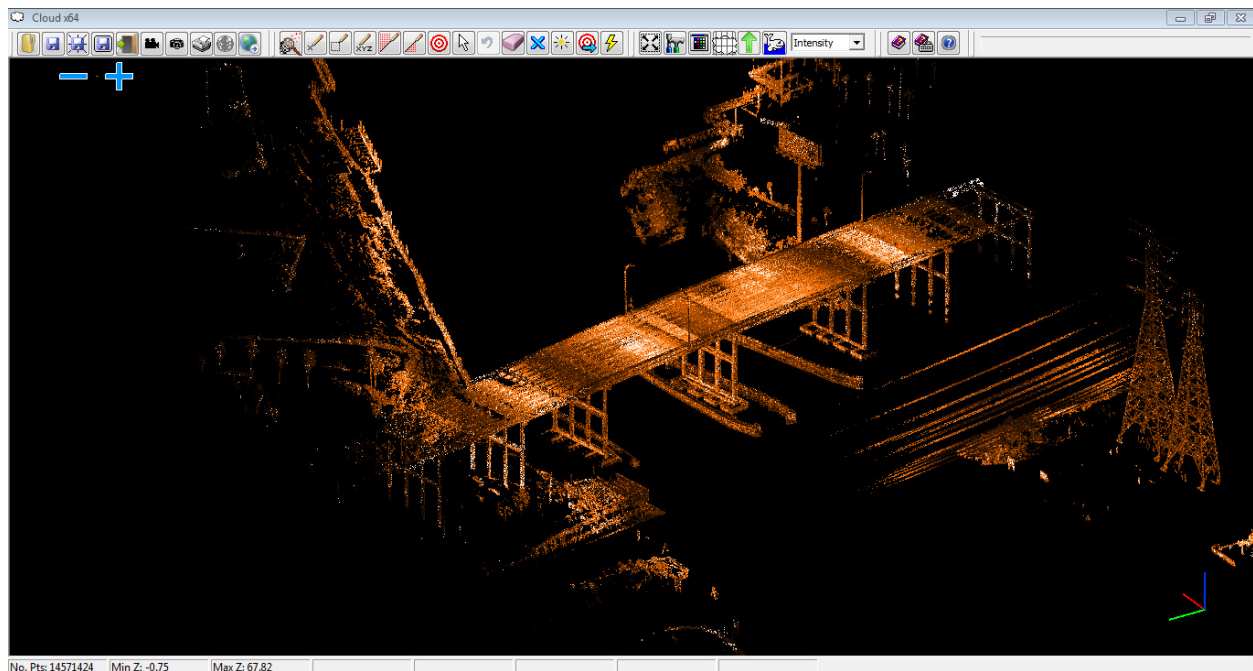


FIGURE 6. Viewing the data in REAL TIME CLOUD

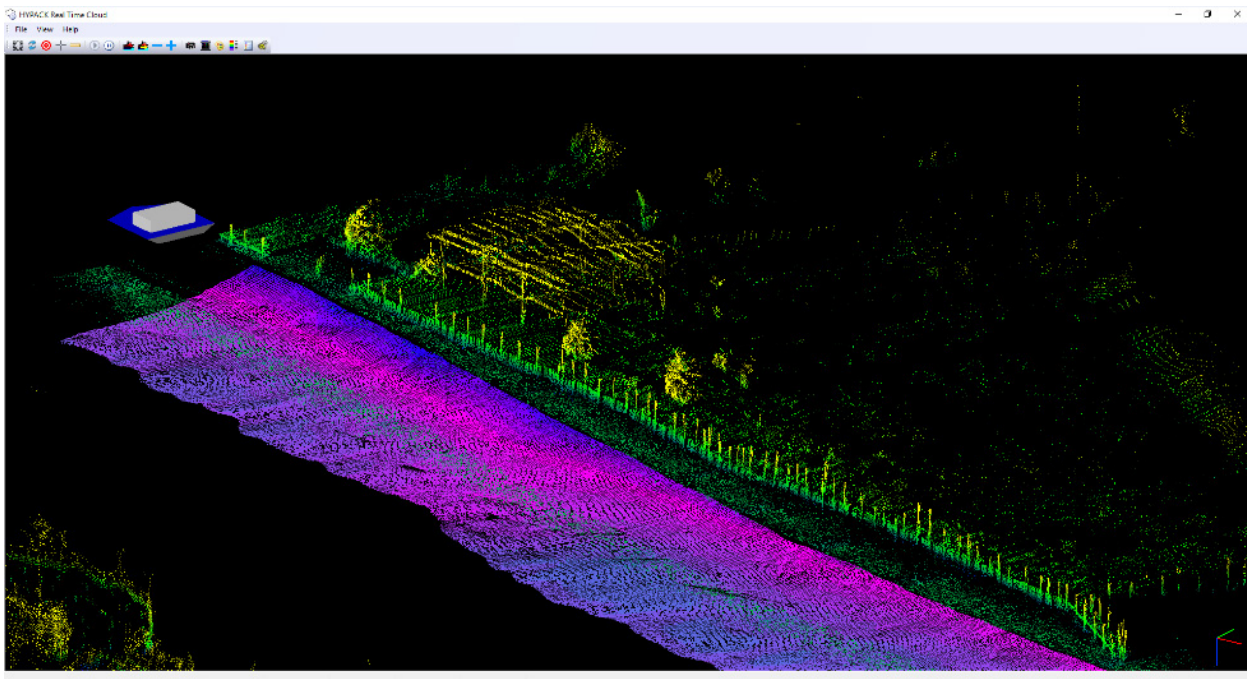


FIGURE 7. An Unexpected Find by iLinks Geosolutions

