



HYPACK
a xylem brand

Sounding Better!

Letter from the General Manager

By Harold Orlinsky

Reports. Meetings. Deadlines. Probably the three words I hear the most around here lately. We probably all get our fill of them. We try to balance them out, and try to find the best fit between perfection and timeliness. And somehow, we manage.

On a survey vessel, a similar process of work versus time seems to occur: the struggle between getting it done right and getting it done quickly. Shallow water, Special Order, and data density are the terms that we fear, as we know they demand more of our attention and time. Too many times, I have seen surveyors do their work, but, to meet a deadline, a few of the survey rules get broken along the way. Maybe it's running a sidescan at 6 kts, instead of 5kts (rationale: the side scan detection will still meet criteria), or skipping a Sound Velocity cast (rationale: the water is still and the sun is not out, so the water profile won't change).

We go through a lot of work to get a boat in operations – equipment (and software), calibration, and data processing. At the end of the day, saving a few minutes by missing a cast, may cause more trouble than the time saved.

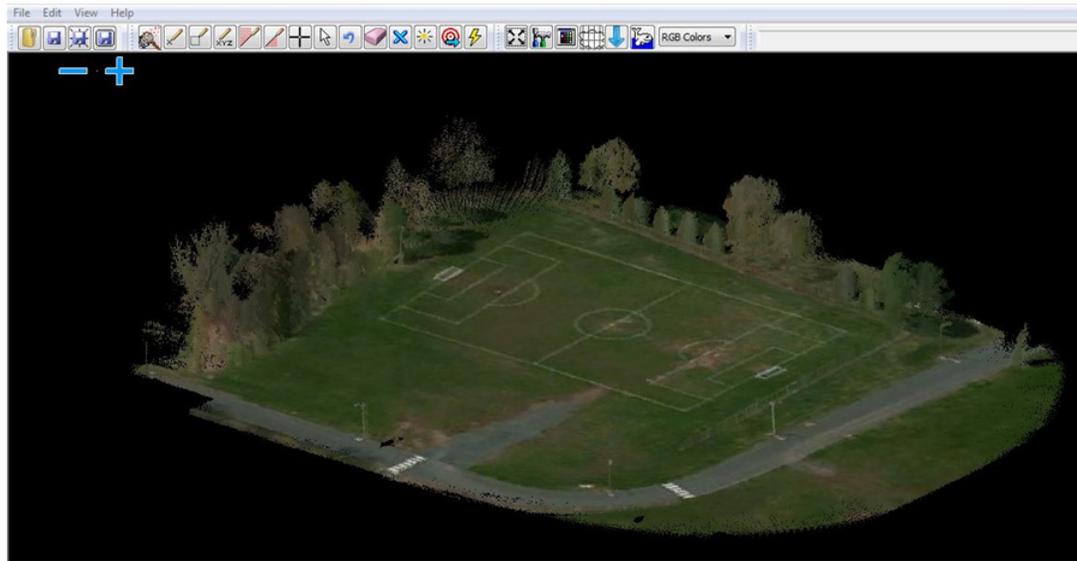
Slow down. Enjoy the day out on the boat. It will make the survey work go better.

UPDATES FROM HYPACK®

We spent the last few weeks working on our drone implementation NEXUS 800, getting the data, timing and communication in sync. Our effort into the system goes beyond just data collection and processing, as the drone is as complex as a survey vessel. And it flies too!

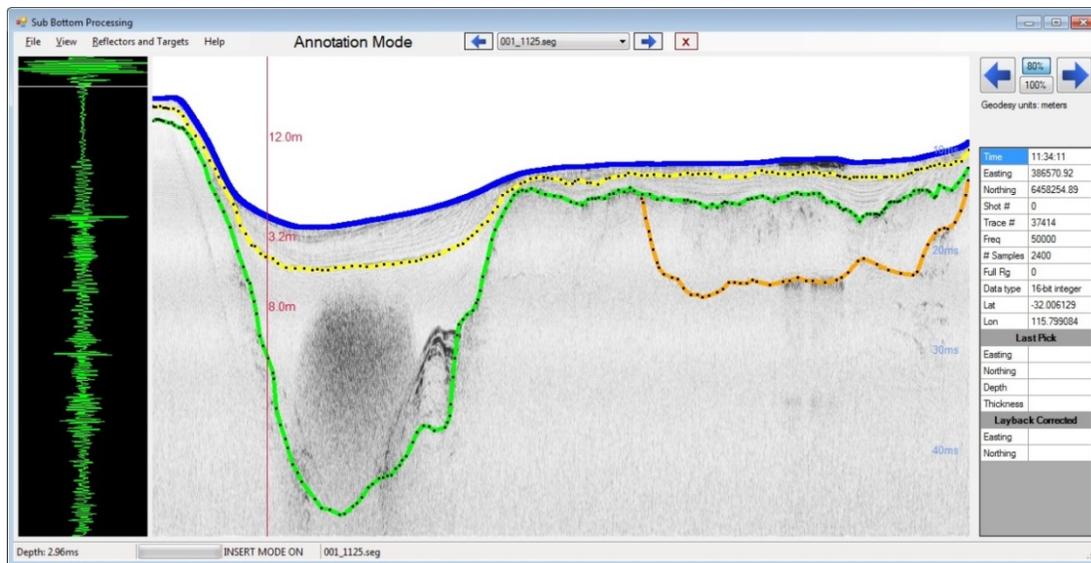
Last week, the effort paid off; our tests and verification at a local ball field shows the capability of the system and how it may enhance the work by surveyors. Data collected from the laser, overlaid on a photo image and can be exported as an HTML page for viewing. Three lines, and 4 minutes was needed for the entire data set, collecting over 5 million data points. (Just when we thought we had enough data!). You'll read about the system in this month's newsletter.

FIGURE 1. LIDAR Data Logged from the NEXUS 800



We have also released our HYPACK® SUB-BOTTOM license with the tools for data acquisition and processing for shallow seismic collection. Peter's article in the newsletter highlights some of the new features in the program. The digitizing and target view in processing provides an easy interpretation of the data

FIGURE 2. HYPACK® SUB-BOTTOM



As for me, I just returned from a HYPACK seminar hosted by ANP in Casablanca. There were 45 folks in attendance, and I was able to show off the latest programs in HYPACK® and HYSWEEP®. Last month, I had a similar number in the UK event hosted by the Xylem office in Nottingham. These are great events to attend, and we are often running two a month at locations around the world. Check out the web site for details on the upcoming seminars.

-Harold