



HYPACK Single Beam Class

By Harold Orlinsky

Earlier this month, HYPACK conducted a 2-day single beam class for 16 students in Middletown, CT. The class was designed to give an introduction to HYPACK® users, with both lectures and hands-on use of running the software. As an introduction to HYPACK® or a refresher for HYPACK® users, the class covered subjects from getting started to processing single beam data.

“Where is HYPACK® on my machine” was the class introduction to the software. The class had a chance to look inside a RAW data file, to see what really gets logged during survey operations. Presentations on geodesy, hardware and the editors, got the class ready to survey. Running simulation data, we collected single beam data, applying tides and draft in real time.

The second day was spent on data processing and final products. Sample projects, using sonar data from Odom and Ceeducer, were used to demonstrate a variety of processing techniques. Final products— TIN Model, Sounding Selection and HYPLOT— were used to present the data, to create images and plots of out sample data sets.

The class also allowed me to step back from the advanced topics we typically teach, and get back to the basics. Everyone starts at this level. And when you think about it, whether you run single beam or multibeam, the process of making a line plan is the same.

Finally, the class also had a chance to tour the HYPACK® facility, and meet the folks behind the software.

Next February, I plan to hold another class in San Diego. It'll get the folks on the west coast a chance to sit in on the class. Or could it be that it's winter time here and I'll be ready for some warmer weather.