

Analysis of Oceanographic Metadata from Seismic Surveys

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ABSTRACT: Analysis of oceanographic metadata from seismic surveys provides a valuable opportunity to monitor the physical oceanographic environment and its variability. The Acoustic Doppler Current Profiler (ADCP) data this project reviews stems from one such seismic survey from the NE Grand Banks over a 5 week period.. The instrument is a 75 kHz ADCP, but configured to sample in 1 meter depth cells. This configuration complicates the analysis but permits recovery of near surface water velocities by averaging available data. Final data are sorted by space and time intervals and then corrected for tidal content. Data quality are evaluated by determining the degree to which water velocities are dependent on ship speed and direction; the seismic survey track is ideal for this analysis because of the many regular course changes and closely spaced tracks. Final data are sorted by space and time intervals and then corrected for tidal content.

ALL ARE WELCOME!!!