

Continuous Acquisition Mode

Polarcus Geophysical Toolbox : Continuous recording of seismic data

Purpose

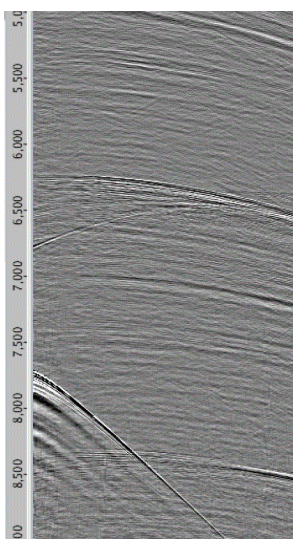
To allow optimization of shot interval, vessel speed and record length. All vessels in the Polarcus fleet are equipped with Seal 428 recording systems enabling data to be recorded continuously. This continuous recording technology records the data in five-second segments which can then be concentrated into any record length to meet the client's geophysical objectives.

Benefits

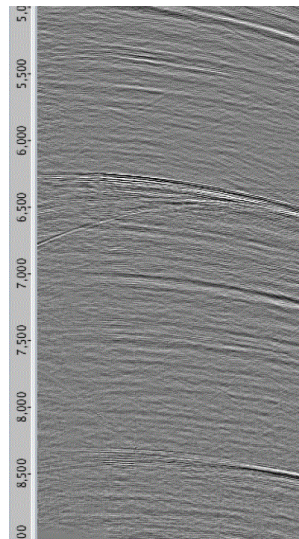
- The shot point interval can be reduced to increase in-line shot density
- Allows the shotpoint interval to be independent of vessel speed and record length
- Enables deeper events to be imaged with longer record lengths, particularly useful in deep water programs where the top of each seismic record is ambient noise, not containing any seismic data
- The vessel speed can be increased which means the acquisition program can be completed in a shorter time, providing cost and time savings

Field Example

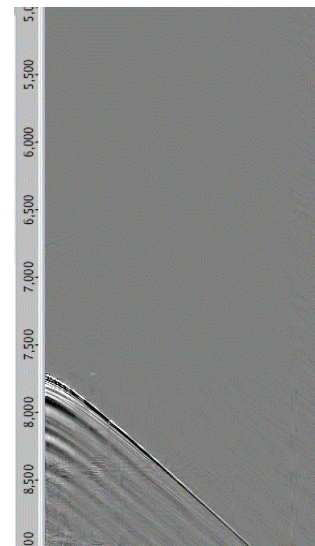
Below is an example from a Polarcus survey where our processing partner, DownUnder GeoSolutions (DUG), has used an onboard denoise flow to remove the direct arrivals of the overlapping shot point.



Shot before direct arrival removal



Shot after direct arrival removal



Difference plot

Impact on EHSQ

Polarcus' geophysical initiatives contribute to our Green Agenda by minimizing the time our vessels must spend on location to acquire high quality surveys in a safe and efficient manner. This optimization of survey time reduces the global environmental footprint of our operations and minimizes the exposure of our crews in the remote regions of the world where our vessels are designed to operate.