

Sparse Seismic Acquisition and Accelerated Onboard Broadband Processing - Chinlone 3D, Setting a Benchmark in Marine Seismic Capabilities

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ABSTRACT

During 2016 the processing of two seismic projects were completed onboard the MV Polarcus Amani, one in the Andaman Sea and one in the Bay of Bengal. It was to be a campaign of firsts: first time Shell had surveyed their Myanmar acreage, first time a spread of nearly 18 km² had ever been towed and the first time for Polarcus to pre-stack migrate more than 12,000 km² of data onboard. From the start of the project Shell Myanmar had set ambitious objectives - to deliver high quality broadband 3D seismic PreSTM volumes for their 2015-2016 offshore Myanmar surveys within a very tight time frame. During the onboard processing of the Shell Myanmar 2015-2016 campaign data, workflows were developed that are now standard application in the Polarcus onboard priority processing sequence. The timely delivery of high-quality volumes from the vessel was made possible by the dedication, integration and team effort of all involved.