

A Re-Evaluation of Vintage Andaman Offshore Seismic Datasets, by Spectrum Geo Ltd.

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This paper is based on the recent reprocessing and interpretation of approximately 10,600 line kilometres of reprocessed 2D offshore seismic data extending across an area of some 245,000 square kilometres of the Indian waters of the Andaman Sea; an area defined on the USGS worldwide basins map as part of the Andaman Sea Basin.

The Andaman Sea lies to the southeast of the Bay of Bengal and forms part of an Island Arc System which extends 1200 Km from Myanmar in the North to Indonesia in the South.

The seismic data used is from five different surveys of 1982 to 2001 vintage and was reprocessed by Spectrum Geo Ltd in 2009/10 under an agreement with Directorate General of Hydrocarbons (DGH) India. The seismic dataset extends over the fore-arc basin, volcanic arc and back-arc basin areas of the Andaman Sea Basin, east of the emergent islands.