

Tectonics of Central Indian Ridge - the first report of Magofond2 cruise

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In October and November 1998, we conducted geophysical survey at the Central Indian Ridge (CIR) by N/O Marion Dufresne. Magnetic (DTPM, SPM, STCM), gravity, and bathymetric data were collected. We discovered seamounts to the CIR axis in the vicinity of the Rodrigues Ridge. The observations suggest that hotspot-ridge interaction is still active in this area. We also investigated the CIR to reveal the tectonics during the period when the spreading direction had drastically changed.