

Microearthquakes at slow spreading ridges: The Gulf of Aden, 49 East.

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We present the result of a microearthquake experiment conducted at the along axis of the slow spreading ridge segment near 49E on the Gulf of Aden. We observed passive and active sources using 10 Ocean Bottom Seismometers (OBSs) and got 20 days continuous seismic records. These included many earthquakes. We can determine about 100 hypocenters a day. The seismic activities concentrated on the segment center and boundary zones of each segment. The former is concentrated on a small zone. The latter, on the contrary, is existed on wide zones. This feature may be a characteristic of slow spreading ridges.