Seismicity of the Southwest Indian Ridge (64 deg E)

Tomoaki Yamada [1], Toshihiko Kanazawa [2], Kensaku Tamaki [3], Hiromi Fujimoto [4], Yukihito Osada [5], Tetsuya Takeda [6], Shigeki Nakagawa [7]

[1] E. R. I., Unv. of Tokyo, [2] ERI, Tokyo Univ, [3] ORI,Univ of Tokyo, [4] Ocean Res. Inst., Univ. of Tokyo, [5] ORI, Univ. Tokyo, [6] ERI, Univ. Tokyo, [7] ERI, Univ. of Tokyo

Two months seismic observation were conducted at the end of 1997 in and around the Southwest Indian Ridge (64 deg E) . According to this observation, this area has very high seismicity and epicenters were concentrated on the segment center. The limitation of focal depth is deeper than other mid-ocean ridges like MAR 29 deg N (Wolfe et al., 1995). The reason may be anomalous temperature under this region.