

## OHP Network Seafloor Borehole Observatory - Japan Trench

# Kiyoshi Suyehiro [1], Eiichiro Araki [2], Masanao Shinohara [3], Ryota Hino [4], Selwyn Sacks [5], Alan Linde [5], Toshihiko Kanazawa [6]

[1] ORI, U. Tokyo, [2] ORI,U-Tokyo, [3] Dept. Earth Sciences, Fac. Sci., Chiba Univ., [4] RCPEV, Tohoku Univ., [5] DTM, CIW, [6] ERI, Tokyo Univ

In order to provide quantitative constraints to understanding the seismogenesis and plate motion/deformation at subduction zones, the first and second seafloor borehole stations of Ocean Hemisphere Project will be installed during the Ocean Drilling Program Leg 186 (June-Aug, 1999). A prototype system was successfully installed on land in Aug 98. Borehole sites are located about 1 km below

the seafloor at seismically active (39-deg 11-min N) and aseismic (38-deg 40-min) along 143-deg 20-min E longitude. Two broadband seismometers, a 3-component (volumetric) strainmeter, and a tiltmeter will be installed. About a year-long continuous data are to be stored on the seafloor using about >10 W power.