

Introduction of geophysical data base at IFREE/DC and its publication site

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Crustal study is often progressed by database that is well arranged and is so easy to handle. Japan Marine Science and Technology Center has been conducting marine geophysical experiments using ocean bottom seismometers (OBS), multi-channel seismic (MCS) reflection system, a gravity meter and a shipboard three component magnetometer, in order to investigate tectonic structures and reveal a causal relationship between occurrence of the interplate earthquakes and the structures. Resultant seismic data and geophysical data are processed for crustal studies conducted in Institute for Frontier Research on Earth Evolution (IFREE), and the data processed are being arranged and accumulated in an internal database at Center for Data and Sample Analyses (DC). These data, well-arranged and being easy to handle, are very useful not only for the structural interpretation but also for a model-building in numerical simulation. Now we are trying to create a publication site, first targeting some of the velocity structural models obtained from OBS data analyses and the MCS profiles after a series of time-series processing. In this time, we would like to introduce an outline of a prototype of the publication site.