

Introduction of Kochi core center -continuous measurement of physical property of fault-related core sample-

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The objective of the Center for Advanced Marine Core Research (CMCR) is to analyze core samples using a multidisciplinary approach, in order to understand seismogenesis along plate-boundary, to know changes in the Earth's environment and to assess the potential resources within deep sea sediments. The Center has many analytical instruments and huge repositories for core samples, and the only place in Asia where such a comprehensive suite of analyses can be conducted. We joined the Taiwan Chelungpu-fault Drilling Project (TCDP) in order to understand the faulting mechanism of the 1999 Chi-Chi Earthquake in Taiwan. We will conduct continuous, nondestructive physical property measurements for the Hole-B core samples. The items will be medical X-ray CT, MSCL (P-wave, Natural Gamma ray, density, resistivity, magnetic susceptibility), photo logger, XRF core logger. In this presentation, we will show the preliminary results.

