

Trace element and Sr-Pb isotope compositions of core samples of the megaspray fault recovered from IODP Exp316

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Core samples recovered from a megaspray fault zone observed in IODP Exp.316 were analyzed for trace elements and Sr and Pb isotopes. The samples include a thin black fault material as well as relatively undamaged sediments. No clear trace element and isotope variations are observed between these samples. Co-seismic high-temperature fluid-rock interactions within fault zones, which have been reported for Taiwan Chelungpu fault, are not detected for the samples analyzed.