

Recent technology of ODP Logging Services and application for earth sciences

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ODP Logging Services have provided many kind of special tools as well as standard tools depend on the specific scientific purposes of each leg. Large diameter tools such as FMI and MDT (permeability measurements and pore water sampling) can be deployed in the riser drilling platform. Logging-while-drilling technology may be deployed in gas hydrate areas as well as accretionary prisms. In FY2000, we can use LWD sonic, LWD resistivity image, and real-time data transmission technique (MWD). LWD/MWD is also important for the construction of borehole observatory because it can detect interested zone (ex. fault) while drilling and can drill better hole for observatory.