

## Development status of the laboratory area on D/V CHIKYU

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Riser drilling vessel CHIKYU was delivered from shipyard at 29th July 2005. Laboratory area of CHIKYU were also started its set up and system development at the same time. During later half of JFY 2005, we have continued to conduct set up the laboratory and system integration of each component of the laboratory. Then we had an opportunity to test actual performance of the laboratory area on CHIKYU in accordance with a system integration test (SIT) of the ship for piston coring using hydraulic piston coring system (HPCS) for middles of November and December. Therefore, we could evaluate actual performance of the laboratory and find out many issues for future task. In this presentation, based on the result of coring operation SIT, the actual performance of the laboratory area on CHIKYU and a result of data evaluation for some instruments are reported, and some important issues to improve the lab. performance are also discussed.