

## Ocean bottom gravimetry in Sagami Bay and recovery of the gravimeter with the ROV "Hyper-Dolphin"

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We tried Ocean bottom gravimetry on a seafloor benchmark deployed in the central part of Sagami Bay. The gravimeter itself worked well, but there were two problems. We found that the operation was difficult for the submersible "Shinkai 2000" but easy for the ROV "Hyper-Dolphin" used for recovery of the gravimeter. The acoustic releaser responded to the release commands but would not work. We recognized later that the problem was in the additional part which had been fastened too much against the blows of surface waves. We could not detect the problem because the mechanism was tested in a pool and on the deck in somewhat different condition. Because most of troubles result from unexpected problems, we should take care to reduce such problems.