Ocean Current Prediction for Deep-Sea Scientific Drilling Vessel CHIKYU

*Toru Miyama¹, Yasumasa Miyazawa¹, Sergey M. Varlamov¹, Kan Aoike², Susuke Machida³, Hiromichi Soejima³, Keiko Fujino³

1. Japan Agency for Marine-Earth Science and Technology, Application Laboratory, 2. Japan Agency for Marine-Earth Science and Technology, Center for Deep Earth Exploration, 3. Nippon Marine Enterprises, Ltd.

We conducted predictions of the ocean currents during 3 cruises of the Deep-Sea Scientific Drilling Vessel CHIKYU in 2016. In this presentation, we discuss the ocean situations during the cruises, potentials of the CHIKYU as an observation platform, and the current skills and future developments of the ocean current predictions.

Keywords: ocean current prediction, Chikyu, Kuroshio