## Meteorological Observations at Shionomisaki in cooperation with "Chikyu", Shinsei-maru and Seisui-maru

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Off Kii Peninsula, DONET is distributed to monitor earthquake and tsunami at seafloor in real time. Because observed pressure change at seafloor includes atmospheric and oceanic oscillation as well as crustal deformation, it is important to observe atmosphere and ocean over DONET. On the other hand, Kuroshio affects atmosphere due to heat and moisture fluxes. To observe atmosphere and ocean processes around Kuroshio, meteorological observations at Shionomisaki Wind Effect Laboratory have been conducted in parallel with "Chikyu", Shinsei-maru, Seisui-maru during 11-20 October (Obs1), 5-9 November (Obs2) and 12-16 November (Obs 3) in 2018. Through the observation period, upper-air observation using GPS sonde has been conducted twice a day at 03 JST and 15 JST. In addition, atmospheric boundary layer has been observed using a drone, a doppler lidar and pilot barons.

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