

Evaluation of sea surface dynamic height with new marine geoid model and TOPEX/POSEIDON altimeter data

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We estimated the precision of newly constructed geoid model of Hydrographic and oceanographic department, Japan Coast Guard. We obtained sea surface dynamic height (SSDH) by using above geoid model and sea surface height measured by TOPEX/POSEIDON and calculated geostrophic current. We then compared it with shipborne ADCP current data.

We also compared and estimated the precision of SSDH with the SSDH calculated from shipborne CTD data that was observed at the same location and time as T/P observation.