Oceanography Seminar

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“Long-term variation of Subtropical Mode Water subduction and its physical and biogeochemical impacts revealed by 50-year long observations along 137°E”

The Japan Meteorological Agency has maintained a repeat hydrographic section across the 137°E meridian in the western North Pacific since 1967. The publicly available data from the section have been widely used to reveal seasonal to decadal variations and long-term changes of currents and water masses, biogeochemical and biological properties, and marine pollutants in relation to climate variability such as the ENSO and the PDO. After introducing the history, observation, and representative achievements of this section, I will present two research topics of mine related to the Subtropical Mode Water (STMW): (1) Decadal variability of STMW subduction and its impact on biogeochemistry and (2) Long-term change and variation of salinity in the western North Pacific subtropical gyre.

Thursday August 29th, 2019 3:00p.m. MSB 114