

## THE IN SITU DEEP MEASUREMENTS DATA CORRECTION FOR SEA BIRD CTD-UNITS IN THE JAPAN SEA

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### ABSTRACT

The results analyzed in the paper is obtained by the authors during their marine expeditions to the Japan Sea during the 2012-2014. We demonstrate a modern opportunities to obtain high accuracy data on vertical distribution of oceanographic parameters (temperature, salinity, oxygen parameters) in the water basin with stable homogeneous characteristics during CTD profiling. The high accuracy of these parameters is necessary for assessment of climate changes in the Japan Sea and World Ocean. Each measured parameter can be corrected dependently from the sensor type and its individual peculiarities. The considered type of sensors are SBE3plus (temperature), SBE4C (conductivity-salinity), SBE43 and RINKOIII (oxygen).

**Keywords:** Japan Sea, SEA BIRD CTD-UNITS, correction of temperature, correction of oxygen content, of salinity.

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