

## **Data Dictionary for oxygen data collected from winkler titrations performed on water samples and calibrated sensor measurements**

Station\_ID – site location ID

time – time on station

- Year.UTC
- Month.UTC
- Day.UTC
- Hour.UTC
- Minute.UTC

Latitude – unit: degrees north – latitude of station

Longitude – unit: degrees east – longitude of station

Cast\_number – identification of instrumented data collection profile at station

Sample\_ID – identification of oxygen water sample bottle

CTDPRES – unit: dbar – measured pressure at the time of water sample collection

CTDPRES\_FLAG – unit: integer – quality control flag, only use data when flag is equal to 2

CTDTEMP – unit: degree C - measured water temperature at the time of water sample collection

CTDTEMP\_FLAG – unit: integer – quality control flag, only use data when flag is equal to 2

CTDSAL – unit: practical salinity units - measured salinity at the time of water sample collection

CTDSAL\_FLAG – unit: integer – quality control flag, only use data when flag is equal to 2

CTDOXY – unit: umol/kg – measured oxygen concentration from an oxygen sensor at the time of water sample collection

CTDOXY\_FLAG – unit: integer - quality control flag, only use data when flag is equal to 2

Oxygen – unit: umol/kg - measured oxygen concentration by winkler titration of water sample

Oxygen\_FLAG – unit: integer - quality control flag, only use data when flag is equal to 2

best\_Oxygen – unit: umol/kg – a combination of the Oxygen and CTDOXY columns, when Oxygen data is available that is reported, if it is not available CTDOXY is reported

best\_Oxygen\_FLAG – unit: integer – quality control flag, only use data when flag is equal to 2

Note:

- -999 is used as a missing data value
- It is recommended that the variable “best\_Oxygen” be used for any comparisons with glider data. These values represent the best quality validation data available.