

Date: 7/30-7/31/2018

Ocean Research Project Inc. 501c3

Vessel: Sailing Vessel Toboggan

Field Scientist: Nicole Trenholm

Survey Team: Matt Rutherford, Garrett Gonacola

& Kyle Sharp

Region: Western Greenland

**Disko Bay CTD Survey 2018**

**CTD:** RBR Concerto – Rated 6000m

Sampling Rate: 1 hz

Overall Line Length: 815.34 m

Last Calibration date:

2017-02-27 12:21:08 Conductivity 37.939092E-03 184.43838E+00

2017-02-06 10:07:00 Temperature 3.3704670E-03 -254.32219E-06 2.2923280E-06 -104.87992E-09

2017-02-21 15:35:01 Pressure -18.188140E+00 10.487518E+03 -210.83715E+00 58.105340E+00

**Deliverables:**

- CTD raw files with metadata (.xlsx) - 14 files (time is UTC, filename in local time, and depth in m)
- CTD Acquisition Log (.xlsx) – 1 file
- Google Earth- (kml/kmz) – 2 files

**Project Description:**

CTD casts were conducted at recommended locations throughout Disko Bay to a depth reflecting OMG guidance and charted depths. Warm water trends were present on average starting around 300m. Drift at CTD stations did not exceed 1.1 knots and CTD locations were corrected to a midpoint between the CTD start and end location. The majority of the survey was accomplished in heavy fog and a sea state of 0.5-1 feet.