Title: DBO_DY2014

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Data Questions:
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Data Set Overview:
September 25, 2014 through September 26, 2014
Latitude: 62.009 – 63.603 North
Longitude: 172.590 – 175.208 West
http://www.afsc.noaa.gov/ABL/EMA/EMA_default.php

Instrument:
Seabird Electronics 9-11 CTD equipped with auxillary sensors (Wetlabs fluorometer, NTU turbidity, Oxygen, Biospherical PAR,

Data Collection and Processing:
Data was collected at oceanographic DBO stations using a CTD and carousel with Niskin bottle rosette. Water samples were collected for Salinity, Oxygen and Chlorophyll a analysis and the resulting data was used to corrected for any inline instrument drift. Raw data was processed using downcast files and binned to 1m increments, correcting for any ship heave. Data is checked for any obvious errors and values that are 'out of reasonable range'.

Data Format:
Data is submitted in CSV format
StationID –internal station naming (year (4 digits), ship code (2 digits), cruiseID (2 digits), station number (3 digits) and event number (2 digits).
Year- Year during which samples were collected
DateTime- in UTC
StationNumber- consecutive through survey for each time the ship stops and gear enters the water
LatitudeStart-Latitude in Decimal Degrees
LongitudeStart-Longitude in Decimal Degrees
Bottom Depth- Depth of water column in meters
Pressure- in DB
Depth – of CTD in meters

Primary and Secondary Salinity- in PSU

Primary and Secondary Temperature- in degrees C

Chlorophyll A – in mg/ml

PARIrradiance – in microEinsteins

Primary and Secondary OxygenSat- percent saturation

Primary and Secondary Oxygenumol –umol/kg

SigmaTheta – kg/m3 derived

NTU Turbitidy - Nephelometric Turbidity Units (NTUs)

Comments – notable remarks about cast

Data Remarks:

References: