

DBO Physical Oceanography Breakout Group- Day 2

Discussion of available data sets with specific questions related to data collection, needs, standardization of data collection, gaps, etc.

- Cooper, Williams, Holman, Frey, Woodgate, Vagle, Whitledge, Pickart, Kikuchi, Nishino, Bailey (notes)
- Physical data
 - Quick turn around for raw data (AON data flagged before post cal; color coding)
 - Second round of data after lab post-calibration (updating data sets later)
- Data Set Submission
 - Portal (FTP site) for data?
 - Submit data to EOL and the system can let you know if updated
- Time Scales for Data Submission
 - Days (while underway)
 - Months (when back from cruise)
 - Year (after processing)

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- Data types (physical & chemical)
 - CTD, ACDP, sensor data (housed at local locations moved to EOL at end of CY)
 - Bottle Data (salinity, etc.) update above when ready
 - Wet chemistry data (nutrients, chl-*a*, etc.) submitted when ready
 - Consider the matrix aspect of different data sets (CDOM, spectral); offer products and raw data on request
- Quick Submission Data
 - CTD, ACDP, sensor and meteorological (collected on the ship)
 - FTP and Email
- What data sets will be submitted year to year in the DBO?
 - Participants
 - Ships
 - Data being collected
 - Table of DBO data collections (in Jackie's head), move to NOAA DBO project sites
- Ships/Cruises
 - Place this information on AOOS website?
 - Coordinate with Arctic Icebreaker committee (Lee)

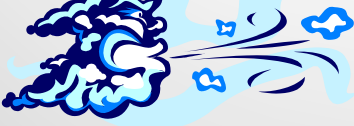
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- List of contacts for each entity involved in DBO activities
 - Get this list on the NOAA DBO project website
- Data submission (CTD)
 - Need metadata for probe information
 - Have a checkbox/prompt when you submit
 - Instrument/sensor model numbers, methods, etc.
 - Bottle files (.btl)
 - Discussion about where to find the CTD data needed for bottle data (chemical)
 - Add analyzed chemical data to bottle file

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- Publication Plans
- DB05 (6 occupations in 2010)
 - ICESCAPE (Healy)
 - C30 (SWL)
 - China (Xuelong)
 - ANNIKA MARIE
 - Japan (Mirai)
 - AON (Healy)
- Topics
 - Winter water NO₃
 - NO₃ sources (new and recycled), Barrow Canyon story (manuscript?)
 - Physics, water mass transport, heat fluxes (one manuscript)
 - PO₄
 - Remineralization
 - O18 (C30 & ICESCAPE)
 - Freshwater fluxes
 - Older occupations of DBO stations (time series)
 - Compare SBI and DBO results (time series)
- Journals
 - JGR then if exciting go for Science or Nature
 - Get the word out (DBO is news worthy)
 - International coordinated effort
 - EOS (front page)

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- 3 manuscripts
 - Physics (JGR) 
 - Interdisciplinary paper (JGR, water transformations, biological processes)
 - Newsy (front page EOS) about the DBO



- “Timetable”
 - Physics paper (summer 2013)
 - Interdisciplinary JGR (winter 2014)
 - Newsy paper (Jackie and Sue?); quick turn around
 - Oceanography
 - International authorship
- Other products/outlets (longer time table)
 - Ocean Sciences special DBO session
 - Special journal issue (DSR2, Progress in Oceanography)
- How to pay for analysis and publication efforts?