End-user utility of BGC-Argo files and how far does BGC-Argo go down the processing chain (L0->L1->L2->L3)

Henry Bittig, Josh Plant, et al.

BGC-Argo, 18th ADMT, Hamburg
Where does Biogeochemical-Argo stand?

How does BGC-Argo compare to other programs with BGC observations (from a user perspective)?

- VOS / surface underway
- Satellite remote sensing
- CLIVAR / GO-SHIP / repeat hydrography
- BGC-Argo
- (repeated) glider observations
Processing levels

Level 0: “raw data”
  a) unprocessed instrument data at full resolution
  b) data in physical units either directly provided by the instruments or converted from engineer units (e.g. mV, mA, W) to physical units at the TC. They may have been filtered by a quality check (e.g. thresholds).

Level 1: “calibrated data”
  a) instrument data processed to sensor units and time/space referenced
  b) automatically quality checked and calibrated data; basis for NRT data

Level 2: “QC’ed data”
  a) derived geophysical variables at the same resolution and location as level 1
  b) final quality checked ICOS RI data set

Level 3: “transformed data”
  a) variables mapped on uniform space-time grid scales
  b) all kinds of elaborated products by scientific communities

Sources: (a) Satellite community; (b) Integrated Carbon Obs. System.
What's available? By whom?

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<th>Ocean Colour</th>
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OceanColor Web is supported by the Ocean Biology Processing Group (OBPG) at NASA's Goddard Space Flight Center. This project is managed by the Ocean Biology Processing Group (OBPG) at NASA's Goddard Space Flight Center. It is funded by the Ocean Biology Processing Group (OBPG) at NASA's Goddard Space Flight Center. The Ocean Color Data Set is maintained by the Ocean Biology Processing Group (OBPG) at NASA's Goddard Space Flight Center. The Ocean Color Data Set is maintained by the Ocean Biology Processing Group (OBPG) at NASA's Goddard Space Flight Center. The Ocean Color Data Set is maintained by the Ocean Biology Processing Group (OBPG) at NASA's Goddard Space Flight Center. The Ocean Color Data Set is maintained by the Ocean Biology Processing Group (OBPG) at NASA's Goddard Space Flight Center. The Ocean Color Data Set is maintained by the Ocean Biology Processing Group (OBPG) at NASA's Goddard Space Flight Center.
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**CLIVAR Repeat Section**

**DATA SET NAME**

- A16N_2013, Leg 1 and Leg 2; EXPOCODE 33R020130803
- A16N_2011; EXPOCODE 74D20110715
- CAIBOX_2009; EXPOCODE 29AH20090725

**Version 2**

*Make sure to cite Gv2 correctly, click here!*

A uniformly calibrated open ocean data product on inorganic carbon and carbon-relevant variables

- GLODAPv2 Data Products
- NDP-093: Global Ocean Data Analysis Project, Version 2 (GLODAPv2)
- GLODAPv2 Cruise Summary Table (CST) and Original Cruise Data
- GLODAPv2 Recommended Adjustments Table (GEOMAR)
- W.A.V.E.S.; GLODAPv2 Database Search
- GLODAPv2 ODV Collection Bottle Data
- The GLODAPv2 Group
- GLODAPv2 Publications
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### What is our vision for BGC-Argo:

- What processing should be provided to BGC-Argo users?
- What is/can be done by the DACs, what by the GDACs, what elsewhere?
- Are there the resources (human/funding)? How to (re-) organize?