
Project Manager: Brian Schlining

900034 - Core Mooring Data - MDUC



1) Abstract

This MDUC project provides for the institutional support of “core” data from MBARI moorings.

The primary elements of this project are:

- Maintenance and minor development of software used for the processing and archiving of mooring data.
- Data processing and validation by Fred Bahr at the Naval Postgraduate School.
- Data archiving and dissemination through the mooring database.
- Data validation through Science data “champion”.

2) Proposal

A subset of mooring data (surface CTD, T-string, meteorological, GPS, ADCP, and pCO₂ data) have been designated as core data streams, which means that support for the collection, processing, and archiving of the data is provided on an institutional basis rather than through individual projects or divisional budgets.

Brian Schlining will manage this project, and the MDUC Chair (David Caress) will serve as lead scientist.

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The core mooring data team includes:

- Brian Schlining (Science)
- Fred Bahr (NPS)
- Francisco Chavez (Data Champion, Science)
- David Caress (MDUC, Science)

This is a newly approved core data stream. The project budget will include a subcontract to Fred Bahr of NPS to continue his data processing and validation effort.

Data dissemination of the core mooring data will be done as part of MOOS data management. IAG time is included in this budget for software support, development, and to assist with fitting the core mooring data into the larger MOOS data management scheme.

3) Budget

The 2001 budget includes the following:

- 5 days for data validation by Francisco Chavez.
- 20 days for data validation, pCO₂ data processing, and software support by Brian Schlining.
- 1 day IS support for maintenance of storage disk space.
- 15 days IAG support . IAG time is included in this budget for software support, development, and to assist with fitting the core mooring data into the larger MOOS data management scheme.
- \$12,000 for a subcontract to NPS for Fred Bahr's time to perform quality control on the surface CTD, t-string, meteorological, GPS and ADCP data sets.
- \$1,200 for software. This will be used for 1 year of Matlab license renewals and the purchase of a Java Integrated Development Environment (IDE).

4) Milestones

- End of each month: Data champion review of core mooring data quality.
- July, 2001: MDUC review of core mooring data quality and preliminary recommendations and budgeting for 2002.
- September 2001: MDUC finalizes budget and recommendations for 2002.