

Project Number: 200105

Project START year: 2002

Project END year: 2002

Project Manager: David Caress

200105 Core Navigation - MDUC

1) Abstract (new and continuing projects)

This MDUC project provides for the institutional support of “core” navigation data from MBARI ships and ROVs.

The primary elements of this project are:

- Maintenance and minor development of software used for the processing and archiving of ROV and ship navigation.
- Data archiving and dissemination through the expedition database.
- Data validation through Science data “champion”.

2) Proposal

ROV and ship navigation 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.

The MDUC Chair (David Caress) will serve as both project manager and lead scientist for this project.

The primary elements of this project are:

- Maintenance and minor development of software used for the processing and archiving of ROV and ship navigation.
- Data archiving and dissemination through the expedition database.
- Data validation through Science data “champion”.
- Monthly reports on data quality from data champion to MDUC.

The core navigation data team includes:

- David Caress (Data Champion, MDUC, Science)
- Mike McCann (IAG)
- Rich Schramm (IAG)

The project budget will include some IAG time for software support and development.

This project is expected to operate in 2002 as it currently does. The requested resources will be substantially the same as in 2001.

3) Budget

The 2002 budget includes the following:

- 3 days for navigation data validation by David Caress
- 5 days for navigation processing software support by David Caress

- 8 days for navigation data processing by IAG.
- 5 days for navigation processing and archiving software support by IAG.

The 2002 budget does not include any hardware or expendable expenses.

4) Milestones

- End of each month: Data champion review of ship and ROV navigation data quality.
- July, 2002: MDUC review of navigation quality and preliminary recommendations and budgeting for 2003.
- September 2002: MDUC finalizes budget and recommendations for 2003