



SIMBIOS Contract Status Review

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SIMBIOS 1999 Science Team Meeting



September 13-15, 1999

<http://simbios.gsfc.nasa.gov>

A world map with a color gradient from blue to red, overlaid with text. The map shows the continents and oceans in various colors, with a red area in the North Atlantic and a blue area in the South Atlantic.

SIMBIOS Project Office provides technical, management and coordination support to the Program

▶ GSFC Procurement Office

- 19 contracts in place and 1 contract closed
- 2 interagency agreements
- 20 third year “options” executed

▶ US SIMBIOS Team

- all but 2 investigations were evaluated as good or better
- deliverables and SOW were clearly defined

SIMBIOS 1999 Contracts

- **I. Ocean Bio-optical and Sensor Characterization Studies**

W. Balch (Bigelow Lab.)
J. Brock (NOAA- CSC) **
C. Brown (USGS) **
D. Capone (U. of Southern California)
K. Carder (U. South Florida)
F. Chavez (Monterey Bay Aquarium Res. Inst.)
G. Cota (Old Dominion U.)
T. Dickey (U. of California/Santa Barbara)
R. Frouin (Scripps Inst. Oceanography)
G. Mitchell (Scripps Inst. of Oceanography)
J. Mueller (San Diego State U.)
F. Müller-Karger (U. South Florida)

** Interagency agreements

D. Siegel (U. of California/Santa Barbara)
A. Subramaniam (U. of Southern California)
R. Zaneveld (Oregon State U.)

- **II. Data Merger Studies**

W. Gregg (NASA)
D. Siegel (U. of California/Santa Barbara)

- **III. Atmospheric Correction Studies**

B. Chen (Stevens Institute of Technology, Hoboken)
P. Fleteau (Scripps Inst. of Oceanography)
M. Wang (UMD/Baltimore)
M. Miller (Brookhaven National Lab.) **
J. Porter (U. of Hawaii)
K. Stamnes (Stevens Institute of Technology, Hoboken)

A world map with a color gradient from blue to red, overlaid with text. The map shows the continents and oceans, with colors ranging from light blue in the north to dark red in the south.

Two formal contract evaluations were done from November 1998 to June 1999

Performance evaluation categories:

Quality

- data completeness
- ancillary information provided on the data (metadata)
- the data's usefulness in relation to SIMBIOS goals, i.e., calibration, validation, and algorithm development
- quality of technical reports.

Time

- data and documentation (monthly, year-end reports, and special topic publications) delivery times.

Other

- scientific publications and scientific achievements
- science team collaboration and involvement
- other significant events occurring during the contract period evaluation.

Price

- this evaluation is not relevant because all the contracts in placed are firm-fixed price (FFP)

Evaluation Key : Poor/unsatisfactory, satisfactory, good, very good & excellent

SIMBIOS Contract Status Report

➔ 142 Cruises sponsored and supported by SIMBIOS.
Some cruises like “INDONEX” lasted several months

September-December, 1997 = 48

January-December, 1998 = 70

January-July, 1999 = 23

➔ SIMBIOS data-sets submitted to SeaBASS
January 1997-July 1999

4644 optical profiles, 1586 chlorophylls,
312 pigments, 2151 fluorescences,
761 AOT measurements, 84 PAR

SIMBIOS Contract Status Report

➔ Mooring data:

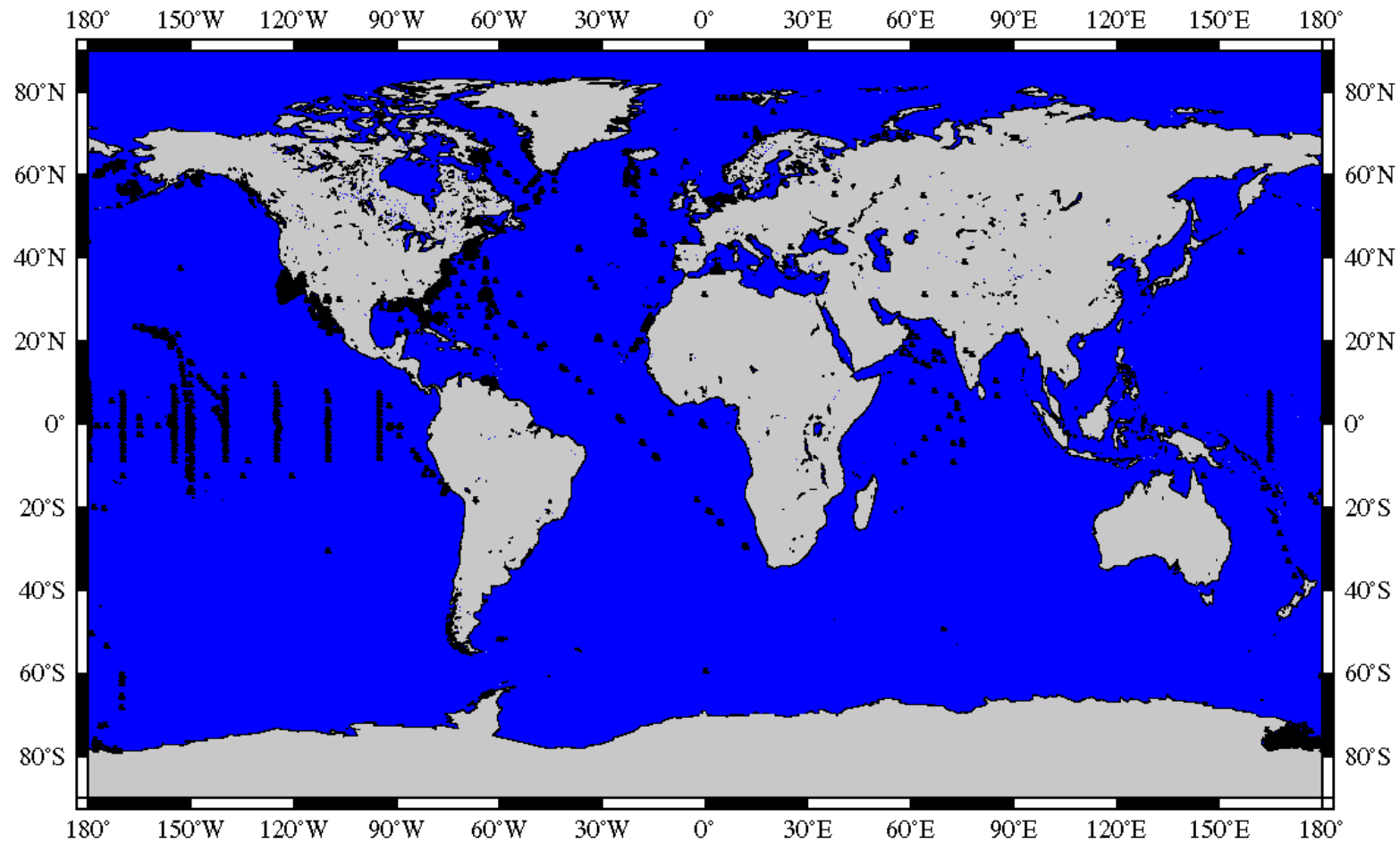
- BTM 8 08/08/97 - 11/20/97
- BTM 9 11/27/97 - 03/31/98
- BTM 10 11/12/98 - 03/18/99
- BTM 11 04/02/99 - 07/21/99
- BTM 12 08/05/99-present

- EP1, EP2 11/14/97-present
- M 1, M2 08/06/97-05/27/99

➔ 5000 miles of underway data 1998 (11 ferries)

➔ more details in Jeremy's, Sean's and Christophe's presentations

A Total of 7962 ship measurements in SeaBASS (about 80% are after 1997)



A world map with a color gradient from blue to red, overlaid on a light blue background. The map shows the continents and oceans in various shades of blue, green, yellow, and red.

SIMBIOS Contract Status Report

- Implemented content and structural changes in the monthly and year-end reports
- First “SIMBIOS Project 1998 Annual Report”
NASA/TM-1999-208645, 105 pp

SIMBIOS has chosen to have all documents easily available on the web

SIMBIOS Contract Status Report

- **Website redesigned and reorganized**

- * **news and information**

 - Calendar, abstracts, special topics and other documents

- * **support services and schedules**

 - On-board LAC request, overflight predictions and real time support

- * **project status**

 - Team and Project monthly and year-end reports and SIMBIOS TM

- * **instrument pool**

 - Calibration history, schedules and requests

<http://simbios.gsfc.nasa.gov>

from February 1999 over 800 monthly logins to website

SIMBIOS Contract Status Report

- The Project has implemented a closer partnership with the team: Project staff has and will be joining team cruises

better understanding of collected data, methods used, terminology used in the log, possible issues & problems

**This year we were out at sea with
Carder, Clark, Siegel and Zibordi
*next cruise in October with Mueller-Karger***

A world map with a color gradient from blue to red, overlaid with a semi-transparent white box containing text.

Project Office Action Items

- Collection of SIMBIOS Science Team and Project Office abstracts and presentations done during 1998-1999, NASA TM (*contributions due by September 27 1999*)
- SIMBIOS Project 1999 Annual Report NASA TM (*contributions due by October 22 1999*)
- Plan to execute HPLC/FL pigment round-robins: Winter-Spring 2000

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Project Office Action Items

- SeaBASS: data / metadata
 - *Bio-optical and atmospheric measurement protocols*
 - *Review of presently archived bio-optical ad atmospheric parameters collected (standardize units etc.)*
 - *Improved database query capability (band range, connect bio-optical and atmospheric measurements, etc.)*
 - *Improve data status (first submission, resubmission with error tracking and final data)*
 - *Improve metadata field (cruise information, etc.)*

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Team Areas for Improvement

- Match-up effort: water-atmosphere-satellite
- Cruise information
- Improving information across the Team
- *Timely* submission and enhanced *quality* of monthly web reports
- Notify Project of PI publications / presentations
- Standardize SIMBIOS/NASA acknowledgement