

MODIS TECHNICAL TEAM MEETING

May 20, 1999

Vince Salomonson chaired the MODIS Technical Team Meeting. Present were Bill Barnes, Al Fleig, Bruce Guenther, Dorothy Hall, Gene Legg (NOAA), Ed Masuoka, Harry Montgomery, Bob Murphy, George Serafino, Dave Toll, and Eric Vermote, with Deborah Howard taking the minutes.

1.0 SCHEDULE OF EVENTS

PI Processing Meeting (GSFC) Building 32, Room E103	June 9, 1999, 9:30 a.m.
Mini-SWAMP Meeting at EOS-IWG (Vail, CO)	June 15–17, 1999
PI Processing Meeting (GSFC) (Room TBD)	July 1999, 9:30 a.m. (Date TBD)
SAFARI Program Implementation Meeting (Gaborone, Botswana)	July 26–30, 1999

2.0 MINUTES OF THE MEETING

2.1 Overview

Salomonson began the meeting by asking about launch readiness. All present agreed that the MODIS team is ready for the upcoming Terra launch. Guenther commented that Level 1B radiance will not meet calibration requirements as well as the next version. Although it would be okay to wait until after launch for the next version, the GDAAC has indicated that testing and deploying the next version would not delay other launch-ready preparations.

Masuoka said that MODAPS will not be able to get all metadata inserts before launch. However, these could be updated after launch. A teleconference to determine status is scheduled for Monday, May 24 at 1 p.m.

A brief discussion on the timing of the Terra launch followed. Salomonson commented that the Titan 4 is expected to be launched on Saturday, May 22. This is a key launch in that it is a piece of the actions that have to take place prior to the Terra launch. Murphy said that June 15 is a significant threshold for a July 28 launch date. Guenther added that this is because a decision will be made on June 15 for fueling Terra, because hydrazine will not be loaded on June 15 unless

Terra is ready to launch within 4 to 6 weeks.

Salomonson asked the technical team to focus on ways to promote MODIS. Murphy mentioned that a meeting on first images is scheduled for next week (May 24–28). Salomonson suggested producing first images of the east or west coast, then providing interactive displays on the World Wide Web.

2.2 Instrument Report

Barnes reported that the fail safe door opener that did not work on FM1 was due to a software problem. He said that MODIS may still want to delay delivery to include RVS. Guenther stated that according to analysis criteria, there may be some discrete problems with bands 27 and 28. Murphy clarified that these are physics problems related to how the instrument works with cross-talk and that there may be a break between cross-talk and RVS.

Guenther reported that the optics on AM1 have been cleaned; this minimizes scattering, etc. He said MCST would like to send some information from the end-to-end test to Santa Barbara.

2.3 GDAAC

Serafino reviewed the GDAAC Notes for MODIS Technical Team Meeting (5/20/99) (Attachment 1). He noted as a positive that ECS/Landover staff is assisting with data production at the GDAAC. Serafino said that Bruce Vollmer is working on Level 1B browse product identification with Bruce Guenther and MCST personnel. In addition, a recommendation was put forth by the DAAC at the May 12 PI Processing meeting involving the freezing of current metadata and implementation of desired metadata changes during reprocessings. In terms of overall readiness, the ECS System status is still yellow due to issues related primarily to performance.

Serafino briefly reviewed the Operations Status of GDAAC Launch-Critical Capabilities (Attachment 2) (a chart from Catherine Harnden). The ingest/archive functionality is generally well in hand with the exception of NCEP (GDAS1) ancillary data problems. The GDAAC plans to begin with the Performance Isolated column and hopes to update archive and production to green within the next few weeks. This will lead into the 3-day-in-the-life EGS-10 test currently scheduled for 6/2 through 6/4. Serafino does not know the specific schedule for work on the Demonstrated Under Load column (currently red status), but will find out.

2.4 MODAPS

Masuoka reviewed the Launch Ready PGE Status (Attachment 3). He said that MODAPS plans to make about a days worth of synthetic data for the upcoming MOSS-2 test. PGE03 will be updated by removing optional and ancillary inputs—this takes optional and ancillary data out of cloud mask.

Masuoka reported that the SIPS delivery is on track for testing in MOSS-2. SIPS is the software that will send data back into the ECS system. He added that synthetic Ephemeris data will be used for MOSS-2.

2.5 PI Processing

Eric Vermote reported about the most recent PI Processing meeting on May 12. He said DAAC participation was very good and preparation for the MOSS-2 test looks very good.

2.6 MAST Report

Toll reported that Terra launch invitations are due to Barbara Conboy today, May 20. Very Very Important Persons (VVIPs) will likely be invited to view the Terra launch from the control center—Conboy requested a prioritized list of VVIPs. Salomonson listed the following VVIPs: the MODIS science team leader, the MODIS project scientist; the MODIS instrument scientist; the MCST lead; the MAST lead; and the MODIS discipline leaders, including the Atmospheres, Land, Oceans and Calibration discipline leaders.

Toll mentioned that Yoram Kaufman and Francisco Bordi are coordinating a Terra Meeting at the launch site to correspond with the launch. He said that MODIS inputs for the EOS data updates for PM are due to Conboy by Monday, May 24.

3.0 ACTION ITEMS

3.1 New Action Items

1. To MODIS Community: Last call for Terra Launch; updates/additions due to Barbara Conboy by May 20, 1999.
2. To Discipline Leaders and Support Team Leaders: Inputs for the EOS Data Products Handbook PM-1 Vol. 2 are due to Barbara Conboy by May 24, 1999.

3.2 Action Items Carried Forward

1. Murphy: Create a mechanism for coordinating MODIS operations and other schedules that includes an interactive listing. It should be more than a passive

posting of schedules on the World Wide Web. Such an interactive schedule could be used by MODIS science discipline teams to coordinate field campaigns or by the operations group to coordinate MODIS activities with the other Terra instruments' activities.

Status: This item remains open.

2. Murphy: Clarify the data release agreements between NASA and NOAA on MODIS data, including MODIS requirements and which of these requirements NOAA will accommodate. Discuss these items with Legg and Tarpley of NOAA.

Status: This item remains open. Draft MOU is being worked by Murphy, Tarpley, Legg, and Masuoka.

3. Hohner and Howard: Develop a weekly MODIS news page linked to the MODIS home Web site. It should include hot items and reflect weekly progress.

Status: This item remains open.

4. Murphy: Follow up on the status of the PI Processing working agreement with ESDIS.

Status: This item remains open. The conveyance memo from SDDT's and Discipline leaders was to be signed the week of March 8-12.

5. Murphy: Investigate the status of direct broadcast and present an update to the Technical Team.

Status: This item remains open.

6. Murphy: Coordinate a MODIS approach for radiance-to-brightness temperature conversions.

Status: This action remains open.

7. Masuoka: Submit an EOS-PM Data Product Update to ESDIS.

Status: This action item remains open.

8. Masuoka: Examine status of DAO ancillary products for MODIS.

Status: This item remains open.

3.3 Closed Action Items

1. Barnes: Work with Wayne Esaias to complete the written and viewgraph versions of the Oceans Validation Plan.

Status: This item is complete. Esaias has submitted the Ocean Validation Plan to Michael King.