

MODIS TECHNICAL TEAM MEETING

September 28, 1999

Vince Salomonson chaired the MODIS Technical Team Meeting. Present were Ken Anderson, Barbara Conboy, Wayne Esaias, Al Fleig, Chris Justice, Steve Kempler, Gene Legg (NOAA), and Skip Reber, with Deborah Howard recording the minutes.

1.0 SCHEDULE OF EVENTS

Next MODIS PI Processing Meeting	CANCELLED*
Next MODIS Science Team Meeting Location near GSFC TBD	November 16–17, 1999
Terra Launch Vandenberg Air Force Base (Lompoc, CA)	No earlier than November 19, 1999
AGU 1999 Fall Meeting (San Francisco, CA)	December 13–17, 1999
IGARSS 2000 Abstracts Due	December 28, 1999
AGU 2000 Spring Meeting (Washington, DC)	May 30–June 3, 2000
IGARSS 2000 (Honolulu, HI)	July 24–28, 2000
EOS-PM Launch	December 21, 2000

*Note: The MODIS PI Processing meeting scheduled for next Wednesday, October 6, 1999 has been cancelled. This is partially due to the MODAPS and DAAC's participation in the MOSS-3 dry-run test next week.

2.0 MINUTES OF THE MEETING

2.1 Instrument

Anderson reported that registration testing is finished and band-to-band registration (BBR) is stable. It seems that this was a one-time shift that occurred between thermal vacuum 2 and thermal vacuum 3. Over the four cycles in thermal vac 3, registration remained stable.

Two remaining instrument issues are the analog-digital converter (ADC) bin size discrepancies and Bands 23 and 32 responsivity issues. The independent review team speculated that the ADC issue is likely a grounding problem. In experiments on the engineering model, no changes have been found. Anderson

said that the AD conversion problem is essentially a redundancy problem. Bruce Guenther will report further on the ADC issue. SBRS is monitoring Bands 23 and 32 and still looking at some modeling. The problem may be a vignetting effect.

Anderson said that the ship date is still scheduled for October 18, 1999.

2.2 GDAAC

Kempler reviewed the GDAAC Notes for MODIS Technical Team Meeting dated 9/28/99 (Attachment 1). He said that work continues on stabilizing the ECS Drop 5A.02 that has been installed at the DAAC. This week ECS Drop 5A.02 was about 50% operational, last week it was 25%. The ECS team on site at the GDAAC has been helpful. Drop 5A.02 is working at the DAAC, albeit slowly. ECS Drop 5A.02 will be used in the upcoming MOSS-3.

Kempler reported that in a recent 12-hour test, it took approximately three times longer than it should have (1 hour of clock time per 1 hour of data) for data to run through the system (ingest, production, and archive). However, this was the first test with any substantial amount of data and the GDAAC will explore many ways to improve performance.

2.3 MODAPS

Al Fleig reported that representatives from MODAPS and the GDAAC had a productive meeting last week. He said that Bruce Vollmer (GDAAC) agreed that the DAAC would go forward with testing the insert of products into the GDAAC and made a commitment to run DPREP ahead of time, which would be helpful to MODAPS. Salomonson asked how the transfer of data from MODAPS to the DAAC was working. Fleig replied that the GDAAC had been waiting for good ESDT's from ECS, but decided to go forward with ESDT's that have some problems.

Salomonson observed that it looks like software challenges are increasing. Skip Reber commented that software is generally released earlier than in the past. Esaias stated that although this is a highly complex system, he is optimistic about it. Justice said that it is a major step forward that an ECS team is working on site at the DAAC.

2.4 Terra Launch

Anderson said that meetings at KSC and at Goddard are scheduled for next week. Based on those meetings, a decision regarding when to fuel Terra would likely be made. Inspection has been going well and the Echostar launch went well. Anderson said that (unofficially) a November 23 Terra launch is a possibility.

2.5 Oceans

Esaias said that Sue Walsh, chief programmer from Miami, would visit GSFC in early October. He said that although at-launch data volumes are up to 85 gigabytes per day, the Oceans group would still like to see a ramp up to increased archive storage space for Oceans. The bottleneck seems to be at ingesting data into the archive. Ingest capacity seems to be a resource problem.

2.6 MAST

Conboy said that MAST would work with the Discipline leads to develop a strawman agenda for the upcoming MODIS Science Team meeting. Justice and Esaias said that they would each hold discipline meetings on November 18 (a day after the MODIS Science Team Meeting on November 16–17). At this time, the Atmosphere group is not planning on holding a separate meeting on the 18th.

3.0 ACTION ITEMS

3.1 Action Items Carried Forward

1. Legg: Find out when and how NASA MODIS representatives will be integrated into the NOAA review process and report on status to the MODIS Technical Team. NOAA has agreed to have MODIS representatives serve on the NESDIS data product review boards. However, MODIS representatives have not yet been invited to participate in an advisory panel.

Status: This item remains open. At the August 26 MODIS Technical Team meeting, Dan Tarpley said that NASA MODIS representatives would be included in an upcoming review board meeting.

2. Murphy and Conboy: Inputs for the EOS Data Products Handbook PM-1 Volume 2 were due to Barbara Conboy by June 17, 1999.

Status: This item remains open. In Murphy's absence, Conboy is working with Chris Justice and Wayne Esaias to get final reviews for the Land and Oceans sections. As of September 28, Conboy is only awaiting input from Oceans.

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 is in progress.

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

Status: This action item remains open