

MODIS Technical Team Meeting
Thursday, June 10, 2004
Building 33, Room E125

Vince Salomonson chaired the meeting. In attendance were Chris Justice, Eric Vermote, Michael King, Bill Barnes, Shaida Johnston, Jack Xiong, and Steve Kempler, with Yolanda Harvey taking the minutes.

1.0 Upcoming Events

- MODIS Science Team Meeting, July 13–15, 2004, BWI Airport Marriott, Baltimore, MD.
http://modis.gsfc.nasa.gov/sci_team/meetings/200407/index.html
- MODIS Vegetation Workshop II, University of Montana, 17 - 19 August 2004
- AIAA Space 2004 Conference and Exhibit, San Diego, California, September 28-30 2004. <http://www.aiaa.org/>
- Snow and Ice User Workshop, SSAI offices, Aerospace Building, Lanham MD. November 16-17, 2004.

2.0 Meeting Minutes

2.1 General Discussion

Salomonson reported that an updated list of Science Team Members has been prepared and he will be sending it out soon to everyone.

Salomonson also reported that the Science Team Meeting agenda is getting firmer. That too will be sent out in the next communication to the Science Team. He expressed a hope that NASA HQ representatives will be able to attend the Science Team meeting so that they could see and comment on what kinds of work the MODIS project has accomplished and is accomplishing along with plans for the future..

In response to her action item, Johnston reported that they are at the beginning stages of laying out details for Collection 5, and are trying to identify the right levels for the Science Team in terms of data archiving. She said that Jeff Morisette mentioned a database of data-processing centers that we need to pay attention to: apparently they have inaccurate information at least in terms of Land products. We need to make sure that MODIS is accurately represented.

2.2 Instrument Status

2.1.1 Terra MODIS

Xiong reported that Terra Band 21 (detectors 4 and 5 in the production order) is experiencing some changes in gain and noise characterization, and is unstable. Justice requested an email summarizing the issue. Xiong replied that he is going to find out exactly when the changes occurred, and is continuing to investigate, but would keep everyone updated. It will impact the Land group for fire detection if Band 21 is used. This change could be related to another detector issue that occurred earlier (though they are on different focal planes).

2.1.2 Aqua MODIS

No issues reported.

Other than the above issue, Xiong reported that both instruments are working normally. Xiong reported that Masuoka and Johnston organized a meeting on the Collection 5 schedule. Xiong want to have inputs from all groups, through an MsWG meeting, on code changes and LUTs as his group continues trying to get information on the reprocessing changes.

2.3 DAAC

Kempler reported that Release 7, which was installed a few weeks ago, is working well. Other than that, everything is going fine.

2.4 SDST

No report given.

2.5 Atmospheres

Salomonson mentioned that HQ has not been able to resolve the issues concerning the water vapor and profile products; i.e., there is no one to maintain these products at present. He is sure that NASA HQ is cognizant of the issue and is hoping that a resolution may be forthcoming in the not-too-distant future.

2.6 Land

Justice noted that he, along with Michael King, Chuck McClain, Gene Feldman and Salomonson attended a NOAA/NESDIS workshop concerning the making of MODIS products operational in a NOAA context. MODIS products and activities for land, ocean and atmospheres were presented along with presentations on MODIS activities within NESDIS. The meeting appeared to be quite productive and indicated that MODIS is now and very likely will be a major, growing data component of NESDIS activities in the future. A final report will be released in the near future.

Justice noted that he is planning to put out an agenda of the Land portion of the upcoming MODIS Science Team Meeting on June 11, 2004. Otherwise, they're still preparing for the meeting.

Vermote noted that striping on the Land band has been a big issue, but they are working with MCST to resolve it for Collection 5. Xiong said if there is a need for code change and if it is related to reducing the crosstalk, they could do this in L1B. This change is not a de-striping algorithm as the one to be used by Wisconsin at a higher level than L1B. In any case, they're continuing to work with the Land group (Eric Vermote) on this issue. Johnston asked where the striping correction would go, and Vermote said that if they do a fix similar to what the Atmospheres group is doing, then the correction would be in the Land code, not the L1B code itself. Xiong said that they don't want to rush the fix for Collection 5 as a deadline. Fixes like this usually go in L1B because it affects everyone, but they might not do it that way this time. Vermote said that they are exploring several avenues.

3.0 Action Items

3.1 New Action Items

No new action items.

3.2 Old Action Items

3.2.1 Tech Team to further discuss TRW using MODIS data for validation of the NPP/NPOESS production process.

Status: Open.

3.2.2 Kempler to bring back some proposals for how the disciplines can deal with the DAAC distribution problem.

Status: Open.

3.2.3 Johnston to determine what data should be going into the DAAC.

Status: Open.

Johnston reported being at the beginning stages of laying out details for Collection 5, and is trying to identify the right levels for the Science Team in terms of data archiving.