

**MODIS Technical Team Meeting**  
**Thursday, May 6, 2004**  
**Building 33, Room E125**

Vince Salomonson chaired the meeting. In attendance were Chris Justice, Jack Xiong, Shaida Johnston, Steve Kempler, Ed Masuoka, Robert Wolfe, and Dorothy Hall, with Yolanda Harvey taking the minutes.

### **1.0 Upcoming Events**

- AGU Joint Assembly, Montreal, Quebec, Canada. May 17-21, 2004. Deadline for abstracts: February 12, 2004 (mail) and February 19 (electronic, before 9 pm EST) <http://www.agu.org> <http://www.agu.org/meetings/sm04/index.shtml>
- MODIS Science Team Meeting, July 13–15, 2004. Local to Greenbelt, MD, but the exact location is still to be determined. Details will be forthcoming.
- 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 noted that the MODIS Science Team Meeting will likely be held from July 13 to 15, 2004, assuming the Ocean and Ice Panel Reviews can be moved to a later date. Details will be forthcoming. He also noted that there's a good possibility that everyone will be under contract approval by the time of the meeting (as opposed to pre-contract approval).

Salomonson noted that the Web of Science has over 500 publications listed that discuss MODIS or use MODIS products, including about 50 or so for the year 2004 (through March). In his opinion this continues to indicate that the MODIS information and products are getting out and being used successfully by the science and applications communities.

#### **2.2 Instruments**

Xiong reported two issues with the Terra MODIS instrument. The first is an SRCA lamp that is becoming very noisy. MCST conducted some tests and identified the specific 10-watt lamp, and they plan on recommending replacing it with its backup.

The second issue is a Band 28 noise problem. Nothing can be done about it since it is MODIS detector problem. We have to be very diligent about product quality with this band. They are going to do more analysis to determine the impact on the SWIR calibration and crosstalk correction, but they might eventually have to declare this detector to be failed.

#### **2.3 DAAC**

Kempler reported that he had gathered some metrics on distribution for NASA HQ.

MODIS Oceans distribution from the archive is between 15 K to 25 K granules per month, in addition to the SeaWiFS distribution from the DAAC. Over 1.6 terabytes of MODIS Oceans was distributed in April. Justice asked who the main users of these data are, and Kempler replied that most users connect via an anonymous ftp, so we really do not know. However, based on subscription users, 40% of the subscription users come from .edu domains; 15% from .com; 10% from .gov; 5% from .org; 20% are international; and the remaining 10% come from unclear origins (e.g., yahoo). It is very difficult to get additional detail on these users.

Kempler reported that ECS Release 7 (Synergy 4) is to be installed next week. Testing is in progress. Release 7 will give them more distribution capabilities.

## **2.4 SDST**

Masuoka reported that the L1B development schedule was mentioned at a recent PIP meeting and that it may be a schedule driver if changes are needed to the L1B code and not just Look-up Tables. The Atmospheres group is planning a science test of the atmospheres products in August. He said he would send an email on this to Xiong.

Masuoka said on the topic of the email from Bob Evans about ancillary data: one metadata field was wrong, so Miami is in the process of fixing it. Bob Evans said that SST software is doing the right thing so only the ancillary data product (Reynolds SST in HDF format) will need to be remade. It will take a couple of days to remake those data once the revised PGE 18 software is received from Miami.

Wolfe reported that he's completed the solar diffuser Earthshine analysis, and will have the report on it done by this week's Calibration meeting. He said that he would send it out when it was written up. He noted that there does seem to be an Earthshine component, but it's very small.

Masuoka noted that on Saturday, May 8, electricians will be replacing a bad circuit breaker starting at 8:30 am EDT. He expected power to be back online by 1:30 pm that same day. The bad breaker has been responsible for power outages that hit MODAPS last week.

## **2.5 Cryosphere**

Hall reported sending out an announcement on the upcoming Snow and Ice Workshop to the Cryolist, and got a number of interested emails. She said she would also send out the announcement to the IWG that afternoon, and NSIDC will also distribute information about the workshop.

## **2.6 Land**

Justice noted that he's started talking to MODIS Land people about keeping their ATBDs and Data Handbook information up to date. He anticipates that there will be a formal requirement for this to be done sometime in the future, so he has decided to get a head start.

# **3.0 Action Items**

## **3.1 New Action Items**

No new action items.

### **3.2 Old Action Items**

3.2.1 Xiong to send Johnston an email summary of how reducing the flow of QA data to MCST would affect operations.

Status: Open.

3.2.2 Johnston to summarize the available options and scenarios for the group to consider, as well as break down the types of data that are considered QA data.

Status: Open.

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

Status: Open.

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

Status: Open.