

## MODIS TECHNICAL TEAM MEETING

**Building 33, Room E125  
April 6, 2000**

Vince Salomonson chaired the MODIS Technical Team Meeting. Present were Ken Anderson, Bill Barnes, Francesco Bordi, Jacques Descloitres, Wayne Esaias, Bruce Guenther, Michael Hohner, Chris Justice (via telecon), Steve Kempler, Ed Masuoka, Harry Montgomery, Bob Murphy, Bruce Ramsay (NOAA), Mike Roberto, Locke Stuart, Eric Vermote, and Robert Wolfe, with Deborah Howard recording the minutes.

### **1.0 SCHEDULE OF EVENTS**

Pre-EOS-IWG SWAMP Meeting Tucson, AZ	April 10, 2000, 3–6 p.m.
Mini-SWAMP at the EOS-IWG Tucson, AZ	April 11, 2000, 12–2 p.m.
EOS-IWG Tucson, AZ	April 11–13, 2000
CEOS WGISS/GOFC Meeting London, England	April 11–14, 2000
CEOS WGCV Moderate Resolution Land Products Validation Meeting Joint Research Centre, Ispra, Italy	May 22–25, 2000
AGU 2000 Spring Meeting Washington, DC	May 30–June 3, 2000
Next MODIS Science Team Meeting GSFC area	June 7–8, 2000
COSPAR 2000 Warsaw, Poland	July 16–23, 2000
COSPAR/IRS Joint Symposium Warsaw, Poland and St. Petersburg, Russia	July 21 and July 24, 2000
IGARSS 2000 Honolulu, HI	July 24–28, 2000
IRS-2000 St. Petersburg, Russia.	July 24–29, 2000
EOS/SPIE Symposium on Remote Sensing	September 25–29, 2000

Barcelona, Spain

SPIE's Remote Sensing Japan 2000  
Sendai, Japan

October 9–12, 2000

VENICE-2000 (Oceans from Space)  
Venice, Italy

October 9–13, 2000

PORSEC 2000  
Goa, India

December 5–8, 2000

Aqua Launch

December 21, 2000

## **2.0 MINUTES OF THE MEETING**

### **2.1 MODIS Early Images**

Salomonson reviewed early MODIS images in preparation for the Terra Press Conference. He has collected sample images that include 500m and 250m comparisons, chlorophyll, fluorescence, water vapor, snow cover, sea ice, cloud optical thickness, cirrus clouds, high clouds, aerosol and dust, surface reflectance, and sea surface temperature. Vermote showed the group a comparison of AVHRR and MODIS 250m images of eastern Maryland. Descloitres displayed an image of the Larson ice shelf iceberg calving. Esaias reviewed an Oceans group 1-day image of the globe.

Robert Wolfe reviewed the current status of MODIS Geolocation (see Attachment 1). He said that the Land group is working with MCST to understand band-to-band registration for Bands 5, 6, and 7.

### **2.2 GDAAC**

Kempler reported that the DAAC was down yesterday for 12 hours and that brought DAAC processing to a 24-hour lag time. They are now backfilling behind the leading edge. He said the DAAC is getting L0 data fairly solidly/regularly now. They are considering a delay or latency period before processing so that the input would be more complete. This would optimize the science output and data would not be as patchy.

### **2.3 MODAPS**

Masuoka reported that they have been losing files on the PDR server. Vollmer is taking changes to the script to ECS.. MODAPS had been losing ancillary data and L1 products. Montgomery commented that it seems that there has been a glitch in L1A software related to some missing data from EDOS. Masuoka said a patch is going in that will fix that. Montgomery asked whether the patch would solve the issue of missing data. Masuoka said that they would have more data because the bit flips would be fixed, however, some data gaps would still be there.

Masuoka said that MODAPS is working with the DAAC to get PGE's through the SSI&T process.

Esaias commented that Hawaii direct broadcast (DB) data was being sent to the DAAC so the Oceans group could receive data that the bit flips and data gaps had missed. Kempler said that the DAAC has obtained the L0 data and would process the DB data for the Oceans group. Murphy commented that the RGB fix for DB should be done by

RGB fix for DB per Murphy--should be done by Pat Coronado by next week for the EOS-IWG meeting.

## **2.4 Discussion**

Esaias said that the PIP group discussed the need for the MODIS team to develop a plan and schedule on which MODIS data would become available when. Salomonson asked whether the MODIS Discipline images were getting to the MODIS Web site image gallery in preparation for the Terra Press Conference. Hohner replied that the Disciplines had sent just a few images, slowly for the MODIS site.

The group discussed which MODIS data would become available on April 19 after the Terra press conference. Those present agreed that L0 data would be made public at that time. MODLAND would not be ready to make L2 data available from the DAAC's then. Salomonson asked whether L1 and sample products could be available with the caveat that they were not science quality data.

Esaias said that sample data for the Oceans Group would be a sample standard file of L2 Ocean ESDT's. They would be able to produce a sample product with actual PGE's. It would be noted that the data was not quality controlled and not science quality. Vermote said that the Land group would be able to provide selected Level 2G sample data using that definition.

The group agreed that the MODIS Team's goal was to plan to release science quality Level 2 data at Launch + 180 days or approximately 6 months after launch. Esaias said he would want to have reliably calibrated data in order to do so. Kempler commented that the DAAC is beginning to receive subscription requests already.

## **3.0 ACTION ITEMS**

### **3.1 Action Items Carried Forward**

1. Hohner, Fleig, and Masuoka: Include a space for MODIS early images on the MODIS home Web site. After launch, it would include downloadable early images on the MODIS site and a link to the DAAC's for obtaining products and data. The TRMM and SeaWiFS Web pages and how they process and present images can be used as good examples.

Status: This item remains open.

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

Status: This action item remains open.