



Justice asked Ramsay about the issue of saturation in fire bands on NPP. Ramsay said their input to the instrument specifications was determined by procurement procedures and that NOAA is uncertain if subsequent internally recommended changes will be accepted. Justice suggested that building a consensus among a majority of interested parties may help.

### 2.3 Land Update

Justice reported that the press release on the MODIS Rapid Response System had gotten a lot of coverage, but that he wasn't entirely satisfied with how it went. He suggested that we develop a press package for the rapid response system that anyone one could talk from, so that we could respond at a moment's notice with material whose accuracy and quality we could be confident about.

Vermote reported that he had been talking with MCST about acquiring two orbits of data under a different Itwk/vdet configuration. He suspects that the current configuration is not optimal for land, especially in short wave infrared. Evans commented that the current setting works for Oceans, but is perhaps a little noisier than before the power supply shut down. He indicated that they mostly have investigated the visible bands, looking at what it takes to balance mirror side and detector differences. According to Xiong, we have been running the 190 setting since June, and any change they make will not affect the visible bands, only 5-7 and 20 and 26. It should have little effect on the SST bands. Next week they will schedule the two-orbit change. Xiong will notify Vermote and Evans which orbital passes are selected for the test.

### 2.4 Cryosphere Update

Hall reported that the team had been working with Charlotte Griner of the EOS Communications Office to develop a MODIS poster on ice and snow. There will be two snow images from NA and a single band image from north pole, and then on the back there will be a maximum (probably February) and minimum (probably June) snow cover from MODIS.

Salomonson indicated that he had received the code change request from Hall. The change will be applied from October 1, 2001, with no reprocessing expected. Salomonson is going to approve it.

### 2.5 Instrument Update

Xiong reported that MCST will be scheduling time for the Itwk/Vdet test in the next week or so. They also plan to release a new LUT for thermal leak correction for the SWIR bands before the DAAC starts forward processing.

Ken Anderson provided this update on FM-1 via email:

The Aqua spacecraft thermal vacuum testing is underway. The chamber pumped down late Saturday. The spacecraft and MODIS are presently in outgas mode. MODIS will outgas until measurements show sufficient moisture has been baked off to allow focal plane cooldown. The thermal vacuum testing is presently scheduled to continue until October 1.

Xiong indicated that they are preparing a number of analyses for TRW to conduct. There are a lot of new issues and special design tests. MCST hopes to have a report for the Science Team meeting. They will know about detectors and also about the effect of gain changes in band 31 and 32. He will be going to TRW September 12-14 to monitor the special tests and to make sure we get data at least for one plateau.

Justice asked about what presentations were planned for the MCST breakout meeting. Xiong indicated that they are going to present summary of PFM status since launch, including hardware and software changes. There will be a summary of calibration of FM1. Special topics will be discussed after the regular 4-hour meeting.

## 2.5 Data Processing

Salomonson indicated that Robert Wolfe has had some code changes approved that have to do with reducing overlapping orbits. Justice said that they have some fire code change requests coming, and Vermote said he was planning some for surface reflectance, too, having to do with making the internal snow, cloud, and fire mask visible in the product.

The group discussed what processing should be done after the March-May period is complete. Land wants to go forward; Oceans wants to continue retrospective processing and current L1A.

Kempler reported that the DAAC processing rates have been steadily creeping up. The past few days, S4PM has been running at about 1.7x; PDPS adds another .5x. They are still having problems with stability, and PDPS is much less than the 1x expected. Other obstacles include processing down time caused by distribution backing up and staging is still an occasional problem.

With respect to the delivery of the latest version of ECS that caused all the recent problems, they still aren't sure why testing did not catch the problems, but Kempler said he is inclined to resist any deliveries in the future that are not properly tested and that do not have the complete backing of the science team, that is, he will outline very clearly in the future the conditions under which he will accept a drop.

Masuoka stated that Mike Moore felt that without an S4PM string that can test at full volume, they couldn't really test properly.

Kempler reported that DLTs are coming online for distribution. They have some big orders for that, which will increase our distribution volumes, for example, modelers who exceed the 15GB limit online.

Salomonson asked about the newly formed data distribution working group, and what sort metrics they will use. Justice said he had suggested that they look not just at volumes but unique users as well. There was some discussion about whether all the "MODIS DAACs" could provide those statistics. Kempler said they are analyzing how they group

their users as public and other, and are investigating the most accurate way to report distribution statistics.

Kempler reported that Wolfe had delivered the sub-sampling code via email before the meeting. The DAAC will be working on it as a high priority. He also reported that EDOS is putting in a new system. They sent sample test data on Monday, but Kempler is concerned because they haven't done anything with it yet. He is going to run that day to test and compare L1 results after the 3 months of MODIS reprocessing is complete.

Masuoka reported that MODAPS closed up Oceans and Atmosphere daily products through day 120, which means we can do the Ocean week through 112. They still think they will make the September deadline. Soon S4PM will begin delivering data to MTVS1, which is the system that they need to be feeding now. They are working on the Atmosphere month of April. Land Surface Temperature (LST) is lagging behind a bit, and they are looking at how to speed it up. We will likely be able to finish LST through 128, but 129-144 may not be done by the Science Team Meeting.

Salomonson asked about the idea of having separate MODAPS strings for the different disciplines. Masuoka indicated they were still looking into it.

## 2.6 MAST

Lindsey reported that she has received about 15 titles for proposed presentations for the Science Team Meeting. Salomonson expressed surprise that more people wouldn't want to make presentations, thinking people would want to put their best foot forward in light of the upcoming re-competition of contracts.

She also showed a poster of the new global earth image developed by Reto Stockli and indicated that Michael King thought it should replace the "first-complete-MODIS-globe" currently slated for the cover of the MODIS brochure. The team agreed.

## 3.0 Action Items

3.1 Discipline leads to meet to resolve the issue of beta-release code and science-quality code, and what we need to say about it.

Status: Open.

3.2 Technical team to discuss further the issue of predicted ephemeris data and how to improve it.

Status: Open.