

6/11/03

## MODIS sensor Working Group (MsWG) Summary

**Attendance:** Wayne Esaias, Bob Evans, Eric Vermote, Roger Drake, Vince Salomonson, Jack Xiong, Stuart Biggar, Gary Toller, Zhengming Wan, Bob Barnes, Gerhard Meister, Shaida Johnston, Junqiang Sun, Vincent Chiang, Timothy Gubbels, Bruce Guenther, Chris Moeller

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### **Scheduled Items**

#### **Item 1 Instrument Status**

**Terra SDS impact**

**Terra Granules from 2003155.2000 to 2003155.2155 (were actually from Aqua)**

#### **Item 2 L1B and LUTs Related Issues**

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### **Around the Table**

- JX:** Both instruments are generally fine except for Terra:  
 1) 2 hours of corrupted data on day 155 due to the operators error (Aqua's L0 was used mistakenly)  
 2) SDS still stuck closed
- RD:** Recommend that we not attempt to move the screen. The worst case would be having the screen partly open. What should happen with the SD door:  
 -Leave it open (this is the failsafe position)  
 -Possibly we can continue operating the door normally  
 The screen failure may have been precipitated by the door open for 2 days in Jan/Feb  
 -Dave La Komski has updated his thermal model  
 -The IOT is providing the temperature data and where in orbit the door is open  
 -Will have a preliminary thermal analysis by the end of this week, then a recommendation will be made  
 -But, in reality the recommendation that RD will make will be based on the deadline for the recommendation
- VS:** So, what do you recommend if we need the advice now?
- RD:** Leave the door open, but the liabilities to this:  
 -There may be bad thermal effects  
 -The black paint may be eroded by atomic oxygen
- BG:** What about the possible door warping (distortions) on the screen caused by the 2-day period in January?

- WE:** Does MCST see any m1 distortion because of this?
- JX:** No.
- WE:** We need the calibrations. I recommend that we open the door now and continue the thermal analysis at the same time. It shows that SD degradation is mostly from EV.
- RD:** That's when SD cal is done every 2 weeks.
- BG:** Does the thermal environment stabilize after 2 days? If La Komski analysis say continue to warm...
- RD:** It will stabilize in one day.
- VS&WE:** When will your analysis be ready?
- RD:** We need 2 weeks to complete the analysis.
- BG:** How will the La Komski results be reported to the team?
- RD:** Through the regular telecon with the IOT folks.
- WE:** What is the current trend of m1?
- JX:** At least .5% change in the past 5 weeks w/o SD cal.
- EV:** Can you (Ocean) use the moon to estimate the m1 change.
- WE:** The Oceans team is strongly dependent on MOBY and MOBY is not working well now.
- SB:** What about using the spare lamp. The SRCA can help this problem. We should do the SRCA cal more often; SRCA can provide the trend.
- JX:** We can run the SRCA in radiometric mode more often. Run SRCA calibration every other week.
- JX:** Around the table.
- SB:** We have been in the field for measurement.
- EV:** How's ocean's test on new m1 with the measured SDSM?
- WE:** Now we will use the SDSM-derived m1's. There are questions on sunglint from EV.
- ZW:** Next week go to railroad valley for validation.
- GM:** I received the m1 data.

**VS:** Has Paul Ondrus made this a formal failure review? We need to know if the failure review is made "Formal Failure Review". We need to set an absolute deadline.