

Attendance: Gerhard Meister, Gene Eplee, Chris Moeller, Vincent Salomonson, Scott Blanchard, Eric Vermote, Zhengming Wan, Gary Toller, Junqiang Sun, James Kuyper, Aisheng Wu, Vincent Chiang, Elena Novakovskaia, Jack Xiong, Brian Wenny

Scheduled Agenda**Item 1: Recent L1B LUT delivery**

- Terra forward update – 5.0.6.30 (5/11/07) – m1, RVS
- Aqua forward update – 5.0.7.20 (5/15/07) – m1, RVS

Item 2: Instrument status

- Terra and Aqua MODIS are in nominal operations.
- Terra Solid State Recorder DMU Swap activity – still no fixed schedule as to when this activity will occur. Mid-June is the latest estimate. MODAPS is working with the DB community to develop the ability to retrieve any L0 data captured from DB during the DMU swap.
- All Aqua Inclination Adjustment Maneuvers have been completed successfully.

Item 3: MCST recent activities

- DC Restore Trending – Jack has had discussion with SBRS about this issue and feedback received indicating that the DC Restore is performing as expected and that Space View DN are still within acceptable limits. MCST will continue to monitor DCR and SV DN trends.
- Fill Value vs Interpolated L1B: Code delivered and one day test data set should be available by the end of the week. Data will be accessible through non-public MODAPS channels.
- Initial thoughts for Collection 6 issues to address:
In the event of a Collection 6 (estimated schedule for implementation – no sooner than early 2008 – **JK**), now is the time to start thinking about what issues we'd like to address and derive the necessary strategies for implementation. An initial list of issues was presented and a few suggestions were added, further detailed discussions on each topic will occur in future telecons. The initial list of suggested issues is:
 1. Fill values vs Interpolation for dead detectors
 2. A0/A2 approach
 3. Band 2 noisy subframe
 4. Determine noise on a subframe basis
 5. Detector Flag Consistency
 6. De-striping/Crosstalk
 7. Detector dependent RVS
 8. Terra Mirror-side correlated noise
 9. Operational QA reporting for L1

Item 4: Around the Table

Several comments/concerns were expressed about the possible Collection 6:

- Schedule: **EV** felt that L1B was 'frozen' too soon for Collection 5 and would like greater flexibility to make changes for any Collection 6.
- De-striping: Is it feasible/advisable to de-stripe in L1B? **VS** – would land be satisfied with a uniform de-striping method? **CM** will investigate the radiometric impact of the de-striping algorithm.
- **EV** suggested having an L1B workshop to get user input and facilitate discussion on what should be included in a Collection 6.

JK – data hiding for 7 identified bad data periods has been completed. Re-processing of overlapping periods is expected to be complete by early June.

GM – observed for Aqua that water leaving radiance was 5-10% too low for late 2006, indicating a TOA change of ~0.5% - a possible calibration artifact? **JS** – MCST made a recent change to the degradation fitting algorithm that will correct the 0.5% difference in the LUT update to be issued next week.

JX – raised a concern about the calibration quality of Terra Band 8 & 9. These bands are experiencing the highest degradation rate and show a sizeable drop in signal. He is interested to know if anyone has seen a large deviation in Band 8 & 9 related products.

CM – would like to see another Deep Space Maneuver to help analyze the RVS, but realizes that it is unlikely to happen. An alternate method would be to use an AIRS/MODIS Aqua intercomparison to investigate RVS.

Next Meeting: ~June 6, 2007