November 27, 2002

MODIS sensor Working Group (MsWG) Summary

Attendance: Bill Barnes, Bob Barnes, Vincent Chiang, Roger Drake, Bruce Guenther, Junqiang Sun, Gary Toller, Jack Xiong, Zhengming Wan, Joe Esposito

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Scheduled Items

Item 1 Instrument Status

BB) Both of the instruments are performing well. Work to repair Aqua command loss is still ongoing.
Anticipated out-gassing required: Terra – 4.7 years, Aqua – 2.5 years.

JX) An NOAA scientist is using B6 for atmospheric aerosols. He found that at low radiance the L1B data is cut when radiance is less than zero. This is expected as L1B minimum for B1-7 is dn^* >= 0 whereas for B8-19, 26 dn^* >= -40.
During the night side of an orbit he wants day mode at night for one granule per day. How can this be done automatically? Alice will provide L1B data produced with the new dn* limit, which will then be sent on to NOAA.

BG) Asked Shaida what the impact of one night granule of RSB data per day. Issue is TDRSS contacts.

BB) 3 level process: i) Is the result scientifically significant; ii) What is the impact of data at one RSB granule on night side per day; iii) Do we wish to do this?

Item 2 Aqua LUT Update

JX) By the end of next week Alice will deliver the Aqua LUT update to the DAAC.
For Terra: MCST would like to update the existing LUT for the forward data process. The existing LUT values are starting to deviate from the measured values. BB and JX are to meet with Miami to discuss the update.

Around the Table

Participant: Zhengming Wan – Field trip in January to compare Aqua and Terra using vicarious measurements.

Participant: Jack Xiong – Went to SeaWifs presentation comparing SeaWifs to Terra.

BB) From my view, L1B is not driving the differences but seems to be due to nLw. Changes seem to occur prior to epoch boundaries and slope changes seem to occur.

Participant: Bob Barnes – We are looking for another data set (e.g. m_1, SRCA, Lunar). Would like to have real (measured) m_1 values (*MCST Action: coordinate delivery of measured m_1 values to the SeaWifs group*).

Next Meeting December 11, 2002

Compiled by J. A. Esposito November 27, 2002