

MODIS Science Data Support Team (SDST) Meeting Minutes 06/11/93

ATTENDEES: Lloyd Carpenter, Dave Case, Ruiming Chen, Larry Fishtahler, Al Fleig, Tom Goff, Paul Hubanks, Ginny Kalb, Geir Kvaran, Ed Masuoka, John Moses, J.J. Pan, Shahin Samadi, Carl Solomon, Jim Storey

MODIS AIRBORNE SIMULATOR (MAS): Paul Hubanks generated a file of MAS Level 1B output in HDF format and made it available to the MAS users.

The UNIX prof program was used to find where the MAS program spends most of it's time. The results were included in the handout. The MAS processing will be examined to determine 1) which parts can be processed in parallel, 2) which steps are the major resource users, and 3) what changes are indicated for improving the efficiency.

MODIS GEOLOCATION PROTOTYPING/AVHRR TESTING: Jim Storey received a sample AVHRR data set from EDC. Copies of the AVHRR coverage charts and the sample data were made available for the land prototype effort.

HDF FORMAT: There was a general discussion of the use of the HDF format. It was noted that the EOS Project will distribute data sets in HDF, but they may not store the data internally in HDF. It was also noted that NOAA does not use HDF and may not convert to HDF in the future. From these discussions it appears that the ancillary data sets may not have to be in HDF format.

PGS TOOLKIT: J.J. Pan presented a preliminary list of PGS tool kit requirements for MODIS science data processing. The tools will be further discussed in terms of who needs them, whether they are needed for production, validation or testing, etc.

MODIS OPERATIONS CONCEPT: There was considerable discussion of operations concept issues in preparation for the upcoming DPFT meeting.
MODIS PROTOTYPING: Ruiming Chen contacted Alan Strahler and discussed prototyping activities for the MODIS Land Team.

ACTION ITEMS:

1. 05/21/93 [Ed Masuoka]. Due Date: 05/28/93. Arrange a meeting with the SeaWiFS group and SDST programmers to discuss SeaWiFS browse software. (An E-mail message was sent to Gene Feldman.) STATUS: Open.
2. 05/21/93 [Lloyd Carpenter]. Due Date: 05/28/93. Post the SDST responses to all currently received RIDs back to the original writers. (The RID responses have been prepared.) STATUS: Open.

3. 05/21/93 [Lloyd Carpenter]. Due Date: June 14 (draft), June 18 (final). Create a generic document template for the interchange of information between MODIS and other instruments. STATUS: Open.
4. 05/21/93 [Lloyd Carpenter]. Due Date: 06/18/93. Complete the first draft of the MODIS Operations Concept document. STATUS: Open.
5. 05/28/93 [Jim Storey]. Due Date: 06/30/93. Complete an Algorithm Theoretical Basis Document (ATBD) for MODIS Level 1A Geolocation. STATUS: Open.
6. 05/28/93 [Geir Kvaran]. Due Date: 06/25/93. Get a copy of the latest MCST calibration algorithm discussion and diagram for SDST use. STATUS: Open.
7. 05/28/93 [Jim Storey]. Due Date: 07/30/93. Develop a plan and schedule for MODIS geolocation prototyping and testing. STATUS: Open.
8. 06/11/93 [Paul Hubanks]. Due Date: 06/25/93. Get an account on ulabsgi (via G. Schmidt) to use the FORTRAN Lint source code analyzer. Evaluate its use in profiling the performance of the MAS software. STATUS: New.
9. 06/11/93 [Jim Storey]. Due Date: 06/18/93. Inform the Miami oceans group of the JPL SPICE analysis tools and there possible use by MODIS Science Team Members. STATUS: New.
10. 06/11/93 [Lloyd Carpenter]. Due Date: ASAP. Set up a meeting of the SDST Operations Concept/PGS Toolkit working group. STATUS: New.
11. 06/11/93 [Tom Goff]. Due Date: ASAP. Create a diagram of the MODIS processing flow with sizing and timeliness estimates. STATUS: New.