

MODIS Science Data Support Team (SDST) Meeting Minutes 06/18/93

ATTENDEES: Lloyd Carpenter, Dave Case, Ruiming Chen, Larry Fishtahler, Tom Goff, Paul Hubanks, Ed Hurley, Ginny Kalb, Geir Kvaran, Ed Masuoka, J.J. Pan, Shahin Samadi, Greg Schmidt, Jim Storey, Lalit Wanchoo

MODIS AIRBORNE SIMULATOR (MAS): Several steps have been identified for improving the efficiency of the MAS Level 1 processing. These steps include identifying those parts which can be processed in parallel and automating operator input through the use of shell scripts.

The ulabsgi account is being established to provide for use of Fortran Lint for further optimization.

MODIS LEVEL 2 PROCESSING: There was an extensive discussion of the use of scripts for MODIS Level 2 processing. J.J. Pan presented information on the manner in which total memory requirements depend on the way in which the processing stream is organized.

MODIS DATA AND PROCESSING DESCRIPTIONS: Tom Goff presented preliminary detailed descriptions of the size, rate and volume of MODIS Level 0 and Level 1 data and the MODIS Processing flow overview in preparation for the DPFT meeting.

MODIS LAND PROTOTYPE: Ruiming Chen has received a list of test sites and one scene of TM data from Alan Strahler, plus six tapes of MSS data from Chris Justice. Work will begin on two or three test sites. One of these will be Plumas.

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. No response has been received yet.) 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: Closed.
4. 05/21/93 [Lloyd Carpenter]. Due Date: 06/16/93. 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. (Greg Schmidt has been contacted, and he is setting up the account.) STATUS: Open.
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: Closed.
10. 06/11/93 [Lloyd Carpenter]. Due Date: ASAP. Set up a meeting of the SDST Operations Concept/PGS Toolkit working group. STATUS: Closed.
11. 06/11/93 [Tom Goff]. Due Date: ASAP. Create a diagram of the MODIS processing flow with sizing and timeliness estimates. STATUS: Closed.