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Subj: MODIS SDST Minutes 12/11/92

MODIS Science Data Support Team (SDST) Meeting Minutes 12/11/92

ATTENDEES: Phil Ardanuy, Francisco Bordi, Lloyd Carpenter, Paul Chan, Larry Fishtahler, Al Fleig, Tom Goff, Liam Gumley, Paul Hubanks, Ed Masuoka, J. J. Pan, Shahin Samadi, Greg Schmidt, Steve Ungar

NEXT MEETING:	Date	Time	Building	Room
	Friday, December 11	9:00 am	22	365

!! PLEASE NOTE CHANGE IN TIME AND ROOM NUMBER OF NEXT MEETING !!

TOPICS:

1. MODIS AIRBORNE SIMULATOR (MAS): Liam Gumley reported on the status of MAS data processing. Processing of all MAS FIRE Cirrus data has been completed with temperature dependent calibration, clock offset corrections, quicklook imagery, flight summary text, flight track maps over coastline, and Exabyte 8500 tape output. The data for each flight is stored on a separate tape. The total FIRE Cirrus Level-1B data volume is 12.27 Gigabytes.

2. DATA PRODUCTS LIST AND ALGORITHM DEPENDENCY DIAGRAM: J.J. Pan presented the latest version of the MODIS data product list. The products are separated by discipline group: atmosphere, land, or ocean. Additional columns will be added to the table to indicate which products have been "selected" as At-Launch or Post-Launch, and which products have been identified by the investigator team as At-Launch or Post-Launch. Differences will be noted. Copies of the updated list will be sent to members of the science team.

Version 4.6 of the algorithm dependency diagram is included in the

handout. Problems associated with the availability of input data from some non-MODIS sources were discussed.

Definitions of Data Levels were extracted from the MODIS science and data system requirements paper by P.E. Ardanuy, D. Han, and V.V. Salomonson, and from the EOS Project Glossary and LIST of Acronyms/Abbreviations. Some data products do not fall naturally into any one of the defined levels.

3. POINTING/POSITION ERROR BUDGET FOR MODIS: Paul Hubanks extended the information on the effects of MODIS pointing/position errors on pixel locations. Along-track and along-scan Earth location errors were shown as error ellipses for various cases. Corresponding one- sigma results are to be determined for the following cases:

- using the current error specifications,

- using the expected as-built errors,

- using expected as-built errors with static components removed through ground processing.

4. MODIS SOFTWARE REQUIREMENTS/DESIGN REVIEWS: MODIS Level-1 software requirements and design review schedules were discussed in connection with the timing of the MODIS science team meetings and the expected completion of the ECS contract negotiations. The next version of the schedule will include a more detailed accounting of subtasks.

ACTION ITEMS:

06/12/92 [Tom Goff, Lloyd Carpenter]. Due Date: 07/10/92. Develop separate detailed schedules using Microsoft Project for Level-1A and -1B software design and development. (A detailed Level-1 plan was included in the 07/17/92 handout with refinements on 07/24/92 and 10/02/92. Version 3.0 of Microsoft Project for the PC with Windows and for the Mac have been obtained and installed. The MODIS SDST data files have been transferred from the PC to the Mac and tested satisfactorily. The files were also transferred successfully back to the PC. Microsoft Project on the Mac was used to generate the Level-1A software review schedule

shown in the handout on 12/11/92.) STATUS: Open.

11/06/92 [Lloyd Carpenter]. Due Date: 11/27/92. Develop a plan for generating updated computer resource requirements for MODIS production processing. (A preliminary plan and an update of the Level-1 data rates and volumes were presented on 11/25/92. A detailed description of the Level-1A data was presented on 12/04/92.) STATUS: Open.

12/04/92 [Team]. Due Date: 12/18/92. Generate a definition for MODIS data product Level-1A, -1B, -2 and -3. STATUS: Open.