

TO: MODIS.DATA.TEAM

FROM: LLOYD CARPENTER

SUBJECT: MODIS Science Data Support Team (SDST) Minutes for May 3, 1991

ATTENDEES:	Phil Ardanuy	RDC	982-3714
	Lloyd Carpenter	RDC	982-3708
	Dave Case	ARC	805-0305
	Jy-Tai Chang	GSC	953-2700
	Al Fleig	900	286-7747
	Harold Geller	RDC	982-3740
	Tom Goff	RDC	982-3704
	Ravi Kumar	STX	286-9515
	Al McKay	RDC	982-3720
	Jim Ormsby	974	286-6811

NEXT MEETING: The next meeting of the MODIS SDST will be held at 10:00 am, Friday, May 10, 1991, in Building 16, Room 111. The meetings on May 17th and May 31st will also be held in Room 111. On May 24th, and for the remainder of the year, the meetings will be held in Building 16, Room 242.

TOPICS:

1. Comparisons have been made between the data product information extracted from the MODIS Phase C/D proposals and that contained in the preliminary version of the "Earth Observing System Output Data Products and Input Requirements" put out by the Science Processing Support Office (SPSO). All input data items found in the proposals should be included in the Input Data Survey. Required input data from other EOS instruments as well as non-EOS data should be included.
2. A detailed breakout of the MODIS Level-1A and Level-1B volume estimates was provided along with updated versions of the charts provided for the data compression workshop. A question was raised as to whether uncalibrated radiances would (or should) be included in the Level-1B product. The purpose is to assure that investigators will be able to start from uncalibrated radiances, if they prefer.
3. The SDST should document what processing will be done at Level-1A and Level-1B and what information will be included in each product. A

list of assumptions, brief rationale, and trade-offs, should also be given. This document should be updated as appropriate, and distributed to the science team members for comments. An initial draft should be prepared by May 10th, the final draft should be ready on May 17th, and it should be ready for mailing by May 24th.

4. There was considerable discussion of the MCST document on MODIS Geometric Knowledge and Control Assessments, particularly in regard to 1) MODIS ability to contribute to the real-time knowledge of platform attitude; and 2) all tilt changes being completed between scans (for example, when changing from -20° to maximum positive tilt to switch from ocean viewing in the southern hemisphere to BRDF-type observations over land).

5. The Global Topography Working Meeting of April 29 & 30 was discussed, with emphasis on MODIS requirements and projected available accuracies.

6. In connection with BRDF studies, the SDST should conduct a simulation study of satellite locations when oceans cannot be observed. Generate plots of land-ocean coverage considering different seasons of the year. Look at how much the tilt strategy affects the BRDF study, etc.

7. In connection with a meeting on physical climate and hydrology announced in the Earth Observer, a question was raised as to whether the SDST should have a role in transferring information between those who will generate MODIS data products and the scientists at such meetings. How can MODIS best be adequately explained at these meetings?

ACTION ITEMS:

04/26/91 [Lloyd Carpenter and Team]: Review the request for MODIS product information that was received from Paul Hwang, compile required information, and draft a reply letter by May 10th. The request has been reviewed, and the required information is being compiled. STATUS: Open.

04/26/91 [Lloyd Carpenter and Phil Ardanuy]: Provide a detailed breakout of the MODIS Level-1A and Level-1B data volume estimates provided by the SDST for the data compression workshop. Correct the column labels in one of the presentation slides. Breakout and corrections completed. STATUS: Closed.

04/26/91 [Team]: Contact the University of Miami to determine their data

quality control requirements for Level-1A data. Miami requirements will be included with those of other team members who respond to the information to be provided in Item 3 above. STATUS: Closed.

04/26/91 [Lloyd Carpenter and Team]: Determine the instrument point-of-contact for data issues relating to the MODIS-N and MODIS-T instruments and initiate discussions relating to features of the instrument/ground-processing-system interface. Still working on this for MODIS-N. For MODIS-T, contacts have been identified for specifications, hardware, and data systems questions. Discussions will be initiated. STATUS: Open.

04/26/91 [Team]: Review the MCST distribution of MODIS Geometric Knowledge and Control Assessments, identify salient points, and recommend future related SDST activities. Was presented at the May 3rd meeting by Phil Ardanuy. Further work needed (see Item 4 above). STATUS: Open.

05/03/91 [Team]: Document plans for Level-1A and Level-1B processing, and indicate what information will be included in each product. Include a list of assumptions, brief rationale, scenarios, and trade-offs. Prepare an initial draft May 10th. The final draft should be ready on May 17th, and it should be ready for mailing to the team members by May 24th. STATUS: Open

05/03/91 [Team]: Prepare a bi-weekly assumptions list, to be included in the minutes once a month with the changes highlighted, and to be distributed at some interval. STATUS: Open