



MODIS SCIENCE DATA SUPPORT TEAM PRESENTATION

September 10, 1993

AGENDA

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ACTION ITEMS

No.	Due Date	Item
1.	08/13/93	[Tom Goff]. Determine MODIS requirements for metadata on ancillary products. These include Version Number, changes in generating software, etc. STATUS: Closed. (Assigned 07/30/93)
2.	08/13/93	[Al Fleig] Speak to Steve Unger on simulation data. Develop an approach for a plan for simulated test data. STATUS: Open. (Assigned 07/23/93)
3.	09/03/93	[Paul Hubanks & Carl Solomon] Evaluate the SeaWiFS scheduling algorithm and code to see if it can be applied to MODIS prototyping. STATUS: Open. (Assigned 06/25/93)
4.	09/20/93	[Al Fleig, Paul Hubanks, Jim Storey] Prepare response to "MODIS pointing knowledge" for Dave Diner/Scientific Working group AM1 Platform (SWAMP). STATUS: Open. (Assigned 09/03/93)
5.	09/30/93	[Al Fleig] Develop meta-documentation concept for ATBDs. STATUS: Open. (Assigned 09/03/93)

MODIS Airborne Simulator (MAS) Status

Paul A. Hubanks

Progress through 09 September 1993

1. New platform position error numbers from Martin Marietta
(Last week: Issued new platform pointing error estimates.)
Continuing Update of E.L.E. Report.
2. ASTEX Processing Status:
 - Incorrect configuration shown in ASTEX Mission Summary Log (from AMES) for 29May92 flight (Jedlovek not King) - necessitating reprocessing of 29May flight (Halls Snow data).
 - All other ASTEX flights - completed.
3. FIRE Processing Status:
 - Release of final FIRE calibration from Dr. King's group has been put on hold.
 - Setting up batch job input files, verifying flight tracks for FIRE also put on hold.
4. SCAR-A Processing Status:
 - Contacted Chris Justice: moving 5 SCAR-A flights up in the processing queue
Should process 5 flights with preliminary calibration later this month.
Will probably need to reprocess using final calibration, downstream.
 - Dr. Kings group is expecting to issue a preliminary SCAR-A calibration on Friday September 17th.
 - Dumped 12July93 SCAR-A flight to disk. Found navigation data was bad.
Navigation file used as input to several different programs. Easier to develop a navigation file clean-up program than modify several MAS processing programs to include bad navigation data checks. This is a priority item.
 - Liam Gumley in Dr. Kings group informed me that several flights in SCAR-A had clock settings in the MAS data file that were offset by 1 hour.
Current clock offset code (developed for FIRE) assumes:
 - *.MAS file has correct time
 - *.NAV file is offsetSCAR has:
 - *.MAS file with offset clock
 - *.NAV file has correct timeNeed to modify code to handle new clock offset problem (priority item).

MODIS Land Prototype

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Work through 09/09/93

MODIS Land Prototype

1. Fire Product

I have run another orbit of AVHRR data using the global fire program. The orbit covers west Africa. The size of the image is 11156x2048 pixels. The program took about 1 hour CPU time to finish on the 'challenge'. The image has been sent to Jackie Kendall. The result shows fewer fire pixels than the image of America we have run previously.

2. Land Cover Product

Two program source codes have been received from EDC. One is the routine to map latitudes and longitudes to the lines and samples in the Bi-weekly AVHRR CD-ROM data. The other is the routine to map the lines and samples in the same data to latitudes and longitudes. These programs will be used in the process of registering the AVHRR CD-ROM data with the TM data.

3. Snow Cover Product

Dr. Dorothy Hall talked to me about prototyping the snow cover product. She would like me to run her snow cover program using AVHRR data (GAC or LAC) on some northern hemisphere area (e.g. Alaska) to get a weekly snow cover composite. I have contacted Dr. Compton Tucker for some AVHRR GAC data. I will also contact EDC for some winter season LAC data.

MODIS Ancillary Data

The MODIS Ancillary Data Report has been updated to include the information from the two new ATBDs I received. A new column "Info Source" has been added to indicate the source of the information received.

MODIS SDST Meeting Calendar

September 1993

Monday	Tuesday	Wednesday	Thursday	Friday
<div style="border: 1px solid black; padding: 5px; width: fit-content; margin: auto;"> Mtg. A: Masuoka, Fleig, Carpenter Mtg. B: Masuoka, Fleig, Barker </div>			3-4p: Tech Team	10a: SDST, B22, Rm G95
		1	2	3
Holiday		11a-1p: HDF	8:30-10a: SW+DMP 10a-12p: ECS SRR RIDs 3-4p: Tech Team	10a: SDST, B22, Rm G95
6	7	8	9	10
2:30-3:30p: A 4-5p: B	ECS SRR	ECS SRR	DPFT IV DOAFT 3-4p: Tech Team	DPFT IV DOAFT
13	14	15	16	17
2:30-3:30p: A 4-5p: B			3-4p: Tech Team	10a: SDST, B22, Rm G95
20	21	22	23	24
2:30-3:30p: A 4-5p: B US/Japan Ocean Color, GSFC	Calibration, B22, Rm 241 US/Japan Ocean Color, GSFC	8a: Science Team, B8, Auditorium	9a: Science Team, B8, Auditorium	
27	28	29	30	

MODIS SDST Meeting Calendar

October 1993

Monday	Tuesday	Wednesday	Thursday	Friday
<div style="border: 1px solid black; padding: 5px; width: fit-content; margin: auto;"> Mtg. A: Masuoka, Fleig, Carpenter Mtg. B: Masuoka, Fleig, Barker </div>		<div style="border: 1px solid black; padding: 5px; width: fit-content; margin: auto;"> MODIS CDR, Goleta, CA Dec. 7-10, 1993 </div>		8:30a: Science Team, B8, Auditorium 1
2:30-3:30p: A 4-5p: B 4	5	6	3-4p: Tech Team 7	10a: SDST, B22, Rm G95 8
2:30-3:30p: A 4-5p: B 11	12	13	3-4p: Tech Team 14	10a: SDST, B22, Rm G95 15
2:30-3:30p: A 4-5p: B 18	19	20	3-4p: Tech Team 21	10a: SDST, B22, Rm G95 22
2:30-3:30p: A 4-5p: B 25	26	27	3-4p: Tech Team 28	10a: SDST, B22, Rm G95 29

MODIS SDST Document Schedule						
Document	Outline	Draft	Revision	Final	Estimated Completion	Responsible Individuals
Software and Data Management Plan	completed	completed	July 15	July 30		Carl, Ed, Al, Lloyd
Science Computing Facility Plan	completed	completed	July 15	July 30	Sept 7	Ed Masuoka
Software Guidelines/Programing Standards						Carl, Tom, John Crocker
Operations Concept	completed	completed	August 13 (to team)	Science Team Meeting November	Sept 10	John, Carl, J.J., Jim, Tom
Configuration Management Plan						Carl
Quality Assurance Plan						Sue
Geolocation ATBD		June 28		July 26	completed	Jim Storey
Level 1A Baseline Requirements	completed	completed	completed		completed	Lloyd, Tom, Carl, Jim
Level 1A Preliminary Design Report						Tom, Jim, John C.
Level 1B Requirements Report						John Barker, Tom, Joann Harnden
Level 2 Shell Requirements Report	Aug 27	Sept 10	Sept 24	Sept 30	Oct 8	J.J., John C.
Software Test Plan						Sue, Phil
ATBD meta-documentation	completed			Sept 27		Al