Posted: Mon, Dec 2, 1991 4:50 PM EST Msg: FJJB-1693-7785
From: LCARPENTER, To: MODIS.DATA.TEAM,

MODIS Science Data Support Team (SDST) Meeting Minutes 11/22/91

ATTENDEES:

Lloyd Carpenter	RDC	982-3708
Al Fleig	900	286-7747
Harold Geller	MCST/RDC	982-3740
Tom Goff	RDC	982-3704
Liam Gumley	RDC	982-3748
Lou Kouvaris	Hughes	464-7365
Ravi Kumar	STX	513-1630
Ed Masuoka	920	286-7608
Al McKay	RDC	982-3720
Jim Ormsby	974	286-6811
Wil Webster	920.2	286-4506

NEXT MEETING:

Date	Time	Building	Room
Friday, December 06	10:00 am	16	242

TOPICS:

1. MODIS DATA SIMULATION: Harold Geller brought to my attention the following item which should have been included in the SDST Minutes for 11/15/91: Harold Geller, the MODIS Characterization Support Team (MCST) representative to the SDST, brought up the issue of MODIS data simulation. The MCST has already begun a task to generate simulated MODIS data using LandSat data. The MCST has a requirement for simulated MODIS data for the purpose of characterizing the MODIS instrument, and the SDST has a requirement for simulated MODIS data which will exercise the various special cases in the MODIS processing software. Al Fleig will confer off-line with John Barker regarding MODIS data simulation.

2. MODIS IMAGE REGISTRATION: Jim Ormsby presented a list of proposed questions on image registration requirements to be sent to the MODIS Science Team Members. The responses will form a basis for design of MODIS image registration software and assessment of computer resource requirements

3. CASE TOOLS AND THE (TLCF): Ed Masuoka checked on the TLCF requirements for CASE tools and found that the ID Software through Pictures

would cost about $22K, and Cadre Teamwork would be about the same. Automated configuration management is essential on the TLCF. The Workplan must contain a plan for the use of CASE tools. Discipline in MODIS software management must reside in the SDST.

Al McKay presented an update to the TLCF context, interfaces and data flow, as well as a preliminary schedule of utilization. Greater detail is needed with respect to CASE Tools and software integration and testing. The TLCF plan must have a thorough schedule for growth of the TLCF to the full operational capability.

4. MODIS AIRBORNE SIMULATOR (MAS): Liam Gumley was in Houston from November 12th to the 15th in support of the MAS deployment for FIRE (First ISCCP Regional Experiment, Phase 2). Shielding improvements were successful in reducing the coherent noise in channels 7, 8 and 9 of the MAS, and in stabilizing the black-body counts in channels 7 to 12. All channels showed good image data from the science flights over Coffeyville, Kansas. A total of about 10 flights of the MAS instrument during FIRE are expected. The third flight was in progress at the time of the last report (November 21). Data from the first flight is expected from Ames in a day or two.

During this week the MAS processing code was ported from the LTP VAX to the LTP Silicon Graphics Iris, which is faster by an order of magnitude.

If a high-speed communications link is available between Goddard and Ames, we should try sending some MAS data to see how it works.

5. MODIS SDST PROJECT PLAN: Lloyd Carpenter presented an updated version of the MODIS SDST Project Plan.

Jim Ormsby provided extensive written comments on the previous draft version of the FY 1992 Work Plan. A meeting was scheduled between Al Fleig and Lloyd Carpenter for a detailed discussion of the work plan.

6. STYLE GUIDE FOR MODIS ALGORITHM CODE: Tom Goff presented a sample source listing of a "C" program as a strawman to generate comments as a basis for a style guide for MODIS algorithm code. The program retrieves MAS data in NETCDF format and places the radiance values into a PCI EASI/PACE flat data file sequentially by channel number. It was recommended that the listing be placed on the MODIS.DATA.TEAM bulletin board for easy access by all who are

interested.

ACTION ITEMS:

08/30/91 [Lloyd Carpenter and Team]: Draft a schedule of work for the next 12 months. Include primary events and milestones, documents to be produced, software development, MAS support, etc. (Further expansion is required.) STATUS: Open. Due date 09/27/91.

10/04/91 [Phil Ardanuy and Team]: Prepare questions for the project to characterize the spacecraft position and attitude knowledge and the MODIS pointing knowledge in a way that will facilitate the evaluation of methods such as image registration to meet the science team requirements for earth location. (The letter to the project was prepared, 10/28/91.) STATUS: Open. Due date 10/18/91.

11/08/91 [Tom Goff]: Meet with Angel Li (currently at GSFC) again before he leaves GSFC for more information regarding the DSP. (Angle Li has returned to Miami.) Status: Closed. Due date 12/06/91.

Posted: Mon, Dec 2, 1991 7:00 PM EST From: AFLEIG
To: LCARPENTER, Subj: RE: MODIS SDST Minutes 11/22/91

Lloyd, We need to schedule another discussion of the plans, our staffing level, and project management tools. But this move may disrupt my schedule for a day or two so perhaps next week. Al