ted: Thu, Aug 27, 1992 9:59 AM EDT Msg: LJJC-1722-7005
m: LCARPENTER
MODIS.DATA.TEAM
bj: MODIS SDST Minutes

DIS Science Data Support Team (SDST) Meeting Minutes 08/21/92

TENDEES: Paul Anuta, Lloyd Carpenter, Paul Chan, Tom Goff, Jim
nsby, J. J. Pan, Debbie Ramey, Lalit Wanchoo.

XT MEETING: Date Time Building Room
Friday, August 28 10:00 am 22 G95

PICS:

bbie Ramey (MDSSC/CSC) discussed the EOS-AM1 Operations
ncepts for Edward Chang (Code 421), EOS-AM Operations Manager.
e presentation included:

S/C Command and Data Handling (C&DH)

Space-Ground Communication Links: K-Band and S-Band

End-to-End Data System, Science and Engineering Data

EDOS - Return Link Data Processing

CCSDS Packet Data Format

EDOS - DAAC - Control Center, EOC Context

Level-0 and Quick Look Processed Data

Scheduling and Commanding - Command Data - Data Flow

Housekeeping Data; Health and Safety Data.

MODIS AIRBORNE SIMULATOR (MAS): Liam Gumley (on vacation)
tributed a progress report for the handout. Considerable
ort was spent on extending and improving the NetCDF file
ucture, including a re-write of the NetCDF interface routine
FORTRAN-77. An itemized list of the major changes is given in
handout, together with a detailed example of a flight-line
.

e MAS software was also simplified and streamlined in the way
location data are computed.

MAS Metadata generation program was written to summarize the
htline parameters for all of the NetCDF MAS files for any

en flight.

processing of the MAS FIRE dataset is proceeding.

MODIS HIGHER-LEVEL PROCESSING SHELL DESIGN: J.J. Pan has lated the algorithm dependency diagram based on updated input a information provided by the SPSO. Several questions were ntified. These were discussed with Dr. Mike King who said the dependency diagram would provide him with some useful ormation in considering which algorithms are essential in the t phase.

onceptual algorithm integration plan is being prepared to:

lescribe the relationships between algorithms and the shell,

ddress questions arising when required input data are nvalid or unavailable, and

pecify the toolkit requirements for algorithm integration.

updated schedule for a typical algorithm integration was luded in the handout.

MODIS LEVEL-0 PACKET SIMULATION: Tom Goff presented a draft uirements specification for a MODIS Level-0 Packet Simulator. requirements need more explanatory information. Ed Masuoka Al Fleig should check with SBRC to see if their simulator will et these requirements.

MODIS LEVEL-1B GEOLOCATION: Paul Hubanks presented initial ns for development of some of the modules required for location of MODIS data. He was asked to first check to see at existing software is available, and what EOSDIS plans to vide.

TION ITEMS:

24/92 [Lloyd Carpenter & Team] Develop a staffing plan for accomplishment of the tasks shown on the schedule. (A draft sion of the staffing plan has been developed and delivered.) ATUS: Open. Due Date: 06/12/92

12/92 [Tom Goff] Develop separate detailed schedules using crosoft Project for Level-1A and -1B software design and elopment. (Updated results were included in the handout and sented at the meeting on July 24, 1992.) STATUS: Open. Due e: 07/10/92

31/92 [Lloyd Carpenter] Call Ken Carder to tell him that we eived his input to the SCF Plan and it's good. Ask him if we use it as an example to the other TMs of what we need from

m. (The call was made, and the response was positive.)
ATUS: Closed. Due Date: 08/28/92

31/92 [Ed Masuoka] Find out, or decide, who should interface
h Code 930 on SLIP. (Ed says this may not be necessary,
ding the outcome of current efforts.) STATUS: Open. Due
e: 08/28/92

31/92 [Tom Goff, Ed Masuoka, Al Fleig] Develop the purpose
requirements for a packet simulator. Get more information on
packet simulator being developed by SBRC. (A draft
uirements specification was included in the handout. Ed or Al
heck on the SBRC packet simulator. See if it will meet our
ds, and if/when it will be available to the SDST.) STATUS:
en. Due Date: 09/04/92

21/92 [Paul Hubanks] Check to see what existing geolocation
pixel navigation software is available, and what EOSDIS plans
rovide. STATUS: Open. Due Date: 09/04/92