

MODIS Team Meeting Minutes

Minutes of the MODIS Team Meeting held on Tuesday October 12 1993.

Action Items:

69. Determine if the Schaeffer Magnetics' plans to calibrate the encoder are adequate. Assigned to Roberto 8/31/93. Due 10/ 1/93
70. Evaluate the thermal design of the Schaeffer Magnetics' motor/encoder. Assigned to Daelemans 8/31/93. Due 10/15/93
71. Provide technical input which addresses the definition and impact of levels of software criticality for the MODIS Software Management Requirements Document (SMRD) Configuration Change Request (CCR). Assigned to Sabatino 9/21/93. Due 10/19/93
72. Investigate the adequacy of SBRC capability to maintain temperature plateaus during instrument testing in thermal vacuum. Assigned to Daelemans 10/12/93. Due 11/ 2/93
73. Complete the MODIS brochure and released for printing. Assigned to Bauernschub 10/18/93. Due 11/15/93.

The following items were distributed:

- 1) Weekly Status Report #108
- 2) SBRC Memos submission from week #100
- 3) Minutes of the last team meeting

Attendees:

✓ Dick Weber	Bruce Guenther	June Tveekrem
John Bauernschub	✓ George Daelemans	Bob Martineau
Rosemary Vail	John Barker	✓ Bob Silva
Lisa Shears	Joann Harnden	Ken Brown
Mike Roberto	Patricia Weir	Robert Kiwak
✓ Nelson Ferragut	Mitch Davis	✓ Harvey Safren
✓ Gene Waluschka	Jack Ellis	✓ Ed Knight
Kate Forrest	✓ Ken Anderson	✓ Harry Montgomery
✓ Bill Barnes	✓ Rick Sabatino	Marvin Maxwell
Les Thompson	✓ Cherie Congedo	

MODIS Weekly Technical Report for October 19, 1993

Bob Martineau, Mike Roberto and Les Thompson are at SBRC this week to discuss the cracking of MODIS detectors during thermal testing.

Gene Waluschka will visit SBRC at the end of September to discuss setting up a polarization models. All SWIR runs are done. IFP is not a problem, but there is still a problem with the old ghost images in the along track direction.

George Daelemans discussed the cooldown rate used in the detector thermal testing. It appears to be far too rapid (30 minutes to cooldown, versus 3-4 hours for a similar temperature decrease on-orbit).

Cherie Congedo had been unofficially asked about converting the detector test structure to INVAR (rather than stainless steel). It appears this is undesirable, since it would be less representative of the on-orbit conditions. She is also preparing to do one additional STOCS analysis as a final check of the STOP model.

Bill Barnes is evaluating the SBRC radiometric error analysis. It appears some errors, such as wavelength shifts, may be unnecessary.

Rick Sabatino has finished reviewing the flight S/W CDRL submittals, and will forward comments shortly. SBRC has a software consultant in plant at this time, and is planning to add another in 2 weeks. These consultants are being used to process the straightforward tasks, and the design is still being done by the lead engineer.

Bob Silva mentioned Ed Schultz had visited GSFC last week. The meeting on safety went well, but there were problems with the materials meeting. He believes the halogen lamps for the SRCA will meet a 1000 hour lifetime, and perhaps a 3000; however, they are doubtful for more than 3000 hours. Also, it will involve some additional test costs to test beyond the planned 1000 hours. He will also look into the kinematic mount failure report.

Nelson Ferragut mentioned the CDR for the motor encoder has been postponed one day. John Sudey will attend.

Ken Anderson October 15, 1993