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*** WBS 4. 1. 5 CALORIMETER (N. Johnson)

4. 1. 5. 1 CAL Management

Preparation for PDR is underway. Remaining technical issues are being identified and addressed. Program documentation is under review and update. These activities will continue through PDR.

Additional Technical Interchange Meetings have been held between the NRL and the French Program Offices to discuss open technical issues (Flex cable connection, PIN bonding, CSI wrapping).

Detailed review of schedule import to PMCS continued.

Costing update is continuing.

4. 1. 5. 3 Mission Assurance

- Attended weekly meetings of CAL and ACD.
- Resolved issues related to selection of MCM materials.
- Prepared a process document for bonding of PIN photodiode to crystals and discussed with French.
- Resolving issues related to acceptance and qualification of thermal cycling and thermal VAC cycling required for CAL and ACD hardware.
- Discussed part list requirements with CAL, ACD, and TKR electrical engineers.
- Preparing a flex qualification specification for PIN photodiode.
- Resolving ACD and CAL peer review action items related to ASICs testing from wafer to package.

4. 1. 5. 5 Crystal Detector Elements

- Started epoxy thermal cycle tests with large number of previous and latest prototype diodes on best candidate epoxy. (NRL)
- Found and squished minor bug in Crystal Optical Testing Station data acquisition software. Several extra bytes were accidentally being added to the header record. New version sent to Swedish colleagues.

4. 1. 5. 6 Pre-Electronics Module (PEM)

- Started initial tests of PEM GSE electronics. (NRL)

4. 1. E. 3 CAL Balloon Flight

Continuing work on energy calibration algorithms. (NRL)

Beginning a program of studying the long-term stability of the light tapering curves, by comparing Nov 99 tapering (from BTEM CAL assembly) to Aug 01 balloon

FW GLAST LAT Project Weekly Report for the Week Ending Sept. 21 2001.txt
flight tapering. (NRL)

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