

June 19, 2003, 9am PDT, CAL-GRID Status meeting with GSFC

Attendance:

GSFC: Al Vernacchio, Art Whipple, Jim Ryan, Sharon Seipel, Bernie Graf, Larry Mignosa

SLAC: Marc Molini, Eric Gahwen, Mike Menning, Lowell Klaisner, Martin Nordby, Marc Campell, Rich Bielawski, John Hodgson, John Ku

Agenda:

Menning Plate design status: Mike Menning

Spacecraft region plate stress analysis: John Ku

Strength Qualification Plan: Martin Nordby

Mike Menning explained differences in plate designs and constraints leading to the present designs. He continued to discuss modifications needed for the CAL plates and the steps needed to close. Mike Menning and Marc Molini are preparing a verification plan for the epoxy injection process.

John Ku discussed status of the stress analysis.

Martin talked about strength qualification plan, and stepped through the qual plan. Larry brought up questions about the load values. Not yet resolved is the issue of which results from Scott Gordon's memo need to be enveloped? SLAC's understanding is to derive loads from Table 1, center of mass accelerations. GSFC's understanding is to envelope CLA derived interface forces, Table 2.

Discussing CAL-Grid strength test, Martin proposed testing grid box with load path going through the CAL plates. GSFC questioned whether it was possible (or necessary) to account for TKR contribution too? Larry Mignosa mentioned that he thought most of the load comes in through the TKRs, SLAC disagreed. The bottom line is to ensure that the adequate stresses are imposed during the testing of the grid box. The intent of this discussion was to make sure we all agree on the strength qual plan. Martin reiterated the importance of closing on the plan soon so as to not negate results on the shear-tie plates. Sharon Seipel will send comments on the Strength Qualification Plan and we will discuss when they are at SLAC next week.

L. Klaisner