

To: GLAST LAT FSW EM-2 Design Peer Review Committee Members

Reference: LAT FSW EM-2 Design Peer Review Charge

In order to assure that the GLAST-LAT FSW Engineering Model #2 design and development is progressing satisfactorily, the GLAST-LAT Project Management is holding a FSW Peer Review. We request your participation in this Peer Review scheduled for Thursday, February 26th.

The Committee Chairs and Membership are listed below. The Chairmen will be responsible for coordinating Request For Actions (RFAs) that are proposed during the review and producing a summary consensus report. The chair should submit the report to Lowell Klaisner within ten business days of the conclusion of the respective Subsystem Peer Design Review. RFAs will be tracked and reported at subsequent Monthly reviews.

A website with the review material has been built and is available to the Review team. Review material will be posted on or before Friday, February 20th. The URL for the website is:

http://www.slac.stanford.edu/exp/glast/flight/web/FSW_review_em2.shtml

The main LAT Flight Software website provides links to a range of FSW documentation. Please find it at:

http://www.slac.stanford.edu/exp/glast/flight/web/FSW_home.shtml

The review team is encouraged to review the web site design information in advance. The one-day review will present the highlights of the EM-2 components, but due to time may not cover a particular detail in which you are interested. The EM 2 FSW components are an Engineering development effort targeted towards the LAT DAQ/FSW Test Bed and the Instrument Simulator (ISIS) provided to the Spacecraft Contractor. While no formal validation of requirements is intended with this development, the ISIS delivery will be utilized to fully demonstrate the formal Acceptance Testing approach that will be used for the Flight Unit FSW. For this reason the review team is asked to ensure that the FSW team has a clear understanding of functionality to be provided, baseline control and verification approach.

The Committee is requested to evaluate and address the following questions:

- Are the EM-2 components at a design maturity, test and verification planning sufficient to meet the EM-2 objectives?
- Has the Flight Software team identified open design or implementation issues and established appropriate resolution plans?
- Is the EM-2 Flight Software near readiness for implementation and build/release testing?
- Are there other issues the committee feels should be addressed?

EM-2 FSW Design Peer Review Committee Members: Al Vernacchio (chair), Dick Horn (co-chair), Steve Scott, Ron Zellar, Stephe Leake, Mike Beims (GSFC).