
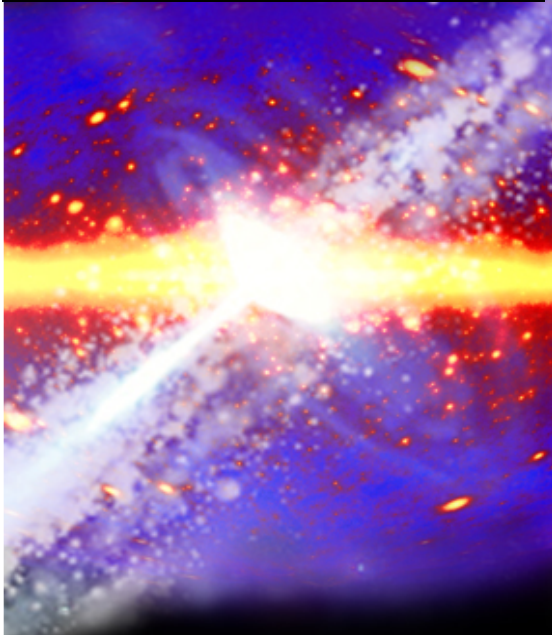


**Gamma-ray Large
Area Space
Telescope**



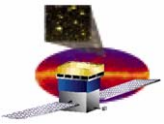
GLAST Large Area Telescope

**Instrument Flight Software
EM2 Design Review
29 January 2004**

Summary

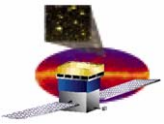
**T. L. Schalk/G. Haller
U. C. Santa Cruz/SLAC**

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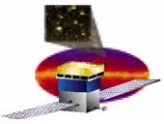
Summary

- **Presented EM2 Design**
 - **Customers**
 - **Architecture**
 - **Requirements mapping to functions**
 - **Functions/Packages**
 - **RAD750 boot/1553 (Primary Boot Code/Secondary Boot Code)**
 - **Configuration**
 - **Event Delivery**
 - **Housekeeping**
 - **Telecommand/Telemetry**
 - **Inter-Task Communciation**
 - **Software Watchdog**
 - **Wallclock Time**



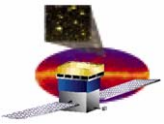
Summary (con't)

- Design documents and manuals are posted on the web-site
- EM2 is being implemented, coded and debugged
- Testbed to test EM2 is defined and is in commissioning
- Open:
 - **Test scripts and procedures for releases**
 - Resolution: Added manpower and looking for additional SE's



Summary (con 't)

- **Lots of work still to be done**
- **Group is being strengthened**
 - **Dedicated ISIS lead engineer joins SLAC Feb 5 (SW engineer from Loral)**
 - **Requirements**
 - **Interface to SAI**
 - **Documentation**
 - **Test procedures**
 - **Hardware system**
 - **Software system**
 - **Test/requirement sign-off**
 - **Etc**



Summary (con't)

- Replaced SE lost due to health problems (Monzirad -> Mazzoni)
- Hired additional Tech writer (Arndt)
- Added 2 SU Research Assistant for testing (Asim, Erik)
- Software Developer from BaBar DAQ will join in March (Amadeo)
- 2 Post-docs from Cornell will join April 5 (experienced testing physics detector DAQ systems) (Jana and Gregg)
- 2 collaborators from Ohio are joining DAQ effort in April

- Still looking for tester and for additional SE