GBM Status

- Systems CDR held June 28/29
  - Last of 4 CDRs on GBM
  - 23 RFAs written
- Detectors
  - Schedule pressure due to parts procurement problems
  - Flight crystals complete
- DPU
  - Two engineering units at MSFC
  - Flight unit started
- Thermal design issues resolved
- Flight Software Build 1 testing started
- Ground software coding started

Significant Future Milestones

Delivery of detector Engineering Qualification Models	October 23, 2004
Delivery of flight DPU	November 30, 2004
Delivery of Flight detectors (Critical Path)	April 7, 2005
Start of Instrument Environmental Testing	June 13, 2005
Delivery to Spectrum Astro	November 15, 2005

Contingency for Delivery to SC: ~60 days

GBM Issues

- FY2005 Funding
  - Shortfall due to full cost accounting and unanticipated expenses
  - Prospects good for additional funds
- FSW crashes
  - Appear to be several causes
  - Most difficult appear to be power supply related
- NaI performance
  - Silicone pad 0.7 mm thick behind entrance window
  - Transmission at 10 keV is ~25%
  - We will not reach goal of 5 keV

GBM as an All-Sky Monitor

- Idea is to use Earth-occultation technique as was done with BATSE
- GBM has lower sensitivity but also lower energy threshold
- RFA submitted at the Science Requirements Review to make this capability a GBM requirement – not accepted
- GBM hasn't the resources to do this gratis
- Appropriate as a guest investigation
- Desirable to have in place at launch