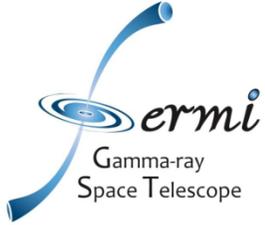


# Fermi GI Program Update

**David Band, FSSC**

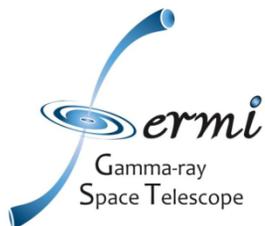
**CRESST/GSFC/UMBC**



# Status of Cycle 1 Program

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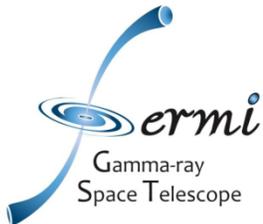
- **Cycle 1 began August 14, 2008!!!**
- **All but one GI received grant by beginning of cycle**
  - **One GI changed institutions**
- **All reports have been submitted (e.g., number of NASA FTEs, report to Congress)**
- **Now we wait for the resulting science!**



## ROSES '08 Text

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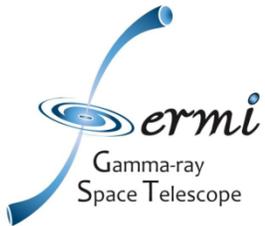
- **The Cycle 2 proposal process will be part of ROSES '08. A placeholder was put into the initial ROSES '08 NRA, and must be amended.**
- **The text of the amendment was circulated to the FUG.**
- **The amendment must be released at the beginning of the 3 month proposal period (schedule discussed later), but probably will be released earlier.**



## Notable Points About ROSES Text

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- **The Cycle 2 program is \$8M.**
- **We anticipate accepting ~75 regular and ~8 large proposals, but the peer review will determine the breakdown.**
- **We continue to use a 2 phase proposal process, with regular (1 year) and large ( $\leq 3$  year) proposal classes.**
  - **Phase 1 proposals submitted through RPS**
  - **Phase 2 proposals (budget) submitted through NSPIRES.**
- **Phase 1 proposers provide a budget estimate that cannot exceed these ceilings: \$80K for regular and \$200K for large proposals.**
  - **The peer reviewers will see this estimate.**
  - **The detailed phase 2 budget may exceed this estimate.**

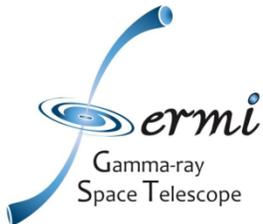


## Notable Points About ROSES Text, cont.

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- **Requests for pointed LAT observations are permitted but must be justified. We need to post the white paper on survey vs. pointed observations on the FSSC website.**
- **Joint NRAO/NOAO program proposals are allowed an extra page for details of the proposed observing plan. The instructions website will provide further guidance.**
- **The limit of 4 pp. for regular and 6 pp. for large proposals (plus one for joint program observations) includes references and figures.**
- **The NOI submitted through the FSSC website is optional.**

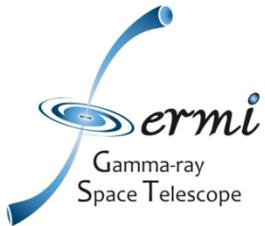


## Notable Points About ROSES Text, cont.

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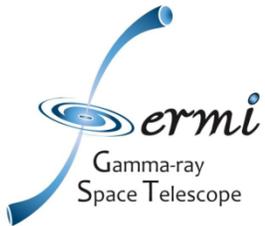
- Proposed investigations should avoid duplicating two LAT goals:
  - **Event reconstruction**
  - **Production of a catalog of gamma-ray sources**
- The GBM's goal of creating a GRB catalog of spectra and localizations is noted but not 'reserved.'
- As in Cycle 1, PIs of large programs must submit progress reports for the 2<sup>nd</sup> and 3<sup>rd</sup> cycles after initiation of awards; programs will be assessed by the panels that review new proposals and can be cut or terminated if the progress is deemed insufficient.



# Planned Proposal Tools

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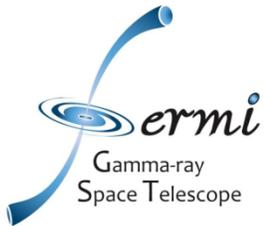
- **Webform predicting LAT exposure-source strength-significance**
  - **Exists, need data from LAT team**
- **GLASTspec—runs XSPEC's fakeit**
  - **Need to revisit models. Which event classes?**
- **GTOBSSIM—simulation capability from SAE**
  - **Possible only after SAE released**



# RPS For Phase 1 Proposals

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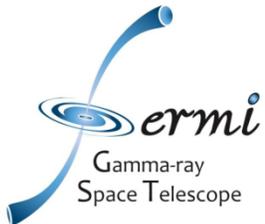
- **RPS with target forms was tested internally and in ground system tests.**
- **Targets are input into FSSC operations databases.**
- **Summary information about joint program observations is input on the RPS form, and detailed information is input on the additional page of the science justification.**



# Schedule

- If we use the standard timing of proposal evaluation then:
- **Note: The Cycle 2 proposal deadline is only ~3 weeks after the release of the LAT 6 month source list and the SAE! The SAE will be used for advanced simulations.**

Date	Mon. Rel. to Cycle Start	Mon. Rel. to Launch	Event
6/11/08	-2.1	0.0	<b>Launch</b>
			<b>Cycle 1</b>
2/16/07	-17.9	-15.8	ROSES Release
6/7/07	-14.3	-12.2	Release of proposal materials on FSSC website
9/7/07	-11.2	-9.1	GI Cycle 1 Proposal Deadline
12/17/07	-7.9	-5.8	Peer Review Panels Meets
1/25/08	-6.6	-4.5	Phase 1 Acceptances and Rejections sent out
2/29/08	-5.5	-3.4	Funding Proposals Due
8/14/08	0.0	2.1	GI Cycle 1 Begins
			<b>Cycle 2</b>
12/6/08	-8.2	5.8	Release of Proposal Materials on FSSC website
2/13/09	-6.0	8.1	SAE Proposal Release (0.9)
2/13/09	-6.0	8.1	Release of LAT 6 Month Source List
3/6/09	-5.3	8.8	GI Cycle 2 Proposal Deadline
5/4/09	-3.4	10.7	Peer Review Panel Meets
6/15/09	-2.0	12.1	Phase 1 Acceptances and Rejections sent out
6/15/09	-2.0	12.1	Request Funding Proposals
7/15/09	-1.0	13.1	Funding Proposals Due
7/30/09	-0.5	13.6	Funding Decision
8/14/09	0.0	14.1	GI Cycle 2 Begins
8/14/09	0.0	14.1	SAE Full Release (1.0)



# Options

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- **Maintain this schedule**
  - **Downside: Investigators will have LAT source list and SAE (for advanced simulations) for only ~3 weeks before the proposal deadline.**
- **Slip schedule 2 months, with Phase 1 acceptances/rejections sent out when Cycle 2 begins**
  - **Downside: Successful GIs may not have enough time to prepare for the cycle before its begins**