

GLAST LAT IDT & Collaboration Meeting
October 22-25, 2002
Goddard Space Flight Center
Draft 2.2

Day 1: Tuesday, October 22, 2002 Technical Meeting

8:45 am Intro and Overview P. Michelson
 8:50 am Technical Management Processes,
 and Summary of Open Technical Issues..... L. Klaisner

9:30 am DATA ANALYSIS SOFTWARE

9:30 Introduction and Overview.....R. Dubois
 9:45 TKR Simulation and Recon Overview,
 and Performance.....T. Usher
 9:55 Kalman Filtering 101, Analysis,
 and Issues.....W. Atwood
 10:40 TKR Recon: Performance..... T. Usher

11:00 BREAK

11:15 DATA ANALYSIS SOFTWARE (CONTINUED)

11:15 CAL Simulation and Recon Overview.....M. Strickman
 11:30 ACD Simulation and Recon Overview.....H. Kelly
 11:40 Using the Software.....R. Dubois

12:05-1:30 PM LUNCH

1:30 PM TRIGGER AND EVENT FILTERING

1:30 PM Expected Backgrounds.....T. Kamae
 1:50: PM Introduction.....S. Ritz
 2:30 PM Basic Trigger and Filtering Scheme
 Benchmarks, and Status.....J. Russell
 3:15 PM Next Steps, Margins
 and Contingencies.....S. Ritz, J. Russell

3:40 BREAK

4:00 PM Considerations about onboard GRB
 Sciences..... J. Norris

4:20 – 5:20 OPEN FOR ADDITIONAL DISCUSSIONS

5:30 pm RECEPTION

Day 2: Wednesday, October 23, 2002 Collaboration Science Meeting

8:30 am Introduction and Overview P. Michelson
 8:40 am Welcome A. Diaz
 9:00 am GLAST Mission Status L. Citrin
 9:20 am View from DOE K. Turner
 9:30 am View from NASA Headquarters P. Hertz

9:40 am	Status of LAT Instrument	S. Ritz
10:10am	Intro to Spectrum Astro and Spacecraft.....	D. Conte
10:35 am	<i>break</i>	
	Science Analysis Software Overview and Discussion	
10:50 am	Overview of Software Development Plan	R. Dubois
11:15 am	Science Analysis Tools: Requirements and Description.....	S. Digel
noon	discussion	
12:30 pm	<i>Lunch</i>	
	Collaboration Science Working Groups	
1:30 pm	Charge to Collaboration Science Topics Working Groups	P. Michelson
1:45 pm	Working Groups I-V meet	
4:00 pm	<i>break</i>	
4:15 pm	Invited Talk: Impact of the EBL on AGN Measurements, and AGN Luminosity Functions.....	F. Stecker
5:15 pm	Adjourn for the day	
5:30 pm	Tour of Swift spacecraft and instruments (Bldg 7)	

Day 3: Thursday, October 24, 2002 Collaboration Science Meeting

	Collaboration Science Working Groups	
8:45 am	continue from previous day	
1		
0:45 am	<i>break</i>	
11:00 am	continue working groups	
noon	<i>lunch</i>	
	Science Symposium on AGN jets and relativistic outflows	
1:00 pm	What Can GLAST Tell Us about AGN?.....	C. Dermer
1:45 pm	AGN Jets and GLAST.....	P. Meszaros
2:30 pm	Jets and Outflows.....	G. Henri
3:15 pm	<i>break</i>	
3:30 pm	The Jet-Disk Connection and Blazar Unification.....	F. Tavecchio**
4:15 pm	Recent TeV Observations and Connections to GLAST.....	F. Krennrich
5:00 pm	HESS Update	B. Giebels
5:20 pm	GTN Update	G. Spears
5:40 pm	Adjourn	
6:30 pm	DINNER at GSFC Recreation Center "The Physics Nobel Prize 2002".....	P.. Carlson

Day 4: Friday, October 25, 2002 Collaboration Science Meeting

9:00 am VLBA AGN Observations.....J. Ulvestad

9:50 am Brief Reports on International Developments (~10 minutes each)
Developments in France
Developments in Italy
Developments in Sweden
Developments in Japan

10:20 am Brief Announcements

10:45 am *break*

11:00 am Reports from Working Groups (12 minutes each)

11:50 am Action Items and Closeout N. Gehrels/
P. Michelson

12:15 pm Adjourn Collaboration meeting

12:20 *lunch*

** = To be confirmed

I. Working Group I: Extended Sources and Diffuse Radiation

Organizers: S. Digel, A. Strong, Y. Fukazawa

- (1) Galactic Diffuse Radiation and Emission from Normal Galaxies
- (2) Gamma-ray Emission from Molecular Cloud
- (4) Gamma-ray Emission from Plerions
- (5) Cosmic Ray Acceleration and Gamma-ray Emission from SNR shells
- (6) High-Energy Emission from Galaxy Clusters

II. Working Group II: Galactic Sources and Unidentified Sources

Organizers: I. Grenier, N. Gehrels, P. Caraveo, D. Thompson, P. Nolan

- (7) Particle Acceleration and Gamma-ray Emission in Pulsars
- (8) High-Energy Emission from Neutron Stars in Binary Systems
- (12) Unidentified Sources: Population Studies
- (13) Unidentified Sources: Radio/optical/X-ray identifications
- (14) High-Energy Emission from Stellar-Mass Galactic Black Hole Candidates
- (15) The Galactic Center

III. Working Group III: Extragalactic Sources

Organizers: C. Dermer, R. Johnson, R. Hartman, T. Kamae

- (3) Extragalactic Diffuse Radiation and LogN-LogS of Extragalactic Sources
- (9) Gamma-ray Emission from Blazar AGNS; mechanisms, multiwavelength spectral studies, time variability
- (10) Luminosity Evolution of AGN Blazars and Spectral Cutoffs: Population and EBL Studies
- (11) High-Energy Emission from Seyfert galaxies and Radio galaxies

IV. Working Group IV: Searches for New Physics

Organizers: E. Bloom, Per Carlson, A. Morselli

- (16) Spectral Searches for Dark Matter – E. Bloom
- (17) Search for Signatures of Quantum Gravity -
- (18) Search for Primordial Black Hole Evaporation -

V. Working Group V: GRBs and Solar Flares

Organizers: (N. Gehrels, J. Share, J. Scargle), J. Norris, G. Barbiellini, R. Svensson

- (19) Gamma-Ray Bursts: Testing emission models
- (20) Gamma-Ray Bursts: Afterglows and Multiwavelength Observations
- (21) Solar Flares