

DRG Activities at UNH

EVP Processing

- Data review and quality flag assignments (Freuder)

SIM Development / Processing

- SIM management (McConnell)
- Software Development (Freuder, Kappadath, McConnell)
- Routine Processing (Freuder, McConnell)
- GRO Mass Model (Morris)

Background Studies

- SAA Activation Study (Morris)

Rapid Burst Response

- Beeper Keepers (Connors, Kappadath, Young)
- Development (Connors, Schonwald)

Web Page Development / Maintenance

- COMPTEL (Stacy)
- GRBs (Connors)
- Flares (Rank)

UNH Action Item Status

- **Action Item 60.22 - Morris** **OPEN**
Impact of "off" Modules
 Study the effects of "off" modules using SIM. Requires mass model modifications.
- **Action Item 63.07 - Stacy** **OPEN**
Document PSF Generation Using SIMSPG
 Some form of user's guide will be made available.
- **Action Item 66.07 - Morris** **OPEN**
Investigate Excess Photopeak in SIM PSF
 Probably a result of inconsistent ToF selections between SIM and calibration spectra.
- **Action Item 70.09 - Morris** **OPEN**
Provide PSF Comparison Report
 Comparison between SIM and empirical PSFs.
- **Action Item 72.04 - ??** **OPEN**
Investigate Feasibility of Angle-Averaged PSFs
 The goal is to generate PSFs which could be used either throughout the FoV for a single observation or in an analysis which involves the sum of several observations where the source of interest is at different zenith angles.
- **Action Item 73.11 - Morris** **OPEN**
Define Interface between COMPASS-SIM and GRO Mass Model
 How can we get results from the GRO mass model into COMPASS?
- **Action Item 74.07 - Kippen** **CLOSED**
Assess Impact of Feb '96 SIM Changes on Results (10°, 40°)
 Marc Kippen has prepared reports which detail the effect of the latest SIM changes. See COM-RP-UNH-SIM-046 and COM-RP-UNH-SIM-048. The changes in question dealt with the secondary production (which is now turned 'on' in the simulations) and the beam area used in telescope simulations (the default now is to have photons incident over the full D1 assembly, rather than just the D1 cells themselves.)

EVP Status

- Latest processing report (issue 25) issued on Feb 20. It is available through Rita Freuder's homepage:

<http://wwwgro.unh.edu/users/rfreuder/rfreider.html>

- As of February 20, the latest day processed at MPE was February 5 (TJD 10484, VP 624.1).
- Future plan is to add sufficient diagnostics to EVPRNN output so that DDMCHK will not be needed as part of the routine processing at MPE. Software modifications should begin early next year.