



# LAT Performance Updates Plans and Procedures

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# Why and What?

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- Community needs LAT performance parameters
  - must be provided by LAT in some official manner to avoid massive confusion
  - should not change too frequently
  - must be widely available
- Current performance description page linked to top LAT page. See [http://www-glast.slac.stanford.edu/software/IS/glast\\_lat\\_performance.htm](http://www-glast.slac.stanford.edu/software/IS/glast_lat_performance.htm)
  - should now be updated
  - ADD: differential (by energy) point source sensitivity (with stated background and source spectral characteristics, as for integral point source sensitivity)
- Two options:
  1. Quick: fix a few warts on DC1 IRFs and use those
  2. Better: along with DC2 preparation, regenerate IRFs and recalculate performance parameters



# Proposed Process Steps

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1. Presentations of analyses as they proceed are first shown in the Analysis Group meeting. Presentations posted on the web, linked to top SLAC LAT page. See <http://www-glast.slac.stanford.edu/software/AnaGroup/>
  - These are always interim results. They should not be shown outside the team without all the following steps.
2. Writeup technical notes (Analysis Memo AM-#### designation) with details of the analysis in LATDocs. Example: Toby's AM on PSF and Aeff [here](#).
  - facilitates wide discussion within the collaboration.
    - add a new email distribution list for announcing new AM's? Perhaps a single, weekly notification would be best.
  - These are also interim results that should not, in general, be shown outside the collaboration.
3. When we are ready to update the official performance parameters, a publicized CCB is convened by Ritz and Atwood.
  - Instrument Scientist (SR) will sign off on the change and make recommendation to the PI (PFM).
  - result of CCB and PI approval will be a collection of supporting documents and Actions to update web page and notifications to collaboration, LAT System Engineering, and to the GLAST Mission Office.