

# Introduction

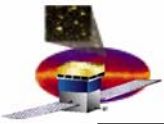
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- **Goals**

- **Provide feedback to SAS for tool development for operations**
  - find gaps or missing tools
- **Identify “owners” for each box to define views for products**
- **Provide input to Chuck and Mark for the Operations Manual**
  - they motivated the discussion, thanks!
- **Provide input for DOE review on access restrictions on computers in the operations room**
  - for details talk to someone else...

- **Plan**

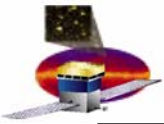
- **Presentations to gather feedback**
  - data handling meeting and ISOC workshop
- **Define priorities, as a group, for the infrastructure development**
  - after the ISOC workshop



# The Diagram

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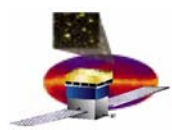
- The diagram we will show
  - is partitioned by data stream
    - Spacecraft and GCN
  - does NOT show all elements in the data flow
    - focus on user view rather than developer view
  - is COMPLETE according to the ISOC monitoring functions
    - ok, hopefully, it is complete...
- Thanks to everyone who contributed to suggestions, questions etc...



# Monitoring Views

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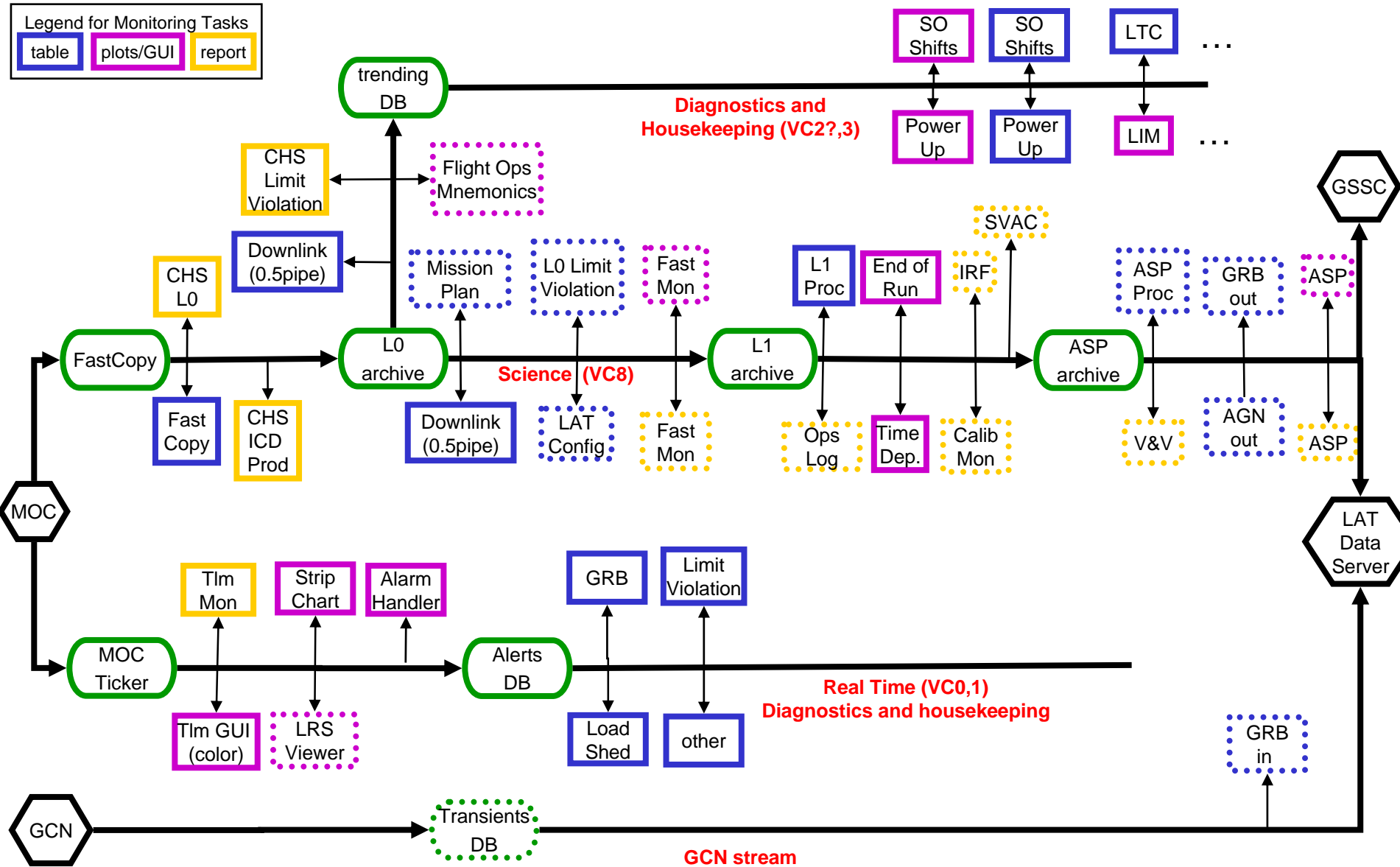
- **For monitoring activities we need the following views**
  - per run
  - per downlink
  - per day
  - per week
  - per month?
- **Not all plots, reports and tables will be meaningful for all views**
  - probably the most useful view is per downlink



# ISOC Operations: Reports, Plots and Tables

Legend for Monitoring Tasks

table	plots/GUI	report
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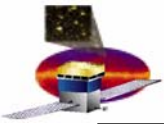


Disk Space	CPU Usage	Calib Trend
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# Possible views (Portlets or something else)

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- **Real Time Message Logger**
- GRB
  - list of incoming alert messages
- Limit Violations
  - list of incoming alert messages
- Load Shed
  - list of incoming alert messages
- Other
  - list of incoming alert messages
- **Transient Message Loggers**
- GRB in
  - list of alerts from other missions
- GRB out
  - list of notices issued by the LAT GND processing
- **Pipeline Monitoring**
- Downlink (half-pipe)
  - list of tasks that indicate downlink happened
- L1 Proc
  - list of tasks that indicate L1 processing happened
- ASP Proc
  - list of tasks that indicate ASP processing happened
- Failed
  - list of failed tasks



# Questions/Issues

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- Does OpsLog refer to runs ?
  - if so then it must be connected somewhere in the pipeline
- When do we call a processing step complete in the pipeline?
  - managed by DB or script?
- How can we add a flag to make sure a pipeline run has already been checked?
- How do we monitor if data is missing (not delivered by MOC)?
- How do we close the loop on the intent of the configuration and the actual configuration used on board?
- Flight Ops needs a LICOS type of display for the housekeeping mnemonics versus time
  - trending DB may not be the optimal place for that
- ASP may need its own set of tables/DB
- LAT Config viewer provides master key and list of key to LPA\_Objects, but need a viewer to display products