



# The Project Data Management Plan

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## Current Status

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- I have been maintaining the PDMP for 3 years; it has been in its current form for ~2 years.
- The PDMP is informed by:
  - The mission AO
  - The proposals for the two instrument teams
  - The Science Requirements Document
  - The Mission System Specification
  - The Ground System Operations Concept Document
- The PDMP is a Project document—433-PLAN-0009—but it has not been put under Configuration Management yet. However, it has been considered mature enough to be presented at major Project reviews.



## Revisions

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- I have been updating the PDMP based on:
  - Evolution of the ground system
  - Decisions regarding data rights
  
- The most recent revision was last month—the resulting draft is on the GSSC website at [http://glast.gsfc.nasa.gov/ssc/dev/current\\_documents/](http://glast.gsfc.nasa.gov/ssc/dev/current_documents/)
  
- The drafts have been reviewed frequently by:
  - Project Scientist and his deputies
  - NASA Program Scientist and others at NASA HQ
  - The Science Working Group
  - The instrument teams
  - GSSC staff
  - Project staff, especially from the ground system



## What This PDMP Is Not

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- **The GLAST PDMP is NOT the Interface Control Document (ICD) for data products exchanged between ground system elements. The data product tables are only for information.**
  - **Operations data products (e.g., commands, timelines)—ICD developed by MOC personnel. Fairly well developed.**
  - **Science data products (e.g., LAT and GBM event lists)—ICD developed by GSSC (posted on [http://glast.gsfc.nasa.gov/ssc/dev/current\\_documents/](http://glast.gsfc.nasa.gov/ssc/dev/current_documents/)).**
    - **Mature content definition for almost all data products**
    - **FITS formats defined for most. Some are standard OGIP files, others have been shown to OGIP FITS committee**
- **This PDMP is not the controlling description of the ground system, of the operation plans, etc.**



## What This PDMP Is

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- The GLAST PDMP describes the flow of data from the spacecraft until it is finally archived in the HEASARC at the end of the mission.
- As such, this PDMP is the controlling statement of the GLAST data rights policies.
- Other than the data rights policies, is the PDMP 'obvious?'  
**NO!**
  - Telemetry through TDRSS and not ground stations
  - Level 1 data processing by the instrument teams, not a science operations facility tied to the MOC or science center
  - Commands flow from instrument teams to the MOC through the GSSC (which evaluates impact on science observations)
  - The GSSC is tied to the HEASARC; most science data products are served directly or indirectly through Browse interface