

GUVI  
Payload Operations Center  
(POC)  
Overview

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# GUVI POC

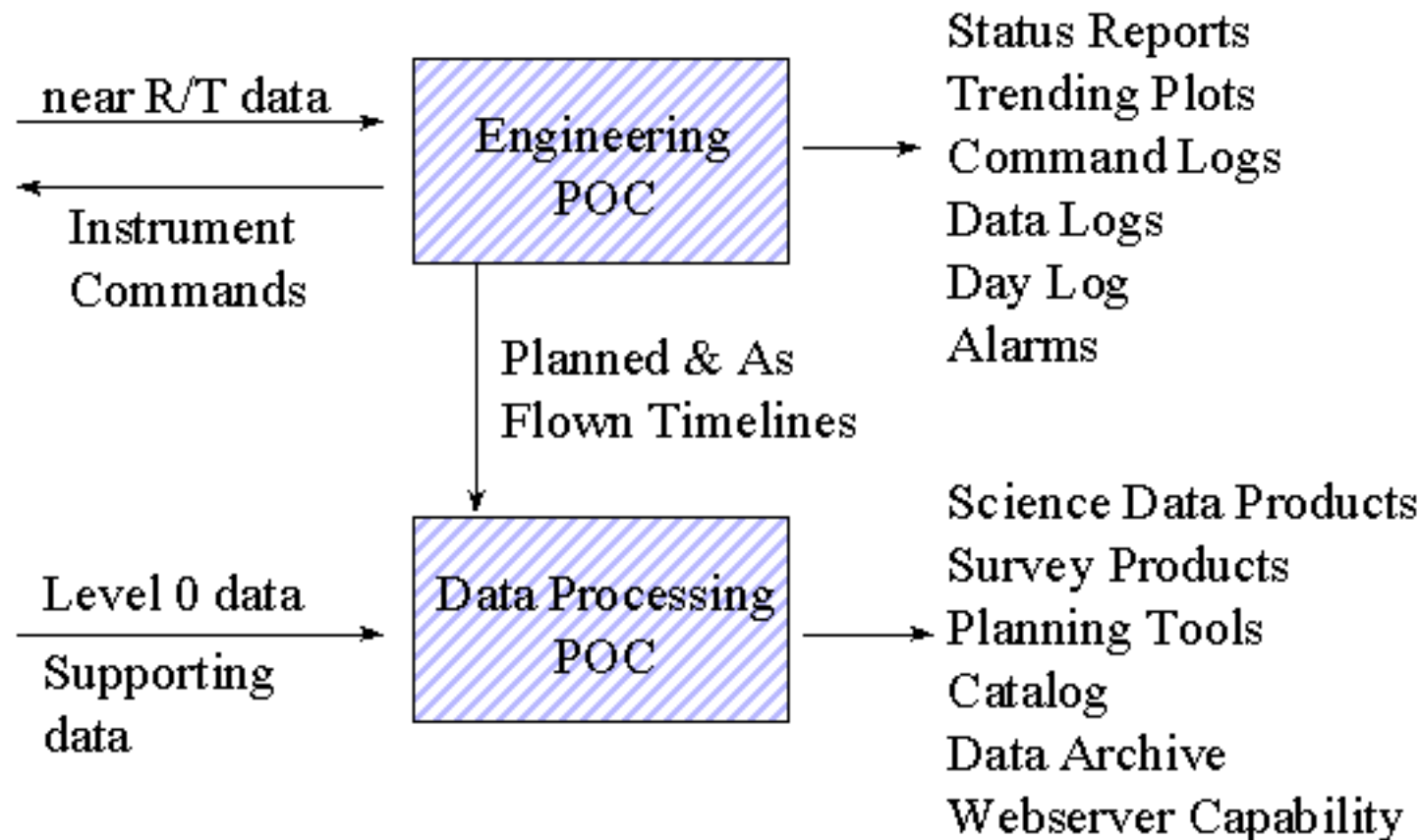
## **Engineering POC**

Ground Support Equipment  
Instrument Commanding  
Quicklook Analysis  
Alarm Generation

## **Data Processing POC**

Processes Science Data  
Data Product Generation  
Data Product Distribution  
Webserver Capability

# GUVI POC



# Engineering POC

- Commanding
  - Command generation and verification
  - Authentication
  - Archive of commands sent
  - Planning tools
- Health, Status and Trending
  - Displays
  - Trending
  - Autonomous operation
  - Archive of instrument anomalies

# Data Processing POC

- Routine Data Processing
  - Data retrieval
  - Data reformatting
  - Data quality assessment
  - Construction of graphical overlays
  - Calibration, geolocation and gridding
  - Algorithms (day, night, auroral)

# Data Processing POC - continued

- Data Access and Distribution
  - User interface
  - Data distribution
  - Survey products
  - Data catalog
  - Planning tools
  - Data server
  - Data archive
  - Archive of instrument anomalies
  - Archive of instrument calibration

# GUVI POC Design

- Data Processing POC design presented by Michele Weiss from JHU/APL and Scott Evans from CPI
- Engineering POC design presented by Patty Lew from Aerospace