



DP POC Operations

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Outline

- **Autonomy**
- **Security**
- **Safety**
- **DP POC Operator**



Autonomy

- **DP POC operates autonomously**
- **Data product generation/regeneration automatically started upon startup of DP POC**
- **Performs an aliveness check and necessary restarts to ensure DP POC operations**
- **Generates a log file of s/w processing errors and automatically spotted anomalies**
- **E-mails DP POC operator for severe errors**



Autonomy - cont.

- Writes automatically spotted anomalies to as-flown timelines and FTPs to EPOC & MDC
- Syncs up to UTC using Network Time Protocol (NTP)
- Polls MDC for new data every 24 hours
- Automatically schedules in regeneration of data products for updated MDC support files
- Provides a running status of a regeneration process
- Generates MDC interface files as needed



Autonomy - cont.

- **Automatically schedules in:**
 - Generation of new data products
 - Regeneration of existing data products
 - Updating the GUVI data tables automatically
 - Long-term archiving of GUVI data products



Security

- **Located on-site at JHU/APL**
- **Access will be restricted**
- **Allowable operations will be minimal**



Safety/Disaster Plans

- **No safety issues - instrument commanding only from EPOC**
- **Routine backups of the DP POC software will be performed**
- **All data products can be regenerated**
- **MDC retrieved data can always be retrieved again**
- **Long-term archive to CD jukebox**
- **Download archived telemetry and restart processing when back online**



DP POC Operator

- **Part-time support**
- **Responsible for:**
 - Writing GUVI data products to CD-ROM for delivery to GUVI Co-Is
 - Updating GUVI data product quality indicators
 - Manually entering anomalies into the as-flown timelines and FTPing them to the MDC and EPOC
 - Initiating a program to automatically update the GUVI data tables
 - Initiating non-routine regeneration of GUVI data products
- **Receives e-mail for TBD severe processing errors and severe anomalies**