

GES DISC Data Operations and Services

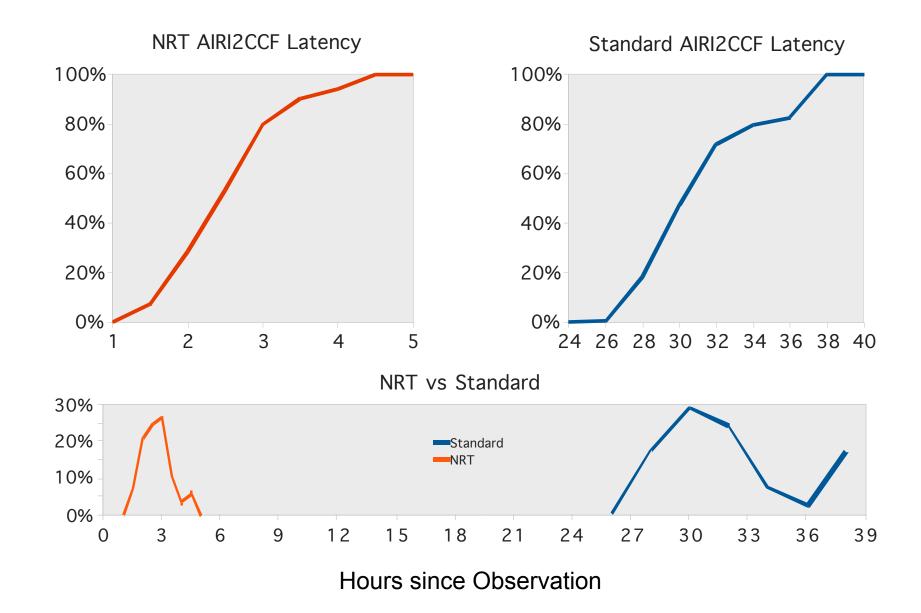
Mike Theobald GES DISC

Production Highlights

- Completed V5.0 Reprocessing with a net rate of 13X.
- Integrated V5.2 algorithms and reprocessed from start of AMSU Ch. 4 degradation.
- Integrated L3 Support Algorithm
- Starting to replace/upgrade some hardware



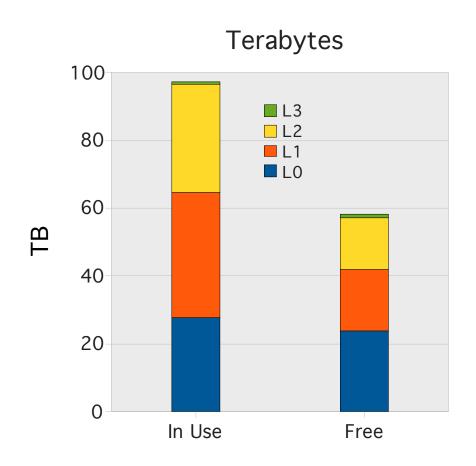
Data Production Latency

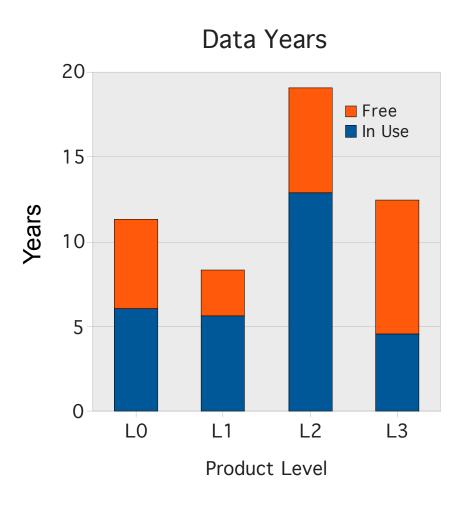


Archive Highlights

- S4PA archive and distribution system
 - 6 separate servers
 - 100 TB
 - 8,000,000 granules
 - All data backed up on tape
 - Redundant disk copies of L0 data
 - Disk files and tapes verified regularly
- Additional capacity is planned
 - Technology refresh of L0 servers underway

Archive Capacity







2008 Distribution Highlights

146 TB Net Volume

L1: 106.3 TB

L2: 26.4 TB

■ L3: 0.4 TB

■ NRT: 6.6 TB

■ L0: 6.6 TB

Peak Distribution

2 TB/day

220,000 granules

10 Million Granules

L1: 2,700,000

L2: 6,500,000

L3: 7,000

■ NRT: 500,000

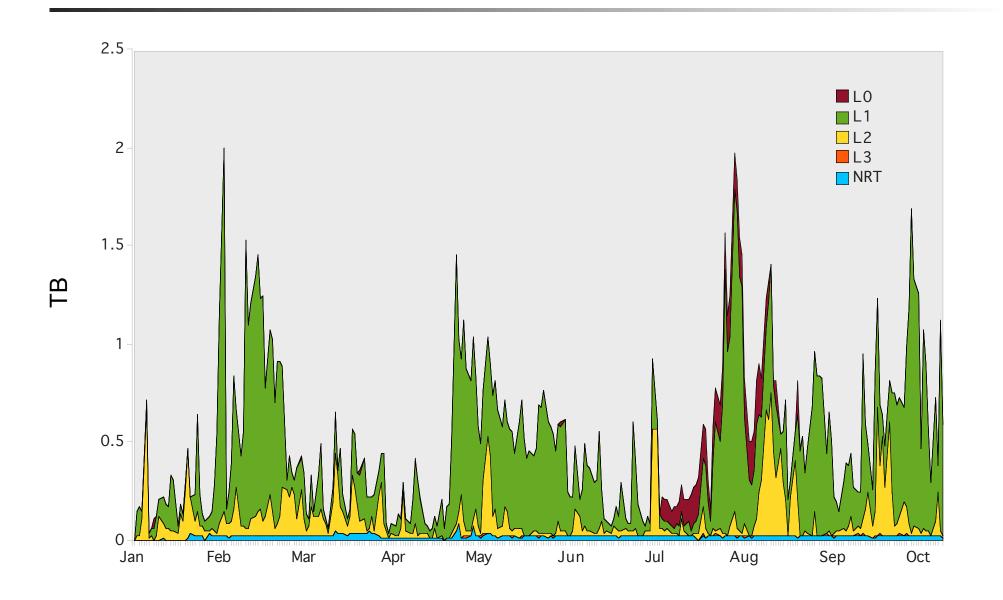
L0: 100,000

 1477 distinct network addresses

 50+ different top-level domains

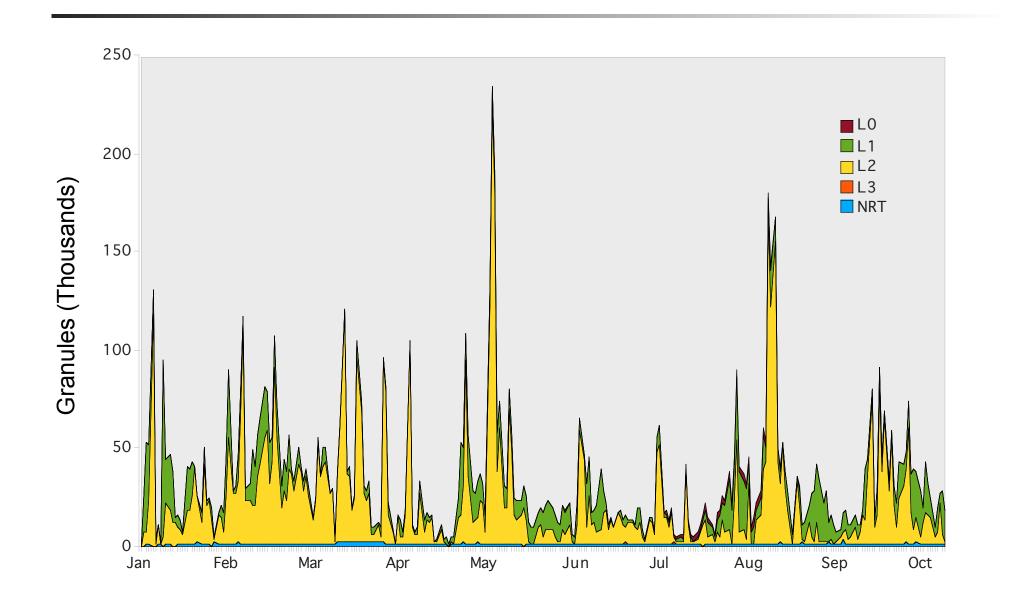


Data Distribution - Volume



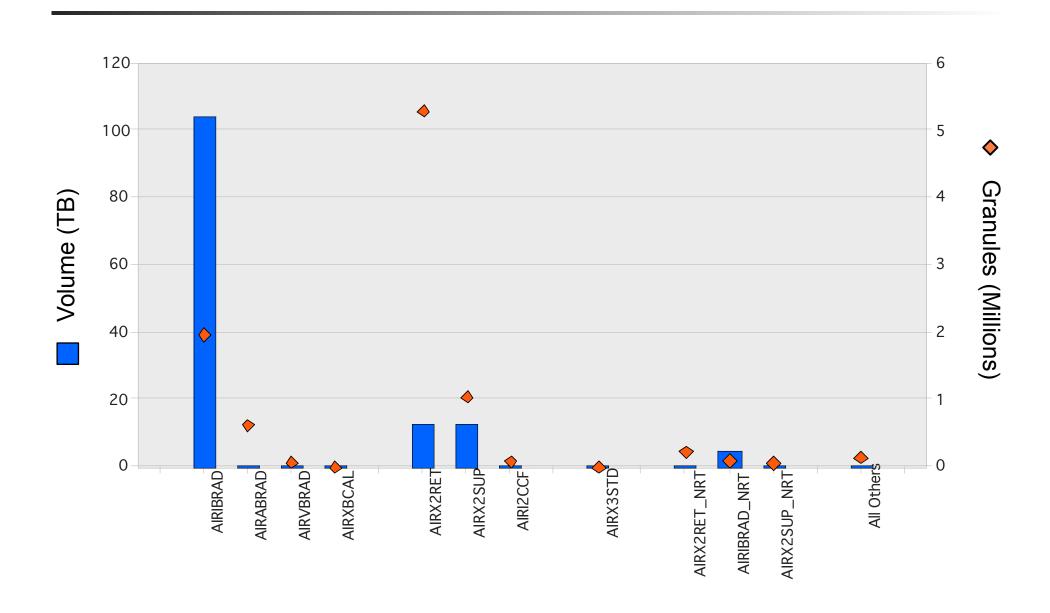


Data Distribution – Granules



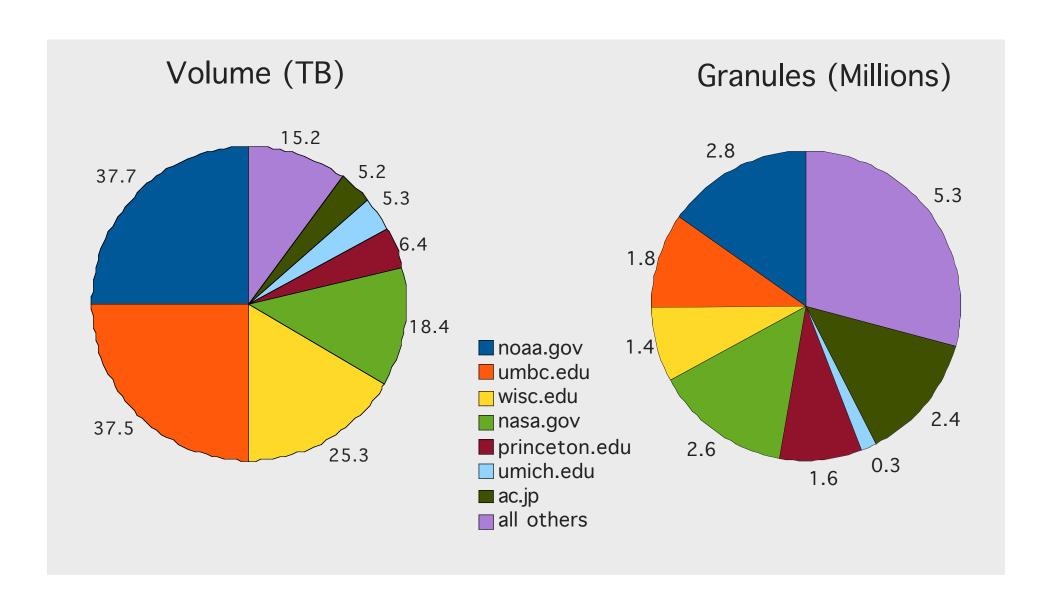


Data Distribution – by Product





Data Distribution – by Domain



Services Overview

- Data portals
 - Direct ftp/http
 - Mirador
 - WHOM
 - ECHO
 - OPeNDAP
- Subsetting
 - Channel
 - Parameter

- Format conversion
 - NetCDF for L2, L3
 - L1 soon
- Granule and global browse
- Science support
 - ARCTAS
 - CEOP
 - SO2 Map