

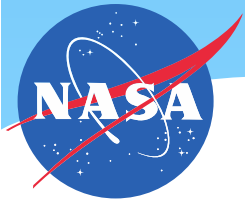
Global Data Assembly Center (GDAC) Report to the GHRSSST Science Team

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14th GHRSSST Science Team Meeting

Woods Hole, MA, USA

17 June 2013



National Aeronautics and
Space Administration

Jet Propulsion Laboratory
California Institute of Technology
Pasadena, California

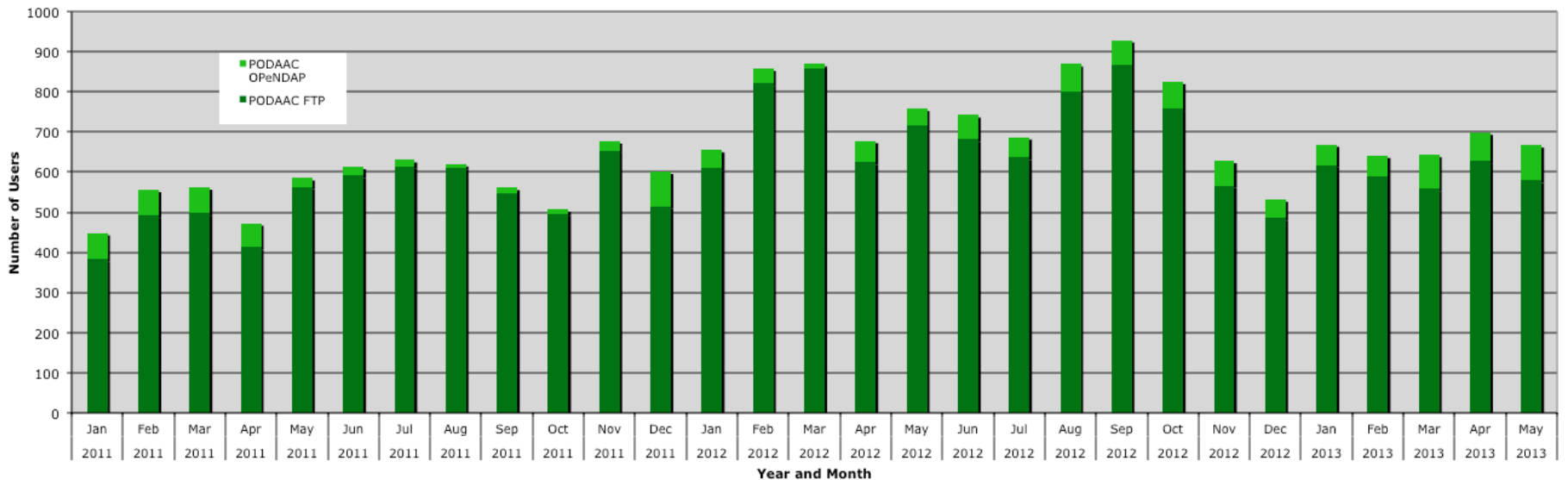
GDAC Functions

- * Ingest, Quality Assurance, Metadata, Distribution, Discovery, Archive, LTSRF interface for +61 datasets
- * Support operational datastreams for L2P/L3/L4 data from 14 RDACs
 - * 30 Gs/day; 6K granules/day
- * Maintain linkages to data providers and LTSRF archive
 - * Engaging distributors on implementing SSH keys
 - * LTSRF coordination and inventory comparisons
- * Develop/improve tools and services for data usage
 - * Web services
- * User reports and distribution statistics
 - * Monthly dataset distribution reports
- * User community engagement
 - * User questions and forum
- * Improve metadata and lifecycle implementation
 - * Data discovery and faceted searching

PO.DAAC Distribution metrics

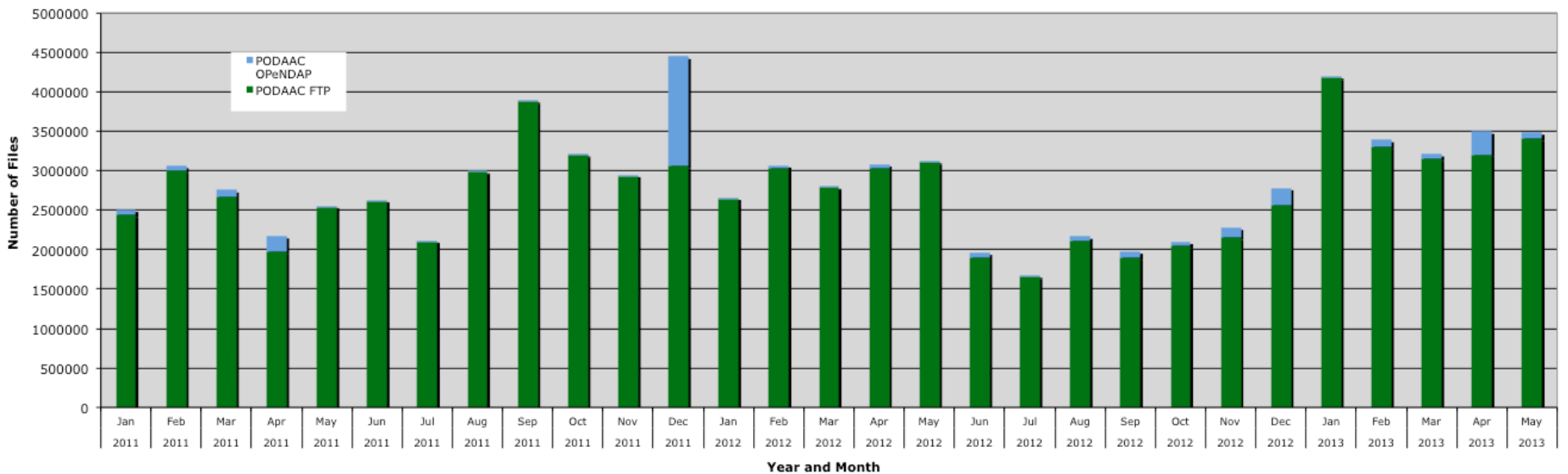
Monthly Unique Users

Total Number of Unique Monthly GHRSSST SST Users at the PO.DAAC since 2011



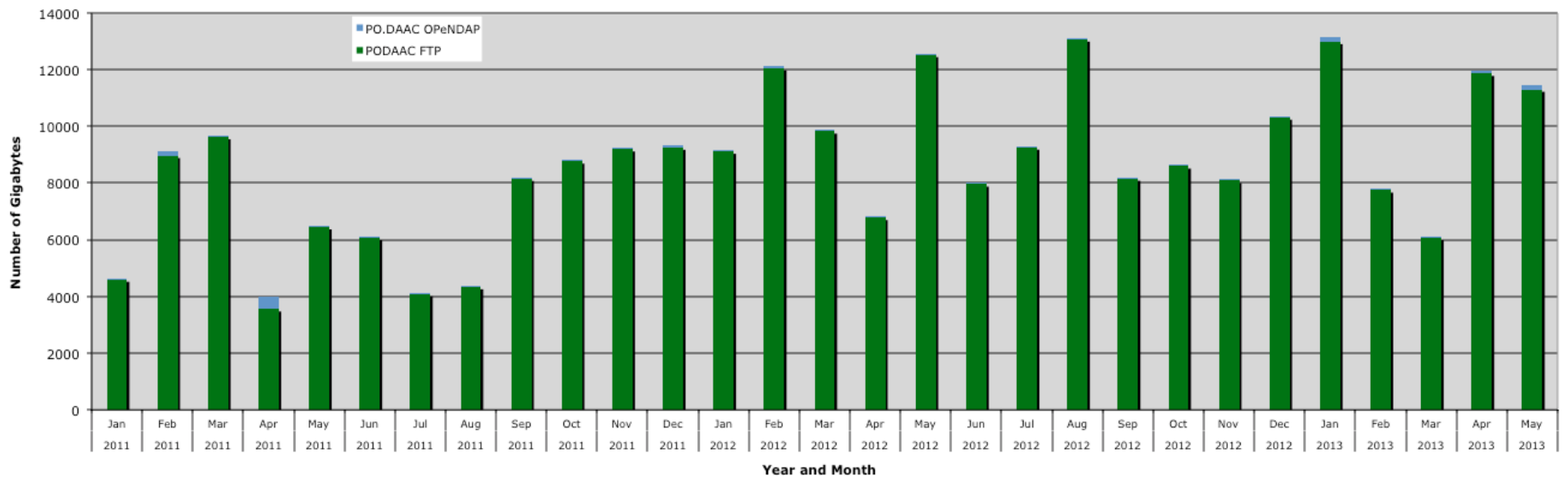
Number of Monthly Files

Total Number of Monthly GHRST Data Files Served from PO.DAAC since 2011



Monthly Volumes

Total Monthly Volume of Compressed GHRST Data Served from PO.DAAC since 2011



GDAC Activities

- * GDS-2 tasks
 - * Data handler for ingest
 - * Metadata compliance checking
 - * Read software in R, IDL, Matlab, Python
- * Dataset metadata maintenance
- * Dataset lifecycle implementation
- * GHRSSST PO coordination
 - * Dec 2012 meeting
- * Upcoming tools and services (see DAS-TAG)
- * Metadata export to NASA GCMD and ECHO
- * GHRSSST L4 spectral analysis “package” released (see IC-TAG)
- * NASA sponsored GHRSSST webinar (see AUG-TAG)

GDS 2.0 Implementation

Dataset	RDAC	Status
L4 OSTIA	UKMO	Ingested
L4 DMI_OI	DMI	Ingested
L2P VIIRS	NAVO	Ingested
Four L3Cs MetOP-A, N19	OSISAF	Pending
L2P MetOP-A	OSISAF	Pending

- Datasets have been compliance checked
- MODIS L2P transition will be presented at MODIS report

GDAC issues

- * GDS2 implementation and reprocessing schedules
- * Dataset lifecycle implementation in conjunction with GHRSSST User Working Group review
- * Improved dataset quality documentation
- * Provenance and lineage capturing
- * GDS stewardship and governance
- * Exchange of GDS2 datasets with the LTSRF
- * Growth of SST datasets
- * Guidance on SST dataset selection
- * Forum usage