

System v1.3.1

Release Description Document (RDD) Review

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What

bug fixes

echo interface

ghrsst website

archive policies

ingest speed

sigevent service

Bug Fixes

Manager

- ✓ 239: Ingest/database issue: jobs not staying in the table: Unable to locate job record
- ✓ 259: data-flow failure

Archive Tool

- ✓ 222: archive_tool index option
- ✓ 223: rolling store option with non rolling store granule id
- ✓ 264: archive_tool.sh -rolling_store -g: URI is not absolute
- ✓ 266: add examples of relocate and rolling store options for archive_tool.sh

Generic Crawler

- ✓ 260: Generic Crawler start and end data optional parameters

GHRST

- ✓ 252: filesize mismatch
- ✓ 261: fix md5sum in make_fgdc_from_database.pl filename and checksum values are in reverse order
- ✓ 262: index_file_generator_fly.pl stops when gets bad date in filename
- ✓ 265: remove non-essential flags from fgdc tool
- ✓ 267: Local hot directory content remove inadvertently.



Export to ECHO

- ✓ Support ECHO 10 xml schema
- ✓ Export spatial and orbital data
- ✓ Performance improved by only capture updated granules



GHR SST Website

✓ Ported the operational
GHR SST MMR web search
capability to use new DMAS
data model

GDAC Data Search

http://monsoon/data_search.html

JPL PO.DAAC OODT Financial Tech Stuff Groovy/Grails ECHO Design Personal News (1693)

GDAC Data Search

JPL HOME EARTH SOLAR SYSTEM STARS & GALAXIES TECHNOLOGY

GDAC GLOBAL DATA ASSEMBLY CENTER

HOME DATA ACCESS DATA SEARCH DOCUMENTATION LINKS GDAC DATA INVENTORY

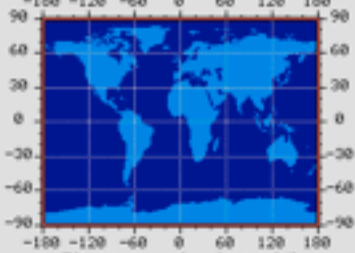
Search the Master Metadata Repository (MMR) for L2P and L4 data file availability at the GDAC, local RDAC and Long-Term Archive locations.

MMR Search

* - Input is required.

Enter spatial geolocation as (-)xxx.xxx

Please select a region to search:



North Latitude*: 90.0

West Longitude*: -180.0

East Longitude*: 180.0

South Latitude*: -90.0

(Note: map requires Javascript)

Reset (world)

Enter temporal bounds

Start Year Start Month* Start Day* Start Hour Start Minute

2009 Mar 15 00 00

Stop Year Stop Month* Stop Day* Stop Hour Stop Minute

2009 Jun 15 23 59

Sensor L2P/ L4 product RDAC

5000 1m 12 53 28

Archive Directory Policies

New access categories

- PUBLIC
- PREVIEW
- OPEN
- RETRIED
- REDUCED
- RESTRICTED
- SHARED
- CONTROLLED
- PRIVATE

Excel spreadsheet titled "podaac_product_categories_090312.xls" showing a table of product categories and their lifecycle.

Category	Sub category	Dataset maintained on inventories (and by definition searchable and has provenance)	FTP Access	Purpose	Criteria (To be defined in Product Rollout Procedures)	Example
Public (freely available to the public)	Review	No	Individual passwords authorized by the DAAC	Give the public a sneak preview (password protection ensures the public don't clutter upon the data and start using it). Products should not be in this category beyond 12 months.	1. Meets QCCL specifications 2. Stable dataset (few updates) 3. Good set of documentation 4. Some Read software 5. Maintained by Data Team	MEASURES Products
	Open	No	Anonymous FTP	Openly supported data sets.	1. Meets QCCL specifications 2. Approved by the community 3. Complete set of documentation 4. Complete set of Read software 5. Maintained by Data Team	
	Retired	No	Anonymous FTP	Datasets that have been superseded, are obsolete or have an error. For LARS recommendation, these data sets are retrievable but come with a health warning.	1. Meets QCCL specifications 2. Approved by the community 3. Complete set of documentation 4. Complete set of Read software 5. Maintained by Data Team	Wind stress product (error) Meyers monthly mean (obsolete)
	Reduced	No and No (Default: dependent)	Anonymous FTP	Reduced or value added data sets created by a PO-DAAC tool.	1. Meets QCCL specifications 2. Approved by the community 3. Complete set of documentation 4. Maintained by Data Team	POCT extracts, NRT images
Restricted (restricted use)	Shared	No	Individual or group passwords authorized by PS	Temporary space for sharing non-operational products between science users (products in use, not for archival).	1. Meets QCCL specifications 2. Complete set of documentation 3. Maintained by Data Team	Arctic 3 SSM/I
	Controlled	No	Individual or group passwords authorized by PS	CTAS or mission sensitive data sets.		U.S. & L3 products
Private (DAAC use only)	N/A	No	DAAC users only	Temporary space for building and testing new products or storing intermediate products created by a tool or service.		

Typical Product Life Cycle diagram:

```

graph LR
    Mission[Mission Product] --> Shared[Shared]
    Mission --> Controlled[Controlled]
    Shared --> Open[Open]
    Open --> Retired[Retired]
    Preview[Preview] --> Open
    Open --> Retired
    
```

Quality criteria:

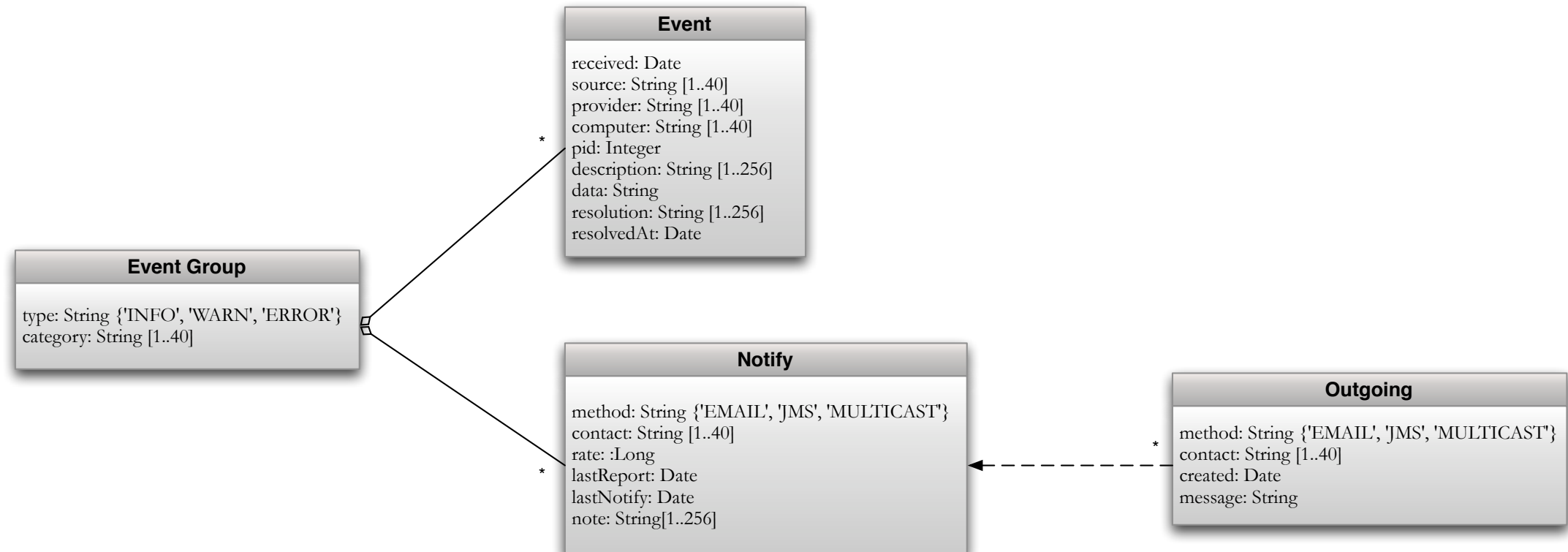
- Quality: ensure the right metadata standards are being met, ensure the file naming convention is correct, ensure the interfaces are built correctly, ensure the correct format of the data files, ensure the data can be read and plotted, ensure the metadata is accurate.
- Stability: ensure the data and metadata is complete (no missing fields).
- Continuity: understand and document any discontinuities, ensure files arrive in the correct order.
- Utility: ensure data are ingested and available within specified time requirement.

Ingest Engine

- ✓ *Ingestion speed boosted*
- ✓ *Detect for local access*
- ✓ *Direct URL handle to file, which eliminate the need of filtering*



Significant Event



- ✓ New Data model
- ✓ User-defined categories
- ✓ Events can have type: INFO, WARN, ERROR
- ✓ Group events by event type and category
- ✓ Group subscribers by event type and category
- ✓ Outgoing service queue for message delivery
- ✓ JSON and XML
- ✓ EMAIL, JMS, and MULTICAST delivery methods
- ✓ Time-triggered subscription processing



