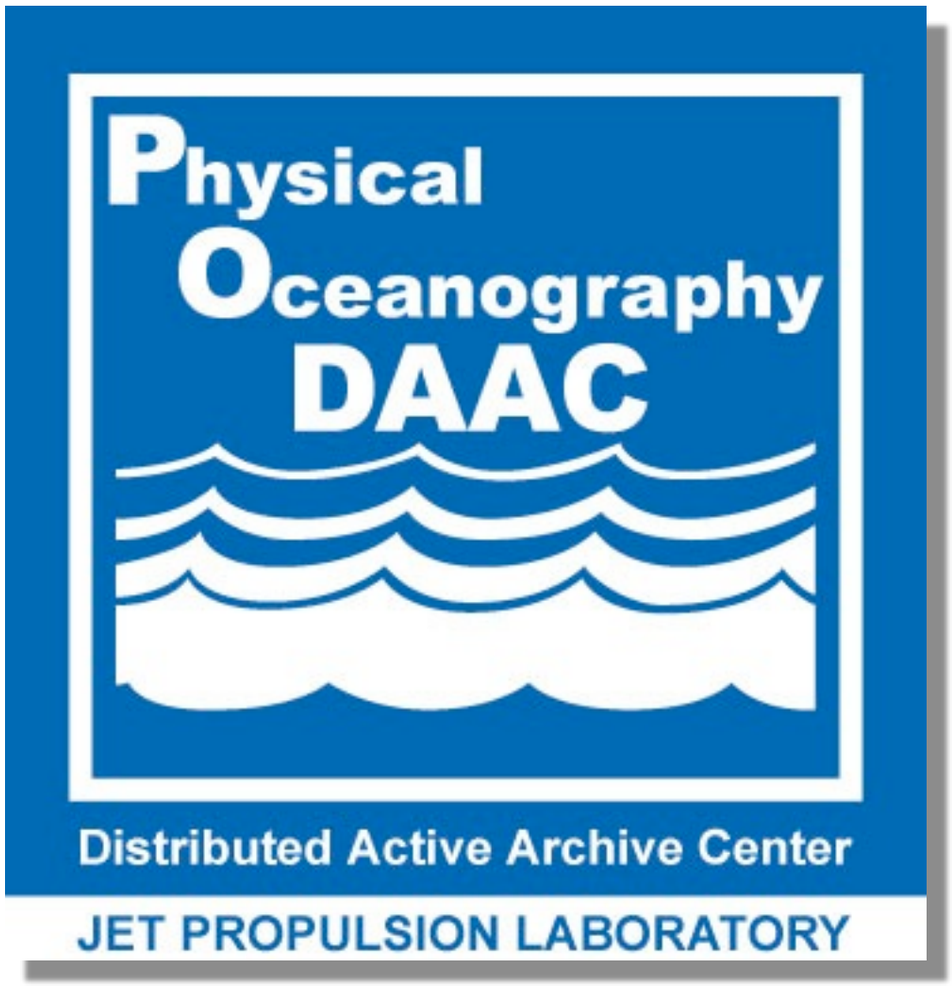
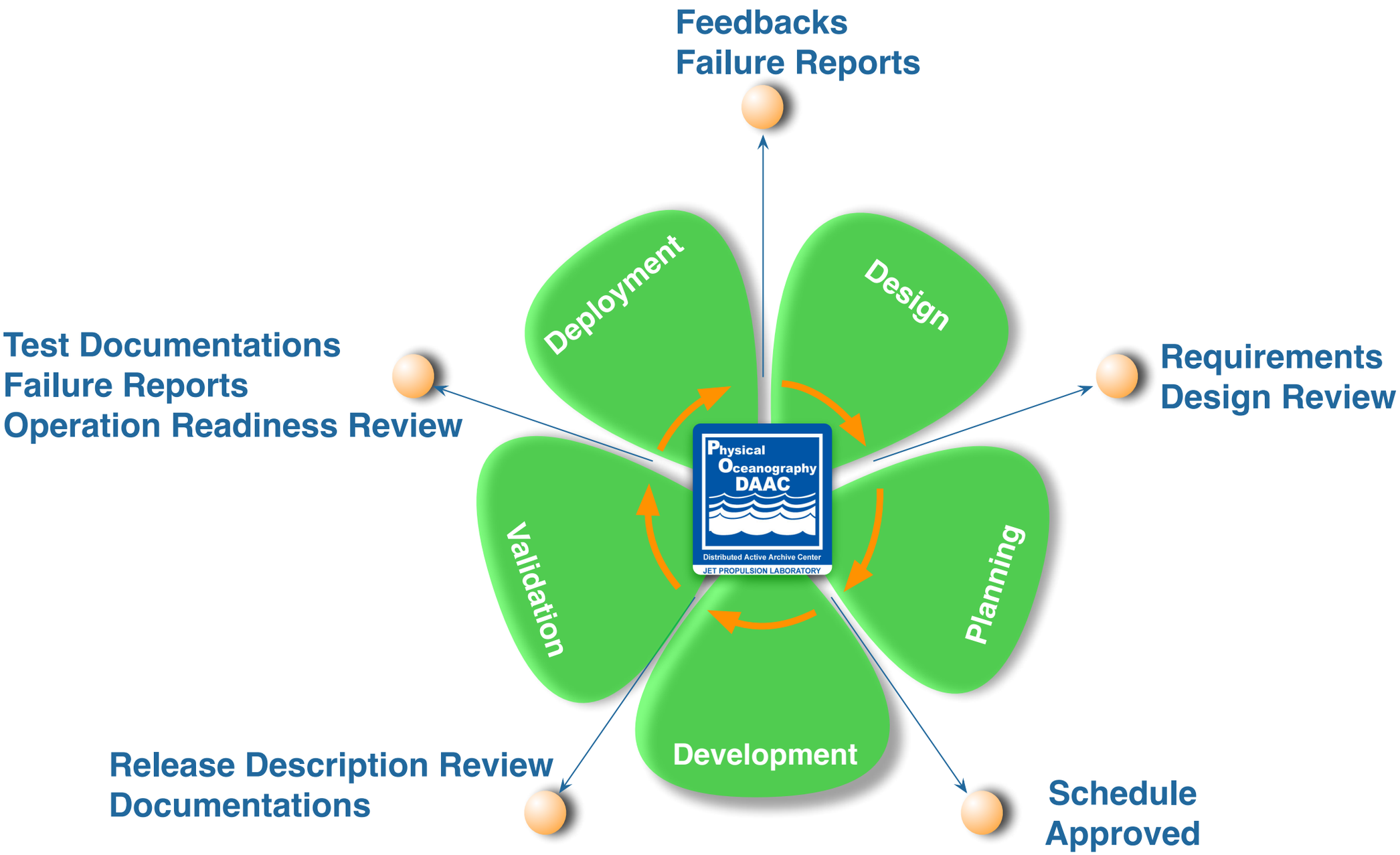

Physical
Oceanography
DAAC
Distributed Active Archive Center
JET PROPULSION LABORATORY

Core System v3.0.0

Release Description Document (RDD) Review

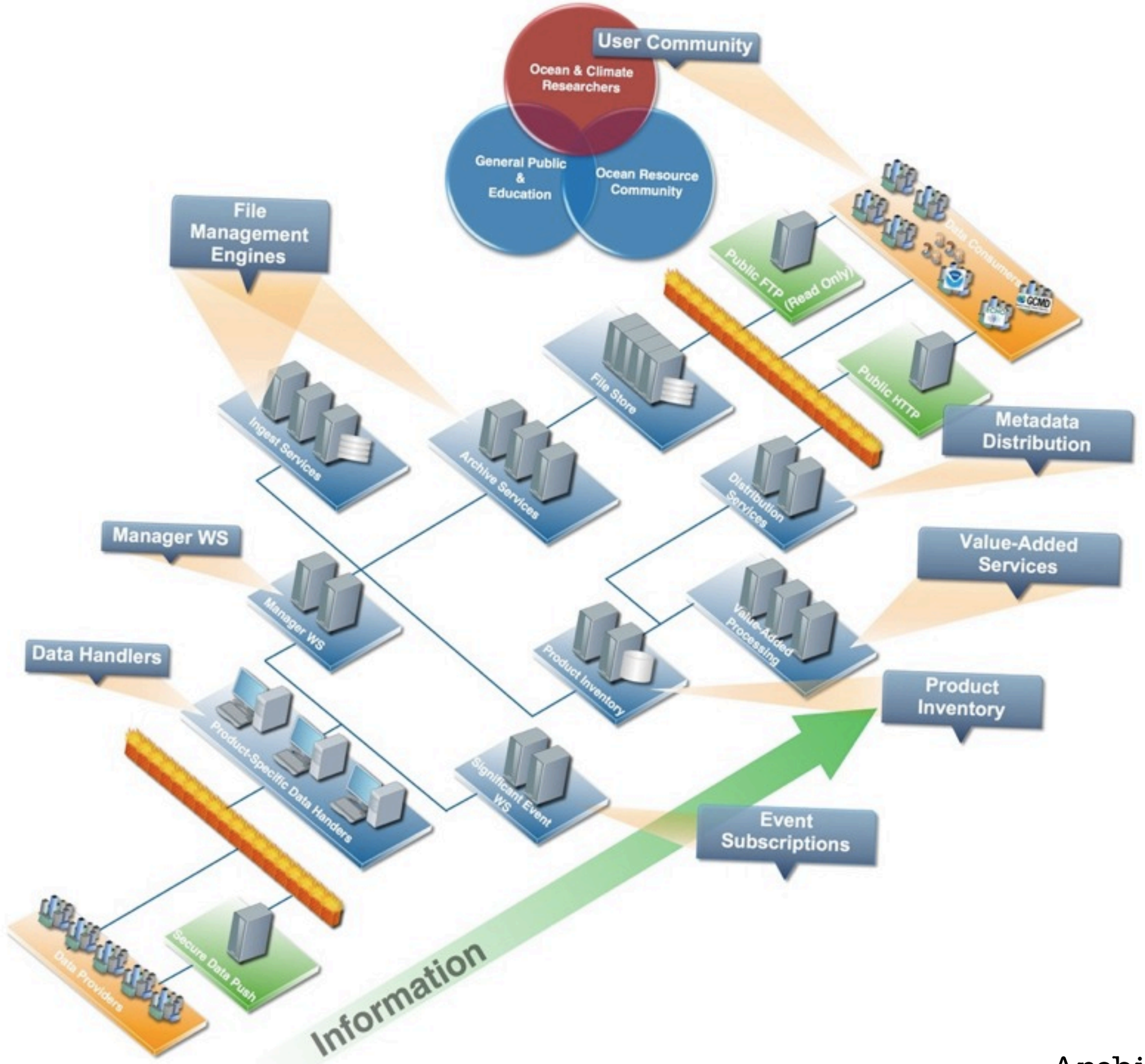
Thomas Huang
February 01, 2011


Feedbacks
Failure Reports
Test Documentations
Failure Reports
Operation Readiness Review
Requirements
Design Review
Release Description Review
Documentations
Schedule
Approved
Deployment
Design
Validation
Planning
Development
Physical Oceanography DAAC
Distributed Active Archive Center
JET PROPULSION LABORATORY

Process

What

dmas - thuang - 02012011

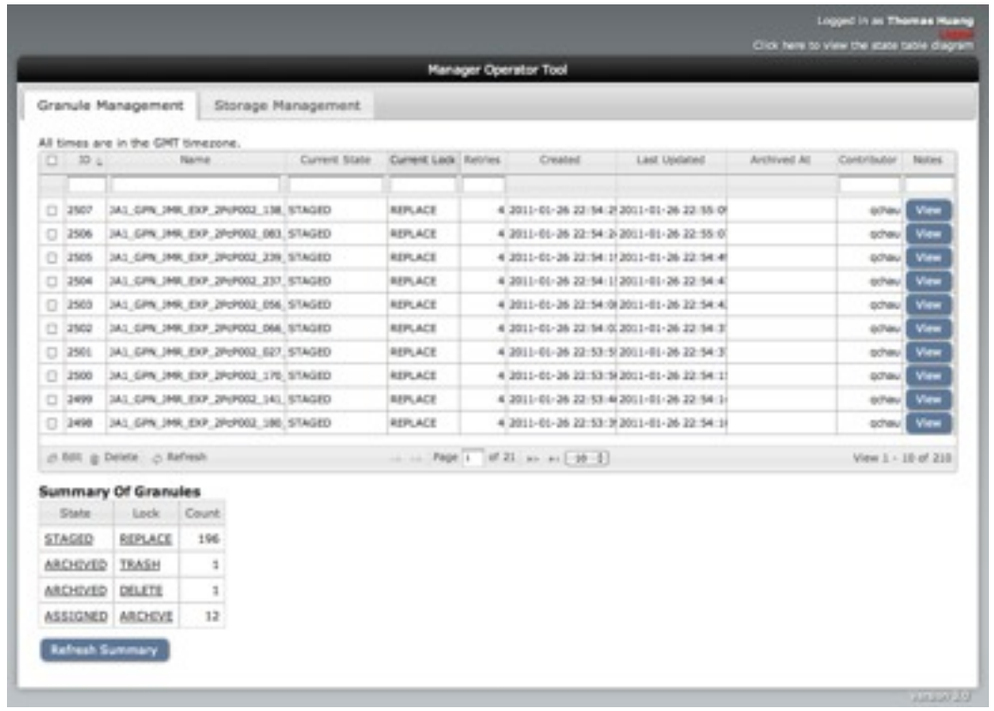


Architecture

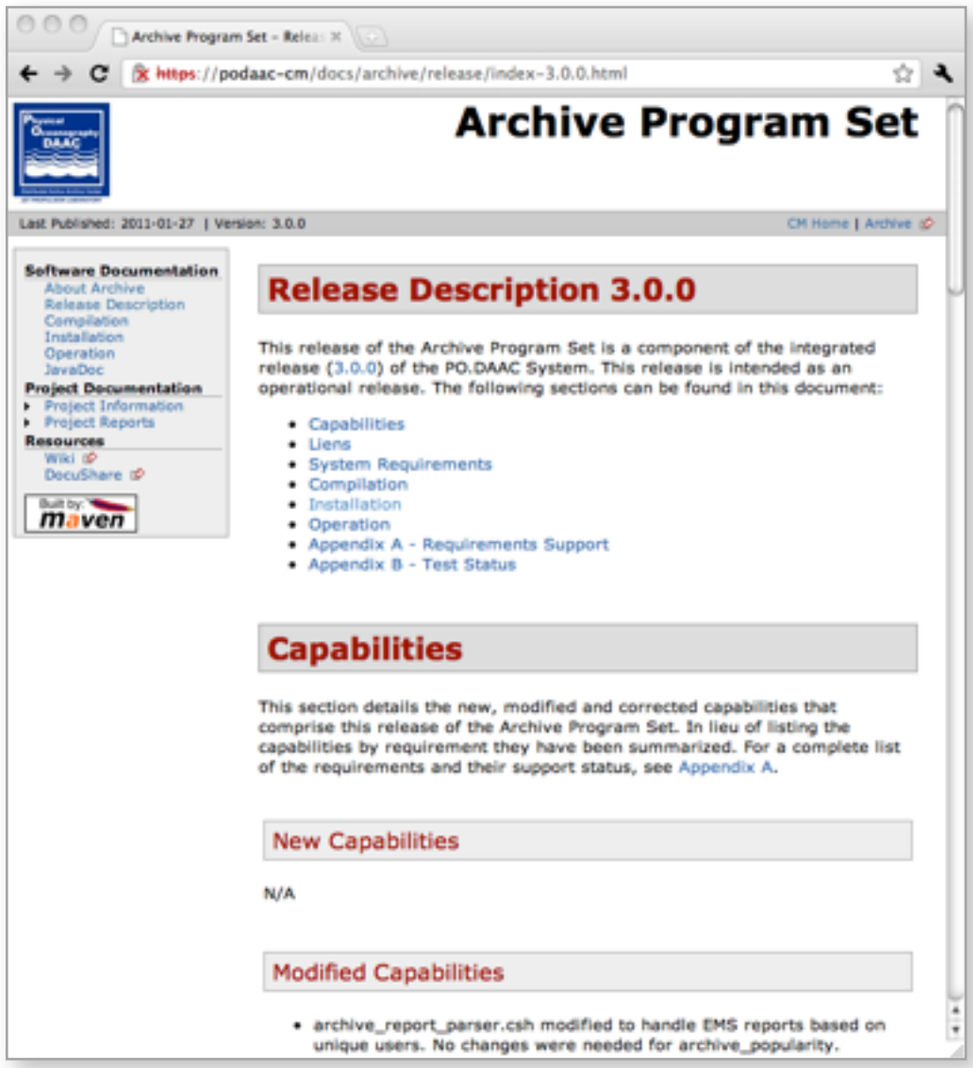
dmas - thuang - 02012011

Program Set: Administer

- **New Capabilities**
  - Trac 688 - Add new view-only for Manager Operator Tool
  - Trac 813 - Add summary page to the operator tool
- **Modified Capabilities**
  - Trac 821 - Operator Tool - add timezone info
- **Corrected Capabilities**
  - Trac 783 - Operator Tool error when editing storage space

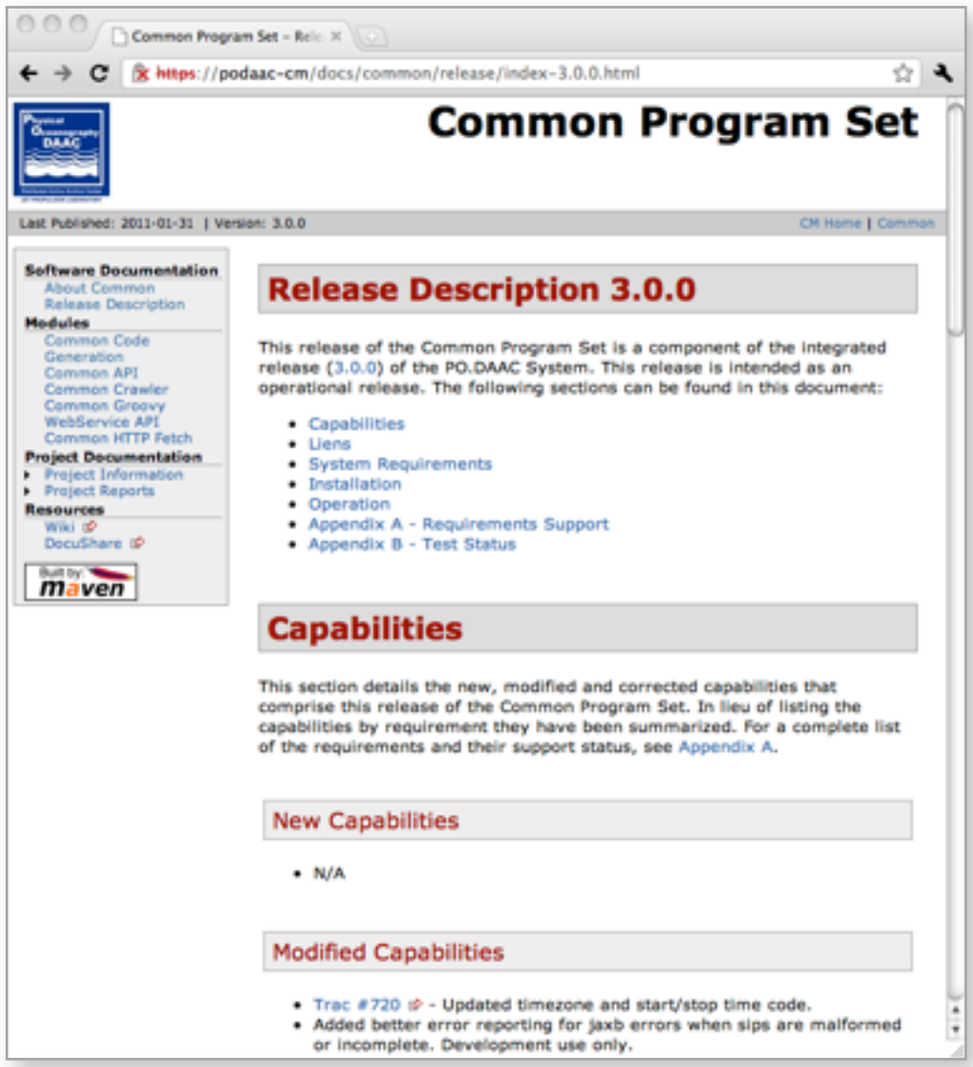


Program Set: Archive



- **Modified Capabilities**
  - archive_report_parser.csh modified to handle EMS reports based on unique users. No changes were needed for archive_popularity.

Program Set: Common



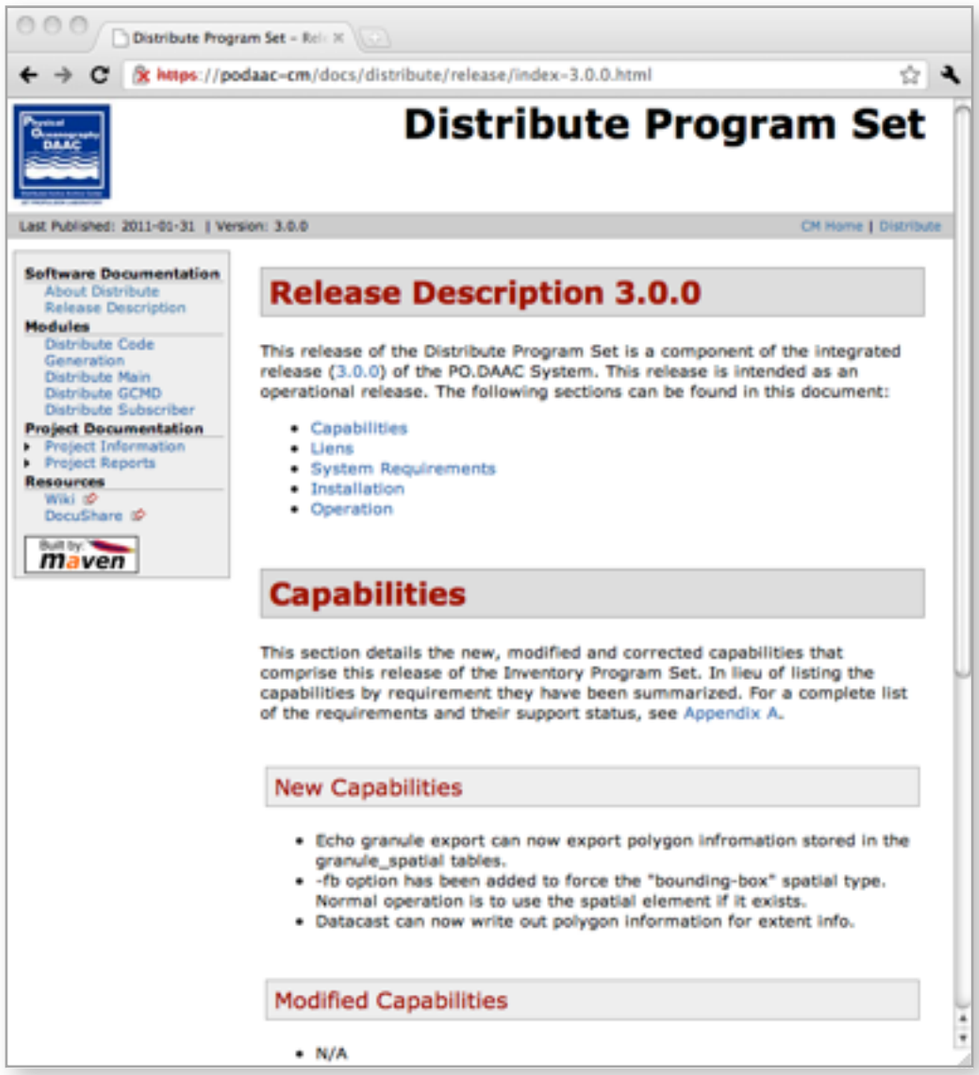
- **Modified Capabilities**
  - Trac: 720 - Generic Crawler: Added timezone parameter for start/stop dates
  - Added better error reporting for jaxb errors when SIPs are malformed or incomplete. Development use only.

dmas - thuang - 02012011

Program Set: Data Handlers

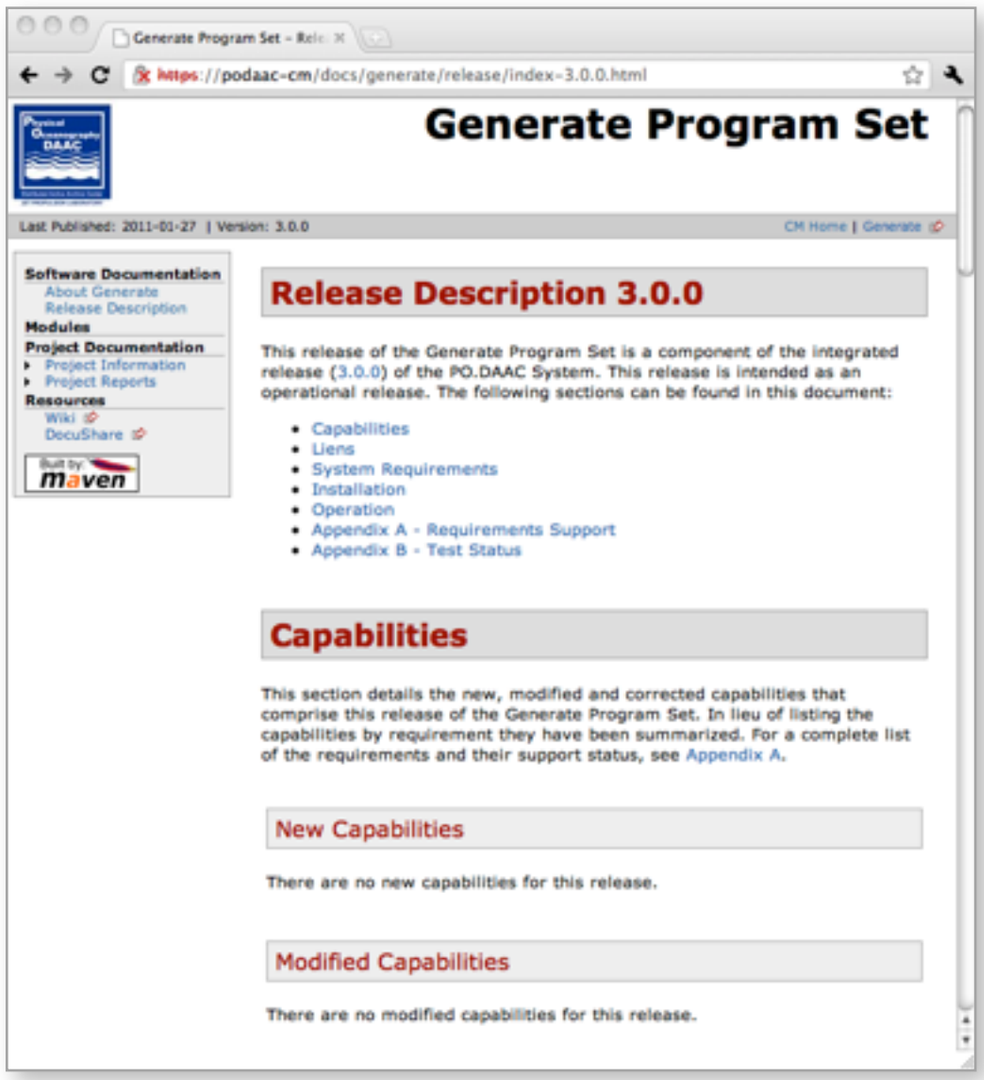
- **New Capabilities**
  - GHRSST
    - Trac 378 - GHRSST specific remove NOAA symlink after granule rolled off
  - ASCAT
    - Trac 692 - Extract L2 Perimeter Information
    - Added support for L3 products
  - Aquarius
    - Added support for L0 products
  - Jason-1 JMR
    - Trac 726 - new Jason-1 JMR product, ingest through DMAS
- **Corrected Capabilities**
  - GHRSST
    - Trac 844 - GRHSST data handler reports incorrect jpg file error

Program Set: Distribute



- **New Capabilities**
  - ECHO granule export can now export polygon information stored in the granule_spatial tables.
  - -fb option has been added to force the “bounding-box” spatial type. Normal operation is to use the spatial element if it exists.
  - Datacast can now write out polygon information for extent info.
- **Corrected Capabilities**
  - Corrected some incorrect mapping of datacast item files.

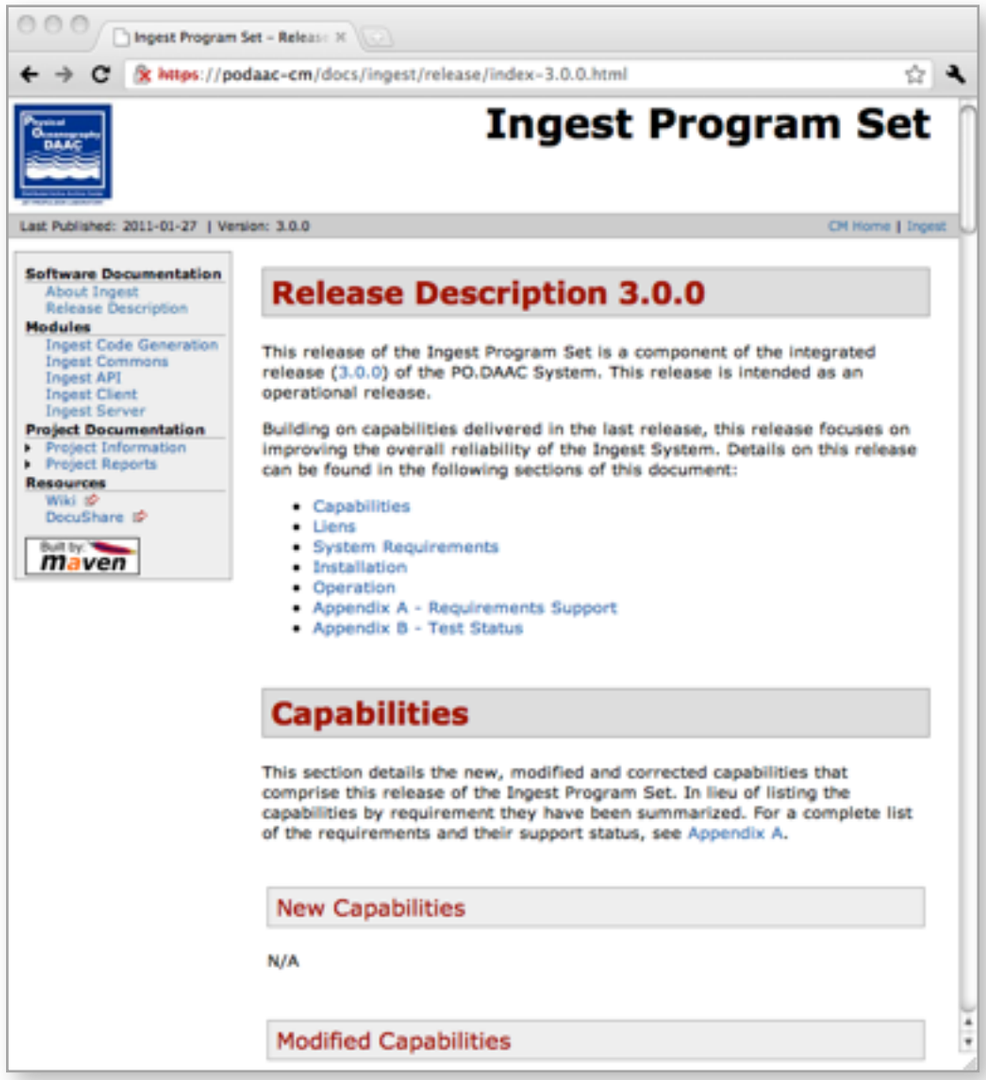
Program Set: Generate



- **No Change**

dmas - thuang - 02012011

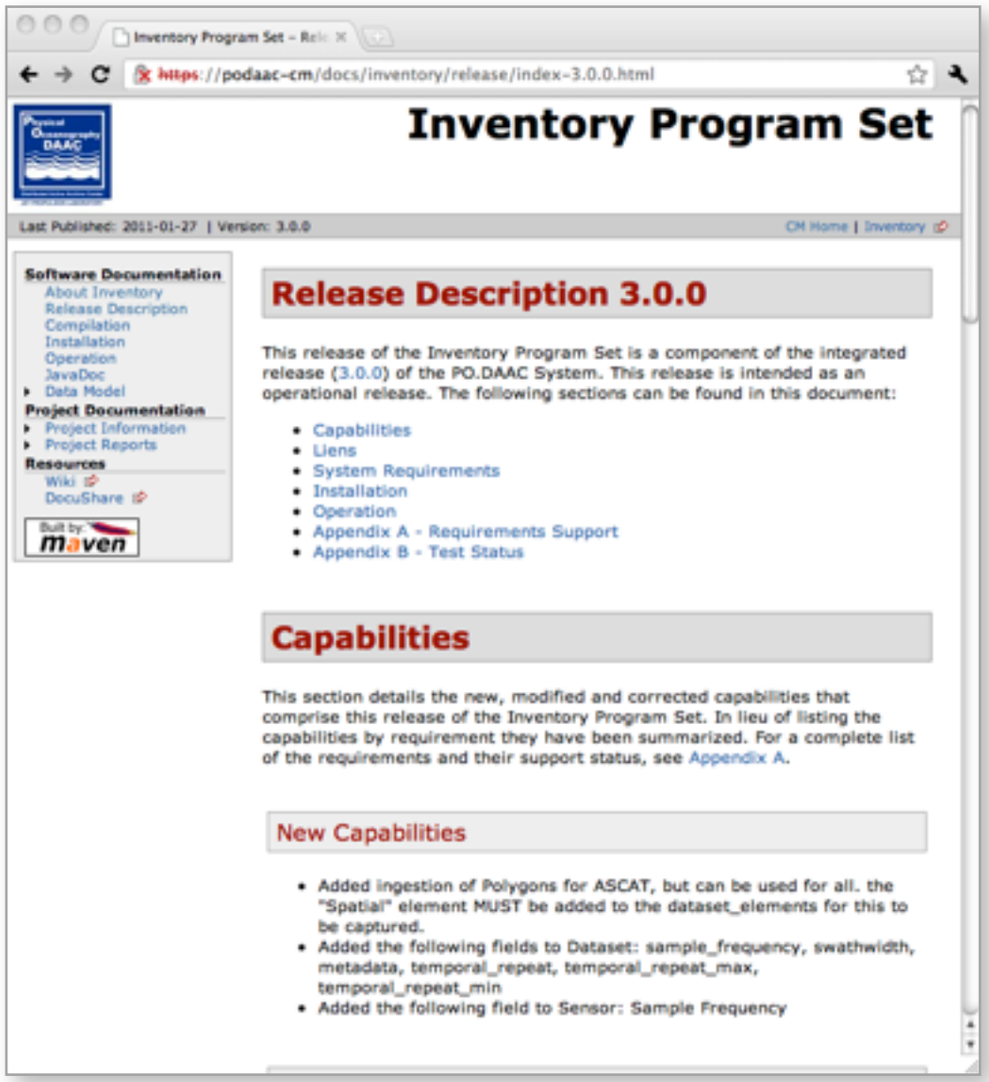
Program Set: Ingest



- **No Change**

dmas - thuang - 02012011

Program Set: Inventory

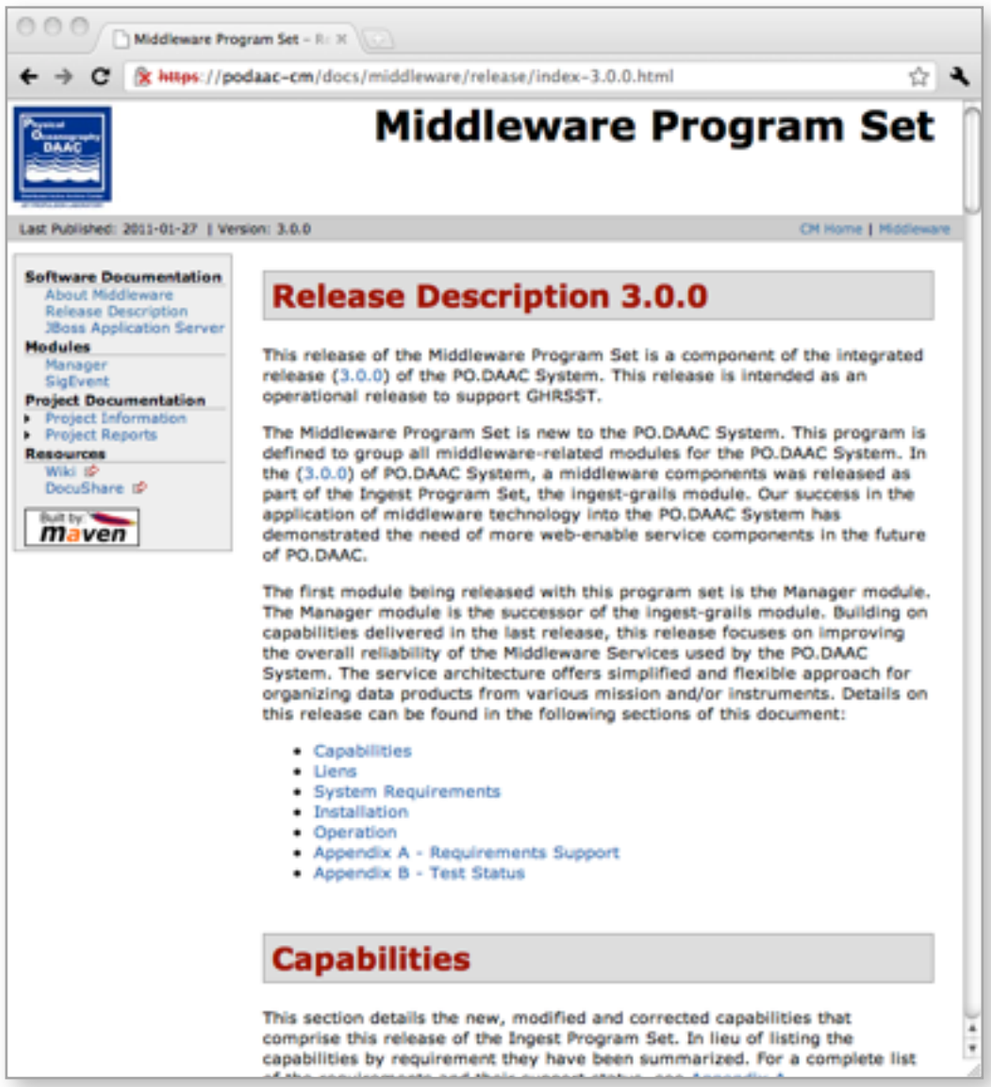


- **New Capabilities**
  - Added ingestion of Polygons for ASCAT, but can be used for all. The “Spatial” element MUST be added to the dataset_elements for this to be captured.
  - Added the following fields to Dataset: *sample_frequency, swath_width, metadata, temporal_repeat, temporal_repeat_max,* and *temporal_repeat_min*.
  - Added the following field to Sensor: *sample_frequency*
- **Modified Capabilities**
  - Trac 856 - Addition to Location Policy in DM tool (REMOTE-HTTP).
  - Fixed equality methods that were creating hibernate issues.
- **Corrected Capabilities**
  - Trac 725 - DMAS 2.2.0 new db trigger problem
    - Not a trigger issue, but a DMT issue in inventory.
  - Removed duplicate element from element_dd table.
  - Changed default ‘Remote Dataset’ option to ‘L’

Data Dictionary 3.0.0

https://bravo-lib.jpl.nasa.gov/docushare/dsweb/Get/Document-1320469/podaac_dictionary-3.0.0.xlsx

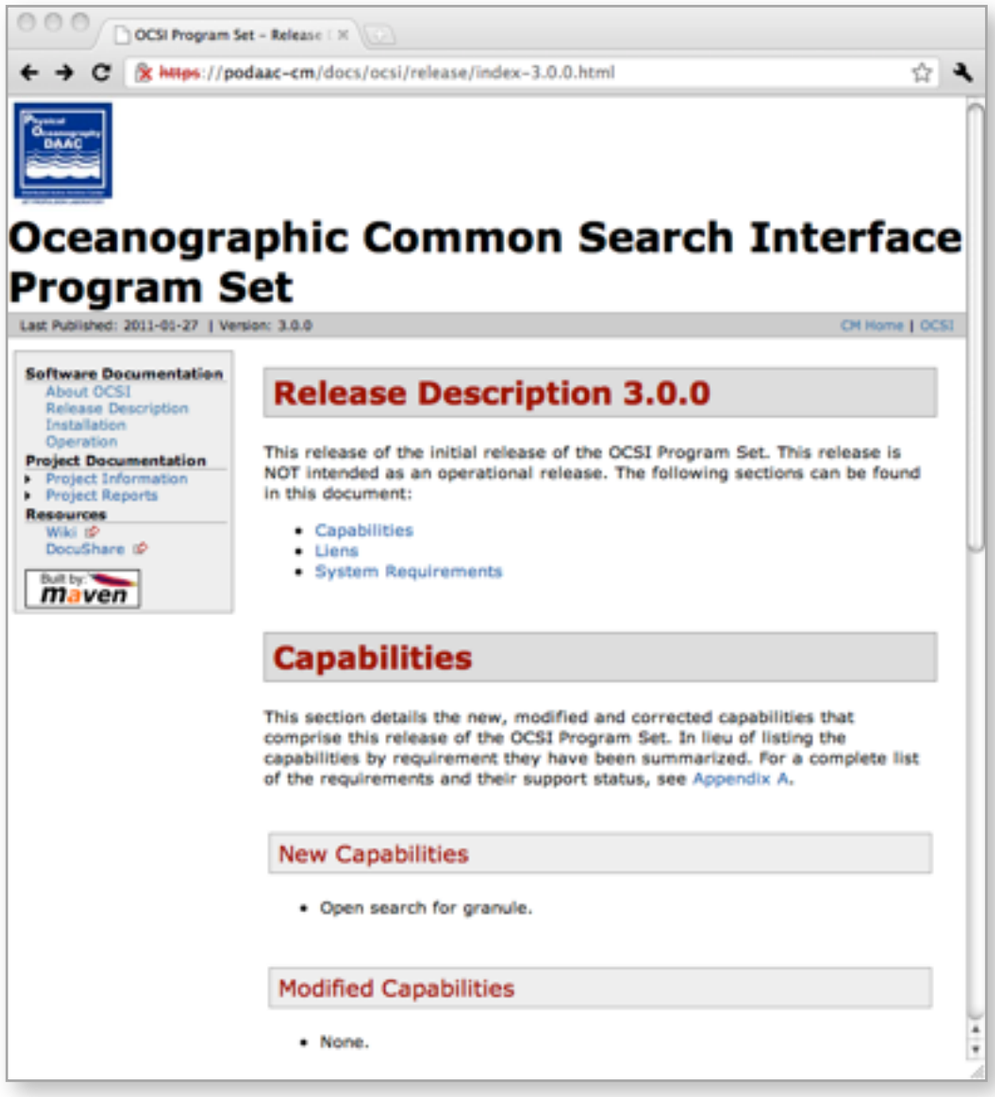
Program Set: Middleware



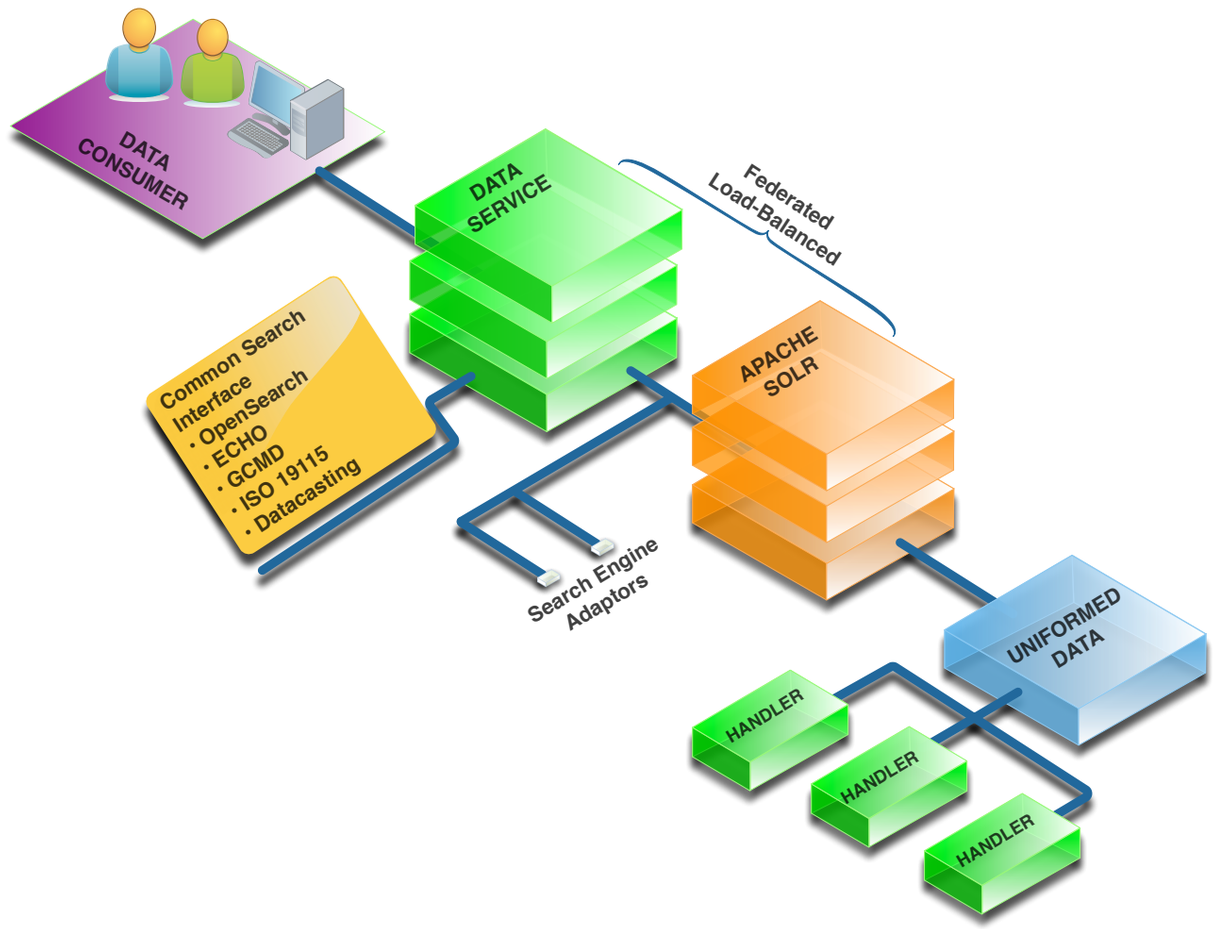
- **New Capabilities**
  - Manager
    - New web API to support new feature of operator tool to show counts of products in the ing_product with state/ lock.
- **Modified Capabilities**
  - Manager
    - Performance turning - modified the logics for handling jobs in the Manager
- **Corrected Capabilities**
  - Trac 684 - Remove the following GHRSST L4 products from Manager and SigEvent.
    - REMSS-L4HRfnd-GLOB-amsre_OI
    - REMSS-L4HRfnd-GLOB-tmi_OI
    - REMSS-L4HRfnd-GLOB-tmi_amsre_OI
  - Manager
    - Trac 525 - Dataset Manager Tool issue with escaping quotes
  - SigEvent
    - Trac 453 - add logging messages to the sig event log whenever a notification subscription changes
    - Trac 731 - DMS/Sig Event SigEvent [INFO/DMAS-DATASET-UPDATED] email notification
    - Trac 852 - Creation of Tools and Services Event Groups

Program Set: OCSI

Oceanographic Common Search Interface



- **New Capabilities**
  - Added OpenSearch results fro Granule search

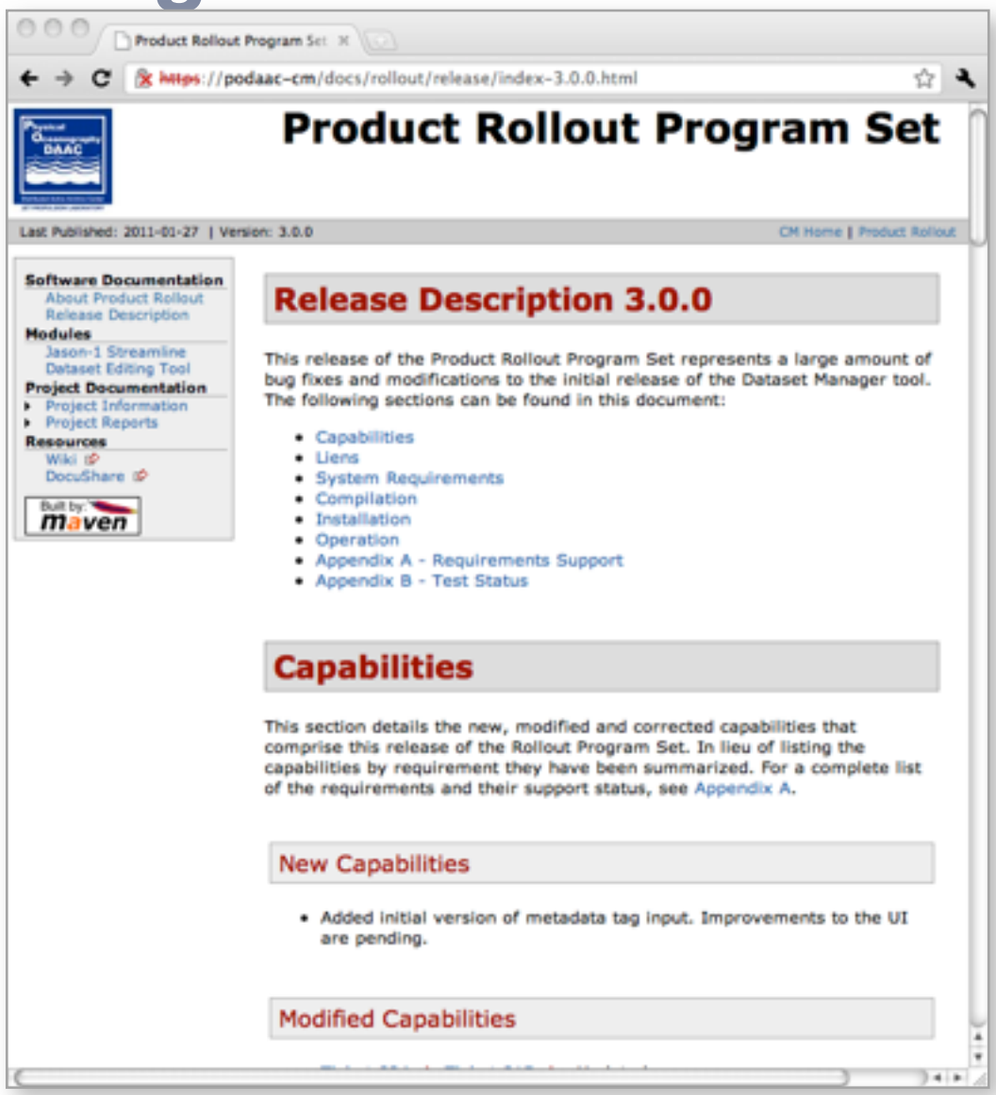


To search granules in dataset "OSDPD-L2P-MSG02" from
start time of Dec 1 00:00:00 UTC 2010 to stop time of Dec 2 23:59:59 UTC 2010

```
% curl -X GET \
"http://seastorm.jpl.nasa.gov:8890/granule/rss.rss?dataset=OSDPD-L2P-MSG02&start=1291161600000&stop=1291334399000"
```

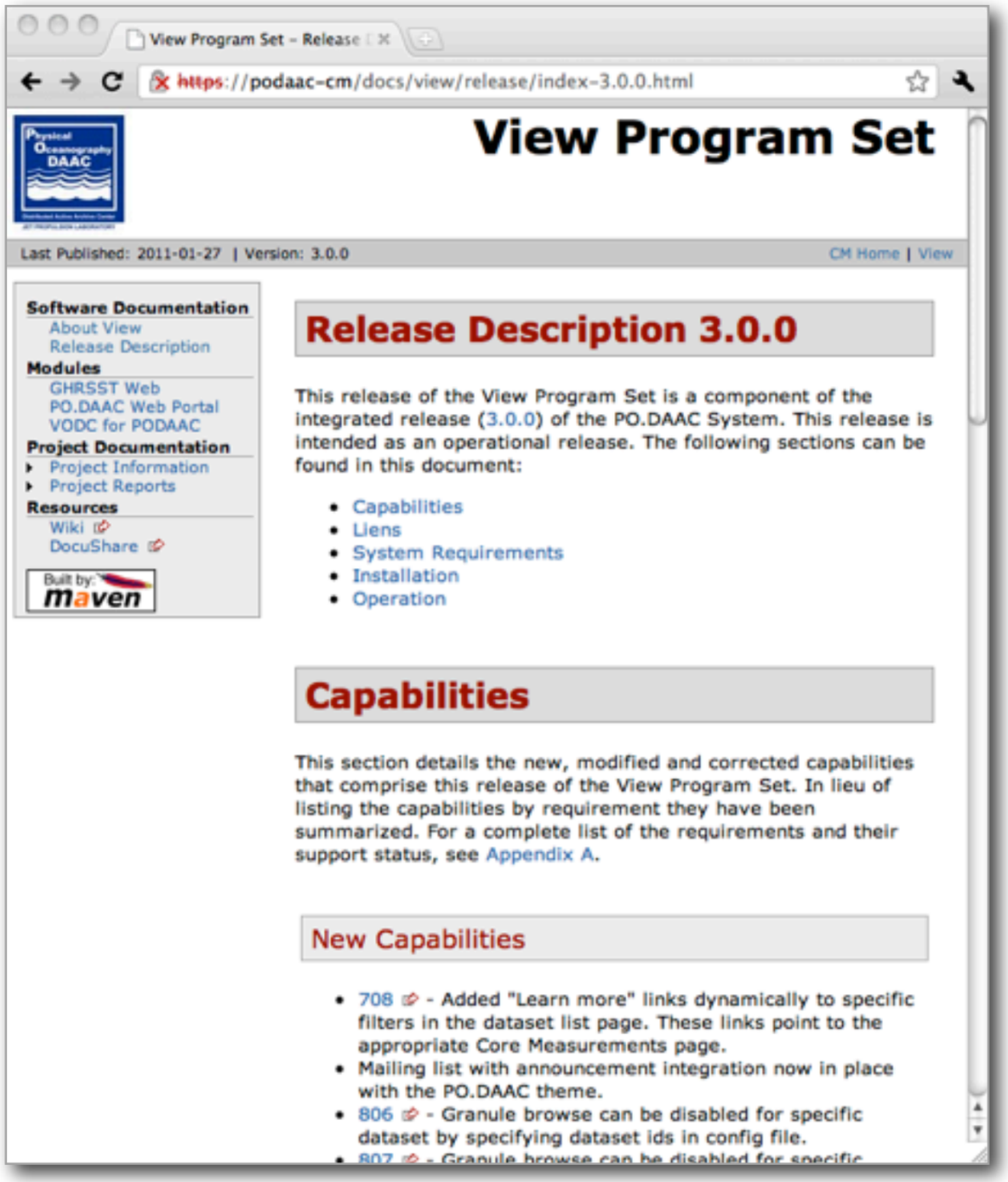
dmas - thuang - 02012011

Program Set: Product Rollout



- **New Capabilities**
  - Added initial version of metadata tag input. Improvements to the UI are pending
- **Modified Capabilities**
  - Trac 815 - DMT: edit collection message say collection added
  - Trac 824 - DMT: better confirmation messages to distinguish adding new or modifying existing
  - Trac 856 - Addition to Location Policy in DM tool
- **Corrected Capabilities**
  - Trac 814 - Dataset Manager bug with newline symbol prevents loading
  - Trac 838 - Dataset Manager - not saving parameters with same variable
  - Trac 853 - along/track cross fields not described correctly in DM tool

Program Set: View



- **New Capabilities**
  - Trac 708 - Per PST/DET Review: Create “More Info” Links on the Data List pages
  - Trac 806 - Removing Granule Browse for Vanhoff
  - Trac 807 - Remove Granule Browse For Coastal Altimetry Strub Datasets
- **Modified Capabilities**
  - Trac 707 - Mouseover functionality per PST/DET Review
  - Trac 708 - Per PST/DET Review: Create “More Info” Links on the Data List pages
  - Trac 846 - Web Portal dataset list page - Platform/ Sensor related change
  - Trac 847 - Web Portal - Browse datasets - 2nd level navigation - misc text updates
  - Trac 849 - Modification to metadata pages
- **Corrected Capabilities**
  - Trac 564 - Facet search
  - Trac 827 - update archive_tool documentation to include the checksum option for verify
  - Trac 848 - Web Portal - Browse datasets - 2nd level navigation - remove the facet if there are no items

dmas - thuang - 02012011

List of Addressed Trac Tickets

Trac #	Reporter	Title
378	cchen	GHRSST specific remove noaa symlink after granule rolled off
453	lrodrig	add logging messages to the sig event log whenever a notification subscription changes
525	ymchen	Dataset Manager Tool issue with escaping quotes
564	abingham	Facet search
688	gfoti	Add new view-only role for Manager Operator Tool
692	abingham	Extract L2 Perimeter Information
707	abingham	Mouseover functionality per PST/DET Review
708	abingham	Per PST/DET Review: Create "More Info" Links on the Dataset List pages
720	ymchen	Generic Crawler startdate problem
725	ymchen	DMAS 2.2.0 new db trigger problem
726	jhausman	new Jason-1 JMR product, ingest through DMAS
731	lrodrig	DMT/Sig Event SigEvent [INFO/DMAS-DATASET-UPDATED] email notification
783	ymchen	Operator Tool error when editing storage space
806	dmoroni	Removing Granule Browse for Vanhoff
807	dmoroni	Remove Granule Browse For Coastal Altimetry Strub Datasets
813	cchen	Add summary page to the operator tool
814	ymchen	Dataset Manager bug with newline symbol prevents loading
815	lrodrig	DMT:edit collection message says collection added
821	cchen	Operator Tool - add timezone info
824	lrodrig	DMT: better confirmation messages to distinguish adding new or modifying existing
827	ymchen	Web Portal dataset search box shows non-public datasets
838	ymchen	Dataset Manager - not saving parameters with same variable
844	lrodrig	ghrsst data handler reports incorrect jpg file error
846	scosic	Web Portal dataset list page - Platform/Sensor related change
847	scosic	Web Portal - Browse datasets - 2nd level navigation - misc text updates
848	scosic	Web Portal - Browse datasets - 2nd level navigation - remove the facet if there are no items
849	earmstro	Modification to metadata pages
852	ckthomps	Creation of Tools and Services Event Groups
853	earmstro	along/track cross fields not described correctly in DM tool
856	earmstro	Addition to Location Policy in DM tool

?

dmas - thuang - 02012011