

Core System v3.0.0

Release Description Document (RDD) Review

Thomas Huang
February 01, 2011

**Feedbacks
Failure Reports**



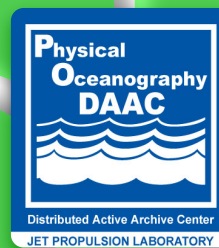
Deployment

Design

**Requirements
Design Review**



**Test Documentations
Failure Reports
Operation Readiness Review**



Validation

Planning

Development

**Release Description Review
Documentations**



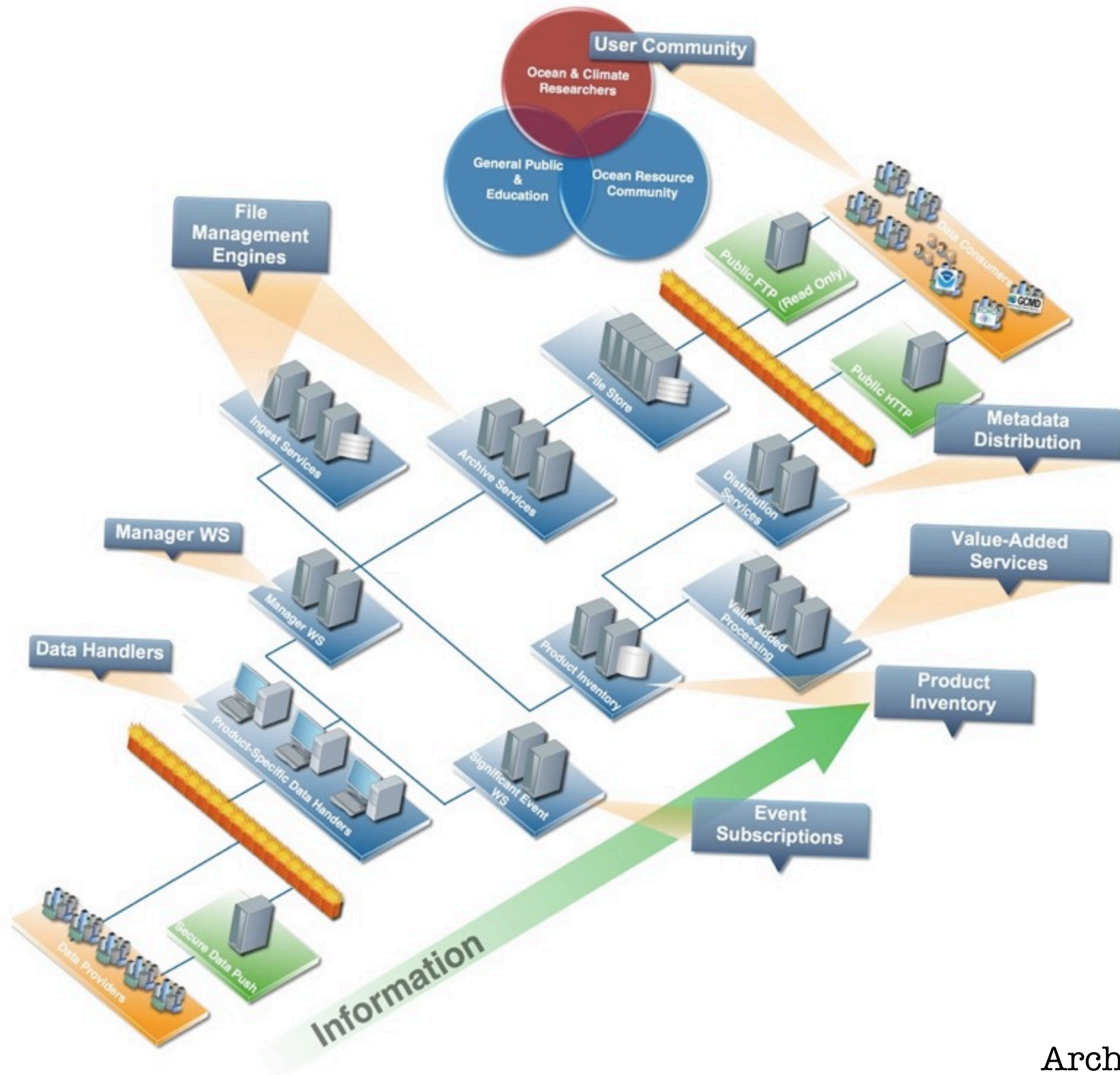
**Schedule
Approved**



Process

What





Architecture

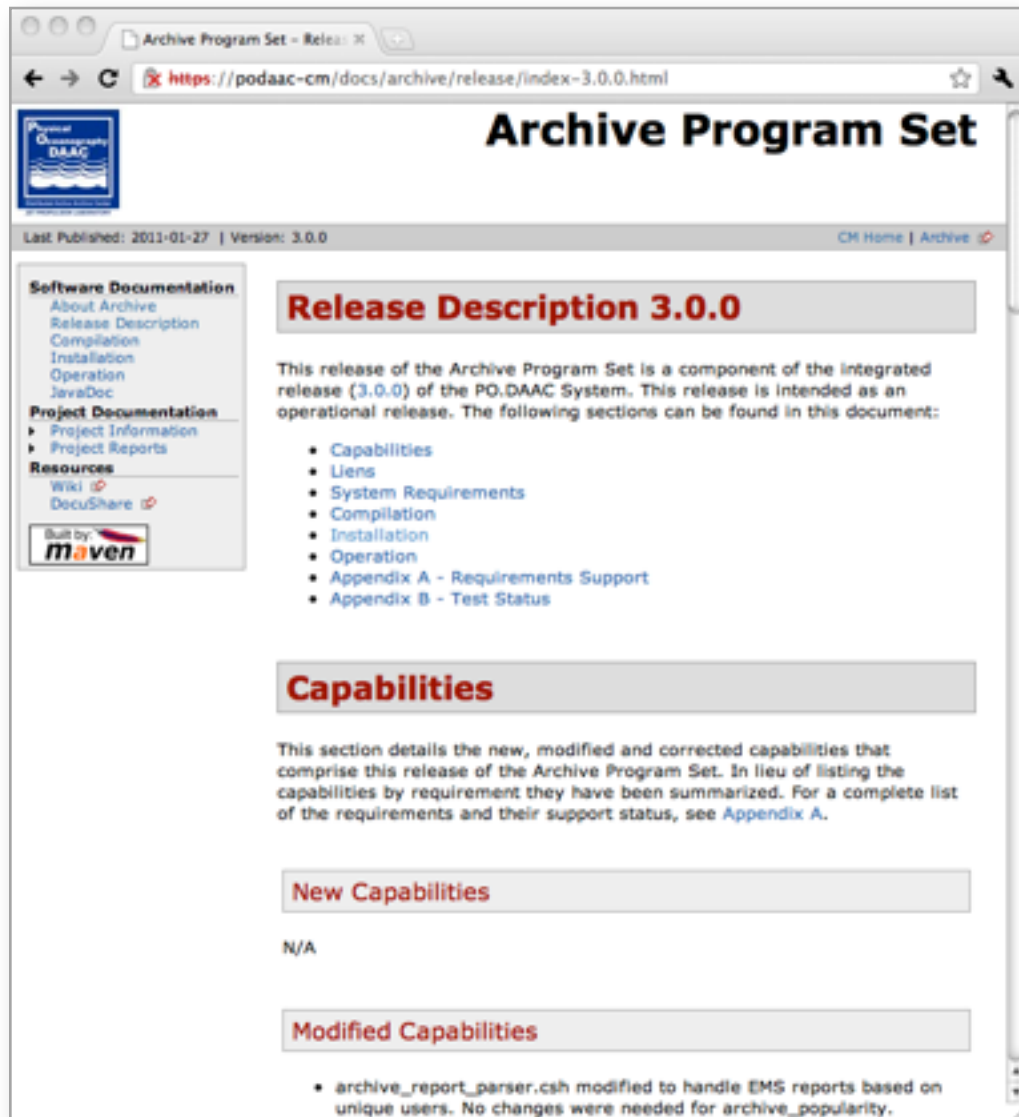
Program Set: Administer

The screenshot shows the 'Administer Program Set' web application. The browser address bar displays 'https://podaac-cm/docs/administer/release/index-3.0.0.html'. The page title is 'Administer Program Set'. Below the title, it says 'Last Published: 2011-01-27 | Version: 3.0.0'. On the left, there is a sidebar with links for 'Software Documentation', 'Modules', 'Project Documentation', and 'Resources'. The main content area has a section titled 'Release Description 3.0.0' which states: 'This release of the Administer Program Set is a component of the integrated release (3.0.0) of the PO.DAAC System. This release is intended as an operational release. The following sections can be found in this document:'. Below this, there is a list of capabilities: 'Capabilities', 'Liens', 'System Requirements', 'Installation', 'Operation', 'Appendix A - Requirements Support', and 'Appendix B - Test Status'. Another section titled 'Capabilities' follows, stating: 'This section details the new, modified and corrected capabilities that comprise this release of the Administer Program Set. In lieu of listing the capabilities by requirement they have been summarized. For a complete list of the requirements and their support status, see Appendix A.' Below that, a section titled 'New Capabilities' lists three items: 'Ticket 813 - Added the Granule Summary table below the granule listing table. This table lists total counts of state/lock combinations as well as easy filtering to the listing table.', 'Ticket 688 - Role based functionality now in place. Non-admin users may not update any granule or storage information, but can view any information currently in the database.', and 'Added the state table diagram for reference as a link below the login information.'

- **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

The screenshot shows the 'Manager Operator Tool' interface. At the top, it says 'Logged In as Thomas Huang' and 'Click here to view the state table diagram'. Below this, there are two tabs: 'Granule Management' and 'Storage Management'. The 'Granule Management' tab is active, displaying a table of granules. The table has columns: 'ID', 'Name', 'Current State', 'Current Lock', 'Retries', 'Created', 'Last Updated', 'Archived At', 'Contributor', and 'Notes'. The table contains 10 rows of granules, all with 'STAGED' state and 'REPLACE' lock. Below the table, there is a 'Summary Of Granules' section with a table showing counts for different states and locks. The summary table has columns: 'State', 'Lock', and 'Count'. The data rows are: 'STAGED REPLACE 196', 'ARCHIVED TRASH 1', 'ARCHIVED DELETE 1', and 'ASSIGNED ARCHIVE 12'. There is a 'Refresh Summary' button below the summary table. At the bottom, there is a 'property @thomah' section with a table showing counts for different properties. The property table has columns: 'Property', 'Value', and 'Count'. The data rows are: 'VIEWED VIEWED 11', 'VIEWED DELETE 1', 'VIEWED TRASH 1', 'VIEWED ARCHIVE 1', and 'VIEWED ARCHIVE 1'.

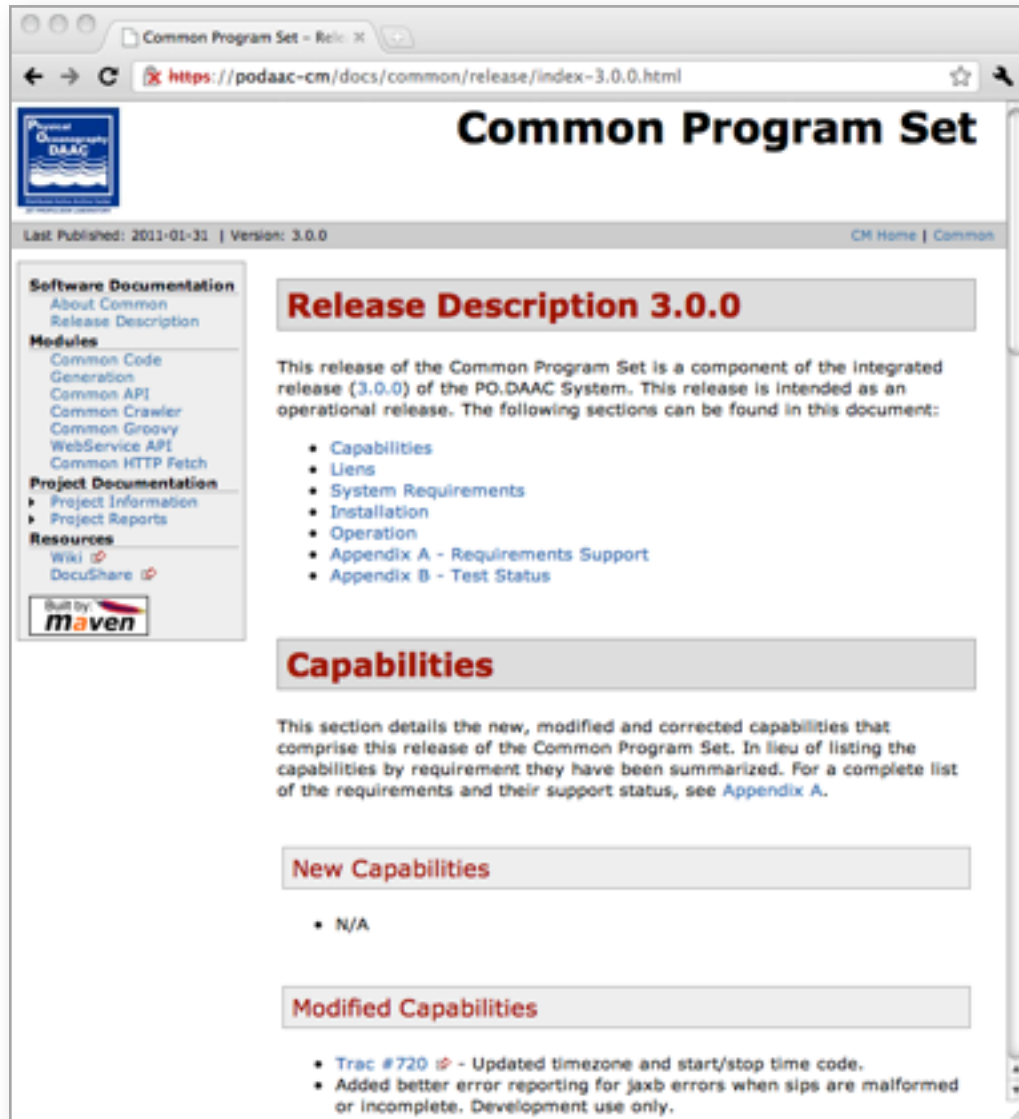
Program Set: Archive



- **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**

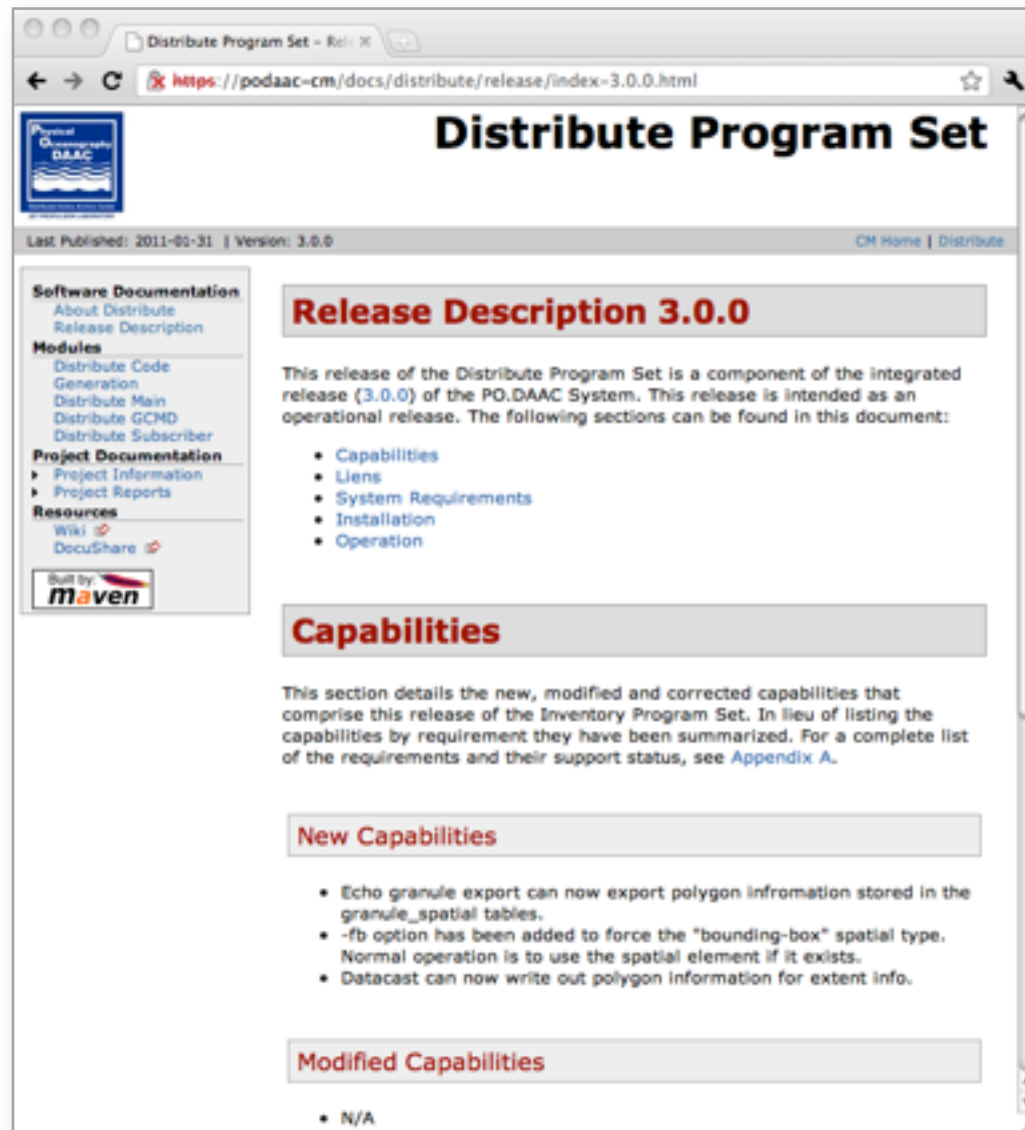
- Trac: [720](#) - Generic Crawler: Added timezone parameter for start/stop dates
- Added better error reporting for jaxb errors when SIPs are malformed or incomplete. Development use only.

Program Set: Data Handlers



- **New Capabilities**
 - GHRSSST
 - Trac 378 - GHRSSST 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**
 - GHRSSST
 - Trac 844 - GRHSST data handler reports incorrect jpg file error

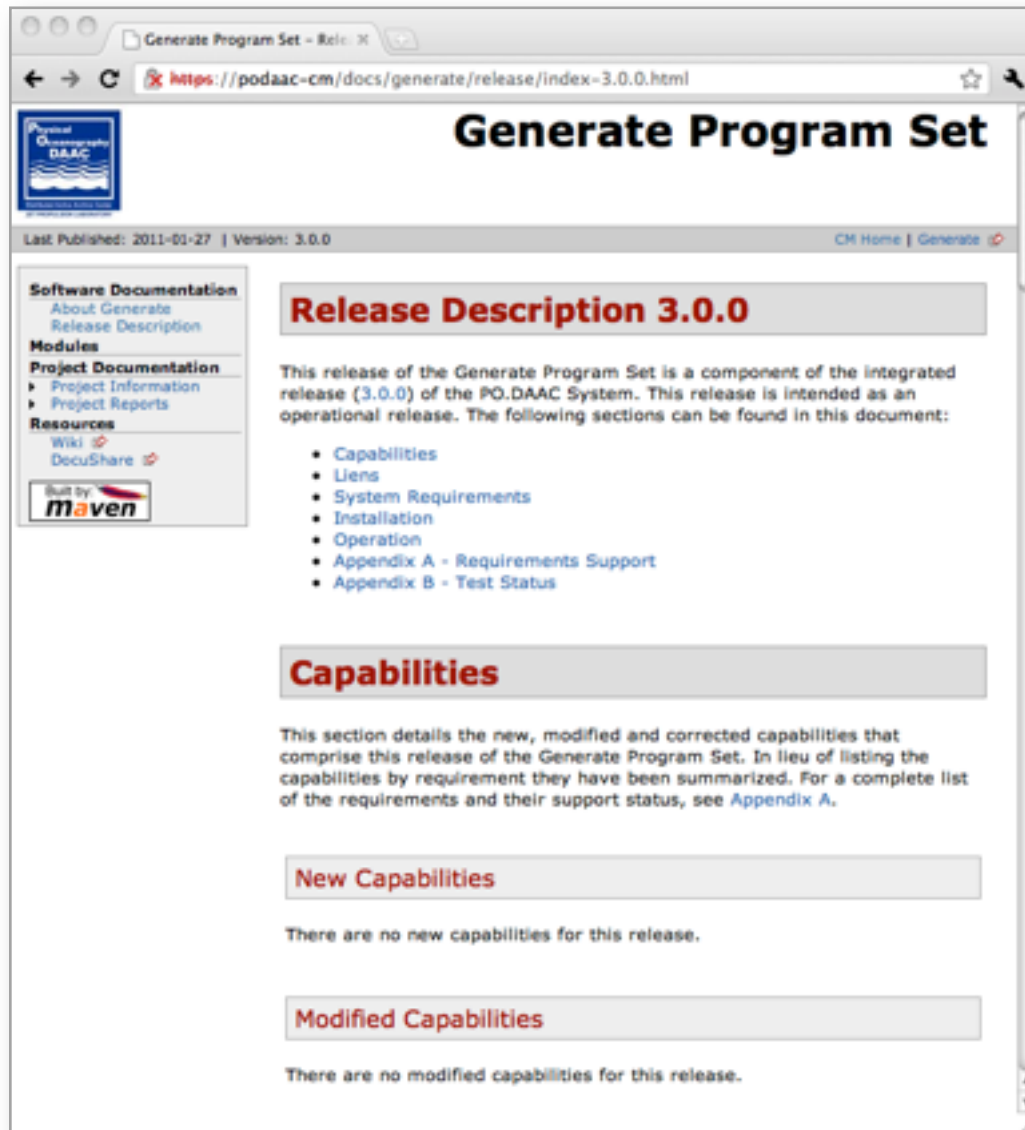
Program Set: Distribute



- **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

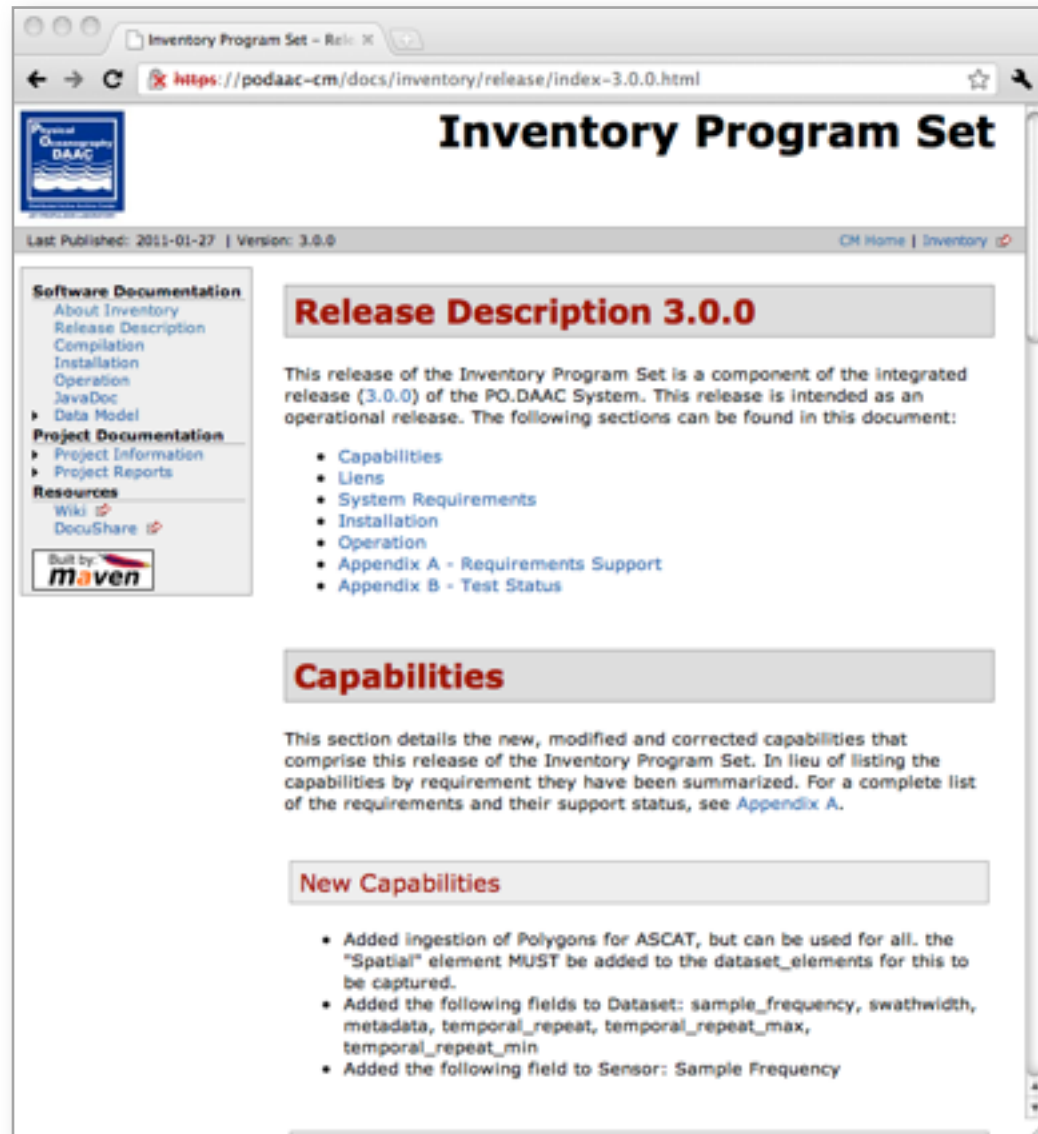


Program Set: Ingest



- No Change

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

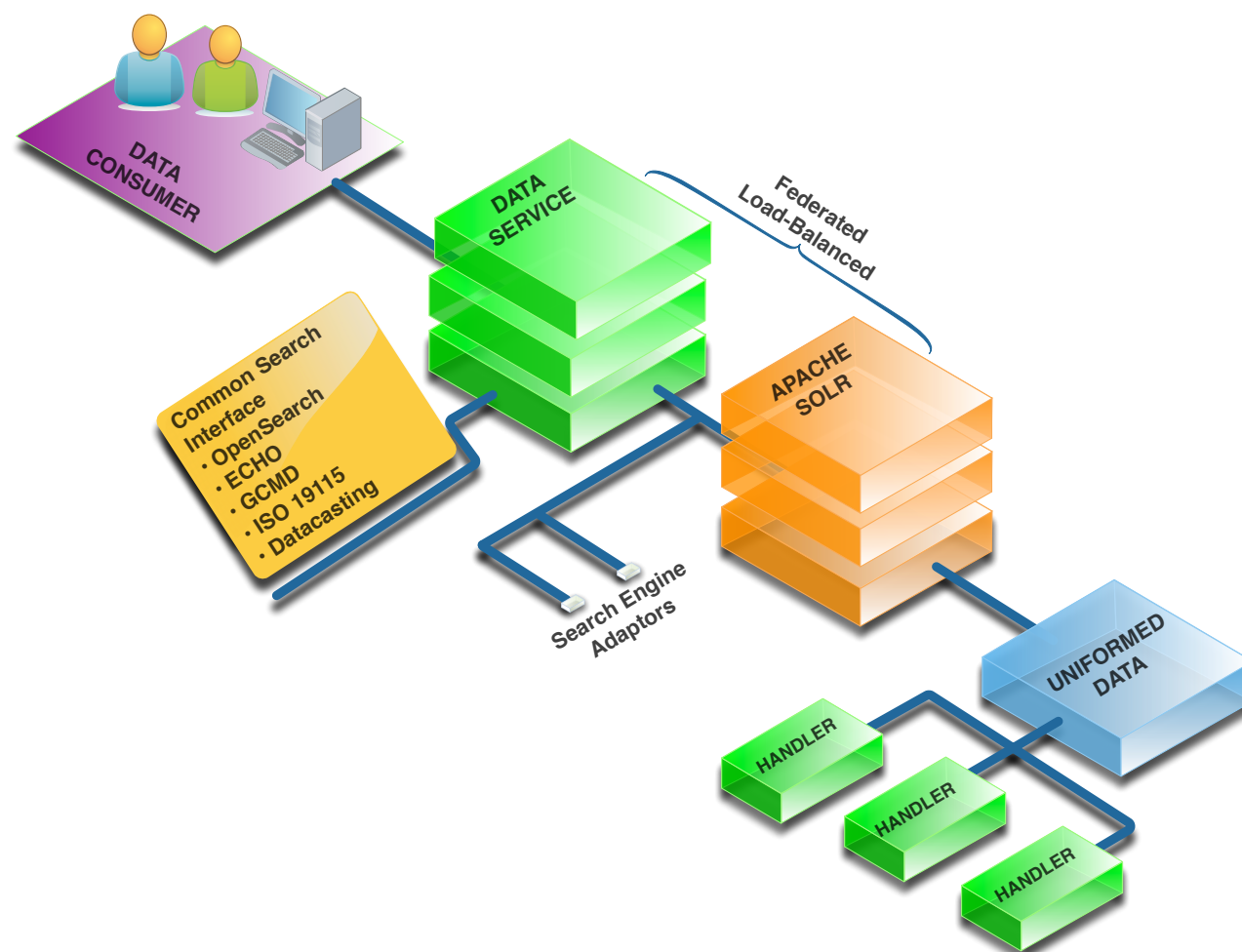
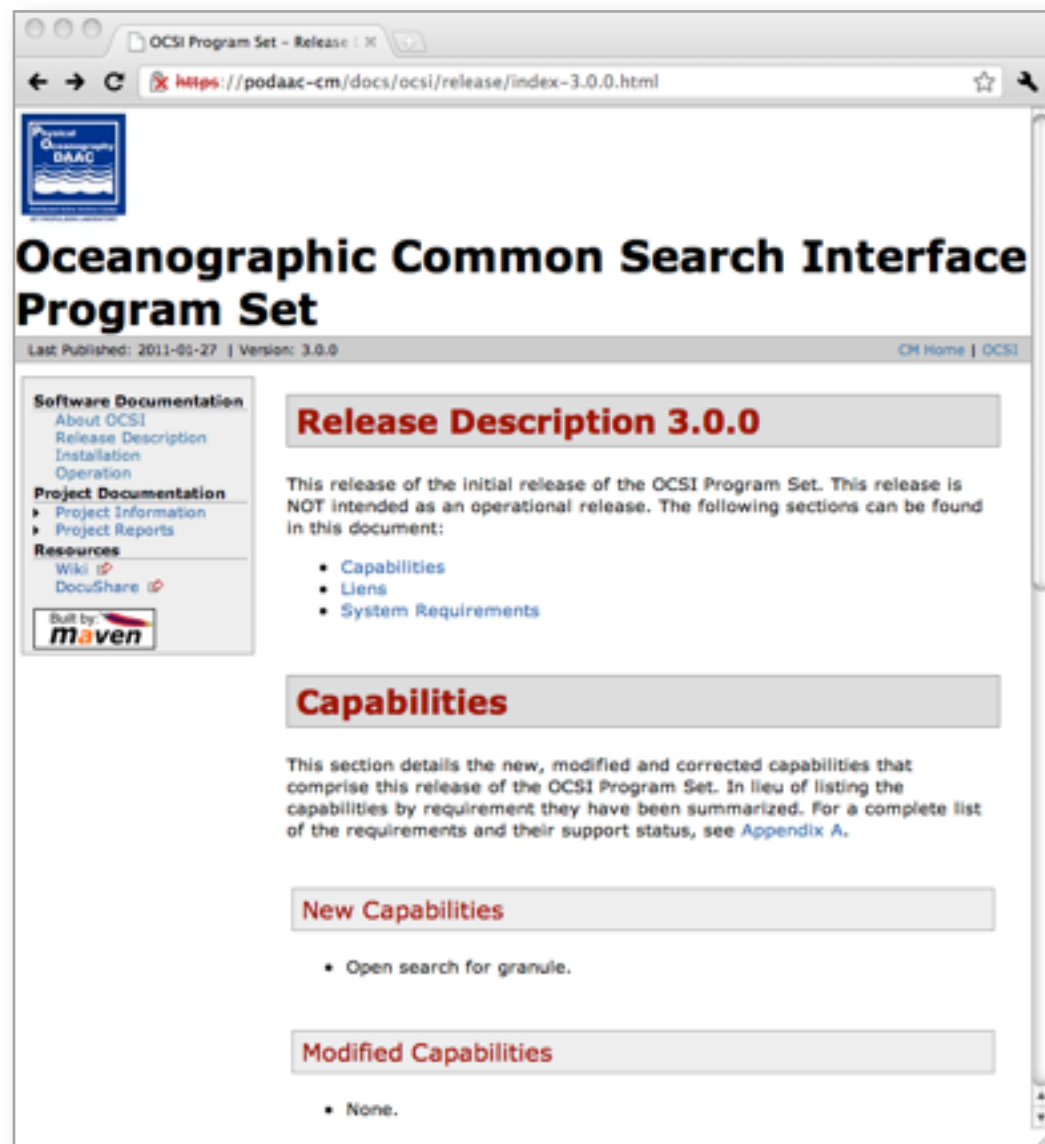


- **New Capabilities**
 - Manager
 - New web API to support new feature of operator tool to show counts of products in the ing_product with state/lock.
- **Modified Capabilities**
 - Manager
 - Performance turning - modified the logics for handling jobs in the Manager
- **Corrected Capabilities**
 - Trac [684](#) - Remove the following GHRSSST 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

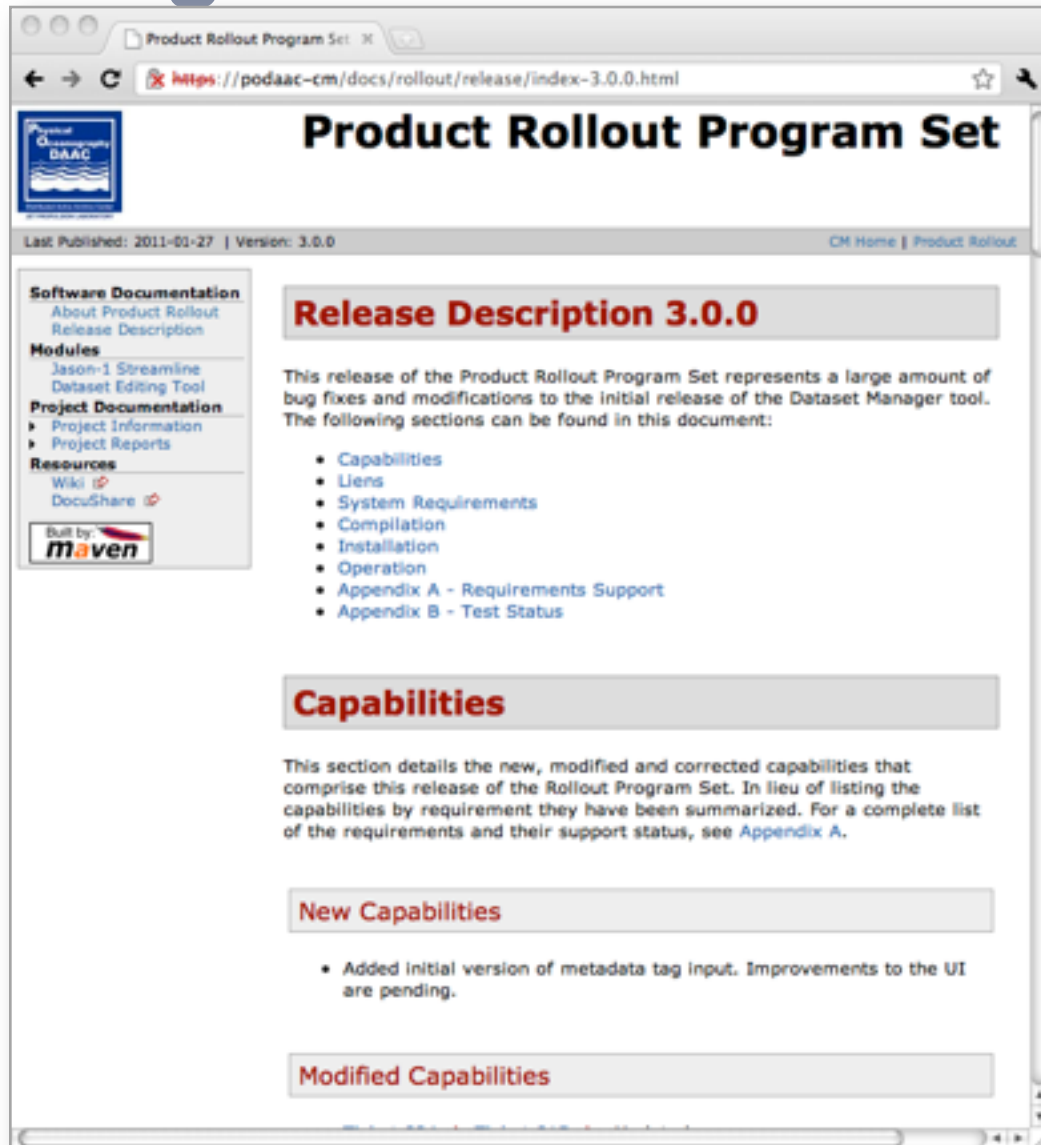
- New Capabilities
 - Added OpenSearch results fro Granule search



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

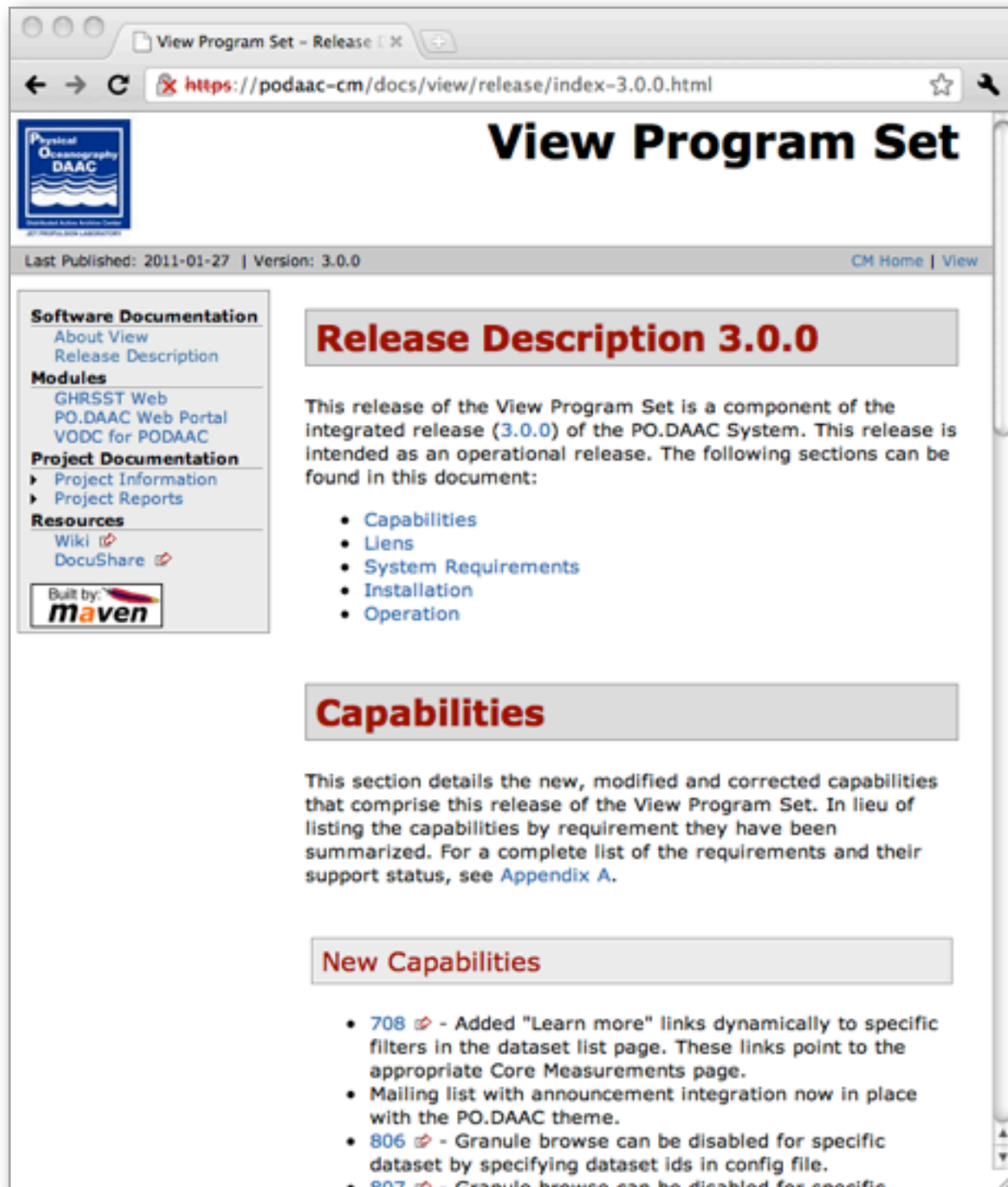
```
% curl -X GET \  
"http://seastorm.jpl.nasa.gov:8890/granule/rss.rss?dataset=OSDPD-L2P-MSG02&start=1291161600000&stop=1291334399000"
```

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

List of Addressed Trac Tickets

Trac #	Reporter	Title
378	cchen	GHRSSST specific remove noaa symlink after granule rolled off
453	Irodrig	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	Irodrig	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	Irodrig	DMT:edit collection message says collection added
821	cchen	Operator Tool - add timezone info
824	Irodrig	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	Irodrig	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



