

# Metadata Management Tool (MMT) User Guide [Task 35]

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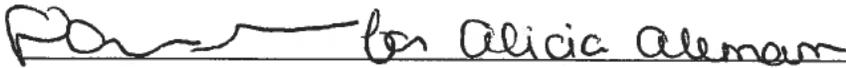
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# Metadata Management Tool (MMT) User's Guide

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This page describes how to use the Metadata Management Tool (MMT) to:

- perform functions related to Create/Read/Update/Delete of CMR Metadata Records
- perform functions related to managing permissions and usage of CMR metadata.

## Accessing the MMT

### URLs for the Metadata Management Tool

SIT environment: <https://mmt.sit.earthdata.nasa.gov>

UAT environment: <https://mmt.uat.earthdata.nasa.gov>

PROD environment: <https://mmt.earthdata.nasa.gov>

### Provider Context

To use the MMT, you must have a CMR metadata provider context. Ensure that, for each of your providers, your Earthdata Login username for the appropriate environment (SIT, UAT, PROD) is a member of a group (normally the Administrator group for the provider) that has both 'Provider Context' and 'Provider Object ACLs' permissions. See [Manage 'Provider Object Permissions' for a user group](#).

If you log in to the MMT but have no provider context set, you will see the following page:



You currently have no available providers. Please contact your provider administrator or the CMR OPS team to set up provider access.

[Refresh your available providers](#)

If you see this page, you should log out and contact your provider Administrator or the CMR OPS team at [support@earthdata.nasa.gov](mailto:support@earthdata.nasa.gov) to become a member of a provider group.

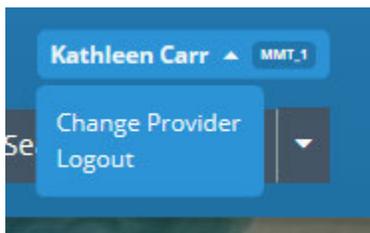
## Login to the MMT

Click on 'Earthdata Login', and log in to the MMT using your Earthdata Login username and password for the appropriate environment (SIT, UAT, PROD)

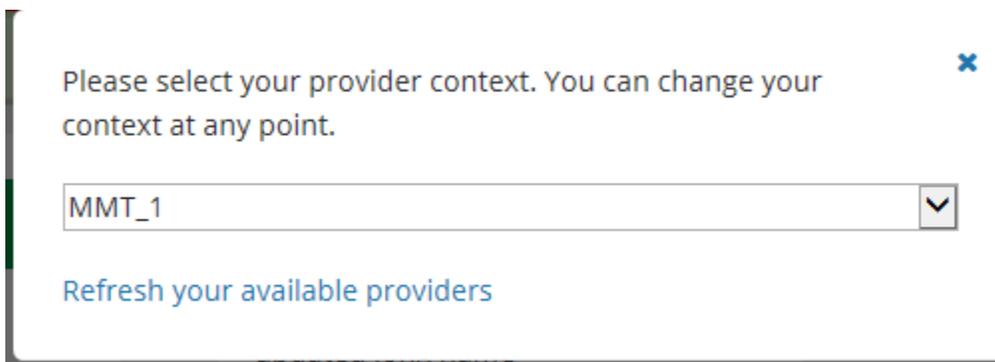


## Change Provider

1. Click on either your login name or the arrow to the right of your login name in the upper right corner of the MMT page, and then click on Change Provider. Or, click on the name of your current provider in the dark blue badge to the right of your login name.



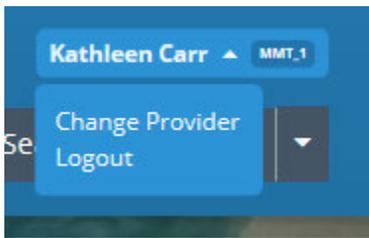
2. Select a new provider from the pull-down of the available providers associated with your login name.



3. If you have recently been granted access to a new provider, you may need to click on 'Refresh your available providers' so that the new provider appears on the pull-down list.

## Logout of the MMT

Click on either your login name or the arrow to the right of your login name in the upper right corner of the MMT page, and then click on Logout.



## Manage Collection Metadata for my provider

### Required Permissions

To create, update, or delete collection metadata records in the CMR, your username must be a member of a group with Provider Object Permissions which include Ingest Operations Read and Update.

See your provider Administrator if you are not sure whether your username has the correct permissions for these operations. The provider Administrator should refer to the [Manage 'Provider Object Permissions' for a user group](#) section below to assign these permissions.

## Create a collection record in the CMR for my provider

1. On the 'Manage Collections' dashboard,



click on 'Create New Record'. A draft collection record will be created.

## Create Collection Record

Create New Record

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**OR** use the [search](#) in the top right corner to find a published variables to clone or edit.

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2. Begin filling in metadata fields for your draft collection record. Use the information icons (blue 'i') to get information about what fields mean and how to format their values.

Save & Jump To:

ⓘ Indicates required field

## ⓘ Collection Information

ⓘ Short Name ⓘ

ⓘ Version ⓘ

Version Description ⓘ

ⓘ Entry Title ⓘ

DOI ⓘ

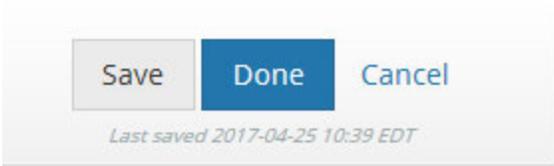
Authority ⓘ

ⓘ Abstract ⓘ

3. Navigate from form to form using the Previous or Next buttons, or by choosing the next form to edit from the pull-down list at 'Save & Jump To:'. You may work on forms in any order. When you move from one form to another, your input from the previous form will be saved in your draft record.

Save & Jump To:

4. Explicitly Save form input (within a session or at the end of a session) with the 'Save' button; Finish editing your draft record using the 'Done' button.



NOTE: When you are working with a draft collection record, all 'Save' and 'Done' operations update the draft record in the MMT database, not in the CMR. Your draft collection record will not be ingested into the CMR until you click on the 'Publish Draft' button in step 8 below.

5. Follow progress of your draft record on the progress panel:

### Metadata Fields

<input checked="" type="checkbox"/> Collection Information 	<input type="checkbox"/> Data Identification 	<input type="checkbox"/> Distribution Information 
<input type="checkbox"/> Descriptive Keywords 	<input type="checkbox"/> Acquisition Information 	<input type="checkbox"/> Temporal Information 
<input type="checkbox"/> Spatial Information 	<input type="checkbox"/> Data Centers 	<input checked="" type="checkbox"/> Data Contacts 
<input checked="" type="checkbox"/> Collection Citations 	<input checked="" type="checkbox"/> Metadata Information 	

The icons on the progress panel have the following meanings:

-  Required but not complete
-  Required and complete
-  Optional and not complete
-  Optional and complete
-  Does not pass validation

6. View an HTML rendering of your collection record on the 'preview panel':

### Abstract

abc

### Version Description

version 1 is the initial version; this description has been updated

### Data Identification Fields:

#### Processing Level

*This collection's processing level has not been specified.*



#### Quality

medium quality

### Collection Progress

*This collection's collection progress has not been specified.*

### Related URLs

empty url	

*There are no science keywords for this collection.*

### Acquisition Information Fields:

#### Platforms

*No platforms or instruments have been added to this associated with this collection.*

### Temporal Information Fields:

### Spatial Information Fields:

*There is no spatial information for this collection.*

### Data Centers

*There are no listed data centers for this collection.*

### Data Contacts

*There are no listed data contacts for this collection.*

### Collection Citations Fields:

*There are no additional metadata details for this collection.*



### Spatial Coordinates

No Spatial Coordinates found

### Temporal Coverages

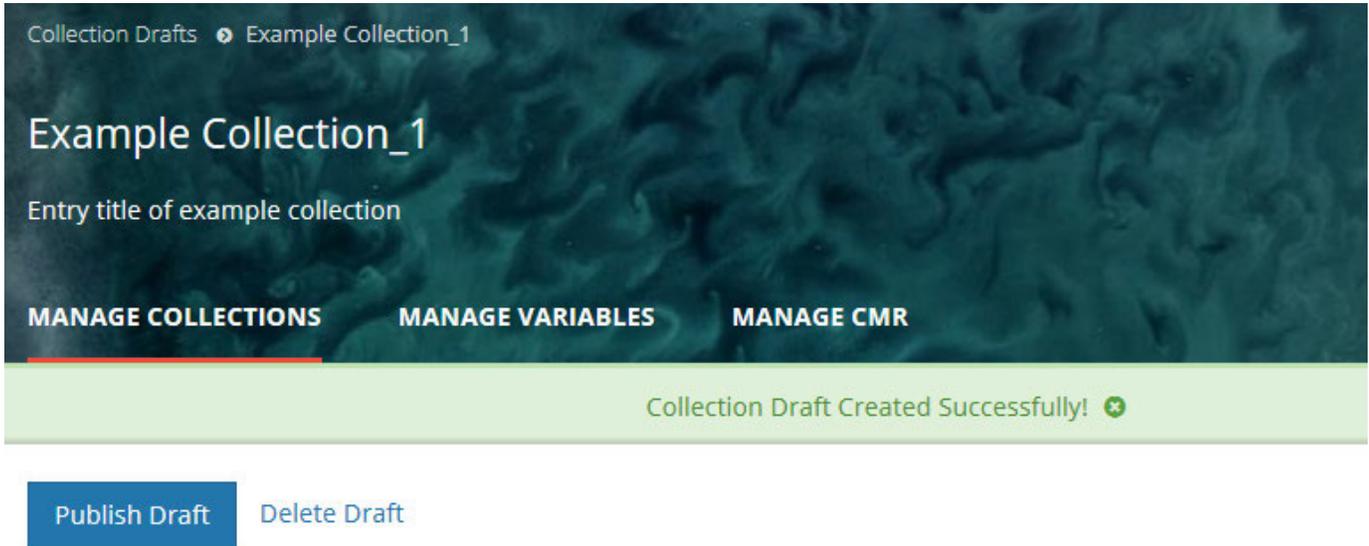
No Temporal Coverages found

## 7. Special NOTES when creating or editing a collection level record:

- To have the NRT (Near Real Time) badge appear for the collection on the Earthdata Search Client, set Collection Type to 'Near Real Time' on the 'Data Information' form.
- On the 'Temporal Extent' form, Ends at Present should be set to False if there is an end date for the collection.
- NASA data centers are strongly encouraged to provide DOI information for the Collection on the 'Collection Information' form.

8. When all required fields are complete with no validation errors (red icon) showing on the progress panel, you are ready to publish your draft record to the CMR.

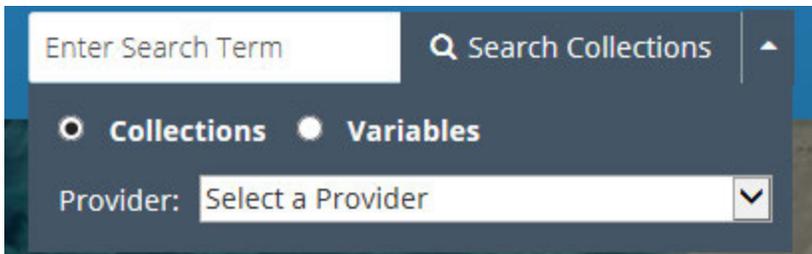
Click on the 'Publish Draft' button above the progress panel on the draft record page:



9. You will then see a green banner indicating that your collection record has been successfully published to the CMR. You will also receive an email stating that your record has been published, and providing the 'concept id' (CMR identifier) for the published record. You may use that concept id to search for your record on the MMT or on the Earthdata Search Client.

## Find and view collection records in the CMR

Use the 'Search Collections' interface in the upper right corner of the MMT banner on the Manage Collections dashboard:



## Find records based on a keyword

Enter a search term (e.g., Short Name, Entry Title, a CMR concept id, a science keyword) in the white 'Enter Search Term' box, and click on 'Search Collections'.

A table of CMR collection records which match the search term will be presented (sorted by Entry Title).

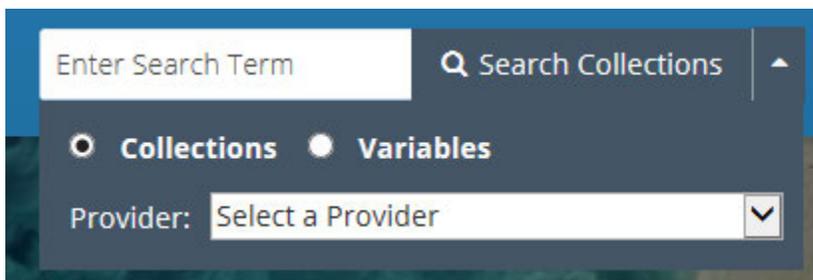
2717 Collection Results for: Keyword: aerosol

Showing collections 1 - 25 of 2717

Short Name ↕	Version	Entry Title ↕	Provider ↕	Last Modified ↕
<a href="#">hs3cpl_Test_Ritz</a>	1	(Test) HURRICANE AND SEVERE STORM SENTINEL (HS3...	SCIOPSTEST	2016-07-13
<a href="#">6070509_Eklutna</a>	Not provi...	6070509_Eklutna_LIDAR	GCMDTEST	2015-11-06
<a href="#">6070509_Eklutna</a>	Not provi...	6070509_Eklutna_LIDAR	SCIOPS	2016-06-27
<a href="#">OFR_95-55</a>	Not provi...	A Compilation of Sulphur Dioxide and Carbon Dioxide...	GCMDTEST	2015-06-08
<a href="#">OFR_95-55</a>	Not provi...	A Compilation of Sulphur Dioxide and Carbon Dioxide...	SCIOPS	2016-06-28
<a href="#">CERES_CCCM</a>	Release B1	A-Train Integrated CALIPSO, CloudSat, CERES, and MO...	GCMDTEST	2015-10-23
<a href="#">CERES_CCCM-RelA2</a>	Release A2	A-Train Integrated CALIPSO, CloudSat, CERES, and MO...	GCMDTEST	2015-10-23

To view an html representation of the metadata for any collection record in the search results table, click on the Short Name of the collection.

### Find all collection records for a provider



Select a provider from the 'Select a Provider' drop-down list, and then click on 'Search Collections'.

A table of all CMR collection records for the selected provider will be presented (sorted by Entry Title).

49 Results for: Record State: Published Records | Provider Id: MMT\_1

Showing records 1 - 25 of 49

Short Name ↕	Version	Entry Title ↕	Provider ↕	Last Modified ↕
<a href="#">LGB_10m_traverse</a>	Not provid...	10 m firn temperature data: LGB traverses 1990-95	MMT_1	2016-07-21
<a href="#">MINIMAL</a>	1	A minimal valid collection V 1	MMT_1	2016-07-27
<a href="#">JAMES-TEST-COLLECTION...</a>	1.0	Another one of Jame's Test Collection for testing	MMT_1	2017-02-14
<a href="#">ASO_50M_SD</a>	1	ASO L4 Lidar Snow Depth 50m UTM Grid V001	MMT_1	2017-05-04
<a href="#">AST_L1T</a>	V198	ASTER Level 1 precision terrain corrected registered at-...	MMT_1	2016-07-21

To view an html representation of the metadata for any collection record in the search results table, click on the Short Name of the collection.

### Update a collection record in the CMR for my provider

1. Find the collection record using the instructions above (Find and View Collections in the CMR), and click on the Short Name of the collection to view the collection record page.

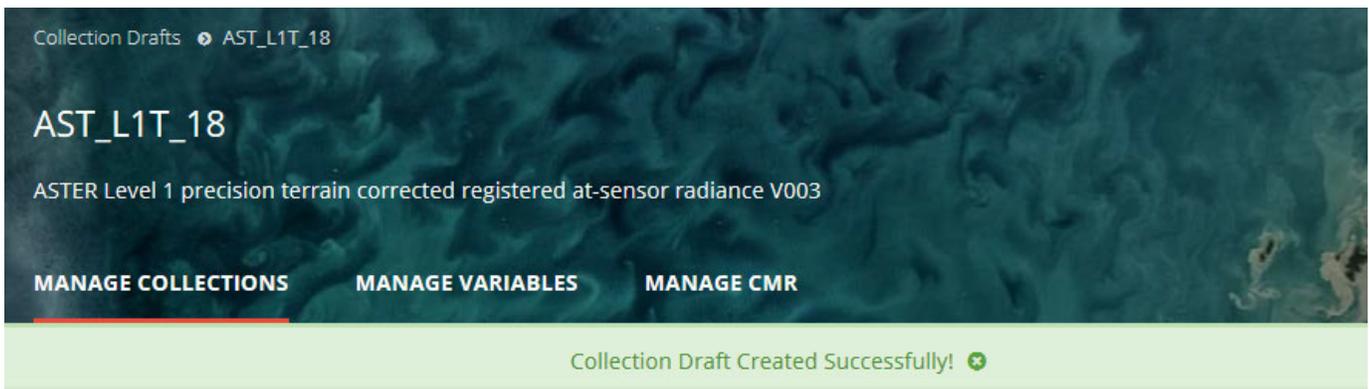
2. At the top of the collection record page, click on 'Edit Collection Record'



[Edit Collection Record](#) | [Clone Collection Record](#) | [Download XML](#) | [Delete Collection Record](#)

[Revisions \(10\)](#) | [Granules \(0\)](#) | [Save as Template](#)

3. A new draft of this record will be created in the MMT database. The MMT will display the progress panel (and html representation) for the draft record.



[Publish Draft](#) [Delete Draft](#)

### Metadata Fields ?

Collection Information

Descriptive Keywords

Spatial Information

Collection Citations

Data Identification

Acquisition Information

Data Centers

Metadata Information

Related URLs

Temporal Information

Data Contacts

4. On the progress panel, click on any section to begin editing the draft record. Use the progress panel and navigation buttons described in [Create a collection record in the CMR for my provider](#) to update the metadata in the draft record.

5. When you have finished editing the draft record, publish it to the CMR by clicking on the Publish Draft button above the progress panel. This will create a new revision of the collection record in the CMR. The CMR stores up to 10 revisions of each collection record. When an 11th revision is created, the first revision is deleted, and so on. Each revision of a collection record has the same concept id as the original collection record.

**Publish Draft**

Delete Draft

## Clone and edit a collection record in the CMR for my provider

1. Find the collection record using the instructions above (Find and View Collections in the CMR), and click on the Short Name of the collection to view the collection record page.

2. At the top of the collection record page, click on 'Clone Collection Record'

Revision Created Successfully! 

### Revision History

Description	Revision Date	Action by	Actions
23 - Published <a href="#">View</a>	2017-11-03T19:40:15Z	kathleen_carr	
22 - Revision <a href="#">View</a>	2017-11-03T19:38:18Z	kathleen_carr	<a href="#">Revert to this Revision</a>
21 - Deleted	2017-11-03T19:36:57Z	kathleen_carr	
20 - Revision <a href="#">View</a>	2017-10-25T15:35:27Z	rabbott	<a href="#">Revert to this Revision</a>
16 - Revision <a href="#">View</a>	2017-09-26T18:34:37Z	kathleen_carr	<a href="#">Revert to this Revision</a>
15 - Revision <a href="#">View</a>	2017-09-26T18:26:04Z	kathleen_carr	<a href="#">Revert to this Revision</a>
14 - Revision <a href="#">View</a>	2017-09-26T18:22:41Z	kathleen_carr	<a href="#">Revert to this Revision</a>
13 - Revision <a href="#">View</a>	2017-09-07T21:36:22Z	kathleen_carr	<a href="#">Revert to this Revision</a>
12 - Revision <a href="#">View</a>	2017-08-31T22:28:51Z	kathleen_carr	<a href="#">Revert to this Revision</a>
11 - Revision <a href="#">View</a>	2017-08-31T21:28:54Z	kathleen_carr	<a href="#">Revert to this Revision</a>



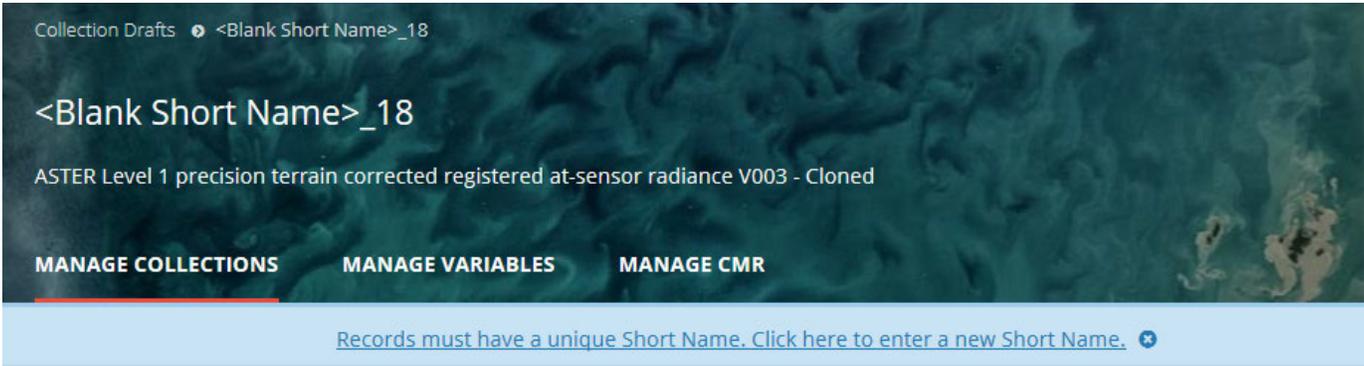
[Edit Collection Record](#) | [Clone Collection Record](#) | [Download XML](#) | [Delete Collection Record](#)

[Revisions \(10\)](#) | [Granules \(0\)](#) | [Save as Template](#)

3. A draft of a clone of this record will be created in the MMT database. The MMT will display the progress panel (and html representation) for the draft record (the clone).

Since collection Short Names must be unique, the clone is initiated with a blank short name. The Entry Title of the clone will be initialized to '<entry title of the original record' - Cloned'. You may edit the record to change the default entry title of the clone.

NOTE: A prompt to enter a new short name for the clone appears in the blue bar, and the progress panel indicates that the Short Name has not yet been filled in.



[Publish Draft](#) [Delete Draft](#)

**Metadata Fields** ⓘ

<input type="radio"/> Collection Information <input type="radio"/> <input type="radio"/>	<input checked="" type="checkbox"/> Data Identification <input type="radio"/> <input type="radio"/>	<input checked="" type="checkbox"/> Related URLs <input type="radio"/>
<input checked="" type="checkbox"/> Descriptive Keywords <input type="radio"/> <input type="radio"/> <input type="radio"/>	<input checked="" type="checkbox"/> Acquisition Information <input type="radio"/> <input type="radio"/>	<input checked="" type="checkbox"/> Temporal Information <input type="radio"/> <input type="radio"/> <input type="radio"/>
<input checked="" type="checkbox"/> Spatial Information <input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/>	<input checked="" type="checkbox"/> Data Centers <input type="radio"/>	<input checked="" type="checkbox"/> Data Contacts <input type="radio"/>
<input checked="" type="checkbox"/> Collection Citations <input type="radio"/>	<input checked="" type="checkbox"/> Metadata Information <input type="radio"/> <input type="radio"/> <input type="radio"/>	

4. On the progress panel, click on any section to begin editing the draft record (the clone). You must enter a new Short Name for the clone. Use the progress panel and navigation buttons described above (Create a collection record in the CMR for my provider) to update the metadata in the

draft record.

5. When you have finished editing the draft record (the clone), publish it to the CMR by clicking on the Publish Draft button above the progress panel. The clone will be stored as a new collection record in the CMR, with a different concept id from the original record.

[Publish Draft](#)

[Delete Draft](#)

## Download XML for a collection record in the CMR

1. Find the collection record using the instructions above (Find and View Collections in the CMR), and click on the Short Name of the collection to view the collection record page.
2. At the top of the collection record page, click on 'Download XML'



[Edit Collection Record](#) | [Clone Collection Record](#) | [Download XML](#) | [Delete Collection Record](#)

[Revisions \(10\)](#) | [Granules \(0\)](#) | [Save as Template](#)

3. You will see a pop-up window asking you to choose the format in which you would like to download the collection metadata.



4. Click on the format that you would like. Your browser and local machine will now prompt you through the download process.

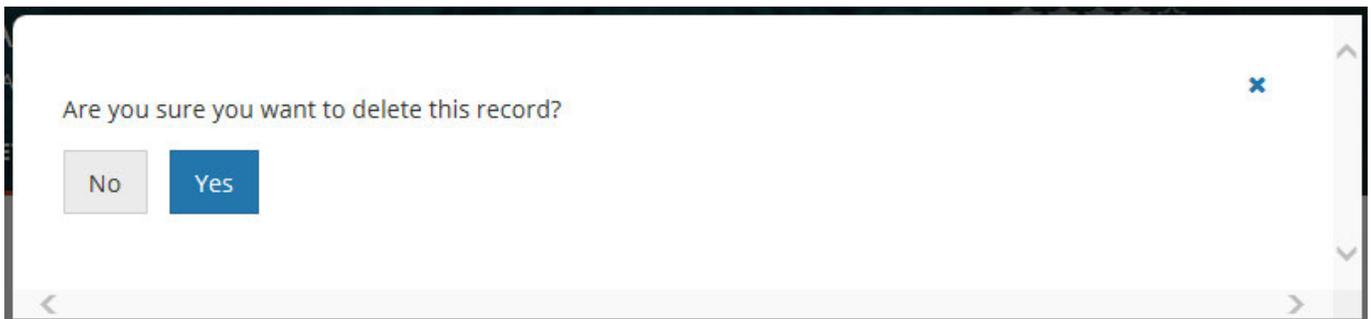
## Delete a collection record in the CMR for my provider

1. Find the collection record using the instructions above (Find and View Collections in the CMR), and click on the Short Name of the collection to view the collection record page.
2. At the top of the collection record page, click on 'Delete Collection Record'



[Edit Collection Record](#) | [Clone Collection Record](#) | [Download XML](#) | [Delete Collection Record](#)  
[Revisions \(10\)](#) | [Granules \(0\)](#) | [Save as Template](#)

3. You will see a pop-up message asking you to confirm the record deletion.



4. Click on Yes to delete the record. The MMT will then display a 'Collection Deleted Successfully!' message, as well as the revision history for the deleted record.

The CMR will create a final revision for the deleted record, which is called a tombstone.

Collection Deleted Successfully! 

## Revision History

Description	Revision Date	Action by	Actions
21 - Deleted	2017-11-03T19:36:57Z	kathleen_carr	
20 - Revision <a href="#">View</a>	2017-10-25T15:35:27Z	rabbott	<a href="#">Reinstate</a>
19 - Revision <a href="#">View</a>	2017-10-03T21:56:35Z	rabbott	<a href="#">Reinstate</a>
18 - Revision <a href="#">View</a>	2017-10-03T15:50:47Z	rabbott	<a href="#">Reinstate</a>
16 - Revision <a href="#">View</a>	2017-09-26T18:34:37Z	kathleen_carr	<a href="#">Reinstate</a>
15 - Revision <a href="#">View</a>	2017-09-26T18:26:04Z	kathleen_carr	<a href="#">Reinstate</a>
14 - Revision <a href="#">View</a>	2017-09-26T18:22:41Z	kathleen_carr	<a href="#">Reinstate</a>
13 - Revision <a href="#">View</a>	2017-09-07T21:36:22Z	kathleen_carr	<a href="#">Reinstate</a>
12 - Revision <a href="#">View</a>	2017-08-31T22:28:51Z	kathleen_carr	<a href="#">Reinstate</a>
11 - Revision <a href="#">View</a>	2017-08-31T21:28:54Z	kathleen_carr	<a href="#">Reinstate</a>

5. NOTE that you can immediately restore the deleted record from one of the revisions on this Revision History table by clicking on 'Reinstate', but once you have moved to a new page on the MMT, you will no longer be able to find the deleted record to restore it.

If you restore the record from this table, you will see a new revision history, showing the deletion as one of the revisions:

Revision Created Successfully! 

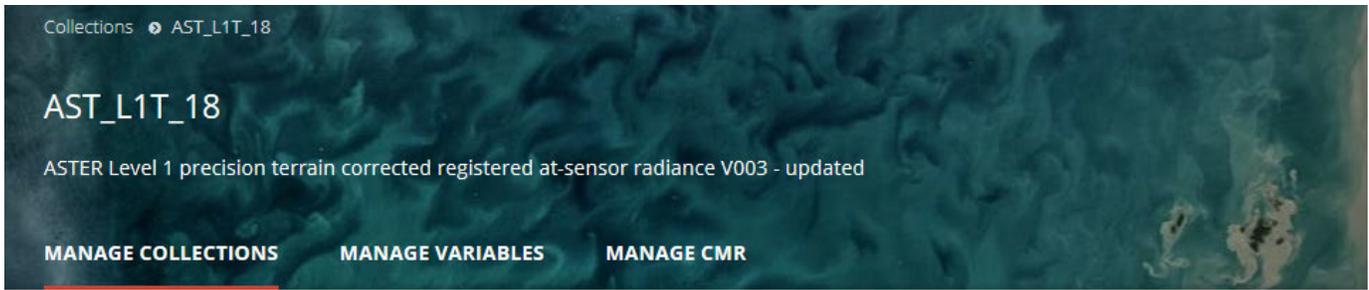
## Revision History

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21 - Deleted	2017-11-03T19:36:57Z	kathleen_carr	
20 - Revision <a href="#">View</a>	2017-10-25T15:35:27Z	rabbott	<a href="#">Revert to this Revision</a>
19 - Revision <a href="#">View</a>	2017-10-03T21:56:35Z	rabbott	<a href="#">Revert to this Revision</a>
16 - Revision <a href="#">View</a>	2017-09-26T18:34:37Z	kathleen_carr	<a href="#">Revert to this Revision</a>
15 - Revision <a href="#">View</a>	2017-09-26T18:26:04Z	kathleen_carr	<a href="#">Revert to this Revision</a>
14 - Revision <a href="#">View</a>	2017-09-26T18:22:41Z	kathleen_carr	<a href="#">Revert to this Revision</a>
13 - Revision <a href="#">View</a>	2017-09-07T21:36:22Z	kathleen_carr	<a href="#">Revert to this Revision</a>
12 - Revision <a href="#">View</a>	2017-08-31T22:28:51Z	kathleen_carr	<a href="#">Revert to this Revision</a>
11 - Revision <a href="#">View</a>	2017-08-31T21:28:54Z	kathleen_carr	<a href="#">Revert to this Revision</a>

## Revert to a previous revision of a collection record in the CMR for my provider

1. Find the collection record using the instructions above (Find and View Collections in the CMR), and click on the Short Name of the collection to view the collection record page.

2. At the top of the collection record page, click on 'Revisions (<number of revisions>')



[Edit Collection Record](#) | [Clone Collection Record](#) | [Download XML](#) | [Delete Collection Record](#)

[Revisions \(10\)](#) | [Granules \(0\)](#) | [Save as Template](#)

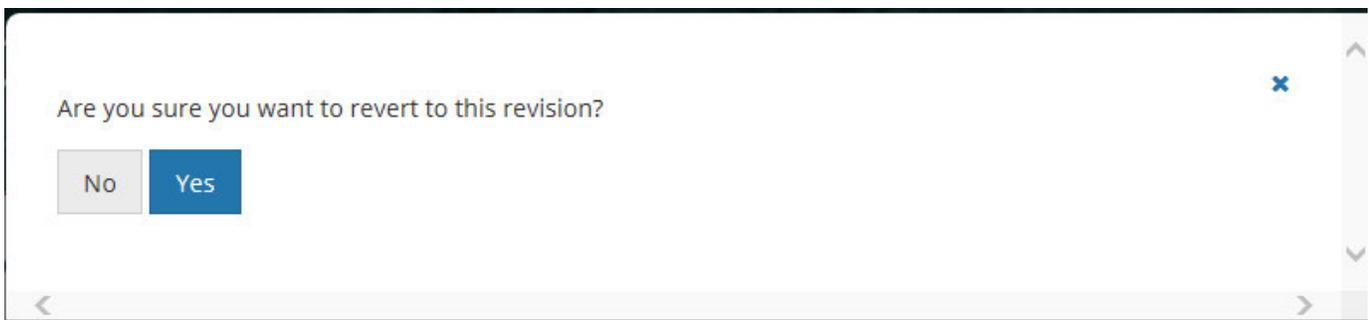
3. A table of the (up to) 10 most recent revisions of the collection record will be displayed.

## Revision History

Description	Revision Date	Action by	Actions
22 - Published <a href="#">View</a>	2017-11-03T19:38:18Z	kathleen_carr	
21 - Deleted	2017-11-03T19:36:57Z	kathleen_carr	
20 - Revision <a href="#">View</a>	2017-10-25T15:35:27Z	rabbott	<a href="#">Revert to this Revision</a>
19 - Revision <a href="#">View</a>	2017-10-03T21:56:35Z	rabbott	<a href="#">Revert to this Revision</a>
16 - Revision <a href="#">View</a>	2017-09-26T18:34:37Z	kathleen_carr	<a href="#">Revert to this Revision</a>
15 - Revision <a href="#">View</a>	2017-09-26T18:26:04Z	kathleen_carr	<a href="#">Revert to this Revision</a>
14 - Revision <a href="#">View</a>	2017-09-26T18:22:41Z	kathleen_carr	<a href="#">Revert to this Revision</a>
13 - Revision <a href="#">View</a>	2017-09-07T21:36:22Z	kathleen_carr	<a href="#">Revert to this Revision</a>
12 - Revision <a href="#">View</a>	2017-08-31T22:28:51Z	kathleen_carr	<a href="#">Revert to this Revision</a>
11 - Revision <a href="#">View</a>	2017-08-31T21:28:54Z	kathleen_carr	<a href="#">Revert to this Revision</a>

4. You may View previous revisions of the record by clicking on the 'View' link next to the Revision Description. After you determine which revision you want to revert to, click on 'Revert to this Revision' in the Actions column for that revision.

You will see a pop-up message asking you to confirm the action:



5. Click on Yes to revert to the selected previous revision of the record. The MMT will then display a 'Revision Created Successfully!' message,

as well as the new revision history for the record.

If there were  $n$  revisions before you reverted to a previous revision, there will now be  $n+1$  revisions, and the  $n+1$ st revision will be identical to the previous revision to which you reverted.

## Bulk Update of Collection Metadata

### Overview

1. The MMT allows metadata providers to update multiple collection records for their provider at once, using Bulk Update functionality.
2. When Bulk Update changes are applied to a collection record, the updated record is stored in the CMR in UMM-JSON format (which may or may not be the original native format of the record).
3. When Bulk Update changes are applied to a collection record, a new revision of the record is stored in the CMR. The Last Revision date of the record is updated in the collection metadata, and the update date of the record in the CMR database is also updated. These updates occur for all records in the Bulk Update set, regardless of whether the update was actually applied to that record.
4. Bulk Update changes are supported for five Collection metadata fields, all of which have controlled vocabularies managed in the KMS: Science Keywords, Location Keywords, Platform, Instrument, and Data Center.
  - a. For the two hierarchical keyword fields (Science Keywords, Location Keywords), four update types are supported: Add to Existing, Clear All and Replace, Find and Remove, and Find and Replace.
  - b. For the other three metadata groups (Platform, Instrument, and Data Center), two update types are supported: Find and Remove, and Find and Update.
5. 'Add to Existing' adds a new occurrence of a Science or Location keyword value selected from the KMS to all records in the Bulk Update set.
6. 'Clear All and Replace' removes all Science or Location keywords from all records in the Bulk Update set, and replaces them with a new Science or Location keyword selected from the KMS.
7. 'Find & Remove'
  - a. For Platforms: finds all records in the Bulk Update set that have a platform shortname of <value keyed in by user>, and removes all platform metadata for the platform instance where Platform shortname = <value keyed in by user>, including the removal of all instruments and child instruments associated with the platform. Any other platform instances in the records remain as-is.
  - b. For Instruments: finds all records in the selected record set that have an instrument shortname of <value keyed in by user>, and removes all instrument metadata for each instrument instance where Instrument shortname = <value keyed in by user>. If the Instrument is associated with multiple platforms in a single collection, the instrument metadata will be removed from each associated platform. Any other Instrument instances in the records remain as-is.
  - c. For Data Centers: finds all records in the selected record set that have a Data Center shortname of <value keyed in by user>, and removes all Data Center metadata for each Data Center instance where Data Center shortname = <value keyed in by user>. Any other Data Center instances in the records remain as-is.
  - d. For Science Keywords and Location Keywords: finds all records in the Bulk Update set that have a Science or Location Keyword value of <value keyed in by user>, and removes that keyword value from each record.
8. 'Find & Replace'
  - a. For Science Keywords and Location Keywords: finds all records in the Bulk Update set that have a Science or Location Keyword value of <value keyed in by user>, removes that keyword value from each record, and replaces it with a new Science or Location keyword selected from the KMS.
  - b. If the user enters blank > b > c > d > e for the 'Find Values to Replace', all Science/Location keywords with \* > b > c > d > e will be replaced by the new Science/Location Keyword.  
If the user enters a > b > c > d > e for the 'Find Values to Replace', all Science/Location keywords with a>b>c>d>e will be replaced, but a>b>c>d will not be replaced.  
If the user enters a>b>c for the 'Find Values to Replace', all Science/Location keywords with a>b>c or a>b>c>\* will be replaced
9. 'Find & Update'
  - a. For Platforms: finds all records in the Bulk Update set that have a platform shortname of <value keyed in by user>, and replaces the Shortname for that platform instance with a Shortname selected from the KMS. The platform Longname and Platform Type will also be replaced with the associated Longname and Platform Type from the KMS.
  - b. For Instruments: finds all records in the selected record set that have an instrument shortname of <value keyed in by user>, and replaces the Shortname for that instrument instance with a Shortname selected from the KMS. The instrument Longname will also be replaced with the associated Longname from the KMS.
  - c. For Data Centers: finds all records in the selected record set that have an Data Center shortname of <value keyed in by user>, and replaces the Shortname for that Data Center instance with a Shortname selected from the KMS. The Data Center Longname and Home Page URL will also be replaced with the associated Longname and Home Page URL from the KMS.

### Initiate a Bulk Update operation, and select the records to update

1. On the Manage Collections dashboard, in the Bulk Updates panel on the right, click on 'Initiate a Bulk Update'.

## MMT\_1 Bulk Updates

241 | [Add To Existing Science Keywords](#)

**STATUS:** Complete | **CREATED:** 2017-08-14

242 | [Add To Existing Science Keywords](#)

**STATUS:** Complete | **CREATED:** 2017-08-14

243 | [Add To Existing Science Keywords](#)

**STATUS:** Complete | **CREATED:** 2017-08-14

244 | [Find And Replace Science Keywords](#)

**STATUS:** Complete | **CREATED:** 2017-08-14

261 | [Add To Existing Science Keywords](#)

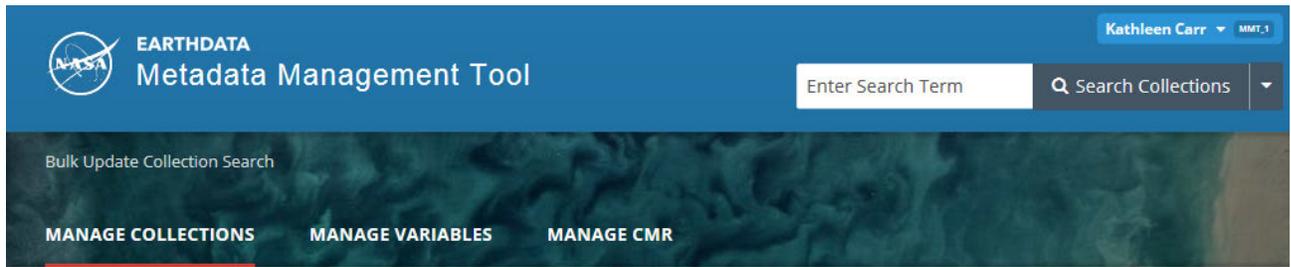
**STATUS:** Complete | **CREATED:** 2017-08-25

[More](#)

---

[Initiate a Bulk Update](#)

2. Search for the records you would like to update by choosing a Search Field and Search Term.



### MMT\_1 Bulk Update Collection Search

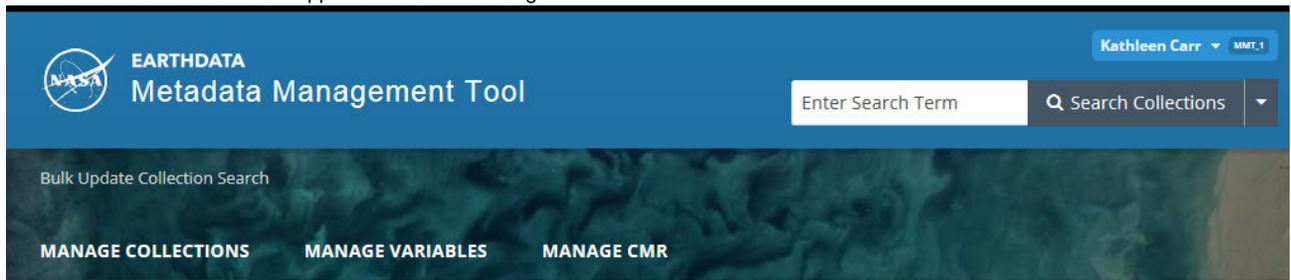
**Search Field**  
Collection Data Type

**Search Term**  
Near Real Time

+

Submit

3. Note that some Search Fields support wildcard searching.



### MMT\_1 Bulk Update Collection Search

**Search Field**  
Short Name

**Search Term**  
MOD\*

+

Submit

This field supports wildcard searches. Use an asterisk (\*) to find collections that match zero or more characters at the beginning, middle or end of your term.

4. Use the '+' to further filter your search results by entering additional Search Field / Search Term combinations. All search criteria entered will be ANDed together.

## MMT\_1 Bulk Update Collection Search

<p><b>Search Field</b></p> <div style="border: 1px solid #ccc; padding: 2px;">Short Name <span style="float: right;">▼</span></div> <p style="font-size: small;">This field supports wildcard searches. Use an asterisk (*) to find collections that match zero or more characters at the beginning, middle or end of your term.</p>	<p><b>Search Term</b></p> <div style="border: 1px solid #ccc; padding: 2px;">AST* <span style="float: right; color: red; font-weight: bold;">-</span></div>
<p><b>Search Field</b></p> <div style="border: 1px solid #ccc; padding: 2px;">Processing Level ID <span style="float: right;">▼</span></div> <p style="font-size: small;">This field supports wildcard searches. Use an asterisk (*) to find collections that match zero or more characters at the beginning, middle or end of your term.</p>	<p><b>Search Term</b></p> <div style="border: 1px solid #ccc; padding: 2px;">1* <span style="float: right; color: red; font-weight: bold;">-</span> <span style="float: right; color: gray; font-weight: bold;">+</span></div>

5. Use the '-' to remove search criteria.
6. When you have entered all of your collection search criteria, click on 'Submit' to find the records for the bulk update.
7. A list of collections that satisfy your search criteria will be returned. Click on the checkbox beside each collection you want to select for bulk update, or click on the checkbox at the top of the table to choose all collections in the table.



Bulk Update Collection Search

MANAGE COLLECTIONS

MANAGE VARIABLES

MANAGE CMR

## MMT\_1 Bulk Update Collection Search

**Search Field**

Short Name ▼

This field supports wildcard searches. Use an asterisk (\*) to find collections that match zero or more characters at the beginning, middle or end of your term.

**Search Term**

AST\* -

**Search Field**

Processing Level ID ▼

This field supports wildcard searches. Use an asterisk (\*) to find collections that match zero or more characters at the beginning, middle or end of your term.

**Search Term**

1\* - +

Submit

Showing all 3 Collections

<input type="checkbox"/>	Collection	Short Name	Version
<input type="checkbox"/>	ASTER L1A Expedited <a href="#">🔗</a>	AST_L1AE	003
<input type="checkbox"/>	ASTER Level 1 precision terrain corrected registered at-sensor radiance V003 - updated <a href="#">🔗</a>	AST_L1T	18
<input type="checkbox"/>	ASTER Level 1A <a href="#">🔗</a>	AST_L1A	1

Next

### Select 'Field to Update' and 'Update Type'

- After selecting your records to bulk update, select the Field to Update from the drop down list, and then select the Update Type from the drop down list. The choices for Update Type will depend upon the Field to Update that you selected.

Bulk Update changes are supported for five Collection metadata fields, all of which have controlled vocabularies managed in the KMS: Science Keywords, Location Keywords, Platform, Instrument, and Data Center.

For the two hierarchical keyword fields (Science Keywords, Location Keywords), four update types are supported: Add to Existing, Clear All and Replace, Find and Remove, and Find and Replace.

For the other three metadata groups (Platform, Instrument, and Data Center), two update types are supported: Find and Remove, and Find and Update.



## New MMT\_1 Bulk Update

**Field to Update**

Science Keywords

## Science Keywords

**Update Type**

Add to Existing

Enter the current value of the Field to Update (for 'Find & ...' Update Types), and select the new value from the controlled vocabulary (for Find & Replace, Find & Update, Add to Existing, Clear All & Replace).

1. For update types of Find & Remove, Find & Update, and Find & Replace, enter the current (incorrect) value that you want to remove/update/replace. For example:

## New MMT\_1 Bulk Update

**Field to Update**

Science Keywords

## Science Keywords

**Update Type**

Find & Remove

**Find Values to Remove**

Use the following fields to find the value that you'd like to remove from your selected collections.

**Category**

**Topic**

**Term**

**Variable Levels**

**Level 1**

**Level 2**

**Level 3**

**Detailed Variable**

or

## New MMT\_1 Bulk Update

**Field to Update**  
Data Centers

## Data Centers

**Update Type**  
Find & Update

### Find Values to Update

Use the following fields to find the values that you'd like to update with the value provided below.

**Short Name**

2. Select the new value for the Field to Update from the controlled vocabulary (for Find & Replace, Find & Update, Add to Existing, and Clear All & Replace). For example:

## New Value

The value found using the above fields will be replaced with the value you provide here.

Science Keyword

Search for keywords...

EARTH SCIENCE

✓ Select Keyword

or

## New Value

The value found using the above fields will be updated with the value you provide here.

### Short Name

### Long Name

## Preview your Bulk Update, and submit it.

1. Click on the Preview button.
2. The MMT will display a page showing the bulk update parameters you have chosen. For example,

## Preview of New MMT\_1 Bulk Update

### Bulk Update Operation

#### Field to Update

Data Centers

#### Update Type

Find And Update

#### Find Values to Update

Use the following fields to find the values that you'd like to update with the value provided below.

**Short Name:** LPDAAC

#### New Value

The value found using the above fields will be updated with the value you provide here.

**Short Name:** LP DAAC

**Long Name:** Land Processes Distributed Active Archive Center

#### 3 Selected Collections

Collection	Short Name	Version
<a href="#">ASTER L1A Expedited</a>	AST_L1AE	003
<a href="#">ASTER Level 1 precision terrain corrected registered at-sensor radiance V003 - updated</a>	AST_L1T	18
<a href="#">ASTER Level 1A</a>	AST_L1A	1

Submit

3. Click on Submit to submit your bulk update operation.

## View the Bulk Update results

The MMT will display the results of your bulk update operation on a status page. You may have to refresh the page until the Status of the operation is Complete.

The status of each collection in the bulk update operation will be shown in a table at the bottom of the page.

#### NOTES:

- a. If the Find value was not present in a collection record in the operation, no bulk update will occur, but the collection status will be COMPLETE.
- b. For each COMPLETE record in the Bulk Update operation (regardless of whether the record was actually updated), a new revision of the

record will be created in the CMR, the Last Update date of the record will be updated in the collection metadata, and the Last Update date in the CMR database will also be updated.

## Bulk Update 541

Status	Field to Update	Update Type
Complete	Data Centers	Find And Update

### Created

2017-11-09 21:57

### Notes

All collection updates completed successfully.

### Find Values to Update

Use the following fields to find the values that you'd like to update with the value provided below.

**Short Name:** LPDAAC

### New Value

The value found using the above fields will be updated with the value you provide here.

**Short Name:** LP DAAC

**Long Name:** Land Processes Distributed Active Archive Center

### Collection Statuses

Collection ^	Status ⇅	Message
<a href="#">ASTER L1A Expedited</a>	COMPLETE	Collection was updated successfully, but translating the collection to UMM-C had the following issues: [:CollectionCitations 0 :OnlineResource :Linkage] [www.nasa.gov] is not a valid URL; [:RelatedUrls 0 :URL] [nasa.gov] is not a valid URL; [:RelatedUrls 1 :URL] [www.nasa.gov] is not a valid URL
<a href="#">ASTER Level 1 precision terrain corrected registered at-sensor radiance V003 - updated</a>	COMPLETE	Collection was updated successfully, but translating the collection to UMM-C had the following issues: [:RelatedUrls 0 :URL] [h] is not a valid URL

## View previous Bulk Update operations

1. On the Manage Collections dashboard, in the Bulk Updates panel on the right, there is a list of previous Bulk Update operations for your provider, each with a numeric identifier.
2. Click on the highlighted Bulk Update summary (e.g., 'Add to Existing Science Keywords') to see the status page for that Bulk Update operation.

## MMT\_1 Bulk Updates

241 | [Add To Existing Science Keywords](#)

**STATUS:** Complete | **CREATED:** 2017-08-14

242 | [Add To Existing Science Keywords](#)

**STATUS:** Complete | **CREATED:** 2017-08-14

243 | [Add To Existing Science Keywords](#)

**STATUS:** Complete | **CREATED:** 2017-08-14

244 | [Find And Replace Science Keywords](#)

**STATUS:** Complete | **CREATED:** 2017-08-14

261 | [Add To Existing Science Keywords](#)

**STATUS:** Complete | **CREATED:** 2017-08-25

[More](#)

---

[Initiate a Bulk Update](#)

3. If there are more Bulk Update operations than will fit on this panel, click on the 'More' link to see a table of all Bulk Updates for your provider.

NOTE: The CMR removes Bulk Update operations from its database after 90 days.

# MMT\_1 Bulk Updates

Initiate a Bulk Update

Showing Bulk Updates 1 - 25 of 52

Task ID	Operation	Status	Message	Created
241	Add To Existing Science Keywords	COMPLETE	All collection updates completed successfully.	2017-08-14 18:41
242	Add To Existing Science Keywords	COMPLETE	Task completed with 1 collection update failures out of 3	2017-08-14 18:43
243	Add To Existing Science Keywords	COMPLETE	Task completed with 1 collection update failures out of 3	2017-08-14 18:44
244	Find And Replace Science Keywords	COMPLETE	Task completed with 2 collection update failures out of 3	2017-08-14 20:34
261	Add To Existing Science Keywords	COMPLETE	Task completed with 2 collection update failures out of 4	2017-08-25 21:33
281	Add To Existing Science Keywords	COMPLETE	All collection updates completed successfully.	2017-08-29 20:53
301	Add To Existing Science Keywords	COMPLETE	Task completed with 5 collection update failures out of 35	2017-10-03 21:56
321	Find And Update Data Centers	COMPLETE	All collection updates completed successfully.	2017-10-06 20:24
322	Find And Update Data Centers	COMPLETE	All collection updates completed successfully.	2017-10-06 21:00

## Manage Variable Metadata for my provider

### Required Permissions

To create, update, or delete variable metadata records in the CMR, or to associate / disassociate variables with collections, your login user id must be a member of a group with Provider Object Permissions which include Ingest Operations Read and Update.

See your provider Administrator if you are not sure whether your user id has the correct permissions for these operations. The provider Administrator should refer to the "Manage 'Provider Object Permissions' for a user group" section below to assign these permissions.

### Create a variable record in the CMR for my provider

1. On the 'Manage Variables' dashboard,



click on 'Create New Record'. A draft variable record will be created.

## Create Variable Record

Create New Record

**OR** use the [search](#) in the top right corner to find a published variables to clone or edit.

2. Begin filling in metadata fields for your draft variable record. Use the information icons (blue 'i') to get information about what fields mean and how to format their values.

Variable Drafts New

## Variable Information

MANAGE COLLECTIONS    **MANAGE VARIABLES**    MANAGE CMR

Previous    Save & Jump To: Variable Information    Next    Save    **Done**    Cancel

ⓘ Indicates required field

### Variable Information

ⓘ Name    ⓘ Definition

Example Variable    Definition of the example variable

64 Characters Remaining    126 Characters Remaining

ⓘ Long Name

Long name of the example variable

991 Characters Remaining

Variable Type    Units    ⓘ Data Type

SCIENCE\_VARIABLE    MB    float

18 Characters Remaining

ⓘ Scale    ⓘ Offset

1.0    0.0

3. Navigate from form to form using the Previous or Next buttons, or by choosing the next form to edit from the pull-down list at 'Save & Jump To:'. You may work on forms in any order. When you move from one form to another, your input from the previous form will be saved in your draft record.

Previous    Save & Jump To: Variable Information    Next

4. Explicitly Save form input (within a session or at the end of a session) with the 'Save' button; Finish editing your draft record using the 'Done' button.

Save    **Done**    Cancel

*Last saved 2017-04-25 10:39 EDT*

NOTE: When you are working with a draft variable record, all 'Save' and 'Done' operations update the draft record in the MMT database, not in the CMR, i.e., DRAFT records are not stored in the CMR. Your draft variable record will not be ingested into the CMR until you click on the 'Publish Variable Draft' button in step 7 below.

5. Follow progress of your draft record on the progress panel:

## Metadata Fields



Variable Information



Fill Values



Dimensions



Variable Characteristics



Science Keywords



Sets

The icons on the progress panel have the following meanings:

-  Required but not complete
-  Required and complete
-  Optional and not complete
-  Optional and complete
-  Does not pass validation

6. View a HTML rendering of your collection record on the 'preview panel':

## Variable Information

**Name**

Example Variable

**Definition**

Definition of the example variable

**Long Name**

Long name of the example variable

**Variable Type**

SCIENCE\_VARIABLE

**Units**

MB

**Data Type**

float

**Scale**

1.0

**Offset**

0.0

**Valid Ranges**

No value for Valid Ranges provided.

## Fill Values

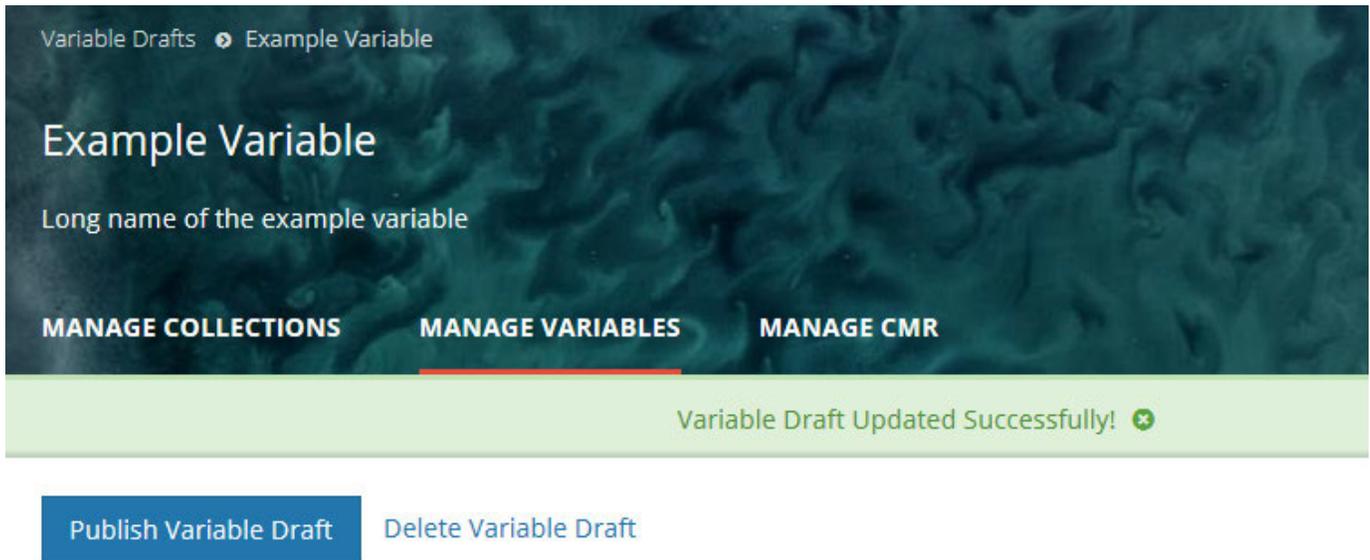
**Fill Values**

No value for Fill Values provided.

## Dimensions

7. When all Required fields are complete with no validation errors (red icon) showing on the progress panel, you are ready to Publish your record to the CMR.

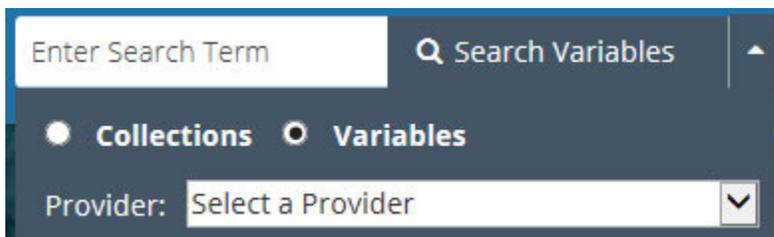
Click on the 'Publish Variable Draft' button above the Progress Panel on the draft record page:



8. You will see a green banner indicating that your variable record has been successfully published to the CMR. You will also receive an email stating that your record has been published, and providing the 'concept id' (CMR identifier) for the published record. You may use that concept id to search for your record on the MMT.

## Find and view variable records in the CMR

Use the 'Search Variables' interface in the upper right corner of the MMT banner:



## Find records based on a keyword

Enter a search term (a Variable Name, Variable Long Name, a CMR concept id, or a science keyword) in the white 'Enter Search Term' box, and click on 'Search Variables'.

A table of CMR variable records which match the search term will be presented (sorted by Name).

10 Variable Results

Showing all 10 variables

Name ↕	Long Name ↕	Provider ↕	Last Modified ↕
12202837434Variable_Nam...	Retrieved AOT at 0.47, 0.55,0.66 micron_CMR-4384	MMT_1	2017-09-06
122035834Variable_Name_...	Retrieved AOT at 0.47, 0.55,0.66 micron_CMR-4384	MMT_1	2017-09-06
1222342534Variable_Name_...	Retrieved AOT at 0.47, 0.55,0.66 micron_CMR-4384	MMT_2	2017-09-06
12233334Variable_Name_C...	Retrieved AOT at 0.47, 0.55,0.66 micron_CMR-4384	MMT_2	2017-09-06
122334Variable_Name_CMR...	Retrieved AOT at 0.47, 0.55,0.66 micron_CMR-4384	MMT_2	2017-09-06
ANS_LIF	Volume mixing ratio of sum of akylnitrates in air	MMT_1	2017-09-06
Corrected_Optical_Depth_La...	Retrieved AOT at 0.47, 0.55,0.66 micron 1	DEMO_PROV	2017-09-05
NO2_LIF	Volume Mixing Ratio of Nitrogen Dioxide in Air	MMT_1	2017-09-08
Surface_Reflectance_Land	Estimated Surface Reflectance at 0.47,0.66 and 2.13micron	MMT_1	2017-09-06
totClidH2OStd	Total Cloud Water Standard Pressure Layer	MMT_1	2017-09-08

To view an html representation of the metadata for any variable in the search results table, click on the Name of the variable.

Find all variable records for a provider

Select a provider from the 'Select a Provider' drop-down list, and then click on 'Search Variables'.

A table of all CMR variable records for the selected provider will be presented (sorted by Name).



6 Variable Results for: Provider Id: MMT\_1

Showing all 6 variables

Name ↕	Long Name ↕	Provider ↕	Last Modified ↕
<a href="#">12202837434Variable_Nam...</a>	Retrieved AOT at 0.47, 0.55,0.66 micron_CM-4384	MMT_1	2017-09-06
<a href="#">122035834Variable_Name_...</a>	Retrieved AOT at 0.47, 0.55,0.66 micron_CM-4384	MMT_1	2017-09-06
<a href="#">ANs_LIF</a>	Volume mixing ratio of sum of akylnitrates in air	MMT_1	2017-09-06
<a href="#">NO2_LIF</a>	Volume Mixing Ratio of Nitrogen Dioxide in Air	MMT_1	2017-09-08
<a href="#">Surface_Reflectance_Land</a>	Estimated Surface Reflectance at 0.47,0.66 and 2.13micron	MMT_1	2017-09-06
<a href="#">totCldH2OStd</a>	Total Cloud Water Standard Pressure Layer	MMT_1	2017-09-08

To view an html representation of the metadata for any variable record in the search results table, click on the Name of the variable in the search results table.

## Update a variable record in the CMR for my provider

1. Find the variable record using the instructions above (Find and view variable records in the CMR), and click on the Name of the variable in the search results table to view the variable display page.
2. At the top of the variable display page, click on 'Edit Variable Record'



[Edit Variable Record](#) | [Clone Variable Record](#) | [Download JSON](#) | [Delete Variable Record](#) | [Manage Collection Associations](#)

[Revisions \(10\)](#)

3. A new draft of this record will be created in the MMT database. The MMT will display the progress panel (and html representation) for the draft record.



### Metadata Fields ?

<input checked="" type="checkbox"/> Variable Information <input type="checkbox"/> <input type="checkbox"/>	<input checked="" type="checkbox"/> Fill Values <input type="checkbox"/>	<input checked="" type="checkbox"/> Dimensions <input type="checkbox"/>
<input checked="" type="checkbox"/> Variable Characteristics <input type="checkbox"/> <input type="checkbox"/>	<input checked="" type="checkbox"/> Science Keywords <input type="checkbox"/>	<input checked="" type="checkbox"/> Sets <input type="checkbox"/>

### Variable Information ?

? **Name**  
 ANs\_LIF

- On the progress panel, click on any section to begin editing the draft record. Use the progress panel and navigation buttons described above (Create a variable record in the CMR for my provider) to update the metadata in the draft record.
- When you have finished editing the draft record, publish it to the CMR by clicking on the 'Publish Variable Draft' button above the progress panel. This will create a new revision of the variable record in the CMR. The CMR stores up to 10 revisions of each variable record. When an 11th revision is created, the first revision is deleted, and so on. Each revision of a variable record has the same concept id as the original variable record.

## Clone and edit a variable record in the CMR for my provider

- Find the variable record using the instructions above (Find and View Variables in the CMR), and click on the Name of the variable to view the variable page.
- At the top of the variable page, click on 'Clone Variable Record'



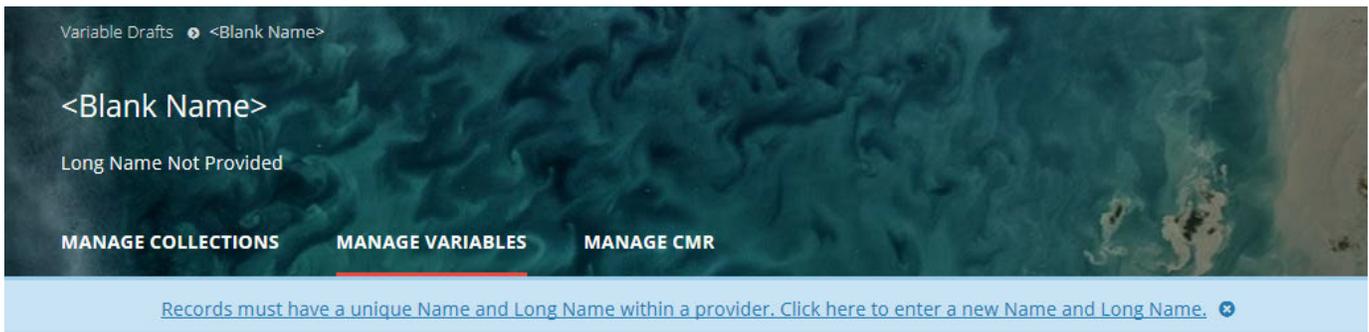
[Edit Variable Record](#) | [Clone Variable Record](#) | [Download JSON](#) | [Delete Variable Record](#) | [Manage Collection Associations](#)

[Revisions \(10\)](#)

3. A draft of a clone of this record will be created in the MMT database. The MMT will display the progress panel (and html representation) for the draft record (the clone).

Since variable Names must be unique within a provider, the clone is initiated with a blank Name. The Entry Title of the clone will be initialized to '<entry title of the original record' - Cloned'. You may edit the record to change the default entry title of the clone.

NOTE: A prompt to enter a new Name and Long Name for the clone appears in the blue bar, and the progress panel indicates that the Name and Long Name have not yet been filled in.



[Publish Variable Draft](#)

[Delete Variable Draft](#)

### Metadata Fields +



Variable Information



Fill Values



Dimensions



Variable Characteristics



Science Keywords



Sets

### Variable Information ⌵

**Name**

No value for Name provided.

4. On the progress panel, click on any section to begin editing the draft record (the clone). You must enter a new Name and Long Name for the clone. Use the progress panel and navigation buttons described above (Create a variable record in the CMR for my provider) to update the metadata in the draft record.

5. When you have finished editing the draft record (the clone), publish it to the CMR by clicking on the Publish Variable Draft button above the progress panel. The clone will be stored as a new collection record in the CMR, with a different concept id from the original record.

## Download JSON for a variable record in the CMR

1. Find the variable record using the instructions above (Find and View Variables in the CMR), and click on the Name of the variable to view the variable page.
2. At the top of the variable page, click on 'Download JSON'



[Edit Variable Record](#) | [Clone Variable Record](#) | [Download JSON](#) | [Delete Variable Record](#) | [Manage Collection Associations](#)

[Revisions \(10\)](#)

3. Your browser and local machine will now prompt you through the download process, and a JSON version of the variable record will be downloaded to your local machine.

## Delete a variable record in the CMR for my provider

1. Find the variable record using the instructions above (Find and View Variables in the CMR), and click on the Name of the variable to view the variable page.
2. At the top of the variable page, click on 'Delete Variable Record'



[Edit Variable Record](#) | [Clone Variable Record](#) | [Download JSON](#) | [Delete Variable Record](#) | [Manage Collection Associations](#)

[Revisions \(10\)](#)

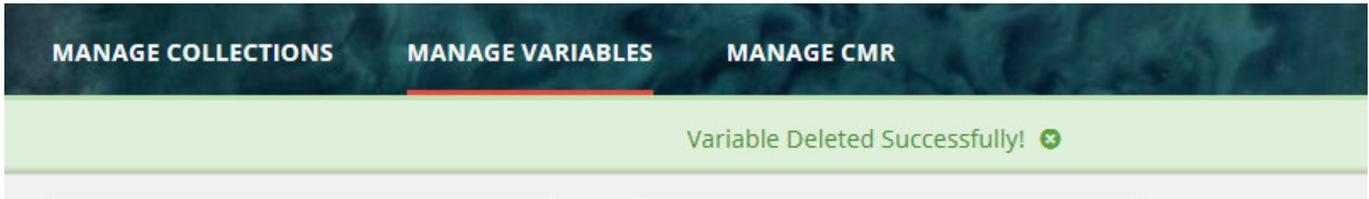
3. You will see a pop-up message asking you to confirm the variable record deletion.

Are you sure you want to delete this variable record? ✕

No

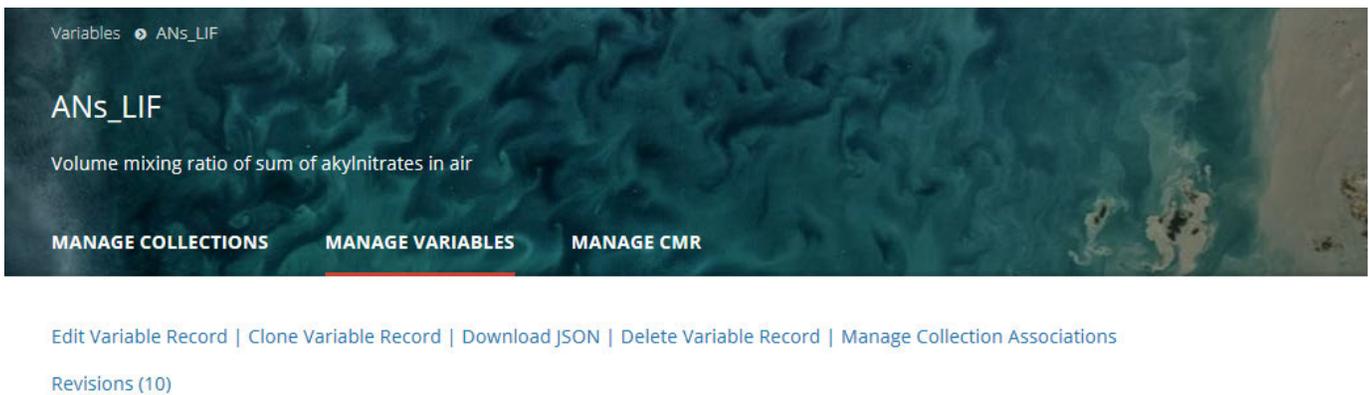
Yes

4. Click on Yes to delete the variable record. The MMT will then display a 'Variable Deleted Successfully!' message.



## Revert to a previous revision of a variable record in the CMR for my provider

1. Find the variable record using the instructions above (Find and View Variables in the CMR), and click on the Name of the variable to view the variable page.
2. At the top of the variable page, click on 'Revisions (<number of revisions>')



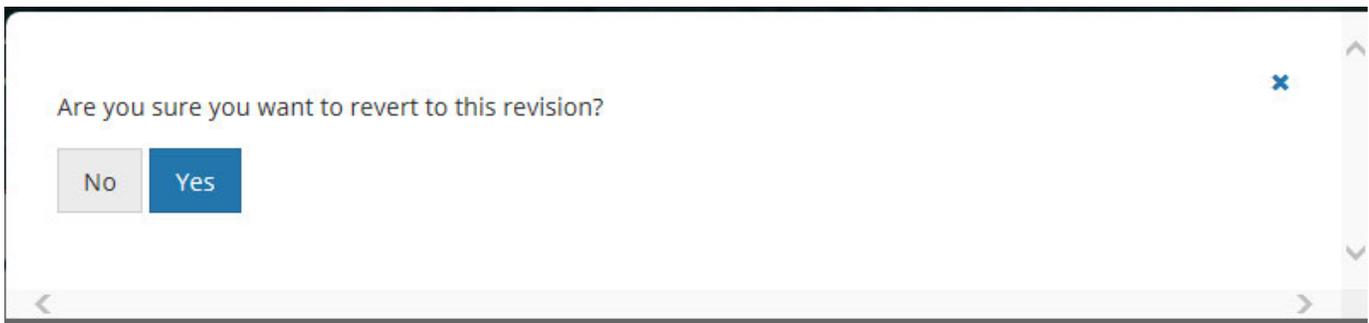
3. A table of the (up to) 10 most recent revisions of the variable record will be displayed.

## Revision History

Description	Revision Date	Action by	Actions
27 - Published <a href="#">View</a>	2017-10-03T20:27:29Z	kathleen_carr	
26 - Revision <a href="#">View</a>	2017-10-03T20:25:12Z	kathleen_carr	<a href="#">Revert to this Revision</a>
25 - Revision <a href="#">View</a>	2017-10-03T20:17:43Z	kathleen_carr	<a href="#">Revert to this Revision</a>
24 - Revision <a href="#">View</a>	2017-10-03T18:43:52Z	kathleen_carr	<a href="#">Revert to this Revision</a>
23 - Revision <a href="#">View</a>	2017-10-03T18:41:49Z	kathleen_carr	<a href="#">Revert to this Revision</a>
22 - Revision <a href="#">View</a>	2017-09-29T18:00:23Z	kathleen_carr	<a href="#">Revert to this Revision</a>
21 - Revision <a href="#">View</a>	2017-09-29T17:58:56Z	kathleen_carr	<a href="#">Revert to this Revision</a>
20 - Revision <a href="#">View</a>	2017-09-29T17:57:34Z	kathleen_carr	<a href="#">Revert to this Revision</a>
19 - Revision <a href="#">View</a>	2017-09-29T17:48:29Z	kathleen_carr	<a href="#">Revert to this Revision</a>
18 - Revision <a href="#">View</a>	2017-09-29T17:02:01Z	kathleen_carr	<a href="#">Revert to this Revision</a>

4. You may View previous revisions of the record by clicking on the 'View' link next to the Revision Description. After you determine which revision you want to revert to, click on 'Revert to this Revision' in the Actions column for that revision.

You will see a pop-up message asking you to confirm the action:



5. Click on Yes to revert to the selected previous revision of the record. The MMT will then display a 'Revision Created Successfully!' message, as well as the new revision history for the record.

If there were  $n$  revisions before you reverted to a previous revision, there will now be  $n+1$  revisions, and the  $n+1$ st revision will be identical to the previous revision to which you reverted.

## Revision History

Description	Revision Date	Action by	Actions
28 - Published <a href="#">View</a>	2017-11-03T19:29:25Z	kathleen_carr	
27 - Revision <a href="#">View</a>	2017-10-03T20:27:29Z	kathleen_carr	<a href="#">Revert to this Revision</a>
26 - Revision <a href="#">View</a>	2017-10-03T20:25:12Z	kathleen_carr	<a href="#">Revert to this Revision</a>
25 - Revision <a href="#">View</a>	2017-10-03T20:17:43Z	kathleen_carr	<a href="#">Revert to this Revision</a>
24 - Revision <a href="#">View</a>	2017-10-03T18:43:52Z	kathleen_carr	<a href="#">Revert to this Revision</a>
23 - Revision <a href="#">View</a>	2017-10-03T18:41:49Z	kathleen_carr	<a href="#">Revert to this Revision</a>
22 - Revision <a href="#">View</a>	2017-09-29T18:00:23Z	kathleen_carr	<a href="#">Revert to this Revision</a>
21 - Revision <a href="#">View</a>	2017-09-29T17:58:56Z	kathleen_carr	<a href="#">Revert to this Revision</a>
20 - Revision <a href="#">View</a>	2017-09-29T17:57:34Z	kathleen_carr	<a href="#">Revert to this Revision</a>
19 - Revision <a href="#">View</a>	2017-09-29T17:48:29Z	kathleen_carr	<a href="#">Revert to this Revision</a>

## Associate a Variable with one or more Collections for my provider

1. Find the variable record using the instructions above (Find and view variable records in the CMR), and click on the Name of the variable in the search results table to view the variable display page.
2. At the top of the variable display page, click on 'Manage Collection Associations'.



Variables  ANs\_LIF

### ANs\_LIF

Volume mixing ratio of sum of akylnitrates in air

**MANAGE COLLECTIONS**    **MANAGE VARIABLES**    **MANAGE CMR**

[Edit Variable Record](#) | [Clone Variable Record](#) | [Download JSON](#) | [Delete Variable Record](#) | [Manage Collection Associations](#)

[Revisions \(10\)](#)

3. On the Collection Associations page, all collections already associated with this variable will be displayed in a table:

## ANS\_LIF Collection Associations

Add Collection Associations

Showing all 5 Collection Associations

**i** Association operations may take some time. If you are not seeing what you expect below, please [refresh the page](#).

<input type="checkbox"/>	Entry Title	Short Name	Version
<input type="checkbox"/>	ASTER L1A Expedited	AST_L1AE	003
<input type="checkbox"/>	ASTER Level 1 precision terrain corrected registered at-sensor radiance V003	AST_L1T	18
<input type="checkbox"/>	Kathy's Fifth Test Record - revision 2 - edited	Kathy_Test_5	
<input type="checkbox"/>	Kathy's fourth test collection	Kathy_Test_4	
<input type="checkbox"/>	Mapping Example for UMM-C 4	Mapping Short Name2	001

Delete Selected Associations

- To add new collection associations, click on the 'Add Collection Associations' button.
- A Collection Association Search page will be displayed. Choose a Search Field from the pull-down selections, and enter a Search Term (value) for that Search Field. Note that wildcard searches are supported for some search fields. (The text below the search field will tell you if wildcard searches are supported for that field.)

## MMT\_1 Variable Collection Association Search

**Search Field** **Search Term**

Entry Title

This field supports wildcard searches. Use an asterisk (\*) to find collections that match zero or more characters at the beginning, middle or end of your term.

- A table of collections matching the collection search criteria will be displayed. Any collections in the search results that are already associated with the variable will be present in the table but grayed out. Click on the checkbox beside each collection that you wish to associate with the variable (or click the checkbox in the table header to select all collections in the table), and click on Submit below the collection search results table. All selected collections will be associated with the variable.

## MMT\_1 Variable Collection Association Search

This field supports wildcard searches. Use an asterisk (\*) to find collections that match zero or more characters at the beginning, middle or end of your term.

Disabled rows in the results below represent collections that are already associated with this variable.

Showing all 4 Collections

<input type="checkbox"/>	Collection	Short Name	Version
<input type="checkbox"/>	ASTER L1A Expedited	AST_L1AE	003
<input type="checkbox"/>	ASTER Level 1 precision terrain corrected registered at-sensor radiance V003	AST_L1T	18
<input checked="" type="checkbox"/>	ASTER Level 1A	AST_L1A	1
<input type="checkbox"/>	ASTER Level 1A - Cloned	Mark II	1

7. A Collection Associations results page will be displayed, showing all collections now associated with the Variable. This includes any prior associations plus the associations just completed.



## ANs\_LIF Collection Associations

Showing all 6 Collection Associations

Association operations may take some time. If you are not seeing what you expect below, please refresh the page.

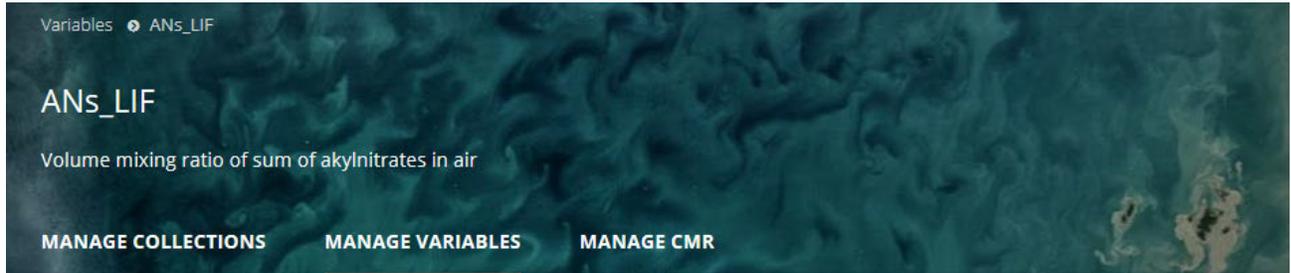
<input type="checkbox"/>	Entry Title	Short Name	Version
<input type="checkbox"/>	ASTER L1A Expedited	AST_L1AE	003
<input type="checkbox"/>	ASTER Level 1 precision terrain corrected registered at-sensor radiance V003	AST_L1T	18
<input type="checkbox"/>	ASTER Level 1A	AST_L1A	1
<input type="checkbox"/>	Kathy's Fifth Test Record - revision 2 - edited	Kathy_Test_5	
<input type="checkbox"/>	Kathy's fourth test collection	Kathy_Test_4	
<input type="checkbox"/>	Mapping Example for UMM-C 4	Mapping Short Name2	001

NOTE: Because the collection / variable association operation is asynchronous, the results page may be displayed before all associations have completed. You may need to click on the 'refresh the page' link to see the final results of the collection association.

**i** Association operations may take some time. If you are not seeing what you expect below, please [refresh the page](#).

## Disassociate a Variable with one or more Collections for my provider

1. Find the variable record using the instructions above (Find and view variable records in the CMR), and click on the Name of the variable in the search results table to view the variable display page.
2. At the top of the variable display page, click on 'Manage Collection Associations';



[Edit Variable Record](#) | [Clone Variable Record](#) | [Download JSON](#) | [Delete Variable Record](#) | [Manage Collection Associations](#)

[Revisions \(10\)](#)

3. On the Collection Associations page, all collections already associated with this variable will be displayed in a table:



### ANs\_LIF Collection Associations

[Add Collection Associations](#)

Showing **all 5** Collection Associations

**i** Association operations may take some time. If you are not seeing what you expect below, please [refresh the page](#).

<input type="checkbox"/>	Entry Title	Short Name	Version
<input type="checkbox"/>	<a href="#">ASTER L1A Expedited</a>	AST_L1AE	003
<input type="checkbox"/>	<a href="#">ASTER Level 1 precision terrain corrected registered at-sensor radiance V003</a>	AST_L1T	18
<input type="checkbox"/>	<a href="#">Kathy's Fifth Test Record - revision 2 - edited</a>	Kathy_Test_5	
<input type="checkbox"/>	<a href="#">Kathy's fourth test collection</a>	Kathy_Test_4	
<input type="checkbox"/>	<a href="#">Mapping Example for UMM-C 4</a>	Mapping Short Name2	001

[Delete Selected Associations](#)

4. Click the checkbox beside each collection whose association to this variable you wish to delete (or click the checkbox at the top of the table to select all collections in the table).
5. Click on 'Delete Selected Associations'.
6. A Collection Association results page will be displayed, showing all collections still associated with the variable.



## ANs\_LIF Collection Associations

[Add Collection Associations](#)

Showing **all 3** Collection Associations

**i** Association operations may take some time. If you are not seeing what you expect below, please [refresh the page](#).

<input type="checkbox"/>	Entry Title	Short Name	Version
<input type="checkbox"/>	<a href="#">Kathy's Fifth Test Record - revision 2 - edited</a>	Kathy_Test_5	
<input type="checkbox"/>	<a href="#">Kathy's fourth test collection</a>	Kathy_Test_4	
<input type="checkbox"/>	<a href="#">Mapping Example for UMM-C 4</a>	Mapping Short Name2	001

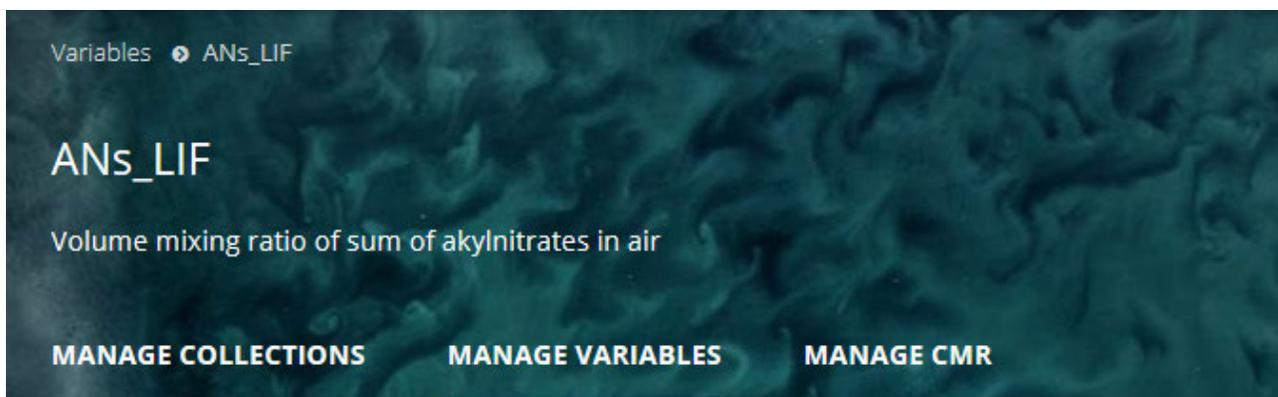
[Delete Selected Associations](#)

NOTE: Because the collection / variable disassociation operation is asynchronous, the results page may be displayed before all disassociations have completed. You may need to click on the 'refresh the page' link to see the final results of the collection disassociation.

**i** Association operations may take some time. If you are not seeing what you expect below, please [refresh the page](#).

## Find which Collections are associated with a Variable

1. Find the variable record using the instructions above (Find and view variable records in the CMR), and click on the Name of the variable in the search results table to view the variable display page.
2. At the top of the variable display page, click on 'Manage Collection Associations';



[Edit Variable Record](#) | [Delete Variable Record](#) | [Manage Collection Associations](#)

3. On the Collection Associations page, all collections already associated with this variable will be displayed in a table:

## ANs\_LIF Collection Associations

Add Collection Associations

Showing **all 3** Collection Associations

**i** Association operations may take some time. If you are not seeing what you expect below, please [refresh the page](#).

<input type="checkbox"/>	Entry Title	Short Name	Version
<input type="checkbox"/>	<a href="#">Kathy's Fifth Test Record - revision 2 - edited</a>	Kathy_Test_5	
<input type="checkbox"/>	<a href="#">Kathy's fourth test collection</a>	Kathy_Test_4	
<input type="checkbox"/>	<a href="#">Mapping Example for UMM-C 4</a>	Mapping Short Name2	001

Delete Selected Associations

## Manage Service Metadata for my provider

### Required Permissions

To create, update, or delete service metadata records in the CMR, or to associate / disassociate services with collections, your login user id must be a member of a group with Provider Object Permissions which include Ingest Operations Read and Update.

See your provider Administrator if you are not sure whether your user id has the correct permissions for these operations. The provider Administrator should refer to the "Manage 'Provider Object Permissions' for a user group" section below to assign these permissions.

### Create a service record in the CMR for my provider

1. On the 'Manage Services' dashboard,

MANAGE COLLECTIONS

MANAGE VARIABLES

MANAGE SERVICES

MANAGE CMR

click on 'Create New Record'. A draft service record will be created.

## Create Service Record

Create New Record

**OR** use the [search](#) in the top right corner to find a published variables to clone or edit.

2. Begin filling in metadata fields for your draft service record. Use the information icons (blue 'i') to get information about what fields mean and how to format their values.

Save & Jump To:

ⓘ Indicates required field

### Service Information

ⓘ **Name** ⓘ

20 Characters Remaining

ⓘ **Long Name** ⓘ

120 Characters Remaining

ⓘ **Type** ⓘ

ⓘ **Version** ⓘ

20 Characters Remaining

ⓘ **Description** ⓘ

1024 Characters Remaining

3. Navigate from form to form using the Previous or Next buttons, or by choosing the next form to edit from the pull-down list at 'Save & Jump To:'. You may work on forms in any order. When you move from one form to another, your input from the previous form will be saved in your draft record.

Save & Jump To:

4. Explicitly Save form input (within a session or at the end of a session) with the 'Save' button; Finish editing your draft record using the 'Done' button.

Last saved 2017-04-25 10:39 EDT

NOTE: When you are working with a draft service record, all 'Save' and 'Done' operations update the draft record in the MMT database, not in the CMR, i.e., DRAFT records are not stored in the CMR. Your draft service record will not be ingested into the CMR until you click on the 'Publish Service Draft' button in step 7 below.

5. Follow progress of your draft record on the progress panel:

## Metadata Fields

 Service Information     	 Service Identification   	 Related URL   
 Service Keywords 	 Science and Ancillary Keywords  	 Acquisition Information 
 Service Organizations 	 Service Contacts  	 Options 
 Coverage 		

The icons on the progress panel have the following meanings:

-  Required but not complete
-  Required and complete
-  Optional and not complete
-  Optional and complete
-  Does not pass validation

6. View a HTML rendering of your service record on the 'preview panel':

## Service Information

---

 **Name**

*No value for Name provided.*

 **Long Name**

*No value for Long Name provided.*

 **Type**

*No value for Type provided.*

 **Version**

*No value for Version provided.*

 **Description**

*No value for Description provided.*

## Related URL

---

 **Related Url**

**DataContactURL** 

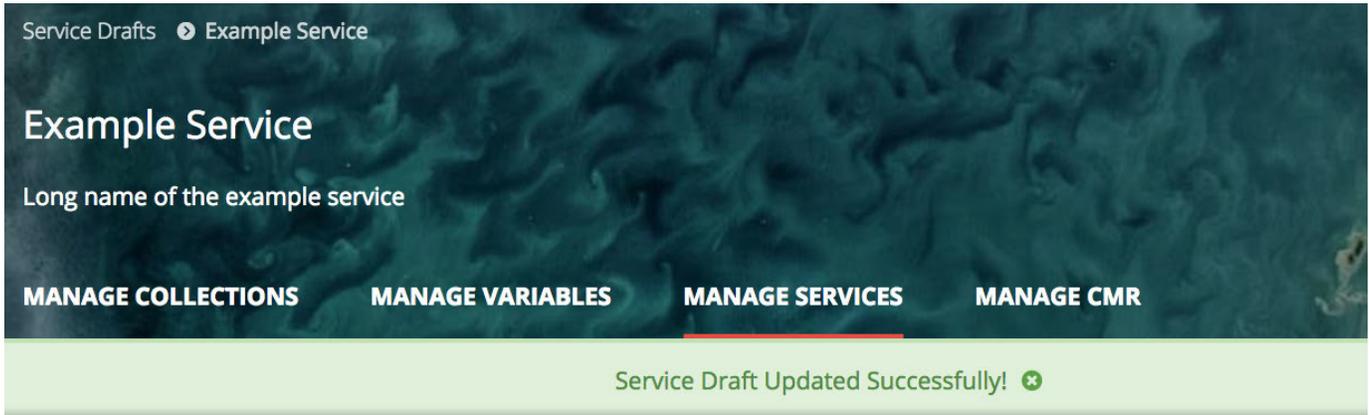
Not provided

[HOME PAGE](#)

## Service Keywords

7. When all Required fields are complete with no validation errors (red icon) showing on the progress panel, you are ready to Publish your record to the CMR.

Click on the 'Publish Service Draft' button above the Progress Panel on the draft record page:

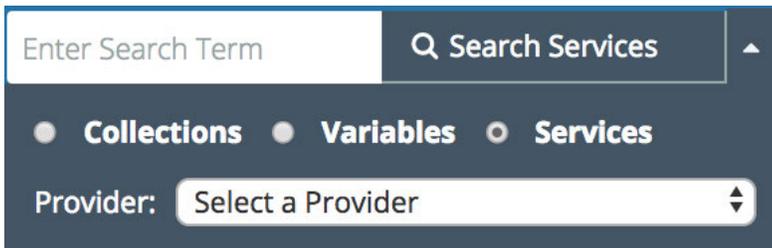


[Publish Service Draft](#) [Delete Service Draft](#)

8. You will see a green banner indicating that your service record has been successfully published to the CMR. You will also receive an email stating that your record has been published, and providing the 'concept id' (CMR identifier) for the published record. You may use that concept id to search for your record on the MMT.

### Find and view service records in the CMR

Use the 'Search Services' interface in the upper right corner of the MMT banner:



### Find records based on a keyword

Enter a search term (e.g., Short Name, Entry Title, a CMR concept id, a service keyword) in the white 'Enter Search Term' box, and click on 'Search Services'.

A table of CMR service records which match the search term will be presented (sorted by Name).

## 13 Service Results

Showing all 13 services

Name ↕	Long Name ↕	Provider ↕	Last Modified ↕
<a href="#">AIRX3STD.006</a>	AIRS/Aqua L3 Daily Standard Physical Retrieval (AIRS+AMSU) ...	EDF_OPS	2018-02-26
<a href="#">AIRX3STD.006 1</a>	AIRS/Aqua L3 Daily Standard Physical Retrieval (AIRS+AMSU) ...	DEMO_PROV	2018-03-02
<a href="#">AIRX3STD.006 2</a>	AIRS/Aqua L3 Daily Standard Physical Retrieval (AIRS+AMSU) ...	DEMO_PROV	2018-03-02
<a href="#">AIRX3STD.006 3</a>	AIRS/Aqua L3 Daily Standard Physical Retrieval (AIRS+AMSU) ...	DEMO_PROV	2018-03-02
<a href="#">ASF_Clone_2</a>	Tyler New Clone Test	SCIOPSTEST	2018-03-14
<a href="#">ASF_MapReady</a>	ASF MapReady Tool Suite	SCIOPSTEST	2018-03-15
<a href="#">ASFMap_Clone</a>	ASF Ma Clone Machine	SCIOPSTEST	2018-03-13
<a href="#">BYU_slice_response</a>	SeaWinds 3D Slice Response Software	DEMO_PROV	2018-02-19
<a href="#">Open_Data_Cube</a>	Open Data Cube	SCIOPSTEST	2018-03-14
<a href="#">Scott_Test_20180301</a>	Greenbelt House Cat Population Tool (Updates 3/13 a)	SCIOPSTEST	2018-03-13
<a href="#">SERVIR</a>	Mesoamerican Visualization and Monitoring System (SERVIR)	DEMO_PROV	2018-02-19
<a href="#">SR_Test_2018-02-23b</a>	This is a tool for counting populations of large cats in sub-Sa...	SCIOPSTEST	2018-03-15
<a href="#">USGS_TOOLS_LATLONG</a>	WRS-2 Path/Row to Latitude/Longitude Converter	DEMO_PROV	2018-02-19

To view an html representation of the metadata for any service in the search results table, click on the Name of the service.

## Find all service records for a provider

Q Search Services
 ▲

● Collections
● Variables
● **Services**

Provider:

Select a Provider
▼

Select a provider from the 'Select a Provider' drop-down list, and then click on 'Search Services'.

A table of all CMR service records for the selected provider will be presented (sorted by Name).

Search Results

[MANAGE COLLECTIONS](#)   [MANAGE VARIABLES](#)   [MANAGE SERVICES](#)   [MANAGE CMR](#)

6 Service Results for: Provider Id: DEMO\_PROV

Showing all 6 services

Name ↕	Long Name ↕	Provider ↕	Last Modified ↕
<a href="#">AIRX3STD.006 1</a>	AIRS/Aqua L3 Daily Standard Physical Retrieval (AIRS+AMSU) ...	DEMO_PROV	2018-03-02
<a href="#">AIRX3STD.006 2</a>	AIRS/Aqua L3 Daily Standard Physical Retrieval (AIRS+AMSU) ...	DEMO_PROV	2018-03-02
<a href="#">AIRX3STD.006 3</a>	AIRS/Aqua L3 Daily Standard Physical Retrieval (AIRS+AMSU) ...	DEMO_PROV	2018-03-02
<a href="#">BYU_slice_response</a>	SeaWinds 3D Slice Response Software	DEMO_PROV	2018-02-19
<a href="#">SERVIR</a>	Mesoamerican Visualization and Monitoring System (SERVIR)	DEMO_PROV	2018-02-19
<a href="#">USGS_TOOLS_LATLONG</a>	WRS-2 Path/Row to Latitude/Longitude Converter	DEMO_PROV	2018-02-19

To view an html representation of the metadata for any service record in the search results table, click on the Name of the service in the search results table.

## Update a service record in the CMR for my provider

1. Find the service record using the instructions above (Find and view service records in the CMR), and click on the Name of the service in the search results table to view the service display page.
2. At the top of the service display page, click on 'Edit Service Record'

Services [ASF\\_MapReady\\_1\\_3.1](#)

# ASF\_MapReady\_1\_3.1

ASF MapReady Tool Suite

[MANAGE COLLECTIONS](#)   [MANAGE VARIABLES](#)   [MANAGE SERVICES](#)   [MANAGE CMR](#)

[Edit Service Record](#) | [Clone Service Record](#) | [Download JSON](#) | [Delete Service Record](#)

[Revisions \(1\)](#)

3. A new draft of this record will be created in the MMT database. The MMT will display the progress panel (and html representation) for the draft record.



**Metadata Fields** ⓘ

- |   |  |   |
|---|--|---|
| <input checked="" type="checkbox"/> Service Information<br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | <input checked="" type="checkbox"/> Service Identification<br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | <input checked="" type="checkbox"/> Related URL<br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| <input checked="" type="checkbox"/> Service Keywords<br><input type="checkbox"/>  | <input checked="" type="checkbox"/> Science and Ancillary Keywords<br><input type="checkbox"/> <input type="checkbox"/>                  | <input checked="" type="checkbox"/> Acquisition Information<br><input type="checkbox"/>                                       |
| <input checked="" type="checkbox"/> Service Organizations<br><input type="checkbox"/>   | <input checked="" type="checkbox"/> Service Contacts<br><input type="checkbox"/> <input type="checkbox"/>                                | <input checked="" type="checkbox"/> Options<br><input type="checkbox"/>   |
| <input checked="" type="checkbox"/> Coverage<br><input type="checkbox"/>  |  |   |

**Service Information** ⌵

✎ **Name**  
ASF\_MapReady\_1

✎ **Long Name**  
ASF MapReady Tool Suite

**Clone and edit a service record in the CMR for my provider**

1. Find the service record using the instructions above (Find and View Service in the CMR), and click on the Name of the service to view the service page.
2. At the top of the service page, click on 'Clone Service Record'



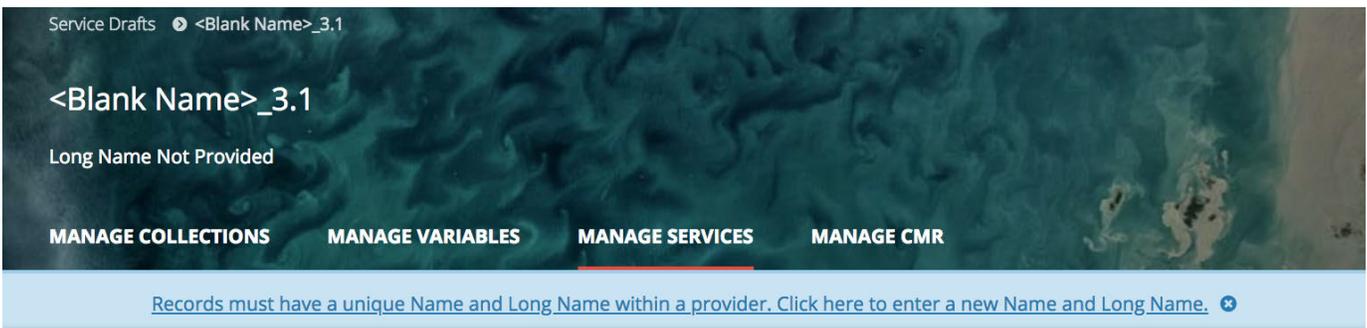
[Edit Service Record](#) | [Clone Service Record](#) | [Download JSON](#) | [Delete Service Record](#)

[Revisions \(1\)](#)

3. A draft of a clone of this record will be created in the MMT database. The MMT will display the progress panel (and html representation) for the draft record (the clone).

Since service Names must be unique within a provider, the clone is initiated with a blank Name. The Entry Title of the clone will be initialized to '<entry title of the original record' - Cloned'. You may edit the record to change the default entry title of the clone.

NOTE: A prompt to enter a new Name and Long Name for the clone appears in the blue bar, and the progress panel indicates that the Name and Long Name have not yet been filled in.



[Publish Service Draft](#)

[Delete Service Draft](#)

### Metadata Fields +

Service Information Ⓟ Ⓟ Ⓡ Ⓡ Ⓡ

Service Identification Ⓟ Ⓟ Ⓟ

Related URL Ⓡ Ⓟ Ⓟ

Service Keywords Ⓡ

Science and Ancillary Keywords Ⓟ Ⓟ

Acquisition Information Ⓟ

Service Organizations Ⓡ

Service Contacts Ⓟ Ⓟ

Options Ⓟ

Coverage Ⓟ

### Service Information ⌵

Name

4. On the progress panel, click on any section to begin editing the draft record (the clone). You must enter a new Name and Long Name for the clone. Use the progress panel and navigation buttons described above (Create a service record in the CMR for my provider) to update the metadata in the draft record.

5. When you have finished editing the draft record (the clone), publish it to the CMR by clicking on the Publish Service Draft button above the progress panel. The clone will be stored as a new service record in the CMR, with a different concept id from the original record.

## Download JSON for a service record in the CMR

1. Find the service record using the instructions above (Find and View Service in the CMR), and click on the Name of the service to view the service page.
2. At the top of the service page, click on 'Download JSON'



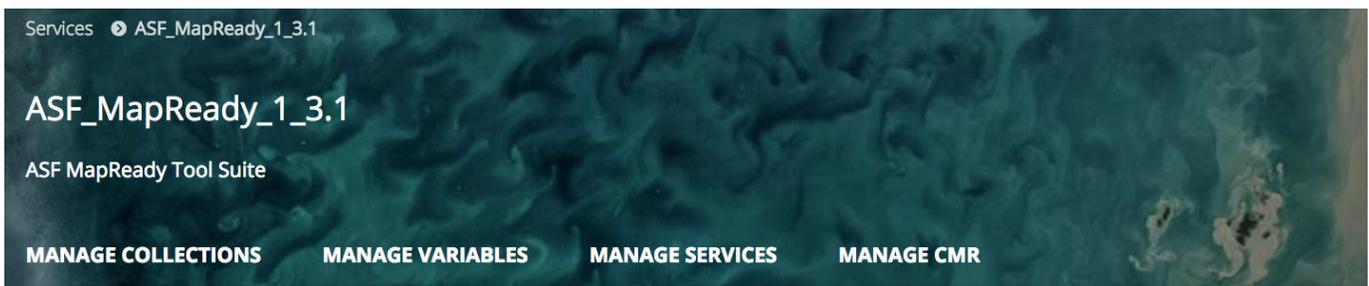
[Edit Service Record](#) | [Clone Service Record](#) | [Download JSON](#) | [Delete Service Record](#)

[Revisions \(1\)](#)

3. Your browser and local machine will now prompt you through the download process, and a JSON version of the service record will be downloaded to your local machine.

## Delete a service record in the CMR for my provider

1. Find the service record using the instructions above (Find and View Services in the CMR), and click on the Name of the service to view the service page.
2. At the top of the service page, click on 'Delete Service Record'



[Edit Service Record](#) | [Clone Service Record](#) | [Download JSON](#) | [Delete Service Record](#)

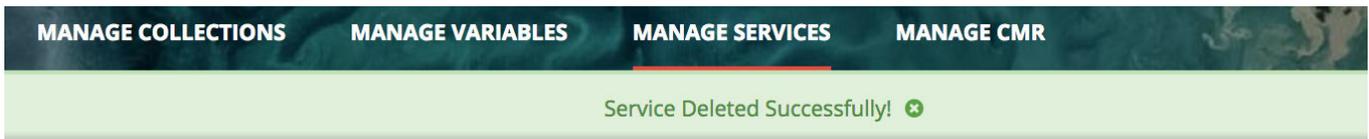
[Revisions \(1\)](#)

3. You will see a pop-up message asking you to confirm the service record deletion.

Are you sure you want to delete this service record?



4. Click on Yes to delete the service record. The MMT will then display a 'Service Deleted Successfully!' message.



## Revert to a previous revision of a service record in the CMR for my provider

1. Find the service record using the instructions above (Find and View Services in the CMR), and click on the Name of the service to view the service page.
2. At the top of the service page, click on 'Revisions (<number of revisions>)'



[Edit Service Record](#) | [Clone Service Record](#) | [Download JSON](#) | [Delete Service Record](#)

[Revisions \(6\)](#)

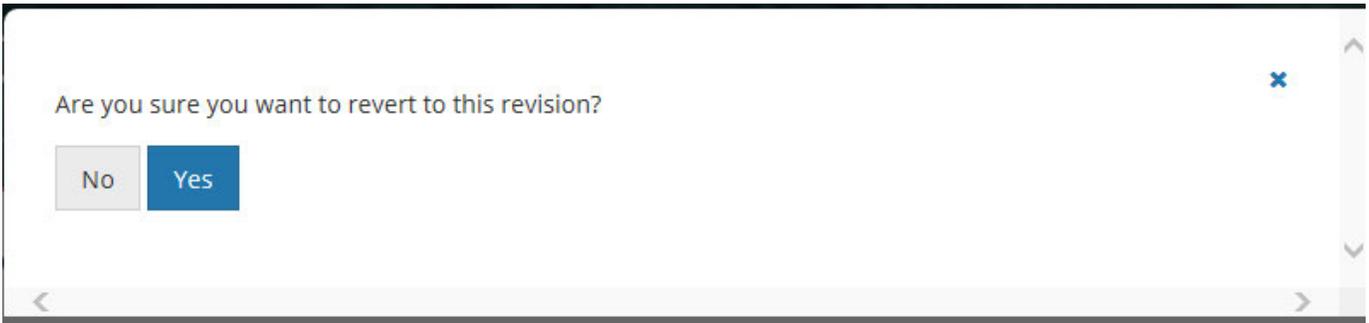
3. A table of the (up to) 10 most recent revisions of the service record will be displayed.

### Revision History

Description	Revision Date	Action by	Actions
6 - Published <a href="#">View</a>	2018-03-16T19:57:52Z	aaleman	
5 - Revision <a href="#">View</a>	2018-03-16T19:57:31Z	aaleman	<a href="#">Revert to this Revision</a>
4 - Revision <a href="#">View</a>	2018-03-16T19:57:12Z	aaleman	<a href="#">Revert to this Revision</a>
3 - Revision <a href="#">View</a>	2018-03-16T19:56:39Z	aaleman	<a href="#">Revert to this Revision</a>
2 - Deleted	2018-03-16T19:54:22Z	aaleman	
1 - Revision <a href="#">View</a>	2018-03-16T19:47:51Z	aaleman	<a href="#">Revert to this Revision</a>

4. You may View previous revisions of the record by clicking on the 'View' link next to the Revision Description. After you determine which revision you want to revert to, click on 'Revert to this Revision' in the Actions column for that revision.

You will see a pop-up message asking you to confirm the action:



5. Click on Yes to revert to the selected previous revision of the record. The MMT will then display a 'Revision Created Successfully!' message, as well as the new revision history for the record.

If there were no revisions before you reverted to a previous revision, there will now be n+1 revisions, and the n+1st revision will be identical to the previous revision to which you reverted.

Service Revision Created Successfully! 

## Revision History

Description	Revision Date	Action by	Actions
6 - Published <a href="#">View</a>	2018-03-16T19:57:52Z	aaleman	
5 - Revision <a href="#">View</a>	2018-03-16T19:57:31Z	aaleman	<a href="#">Revert to this Revision</a>
4 - Revision <a href="#">View</a>	2018-03-16T19:57:12Z	aaleman	<a href="#">Revert to this Revision</a>
3 - Revision <a href="#">View</a>	2018-03-16T19:56:39Z	aaleman	<a href="#">Revert to this Revision</a>
2 - Deleted	2018-03-16T19:54:22Z	aaleman	
1 - Revision <a href="#">View</a>	2018-03-16T19:47:51Z	aaleman	<a href="#">Revert to this Revision</a>

## Associate a Service with one or more Collections for my provider

1. Find the service record using the instructions above (Find and view service records in the CMR), and click on the Name of the service in the search results table to view the service display page.
2. At the top of the service display page, click on 'Manage Collection Associations'.



[Edit Service Record](#) | [Clone Service Record](#) | [Download JSON](#) | [Delete Service Record](#) | [Manage Collection Associations](#)

[Revisions \(1\)](#)

3. On the Collection Associations page, all collections already associated with this service will be displayed in a table:



## ASF\_MapReady Collection Associations

[Add Collection Associations](#)

Showing **all 2** Collection Associations

**i** Association operations may take some time. If you are not seeing what you expect below, please [refresh the page](#).

<input type="checkbox"/>	Entry Title	Short Name	Version
<input type="checkbox"/>	<a href="#">Multi-Satellite Lambertian Equivalent Reflectivity (Local Satellite Time) 10-Day L3 Global 2.0x5.0deg Lat/Lon Grid V1 (MSLERLSTL3d10) at GES DISC</a>	MSLERLSTL3d10_Ritz_Test_2016-04-13a	1
<input type="checkbox"/>	<a href="#">Scott_Test_12-11_a_5 Test</a>	Scott_Test_12-11_a	5

[Delete Selected Associations](#)

4. To add new collection associations, click on the 'Add Collection Associations' button.

5. A Collection Association Search page will be displayed. Choose a Search Field from the pull-down selections, and enter a Search Term (value) for that Search Field. Note that wildcard searches are supported for some search fields. (The text below the search field will tell you if wildcard searches are supported for that field.)

## SCIOPSTEST Service Collection Association Search

**Search Field**

Entry Title

This field supports wildcard searches. Use an asterisk (\*) to find collections that match zero or more characters at the beginning, middle or end of your term.

**Search Term**

AMSR\*

+

Submit

6. A table of collections matching the collection search criteria will be displayed. Any collections in the search results that are already associated with the service will be present in the table but grayed out. Click on the checkbox beside each collection that you wish to associate with the service (or click the checkbox in the table header to select all collections in the table), and click on Submit below the collection search results table. All selected collections will be associated with the service.

## SCIOPTTEST Service Collection Association Search

**Search Field**

This field supports wildcard searches. Use an asterisk (\*) to find collections that match zero or more characters at the beginning, middle or end of your term.

**Search Term**

**Submit**

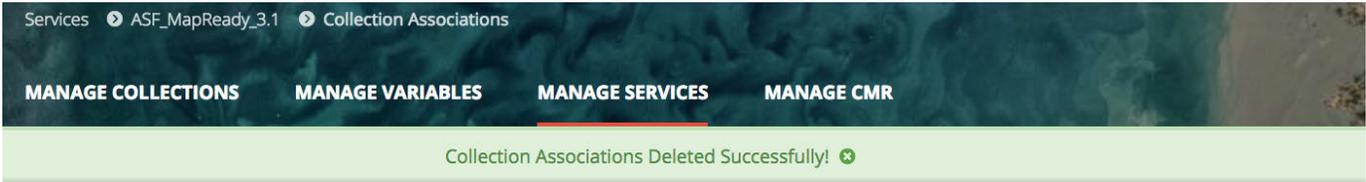
Disabled rows in the results below represent collections that are already associated with this service.

Showing all 7 Collections

<input type="checkbox"/>	Collection	Short Name	Version
<input type="checkbox"/>	AMSR-E and Aqua surface soil (LPRM) L2B V002 (LPRM_AMSRE_SOILM2) at GES DISC DAAC	LPRM_AMSR2_D_SOILM3_Ritz_Test	001
<input type="checkbox"/>	AMSR-E and Aqua surface soil moisture (LPRM) L2B V002 (LPRM_AMSRE_SOILM2) at GES DISC	LPRM_AMSRE_SOILM2_Ritz_Test_Eid	002
<input type="checkbox"/>	AMSR-E and Aqua surface soil moisture (LPRM) L2B V002 (LPRM_AMSRE_SOILM2) at GES DISC DAACS	LPRM_AMSRE_SOILM2_Ritz_Test_453	002
<input type="checkbox"/>	AMSR-E and Aqua surface soil moisture (LPRM-Test) L2B V002 (LPRM_AMSRE_SOILM2 Test) at GES DISC DAAC	LPRM_AMSRE_SOILM2_Ritz_Test_4-07	002
<input type="checkbox"/>	AMSR-E and Aqua surface soil moisture (LPRM-Test) L2B V002 (LPRM_AMSRE_SOILM2) at GES DISC DAAC	LPRM_AMSRE_SOILM2_Ritz_Test_10-25_new	002
<input checked="" type="checkbox"/>	AMSR-E/Aqua surface soil moisture (LPRM) L3 1 day 25 km x 25 km descending V002	LPRM_AMSRE_D_SOILM3_Ritz_Test	002
<input type="checkbox"/>	AMSR-E/Aqua surface soil moisture (LPRM) L3 1 day 25 km x 25 km V002 ascending (LPRM_AMSRE_A_SOILM3) at GES DISC	LPRM_AMSRE_A_SOILM3_Ritz_Test	002

**Submit**

7. A Collection Associations results page will be displayed, showing all collections now associated with the service. This includes any prior associations plus the associations just completed.



## ASF\_MapReady Collection Associations

Add Collection Associations

Showing all 3 Collection Associations

**i** Association operations may take some time. If you are not seeing what you expect below, please [refresh the page](#).

<input type="checkbox"/>	Entry Title	Short Name	Version
<input type="checkbox"/>	AMSR-E/Aqua surface soil moisture (LPRM) L3 1 day 25 km x 25 km descending V002	LPRM_AMSRE_D_SOILM3_Ritz_Test	002
<input type="checkbox"/>	Multi-Satellite Lambertian Equivalent Reflectivity (Local Satellite Time) 10-Day L3 Global 2.0x5.0deg Lat/Lon Grid V1 (MSLERLSTL3d10) at GES DISC	MSLERLSTL3d10_Ritz_Test_2016-04-13a	1
<input type="checkbox"/>	Scott_Test_12-11_a_5 Test	Scott_Test_12-11_a	5

Delete Selected Associations

NOTE: Because the collection / service association operation is asynchronous, the results page may be displayed before all associations have completed. You may need to click on the 'refresh the page' link to see the final results of the collection association.

**i** Association operations may take some time. If you are not seeing what you expect below, please [refresh the page](#).

## Disassociate a Service with one or more Collections for my provider

1. Find the service record using the instructions above (Find and view service records in the CMR), and click on the Name of the service in the search results table to view the service display page.
2. At the top of the service display page, click on 'Manage Collection Associations';



[Edit Service Record](#) | [Clone Service Record](#) | [Download JSON](#) | [Delete Service Record](#) | [Manage Collection Associations](#)

[Revisions \(1\)](#)

3. On the Collection Associations page, all collections already associated with this service will be displayed in a table:

Services > ASF\_MapReady\_3.1 > Collection Associations

MANAGE COLLECTIONS    MANAGE VARIABLES    **MANAGE SERVICES**    MANAGE CMR

Collection Associations Deleted Successfully! ✕

## ASF\_MapReady Collection Associations

Add Collection Associations

Showing all 3 Collection Associations

**i** Association operations may take some time. If you are not seeing what you expect below, please [refresh the page](#).

<input type="checkbox"/>	Entry Title	Short Name	Version
<input type="checkbox"/>	AMSR-E/Aqua surface soil moisture (LPRM) L3 1 day 25 km x 25 km descending V002	LPRM_AMSRE_D_SOILM3_Ritz_Test	002
<input type="checkbox"/>	Multi-Satellite Lambertian Equivalent Reflectivity (Local Satellite Time) 10-Day L3 Global 2.0x5.0deg Lat/Lon Grid V1 (MSLERLSTL3d10) at GES DISC	MSLERLSTL3d10_Ritz_Test_2016-04-13a	1
<input type="checkbox"/>	Scott_Test_12-11_a_5 Test	Scott_Test_12-11_a	5

Delete Selected Associations

- Click the checkbox beside each collection whose association to this service you wish to delete (or click the checkbox at the top of the table to select all collections in the table).
- Click on 'Delete Selected Associations'.
- A Collection Association results page will be displayed, showing all collections still associated with the service.

Services > ASF\_MapReady\_3.1 > Collection Associations

MANAGE COLLECTIONS    MANAGE VARIABLES    **MANAGE SERVICES**    MANAGE CMR

Collection Associations Deleted Successfully! ✕

## ASF\_MapReady Collection Associations

Add Collection Associations

Showing all 2 Collection Associations

**i** Association operations may take some time. If you are not seeing what you expect below, please [refresh the page](#).

<input type="checkbox"/>	Entry Title	Short Name	Version
<input type="checkbox"/>	AMSR-E/Aqua surface soil moisture (LPRM) L3 1 day 25 km x 25 km descending V002	LPRM_AMSRE_D_SOILM3_Ritz_Test	002
<input type="checkbox"/>	Multi-Satellite Lambertian Equivalent Reflectivity (Local Satellite Time) 10-Day L3 Global 2.0x5.0deg Lat/Lon Grid V1 (MSLERLSTL3d10) at GES DISC	MSLERLSTL3d10_Ritz_Test_2016-04-13a	1

Delete Selected Associations

NOTE: Because the collection / service disassociation operation is asynchronous, the results page may be displayed before all disassociations have completed. You may need to click on the 'refresh the page' link to see the final results of the collection disassociation.

**i** Association operations may take some time. If you are not seeing what you expect below, please [refresh the page](#).

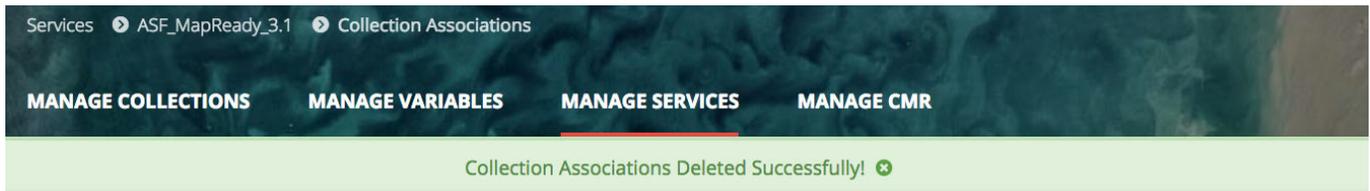
## Find which Collections are associated with a Service

1. Find the service record using the instructions above (Find and view service records in the CMR), and click on the Name of the service in the search results table to view the service display page.
2. At the top of the service display page, click on 'Manage Collection Associations';



[Edit Service Record](#) | 
 [Clone Service Record](#) | 
 [Download JSON](#) | 
 [Delete Service Record](#) | 
 [Manage Collection Associations](#)  
[Revisions \(1\)](#)

3. On the Collection Associations page, all collections already associated with this service will be displayed in a table:



### ASF\_MapReady Collection Associations

[Add Collection Associations](#)

Showing **all 2** Collection Associations

**i** Association operations may take some time. If you are not seeing what you expect below, please [refresh the page](#).

<input type="checkbox"/>	Entry Title	Short Name	Version
<input type="checkbox"/>	<a href="#">AMSR-E/Aqua surface soil moisture (LPRM) L3 1 day 25 km x 25 km descending V002</a>	LPRM_AMSRE_D_SOILM3_Ritz_Test	002
<input type="checkbox"/>	<a href="#">Multi-Satellite Lambertian Equivalent Reflectivity (Local Satellite Time) 10-Day L3 Global 2.0x5.0deg Lat/Lon Grid V1 (MSLERLSTL3d10) at GES DISC</a>	MSLERLSTL3d10_Ritz_Test_2016-04-13a	1

[Delete Selected Associations](#)

## Produce a Holdings Report for my provider

1. On the 'Manage CMR' dashboard, under Provider Information, click on 'Holdings Report'.

## Provider Information

### Holdings Report

2. A table of providers and their holding summaries will be displayed.

#### Data Providers

Provider Name	Collections	Granules
<a href="#">AETD8</a>	0	0
<a href="#">ASF</a>	167	1,860,172
<a href="#">AU_AADC</a>	2	0
<a href="#">CDDIS</a>	30	1,363
<a href="#">CMRONLYTST</a>	0	0
<a href="#">CUMULUS</a>	17	2,140
<a href="#">CU_NGAP</a>	0	0
<a href="#">DUG_PROV</a>	0	0
<a href="#">ECHO10_PT</a>	760	354
<a href="#">ECHO367</a>	0	0
<a href="#">ECHOIPV6</a>	0	0
<a href="#">ECHO_REST</a>	98	3,909
<a href="#">EDF_DEV04</a>	259	23
<a href="#">EDF_OPS</a>	179	19,329
<a href="#">EDF_TS3</a>	0	0

3. Click on the name of a provider in the table to see the detailed holdings for that provider. For example:

## EDF\_DEV04 Holdings

CMR/ECHO has been cleared to begin nightly deployments in SIT/TestBed environments. With that, we would like to setup some of our SDPS EDF test modes to connect to Partner Test.

**There are 259 collections for EDF\_DEV04.**

Collection ^	Short Name ⇅	Version ⇅	Granules ⇅
<input type="text"/>	<input type="text"/>	<input type="text"/>	
AMSR-E/AMSR2 Unified L2B Half-Orbit 25 km EASE-Grid Surface Soil Moisture V001	AU_Land	001	0
AMSR-E/Aqua 5-Day L3 Global Snow Water Equivalent EASE-Grids V002	AE_5DSno	002	1
AMSR-E/Aqua Daily L3 12.5 km Tb, Sea Ice Conc., & Snow Depth Polar Grids V002	AE_SI12	002	0
AMSR-E/Aqua Daily L3 Global Ascending/Descending .25x.25 deg Ocean Grids V002	AE_DyOcn	002	0
AMSR-E/Aqua L2B Surface Soil Moisture, Ancillary Params, & QC EASE-Grids V002	AE_Land	002	0
AMSR-E/Aqua Monthly L3 5x5 deg Rainfall Accumulations V001	AE_RnGd	001	0
AMSR-E/Aqua Monthly L3 Global Ascending/Descending .25x.25 deg Ocean Grids V002	AE_MoOcn	002	0

4. Use the sort and filter features on the above table to find specific collections or sets of collections for the provider.

Collection ⇅	Short Name ▼	Version ⇅	Granules ⇅
<input type="text" value="MODI"/>	<input type="text"/>	<input type="text"/>	

## Manage Groups for my provider

### Recommended set-up for a provider:

1. Each provider should have an administrator group, whose members will have full privileges for the provider. Normally this group is called 'Administrator Group'. The CMR OPS team will establish this group and its Provider Object Permissions when they set up your provider. Provider Object Permissions for the Administrator Group are as follows:

## Administrator Group Provider Object Permissions

Set permissions for the Administrator Group group by checking the appropriate boxes below and clicking 'Submit'.

Check/Uncheck all permissions

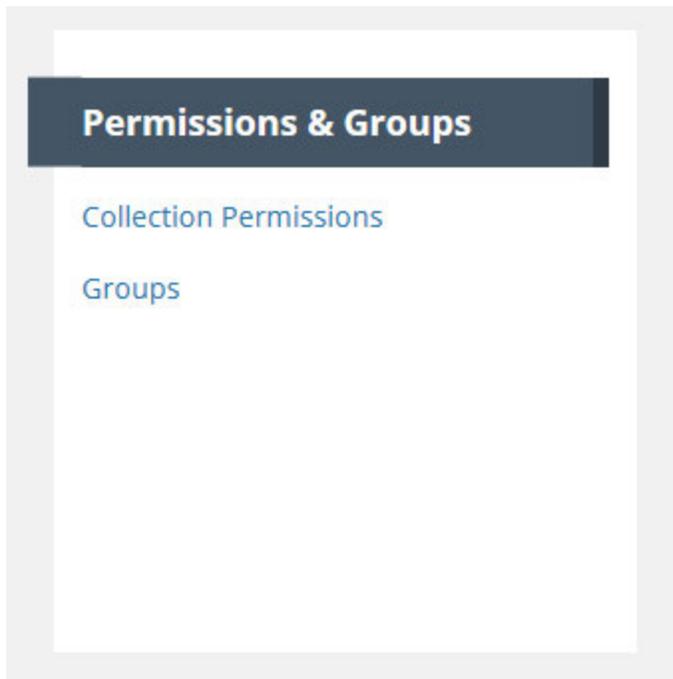
Provider Object ^	Create	Read	Update	Delete
Audit Reports	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Authenticator Definitions	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Catalog Item ACLs	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Data Quality Summary Assignments	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Data Quality Summary Definitions	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Dataset Information	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Extended Services	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Groups	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Ingest Operations	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Option Assignments	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Option Definition Deprecations	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Option Definitions	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Provider Calendar Event	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Provider Context	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Provider Holdings	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Provider Information	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Provider Object ACLs	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Provider Order Acceptances	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Provider Order Closures	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Provider Order Rejections	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Provider Order Resubmissions	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Provider Order Tracking IDs	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Provider Orders	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Provider Policies	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Users	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

2. Each provider may also establish Groups of registered users who will have Search and Order access to specified sets of your collections (this access is granted through Collection Permissions, described in the next section of this User's Guide).

(e.g., instrument team group with access to collections from that instrument)

## Create a New User Group

1. On the 'Manage CMR' dashboard, under 'Permissions & Groups', click on 'Groups'



2. At the top of the Group page, click on 'Create a Group'

## Groups

Create a Group

3. A blank group page will be displayed.

**Name**

Group names cannot be modified after creation.

**Description**

255 Characters Remaining

**Members**

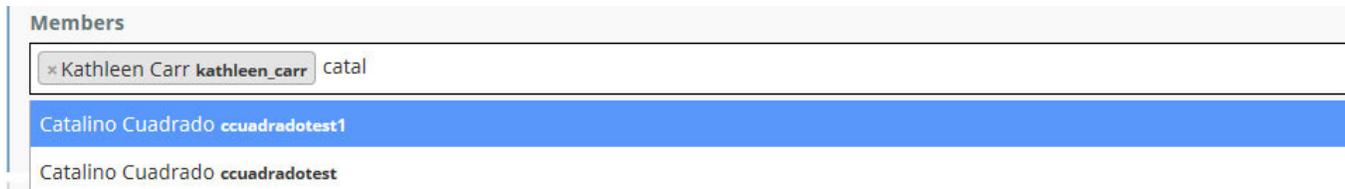
Member not listed?

Submit Cancel

4. Fill in the Group Name (recommended to make the name descriptive of the group purpose) and Description.

5. Add members to the group. Group members must have URS login ids in the environment where the group is being created (SIT, UAT, PROD). To add members to the group, position your cursor in the 'Members' box and begin typing the member's URS login id or URS name.

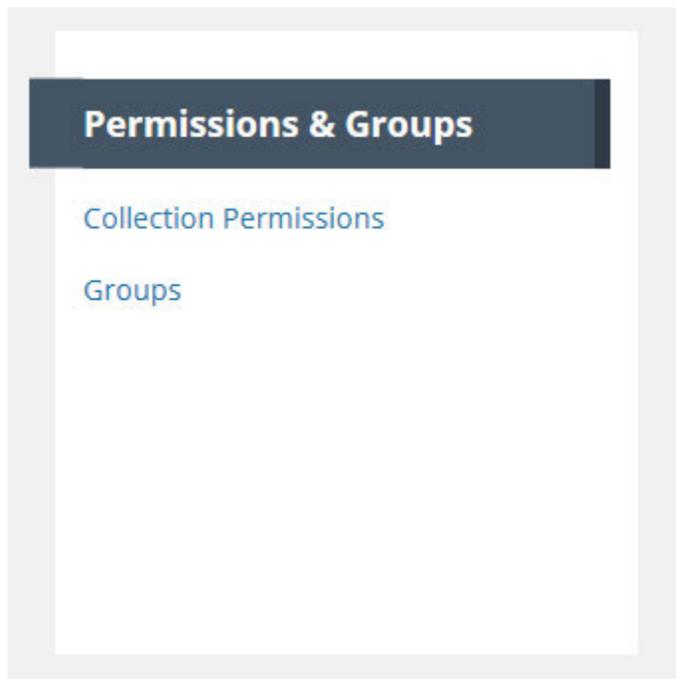
After you have typed 3 characters, the MMT will suggest members for you, and you can choose from the suggested member list.



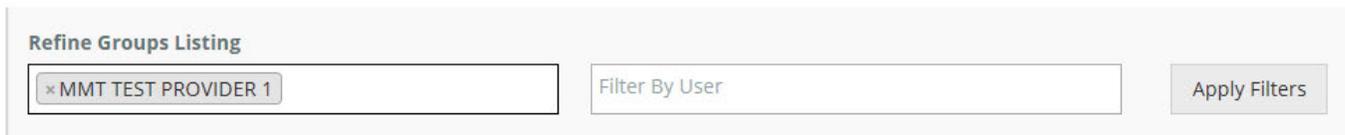
Enter all group members in the 'Members' field, then click on 'Submit' to save your group.

## View a User Group

1. On the 'Manage CMR' dashboard, under 'Permissions & Groups', click on 'Groups'



2. A table of groups that you are permitted to see will be displayed. You may filter that table by Provider



or by User (group member)



Click on 'Apply Filters' to filter the table.

3. From the resulting table of groups, select the group you wish to view by clicking on the Group Name for the group.

Group Name	Description	Provider	Members	Actions	
<a href="#">Administrator Group</a>	Local admin group for provider MMT_1	MMT_1	17	<a href="#">Edit</a>	<a href="#">Delete</a>
<a href="#">Avengers</a>	description description	MMT_1	2	<a href="#">Edit</a>	<a href="#">Delete</a>
<a href="#">Kathy Test Group 731</a>	description	MMT_1	3	<a href="#">Edit</a>	<a href="#">Delete</a>
<a href="#">Test Group 1 for MMT 911</a>	description	MMT_1	6	<a href="#">Edit</a>	<a href="#">Delete</a>

4. The Group information page will be displayed. The page shows the group name, group description, all Collection Permissions associated with the group (see next section of this User's Guide for a discussion of Collection Permissions), and a table of group members.

## Kathy Test Group 731

description

### Associated Permissions

- [Kathy Test Permission 100](#)
- [Kathy Test All Collections](#)
- [Kathy Test Permission 855](#)

### Members

Member Name	Email	Earthdata Login Username
Kathleen Carr	kathleen_carr@raytheon.com	kathleen_carr

[Edit](#) [Delete](#)

5. You may Edit or Delete the group from the group display page using the Edit or Delete buttons at the bottom of the page,

[Edit](#) [Delete](#)

See the next two sections for instructions on how to Edit or Delete a Group.

## Edit a User Group

1. On the 'Manage CMR' dashboard, under 'Permissions & Groups', click on 'Groups'

## Permissions & Groups

Collection Permissions

Groups

2. A table of groups that you are permitted to see will be displayed. You may filter that table by Provider

**Refine Groups Listing**

× MMT TEST PROVIDER 1

Filter By User

Apply Filters

or by User (group member)

**Refine Groups Listing**

Filter By Provider

× Kathleen Carr kathleen\_carr

Apply Filters

Click on 'Apply Filters' to filter the table.

3. From the resulting table of groups, select the group you wish to update by clicking on the 'Edit' Action in the row with the group name, OR you may click on the Group Name itself and use the Edit button on the group display page described in the previous section.

Group Name	Description	Provider	Members	Actions	
<a href="#">Administrator Group</a>	Local admin group for provider MMT_1	MMT_1	17	<a href="#">Edit</a>	<a href="#">Delete</a>
<a href="#">Avengers</a>	description description	MMT_1	2	<a href="#">Edit</a>	<a href="#">Delete</a>
<a href="#">Kathy Test Group 731</a>	description	MMT_1	3	<a href="#">Edit</a>	<a href="#">Delete</a>
<a href="#">Test Group 1 for MMT 911</a>	description	MMT_1	6	<a href="#">Edit</a>	<a href="#">Delete</a>

4. The Edit page for the group will be displayed. The Group Name may not be modified after the group has been created. However, you may modify the group description and/or the group membership

## Edit Kathy Test Group 731

**Name**

Group names cannot be modified after creation.

**Description**

244 Characters Remaining

**Members**

[Member not listed?](#)

5. To remove a member from the group, click on the 'x' to the left of the member name. To add a member to the group, position your cursor in the 'Members' box and begin typing the member's URS login id or URS name.

After you have typed 3 characters, the MMT will suggest members for you, and you can choose from the suggested member list.

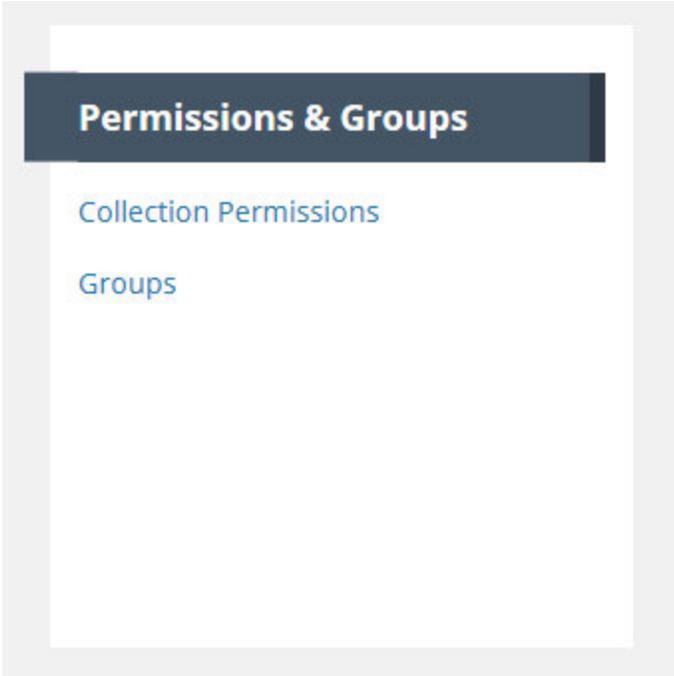
**Members**

- Catalino Cuadrado ccuadradotest1
- Catalino Cuadrado ccuadradotest

6. After you have finished editing the group, click on 'Submit' to save your changes.

## Delete a User Group

1. On the 'Manage CMR' dashboard, under 'Permissions & Groups', click on 'Groups'



2. A table of groups that you are permitted to see will be displayed. You may filter that table by Provider

**Refine Groups Listing**

or by User (group member)

**Refine Groups Listing**

Click on 'Apply Filters' to filter the table.

3. From the resulting table of groups, select the group you wish to delete by clicking on the 'Delete' Action in the row with the group name, OR you may click on the Group Name itself and use the Delete button on the group display page described in the 'Edit a Group' section of this User's Guide.

Group Name	Description	Provider	Members	Actions	
<a href="#">Administrator Group</a>	Local admin group for provider MMT_1	MMT_1	17	<a href="#">Edit</a>	<a href="#">Delete</a>
<a href="#">Avengers</a>	description description	MMT_1	2	<a href="#">Edit</a>	<a href="#">Delete</a>
<a href="#">Kathy Test Group 731</a>	description	MMT_1	3	<a href="#">Edit</a>	<a href="#">Delete</a>
<a href="#">Test Group 1 for MMT 911</a>	description	MMT_1	6	<a href="#">Edit</a>	<a href="#">Delete</a>

4. You will see a pop-up message asking you to confirm the group deletion:



5. Click on Yes to delete the group. The MMT will then display a 'Group successfully deleted.' message, and the group will no longer appear in the table of groups for your provider.



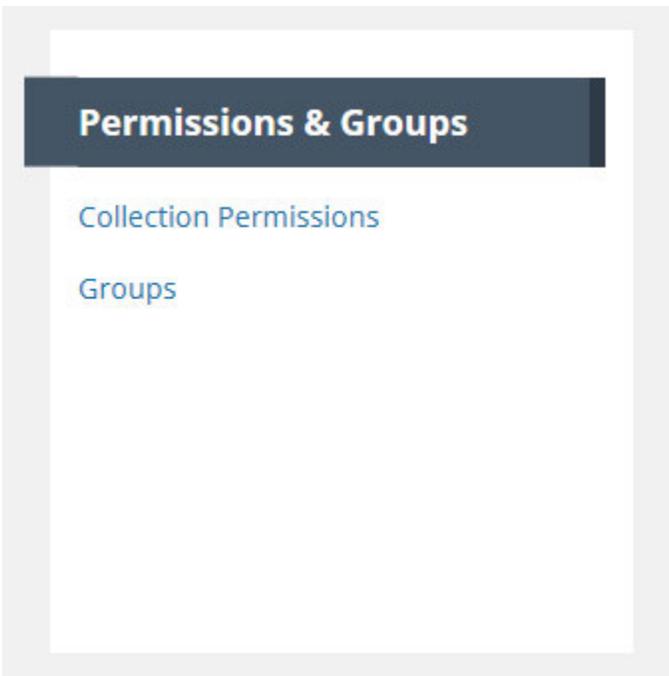
## Manage collection and granule permissions for my provider

### Recommended set-up for a provider:

1. An 'All Collections' permission to be set-up by the OPS team, granting Search and Order permissions for All Collections for the provider to members of one or more 'privileged' groups, e.g., the Administrators group
2. An 'All Granules' permission to be set-up by the OPS team, granting Search and Order permissions for All Collections for the provider to members of one or more 'privileged' groups, e.g., the Administrators group
3. Permissions for only 'Selected Collections' - to be set up by the provider Administrator, granting search and order permissions for a specified set of provider collections and/or granules to members of a provider group. Common examples are: 1) 'Public Collections' permissions which grant search and order permissions to a set of provider collections and/or granules to All Registered Users; and 2) <instrument> permissions which grant search and order permissions to collections from a specific instrument to a group of instrument scientists.

### Define user permissions for a set of collections for my provider

1. On the 'Manage CMR' dashboard, under 'Permissions & Groups', click on 'Collection Permissions'



2. On the Collection Permissions page, click on 'Create a Permission'.

# Collection Permissions

## Create a Permission

3. Name your collection permission (it is recommended to choose a name descriptive of the type of permission and the type of collections to which the permission applies), and select whether the permission applies to collections, granules, or both.

**Name**  
Search and Order Permission for ASTER Collections

**Apply Permission To:**  
 Collections  Granules

4. Click on the 'Selected Collections' radio button, and assign collections to your permission.

Choose specific collections to which the permission applies, by highlighting collection names on the left side of the collection 'chooser' and clicking on the '+' to add the collection to the permission. You may use the SHIFT key to highlight multiple collections at one time.

To remove a collection from the permission, highlight the collection name on the right side of the chooser, and click on the '-' to remove it. You may highlight more than one collection on the right and click on the trashcan icon to remove all highlighted collections from the permission.

**Collection Selection**  
 All Collections  Selected Collections

**Available Collections**  
Enter text to narrow search results

- 15-16-demo\_1 | Sprint 15-16 Demo
- 708 Short\_2 | Mark's Test Again
- another 697 test\_2 | testing ticket 697
- AST\_L1A\_1 | ASTER Level 1A
- AST\_L1AE\_003 | ASTER L1A Expedited**
- AST\_L1T\_18 | ASTER Level 1 precision terrain corrected register

**Selected Collections (24)**  
Enter text to narrow selected items

- 15-16-demo\_1 | Sprint 15-16 Demo
- 708 Short\_2 | Mark's Test Again
- AST\_L1A\_1 | ASTER Level 1A
- AST\_L1AE\_003 | ASTER L1A Expedited**
- Charles Test Failures\_3.3.3 | Charles Test Failures long title
- dif10\_datasetéñ1\_001 | DIF10\_dasatét1

5. OPTIONAL: Further qualify the collections or granules in the permission by specifying only collections with Access Constraint values in their metadata within a specified range. (use the Access Constraints subform on the Data Identification form to enter these values in a collection record using the MMT). Click on the 'Include Undefined' checkbox if you want to also include collections that have no value for Access Constraint.

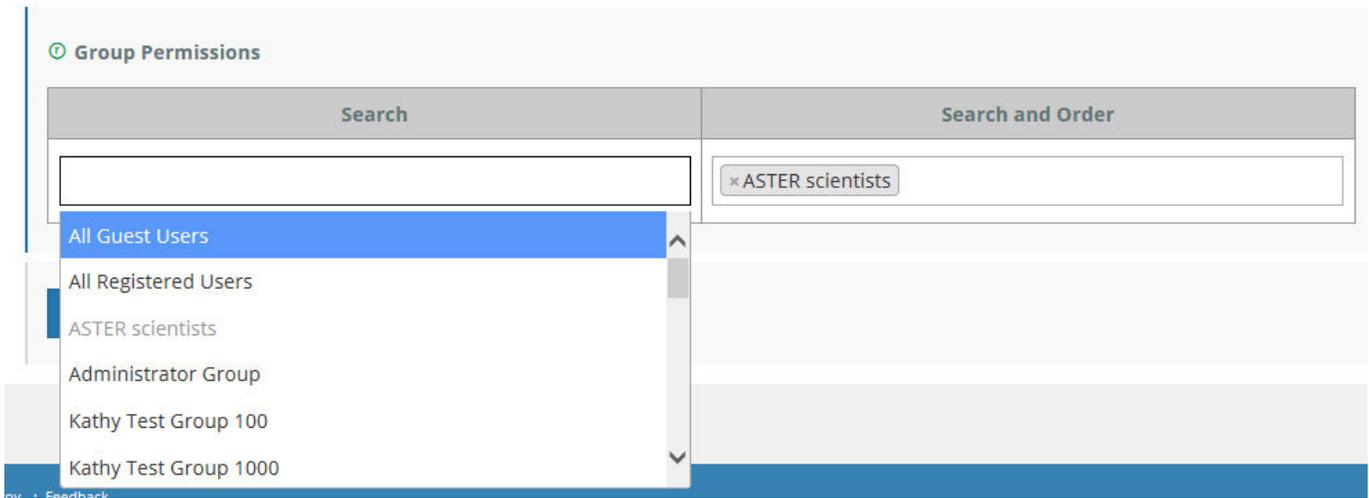
**Access Constraint Filter**

**Collections**  
 Minimum Value: 10  Maximum Value: 50  
 Include Undefined

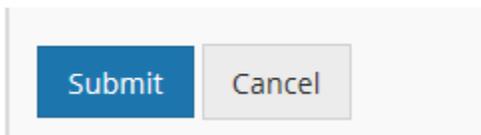
**Granules**  
 Minimum Value: 20  Maximum Value: 60  
 Include Undefined

6. Assign the groups of users who have Search or Search and Order permissions for these collections. (Search and Search and Order permissions apply when a user uses a client like Earthdata Search Client to search for a collection record and to order granules from that collection.) When you position your cursor in the Search box or in the Search and Order box, you will see a pull-down list of existing groups for your provider. The list will also include two standard 'system' groups: All Guest Users, and All Registered Users. (Registered Users are users who have an Earthdata Login account). If you choose a group for Search, that group will not be available to choose for Search and Order, and vice versa. Click on a group name under Search to give users in that group Search privileges for the collections in this permission. Click on a group name under Search and Order to give users in that group Search and Order privileges for the collections in this permission. You may select multiple groups for Search and multiple groups for Search and Order.

NOTE: One use case here is to allow All Registered Users or All Guest Users to search for and order granules in Version n+1 collections, but not allow those users to search for and order granules in Version n collections. To do this, create a Collection Permission with Selected Collections, choose only your Version n+1 collections, and choose the All Guest Users or All Registered Users group appropriately. Make sure that there is no permission that grants access to Version n collections to All Guest Users / All Registered Users.



7. Click Submit to create your collection permission.



8. You will see a green banner indicating that your collection permission was created successfully, and you will also see a display page for your collection permission.

Collection Permission was successfully created. 

## Search and Order Permission for ASTER Collections

Groups	Search	Order
<a href="#">ASTER scientists</a>		

### Collections

This permission grants its assigned groups access to 2 collections that have access constraint values between 10.0 and 50.0.

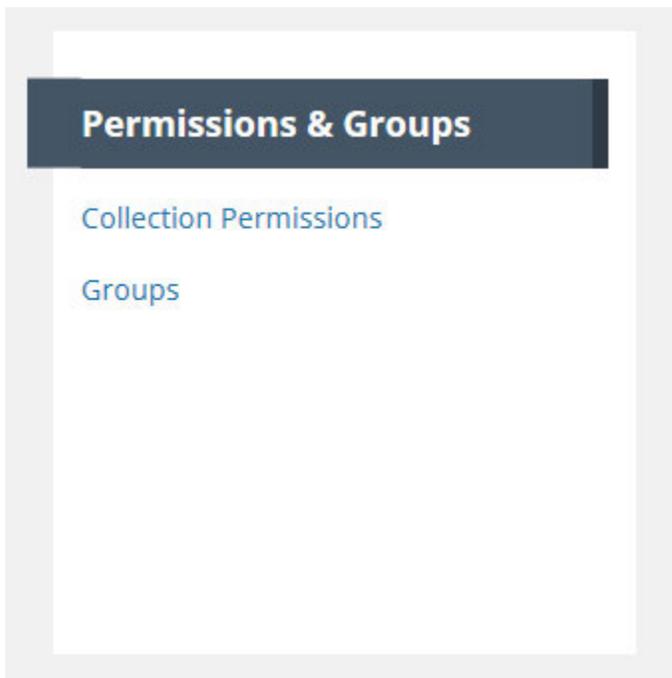
### Granules

This permission grants its assigned groups access to granules that have access constraint values between 20.0 and 60.0 that belong to the 2 selected collections that have access constraint values between 10.0 and 50.0.

Collection ^	Short Name ⇅	Version ⇅	Access Constraint ⇅
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<a href="#">ASTER Level 1 precision terrain corrected registered at-sensor radiance V004</a>	AST_L1T	198	
<a href="#">ASTER Level 1 precision terrain corrected registered at-sensor radiance V005</a>	AST_L1T	19	

## Edit users in a Collection Permission for my provider

1. On the 'Manage CMR' dashboard, under 'Permissions & Groups', click on 'Collection Permissions'



2. On the list of Collection Permissions for your provider, choose the Collection Permission you wish to update by clicking on the Edit Action in the row for the permission, or by clicking on the permission name, and then clicking the Edit button on the display page for the permission.

## Collection Permissions

Create a Permission

Showing all 14 Permissions

Permission Name	Actions	
All Collections	<a href="#">Edit</a>	<a href="#">Delete</a>
All Granules	<a href="#">Edit</a>	<a href="#">Delete</a>
Kathy Test ACL created in PUMP for MMT-941	<a href="#">Edit</a>	<a href="#">Delete</a>
Kathy TEST Permission 1111	<a href="#">Edit</a>	<a href="#">Delete</a>
Kathy Test Permission 2000	<a href="#">Edit</a>	<a href="#">Delete</a>
Kathy Test Permission 2222	<a href="#">Edit</a>	<a href="#">Delete</a>
Kathy Test Permission 223	<a href="#">Edit</a>	<a href="#">Delete</a>
Kathy Test Permission 509	<a href="#">Edit</a>	<a href="#">Delete</a>
Kathy Test Permission 731	<a href="#">Edit</a>	<a href="#">Delete</a>
Kathy Test Permission 922	<a href="#">Edit</a>	<a href="#">Delete</a>
Kathy Test Permission 944	<a href="#">Edit</a>	<a href="#">Delete</a>
Kathy Test Permission with Groups	<a href="#">Edit</a>	<a href="#">Delete</a>
Kathy's Admin Group Permission	<a href="#">Edit</a>	<a href="#">Delete</a>
Search and Order Permission for ASTER Collections	<a href="#">Edit</a>	<a href="#">Delete</a>

3. On the Edit page for the Collection Permission, at the bottom of the page in the 'Group Permissions' section, add or remove groups of users for the Collection Permission. To add a group for Search or Search and Order, place your cursor in the box under Search or Search and Order, and select an additional group from the pick list. To remove a group from Search or Search and Order, click the 'x' beside the group name.

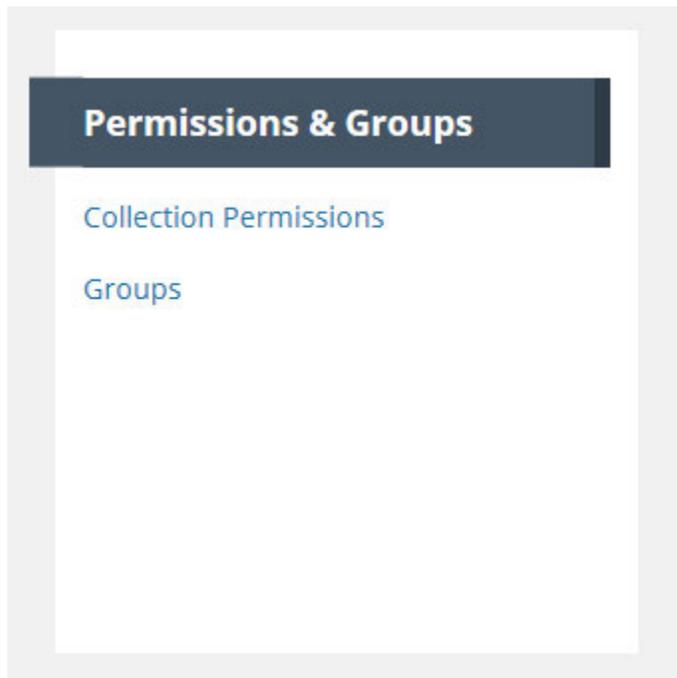
The screenshot shows the 'Group Permissions' section of the 'Edit' page. A dropdown menu is open, displaying a list of user groups. The 'Administrator Group' is currently selected. Below the dropdown, there are input fields for 'Search' and 'Search and Order'. The 'Search and Order' field contains the text 'Administrator Group' with a small 'x' icon to its left, indicating it can be removed. There are also checkboxes for 'Include Undefined' and a 'Clear Granule Filters' button.

4. Click on the Submit button at the bottom of the Edit page to save the changes to the Collection Permission.

The screenshot shows two buttons: a blue 'Submit' button and a grey 'Cancel' button.

## Edit collections in a Collection Permission for my provider

1. On the 'Manage CMR' dashboard, under 'Permissions & Groups', click on 'Collection Permissions'



2. On the list of Collection Permissions for your provider, choose the Collection Permission you wish to update by clicking on the Edit Action in the row for the permission, or by clicking on the permission name, and then clicking the Edit button on the display page for the permission.

## Collection Permissions

Create a Permission

Showing all 14 Permissions

Permission Name	Actions	
All Collections	<a href="#">Edit</a>	<a href="#">Delete</a>
All Granules	<a href="#">Edit</a>	<a href="#">Delete</a>
Kathy Test ACL created in PUMP for MMT-941	<a href="#">Edit</a>	<a href="#">Delete</a>
Kathy TEST Permission 1111	<a href="#">Edit</a>	<a href="#">Delete</a>
Kathy Test Permission 2000	<a href="#">Edit</a>	<a href="#">Delete</a>
Kathy Test Permission 2222	<a href="#">Edit</a>	<a href="#">Delete</a>
Kathy Test Permission 223	<a href="#">Edit</a>	<a href="#">Delete</a>
Kathy Test Permission 509	<a href="#">Edit</a>	<a href="#">Delete</a>
Kathy Test Permission 731	<a href="#">Edit</a>	<a href="#">Delete</a>
Kathy Test Permission 922	<a href="#">Edit</a>	<a href="#">Delete</a>
Kathy Test Permission 944	<a href="#">Edit</a>	<a href="#">Delete</a>
Kathy Test Permission with Groups	<a href="#">Edit</a>	<a href="#">Delete</a>
Kathy's Admin Group Permission	<a href="#">Edit</a>	<a href="#">Delete</a>
Search and Order Permission for ASTER Collections	<a href="#">Edit</a>	<a href="#">Delete</a>

3. On the Edit page for the Collection Permission, in the 'Collection Selection' section, use the collection chooser to add or collections from the Collection Permission.

**Collection Selection**

All Collections  Selected Collections

**Available Collections**

  
15-16-demo\_1 | Sprint 15-16 Demo  
708 Short\_2 | Mark's Test Again  
another 697 test\_2 | testing ticket 697  
AST\_L1A\_1 | ASTER Level 1A

**Selected Collections (24)**

  
15-16-demo\_1 | Sprint 15-16 Demo  
708 Short\_2 | Mark's Test Again  
AST\_L1A\_1 | ASTER Level 1A  
AST\_L1AE\_003 | ASTER L1A Expedited

4. Click on the Submit button at the bottom of the Edit page to save the changes to the Collection Permission.

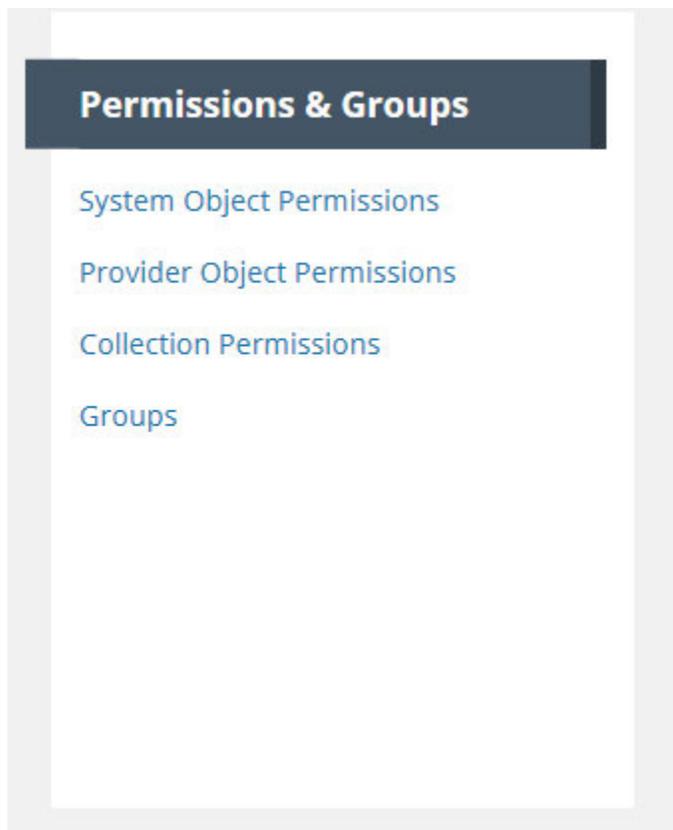
## Manage 'Provider Object Permissions' for a user group

NOTE: You must have Administrator privileges for your provider to perform this operation.

For a description of what Provider Object Permissions mean, and how they should be set, see:

[CMR Data Partner User Guide#ProviderObjectsvs.CatalogItems](#)

1. On the 'Manage CMR' dashboard, under 'Permissions & Groups', click on 'Provider Object Permissions'



2. A table showing all Groups for your provider will be displayed:

## Provider Object Permissions

---

Click on a Group to access the provider object permissions for that group.

Showing **all 25** Groups

Name	Description	Provider	Members
<a href="#">ASTER scientists</a>	group of ASTER scientists who can search and order all ASTER collections	MMT_1	1
<a href="#">Administrator Group</a>	Local admin group for provider MMT_1	MMT_1	16
<a href="#">Kathy Test Group 100</a>	testing GES DIS issue	MMT_1	5
<a href="#">Kathy Test Group 1000</a>	testing a group with no permissions	MMT_1	2
<a href="#">Kathy Test Group 200</a>	description of test group 200	MMT_1	4
<a href="#">Kathy Test Group 2000</a>	desc	MMT_1	3
<a href="#">Kathy Test Group 500</a>	description	MMT_1	4
<a href="#">Kathy Test Group 736</a>	group created for testing MMT-736	MMT_1	2
<a href="#">Kathy Test Group 736-1</a>	created for testing MMT-736	MMT_1	2
<a href="#">kathy test group 1.43.15</a>	desc	MMT_1	2

3. Click on the Name of a group in the table to edit the Provider Object Permissions for that group. A table of Provider Objects for that group, with Create, Read, Update, and Delete permissions, will be displayed. Check all appropriate boxes in the table and then click the 'Submit' button at the bottom of the page to save the changes.

## Kathy Test Group 100 Provider Object Permissions

Set permissions for the Kathy Test Group 100 group by checking the appropriate boxes below and clicking 'Submit'.

Check/Uncheck all permissions

Provider Object ^	Create	Read	Update	Delete
Audit Reports	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Authenticator Definitions	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Catalog Item ACLs	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Data Quality Summary Assignments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Data Quality Summary Definitions	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Dataset Information	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Extended Services	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Groups	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Ingest Operations	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Option Assignments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Option Definition Deprecations	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Option Definitions	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Provider Calendar Event	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Provider Context	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Provider Holdings	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Provider Information	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Provider Object ACLs	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Provider Order Acceptances	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Provider Order Closures	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Provider Order Rejections	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Provider Order Resubmissions	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Provider Order Tracking IDs	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Provider Orders	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Provider Policies	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Users	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

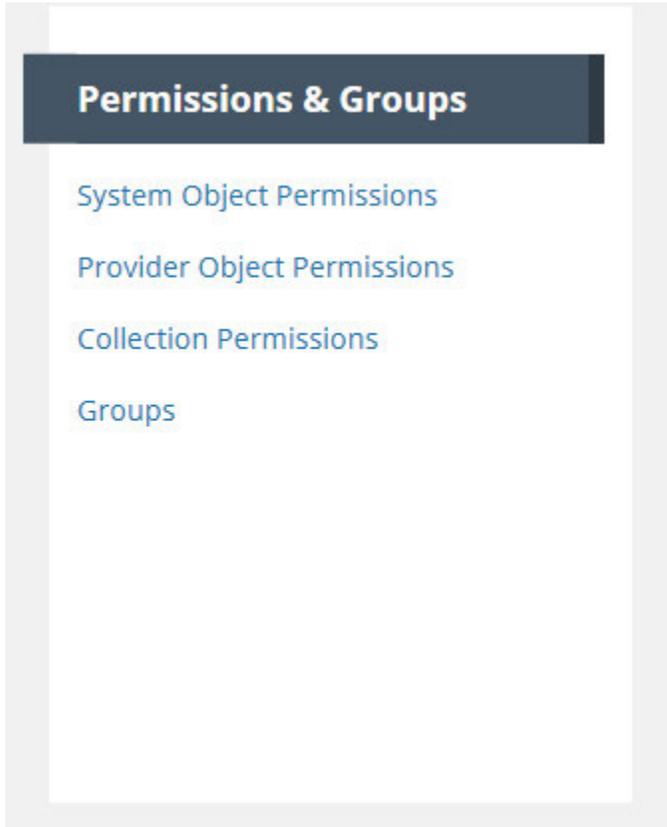
Submit

Cancel

## Manage 'System Object Permissions' for a user group

NOTE: You must have System Administrator privileges to perform this operation.

1. On the 'Manage CMR' dashboard, under 'Permissions & Groups', click on 'System Object Permissions'

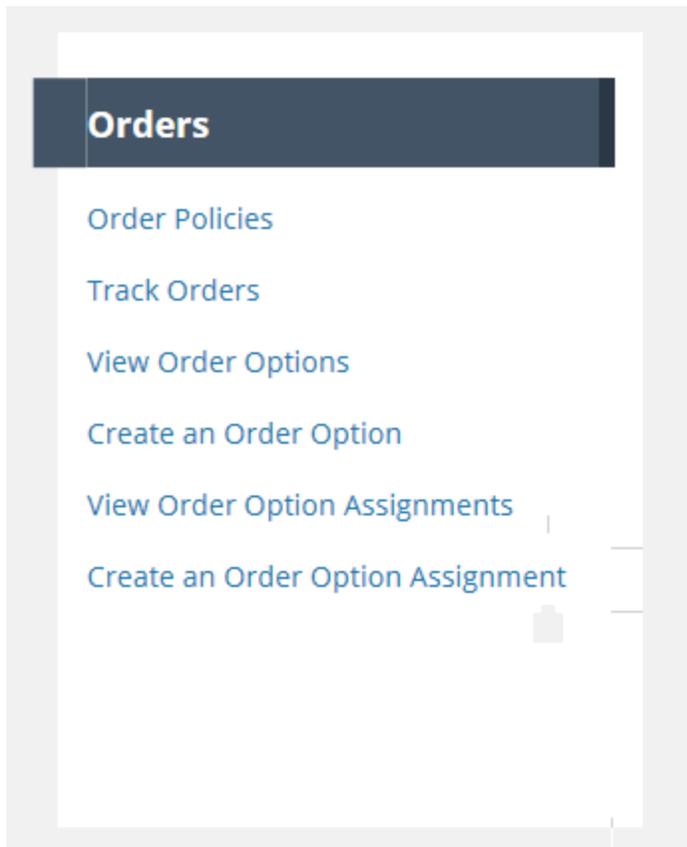


Manage Ordering for my provider

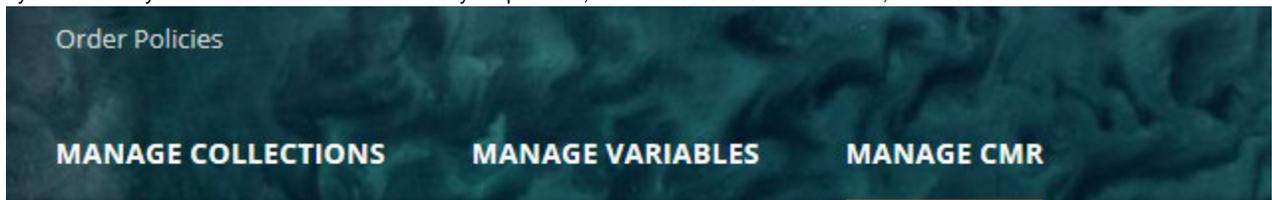
**Manage Order Policies for my provider**

**Create Order Policies for my provider**

1. On the 'Manage CMR' dashboard, under 'Orders', click on 'Order Policies'



2. If you have not yet defined the Order Policies for your provider, click on 'Create Order Policies',



## EDF\_DEV07 Order Policies

---

Create Order Policies

3. Enter the order policies for your provider. All required fields must be filled in.

## New EDF\_DEV07 Order Policies

### Retry Information

Retry Attempts

Number of times that CMR will try to connect to the provider if the transmission fails.

Retry Wait Time

Amount of time (in seconds) that CMR will wait before trying to connect.

### Order Transactions

Support Canceling Transactions

Order submission is supported by default.

#### Status Update Notifications

Always send status updates

### Routing Location

End Point

#### Suspend Ordering Until

### Order Catalog Items

Select collections for which duplicate catalog items will be allowed.

Available Collections		Selected Collections
<input type="text" value="Enter text to narrow search results"/>		<input type="text" value="Enter text to narrow selected items"/>
1024_0_IPEV_FR   1024 Reindeer herders festival in Eveno-byta	<input type="button" value="+"/> <input type="button" value="-"/> <input type="button" value="🗑"/>	
1162_4_IPEV_FR   Adult integument colour - MDO Alaska		
12-hourly_interpolated_surface_position_from_buoys   12-Hou		
12-hourly_interpolated_surface_velocity_from_buoys   12-Hou		
12_hourly_interpolated_surface_air_pressure_from_buoys   12		
14c_of_soil_co2_from_ipy_itex_cross_site_comparison   14C of		
1991_DTM   1991 Dublin Transport Model		
1994-1997_S_GW_GG04_AN_ISOTOPE   A Preliminary Study on		
1996-1997_13-13_S_OC_OC05_LO_O011301_000_R0_Y   1996-1		
1996_DTM   1996 Dublin Transport Model		
Showing 500 of 17284 items		

### Maximum Items Per Order

The maximum number of items that a user can have in a single order. This value is the total quantity of items. If left blank, there is no maximum enforced.

### SSL Policy Certificate

SSL Enabled

### Custom Properties

4. Click Submit to save the Order Policies.

## Update Order Policies for my provider

1. On the 'Manage CMR' dashboard, under 'Orders', click on 'Order Policies'

## Orders

[Order Policies](#)

[Track Orders](#)

[View Order Options](#)

[Create an Order Option](#)

[View Order Option Assignments](#)

[Create an Order Option Assignment](#)

2. The Order Policies for your provider will be displayed.

## DEV07 Order Policies

<b>Retry Information</b> Retry Attempts: 1 Retry Wait Time: 30	<b>Routing Location</b> End Point: https://f5eil01.edn.ecs.nasa.gov/EWOC_DE Suspend Ordering Until: Ordering Not Suspended	<b>Order Transactions Supported</b> SUBMIT Always Send Status Updates: No
--	---	---

## Order Catalog Items

Collection ^	Short Name ⇅	Version ⇅
This order policy has no selected order catalog items.		

Maximum Items Per Order: No Maximum

## SSL Policy

Status: Enabled

Last Updated: Monday, May 22, 2017 at 2:39 pm

## Custom Properties

This order policy contains no custom properties

Edit	Test Endpoint Connection	Delete
------	--------------------------	--------

3. Click on the Edit button to edit the policies. Click on Submit when finished with the edits.

## Delete Order Policies for my provider.

1. On the 'Manage CMR' dashboard, under 'Orders', click on 'Order Policies'

## Orders

Order Policies

Track Orders

View Order Options

Create an Order Option

View Order Option Assignments

Create an Order Option Assignment

2. The Order Policies for your provider will be displayed.

## DEV07 Order Policies

<b>Retry Information</b> Retry Attempts: 1 Retry Wait Time: 30	<b>Routing Location</b> End Point: https://f5eil01.edn.ecs.nasa.gov/EWOC_DE Suspend Ordering Until: Ordering Not Suspended	<b>Order Transactions Supported</b> SUBMIT Always Send Status Updates: No
--	---	---

## Order Catalog Items

Collection ^	Short Name ⇅	Version ⇅
This order policy has no selected order catalog items.		

Maximum Items Per Order: No Maximum

## SSL Policy

Status: Enabled

Last Updated: Monday, May 22, 2017 at 2:39 pm

## Custom Properties

This order policy contains no custom properties

3. Click on 'Delete' to delete the order policies for your provider. You will be prompted to confirm the deletion:

✕

Are you sure you want to delete the order policies for DEV07?

4. Click 'Yes' to delete the Order Policies for your provider.

## Test Routing Location Endpoint Connection for my provider orders

1. On the 'Manage CMR' dashboard, under 'Orders', click on 'Order Policies'

## Orders

Order Policies

Track Orders

View Order Options

Create an Order Option

View Order Option Assignments

Create an Order Option Assignment

2. The Order Policies for your provider will be displayed.

## DEV07 Order Policies

<b>Retry Information</b> Retry Attempts: 1 Retry Wait Time: 30	<b>Routing Location</b> End Point: https://f5eil01.edn.ecs.nasa.gov/EWOC_DE Suspend Ordering Until: Ordering Not Suspended	<b>Order Transactions Supported</b> SUBMIT Always Send Status Updates: No
--	---	---

## Order Catalog Items

Collection ^	Short Name ⇅	Version ⇅
This order policy has no selected order catalog items.		

Maximum Items Per Order: No Maximum

## SSL Policy

Status: Enabled

Last Updated: Monday, May 22, 2017 at 2:39 pm

## Custom Properties

This order policy contains no custom properties

Edit	Test Endpoint Connection	Delete
------	--------------------------	--------

3. Click on 'Test Endpoint Connection'. The MMT will test the endpoint that you have entered under Routing Location, and display a pop-up message indicating whether the endpoint connection was successful or not.

Test endpoint connection was successful. ✕

Ok

## Track Orders for my provider

1. On the 'Manage CMR' dashboard, under 'Orders', click on 'Track Orders'.

## Orders

Order Policies

Track Orders

View Order Options

Create an Order Option

View Order Option Assignments

Create an Order Option Assignment

2. Search for Orders for your provider either by: a) entering an Order GUID and clicking on the Submit button below the Order GUID; or b) entering a combination of order state, user ID, and date/time filters and clicking on the Submit button below the date/time filters.

## DEV07 Orders

**Order GUID**

If you do not know your order guid you can search for your order below.

**Submit**

### Order Search

**Filter by Order State**

VALIDATED  
NOT\_VALIDATED  
QUOTING  
QUOTE\_REJECTED

**Filter by User ID**

**Filter by Date/Time of**

Select a date type

**From** **To**

YYYY-MM-DDTHH:MM:SS

YYYY-MM-DDTHH:MM:SS

**Submit**

3. The MMT will display a table of orders for your provider which satisfy the search criteria.

## DEV07 Orders

State	Created	Submitted	Updated	Owner	Contact Name	
SUBMITTED_WITH_EXCEPTIONS	Monday, July 24, 2017 at 6:44 pm	Monday, July 24, 2017 at 6:45 pm	Monday, July 24, 2017 at 6:46 pm		Kathleen Carr	<a href="#">View Provider Order</a>
CLOSED	Monday, July 24, 2017 at 8:03 pm	Monday, July 24, 2017 at 8:04 pm	Monday, July 24, 2017 at 8:06 pm		Kathleen Carr	<a href="#">View Provider Order</a>
CLOSED	Monday, July 24, 2017 at 8:37 pm	Monday, July 24, 2017 at 8:40 pm	Monday, July 24, 2017 at 8:42 pm		Kathleen Carr	<a href="#">View Provider Order</a>
NOT_VALIDATED	Tuesday, July 25, 2017 at 3:15 pm		Tuesday, July 25, 2017 at 3:20 pm	kathleen.carr		<a href="#">View Provider Order</a>
CLOSED	Tuesday, July 25, 2017 at 3:44 pm	Tuesday, July 25, 2017 at 3:45 pm	Tuesday, July 25, 2017 at 3:46 pm	kathleen.carr	Kathleen Carr	<a href="#">View Provider Order</a>
CLOSED	Tuesday, July 25, 2017 at 3:50 pm	Tuesday, July 25, 2017 at 3:50 pm	Tuesday, July 25, 2017 at 3:52 pm	kathleen.carr	Kathleen Carr	<a href="#">View Provider Order</a>
CLOSED	Tuesday, July 25, 2017 at 4:21 pm	Tuesday, July 25, 2017 at 4:23 pm	Tuesday, July 25, 2017 at 4:24 pm	kathleen.carr	Kathleen Carr	<a href="#">View Provider Order</a>

4. Click on 'View Provider Order' for any order in the table, to get more information about that order.

## Provider Order

Order Guid:	799F7EFE-0011-3EB7-A963-D1BCB9AE2031
Provider ID:	DEV07
Tracking ID:	0600030564
Provider Order State:	CLOSED <a href="#">Resubmit</a>
Closed Date:	Tuesday, July 25, 2017 at 3:46 pm

## Catalog Items

Catalog Item	Status	Data Granule ID	Local Granule ID	Option Selection
G1200230942-DEV07	NOT_SET	SC:ATL03.001:129539	ATL03_20201221T092650_04870102_999_01.h5	NOT_SET
G1200230945-DEV07	NOT_SET	SC:ATL03.001:129556	ATL03_20201221T091110_04870101_999_01.h5	NOT_SET

## Status Messages

- **Tuesday, July 25, 2017 at 3:45 pm:** ECHO: Transitioning from state [null] to state [NOT\_VALIDATED]
- **Tuesday, July 25, 2017 at 3:45 pm:** ECHO: Transitioning from state [NOT\_VALIDATED] to state [VALIDATED]
- **Tuesday, July 25, 2017 at 3:45 pm:** ECHO: Transitioning from state [VALIDATED] to state [SUBMITTING]
- **Tuesday, July 25, 2017 at 3:45 pm:** Order received
- **Tuesday, July 25, 2017 at 3:45 pm:** ECHO: Transitioning from state [SUBMITTING] to state [PROCESSING]
- **Tuesday, July 25, 2017 at 3:46 pm:** Shipped
- **Tuesday, July 25, 2017 at 3:46 pm:** ECHO: Transitioning from state [PROCESSING] to state [CLOSED]

## Resubmit a Closed Order for my provider

1. Find the Order using the instructions for 'Track Orders for my provider' above.
2. Click on 'View Provider Order' for the CLOSED order you wish to resubmit.
3. On the Order details page, click on 'Resubmit' beside the order state.

Provider Order State:	CLOSED <a href="#">Resubmit</a>
-----------------------	---------------------------------

## Manage Order Options for my provider

### Create an Order Option

1. On the 'Manage CMR' dashboard, under 'Orders', click on 'Create an Order Option'. Or click on 'View Order Options', and on the display page for the order options, click on the 'Create an Order Option' button.

## Orders

[Order Policies](#)

[Track Orders](#)

[View Order Options](#)

[Create an Order Option](#)

[View Order Option Assignments](#)

[Create an Order Option Assignment](#)

2. On the Order Option creation page, fill in all required fields for the Order Option, including the Order Form XML, and click on Submit.

## New DEV07 Order Option

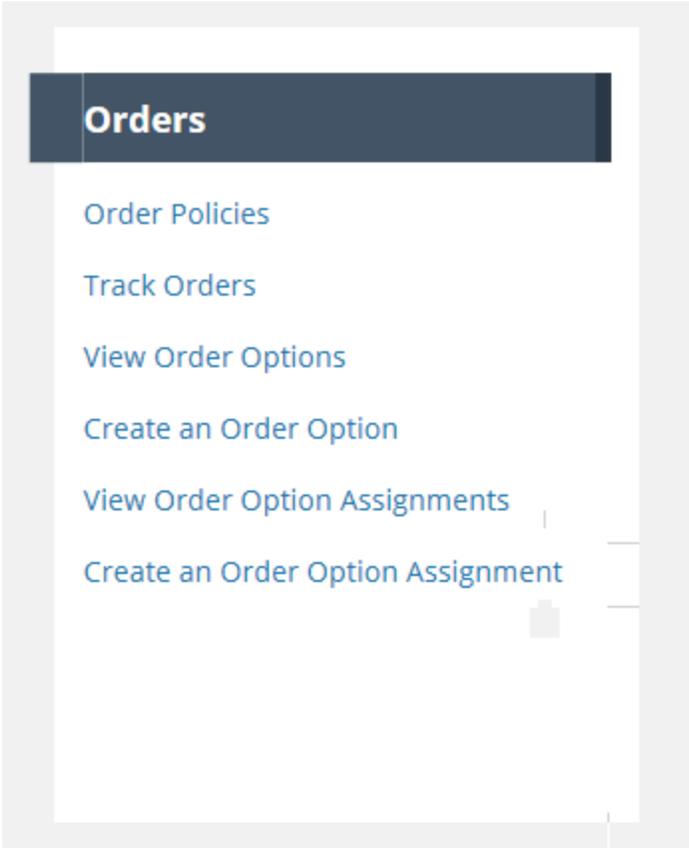
<b>Name</b>	<input type="text"/>	<b>Sort Key</b>	<input type="text"/>
<b>Description</b>	<input type="text"/>		
<b>Form XML</b>	<input type="text"/>		
<input type="button" value="Submit"/>	<input type="button" value="Cancel"/>		

3. The MMT will display a status message which indicates the success or failure of your order option creation.

Order Option was successfully created. 

### Find an Order Option

1. On the 'Manage CMR' dashboard, under 'Orders', click on 'View Order Options'



2. A table of Order Options for your provider will be displayed.



## DEV07 Order Options

[Create an Order Option](#)

Showing Order Options **1 - 25** of **197**

Name	Scope	Deprecated?	Last Update	Actions		
<a href="#">AE_DyOcn.1 Order</a>	Provider	False	Wednesday, April 12, 2017 at 5:39 pm	<a href="#">Edit</a>	<a href="#">Deprecate</a>	<a href="#">Delete</a>
<a href="#">AE_DyOcn.2 Order</a>	Provider	False	Friday, August 04, 2017 at 6:06 pm	<a href="#">Edit</a>	<a href="#">Deprecate</a>	<a href="#">Delete</a>
<a href="#">AE_DySno.1 Order</a>	Provider	False	Wednesday, April 12, 2017 at 5:39 pm	<a href="#">Edit</a>	<a href="#">Deprecate</a>	<a href="#">Delete</a>
<a href="#">AE_DySno.2 Order</a>	Provider	False	Wednesday, July 19, 2017 at 12:37 pm	<a href="#">Edit</a>	<a href="#">Deprecate</a>	<a href="#">Delete</a>
<a href="#">AE_L2A.2 Order</a>	Provider	False	Tuesday, July 18, 2017 at 8:25 pm	<a href="#">Edit</a>	<a href="#">Deprecate</a>	<a href="#">Delete</a>
<a href="#">AE_L2A.3 Order</a>	Provider	False	Tuesday, July 18, 2017 at 8:25 pm	<a href="#">Edit</a>	<a href="#">Deprecate</a>	<a href="#">Delete</a>
<a href="#">AE_Land3.2 Order</a>	Provider	False	Tuesday, July 18, 2017 at 8:25 pm	<a href="#">Edit</a>	<a href="#">Deprecate</a>	<a href="#">Delete</a>

3. Click on the Order Option name to see the display page for that Order Option.

## AE\_DyOcn.1 Order

**Last Update:** Never Updated | **Scope:** PROVIDER | **Deprecated:** false | **Sort Key:** n/a

**Description:** ECHO Service/Order form for DataSet "AMSR-E/Aqua Daily L3 Global Ascending/Descending .25x.25 deg Ocean Grids V001" (AE\_DyOcn.1) Updated: 2017/04/12: 13:39:48

**Form XML:**

```
<form xmlns="http://echo.nasa.gov/v9/echoforms" xmlns:forms="http://echo.nasa.gov/v9/echoforms"
xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" targetNamespace="http://ecs.nasa.gov/options"
xsi:schemaLocation="http://echo.nasa.gov/v9/echoforms http://api.echo.nasa.gov/echo/wsd/EchoForms.xsd"><!--
ECHO Service/Order form for DataSet "AMSR-E/Aqua Daily L3 Global Ascending/Descending .25x.25 deg Ocean Grids
```

### Update an Order Option

1. Find order options for your provider using the instructions for 'Find an Order Option' above.
2. Click on the 'Edit' action in the row for the Order Option you wish to edit, or click on the name of the Order Option you wish to edit, and then click on the Edit button on the Order Option display page.
3. The Edit page for the Order Option will be displayed.



### Editing AE\_DyOcn.1 Order

<b>Name</b>	<b>Sort Key</b>
<input type="text" value="AE_DyOcn.1 Order"/>	<input type="text"/>
You must change the name of this option definition when updating it.	
<b>Description</b>	
<input (ae_dyocn.1)="" .25x.25="" 04="" 12:="" 13:39:48"="" 2017="" amsr-e="" aqua="" ascending="" daily="" deg="" descending="" global="" grids="" l3="" ocean="" type="text" updated:="" v001\"="" value="ECHO Service/Order form for DataSet \"/>	
<b>Form XML</b>	
<input (ae_dyocn.1)="" --&gt;&lt;model&gt;&lt;instance&gt;&lt;ecs:options="" .25x.25="" \"amsr-e="" api.echo.nasa.gov="" aqua="" ascending="" daily="" dataset="" deg="" descending="" echo="" echo.nasa.gov="" echoforms.xsd\"&gt;&lt;!--="" echoforms\"="" for="" form="" global="" grids="" http:="" l3="" ocean="" order="" service="" targetnamespace='\"http://ecs.nasa.gov/options\"' type="text" v001\"="" v9="" value="&lt;form xmlns=\" wsd="" xmlns='\"http://ecs.nasa.gov/options\"&gt;&lt;ecs:mediatype&gt;&lt;ecs:value&gt;FtpPull&lt;/ecs:value&gt;&lt;/ecs:mediatype&gt;&lt;ecs:mediaformat&gt;&lt;ecs:ftppull-format&gt;&lt;ecs:value&gt;FILEFORMAT&lt;/ecs:value&gt;&lt;/ecs:ftppull-format&gt;&lt;ecs:ftppush-format&gt;&lt;ecs:value&gt;FILEFORMAT&lt;/ecs:value&gt;&lt;/ecs:ftppush-format&gt;&lt;/ecs:mediaformat&gt;&lt;ecs:ftppush&gt;&lt;ecs:user/&gt;&lt;ecs:password/&gt;&lt;ecs:host/&gt;&lt;ecs:directory/&gt;&lt;ecs:user-"/' xmlns:ecs='\"http://ecs.nasa.gov/options\"&gt;&lt;ecs:distribution' xmlns:forms='\"http://echo.nasa.gov/v9/echoforms\"' xmlns:xs='\"http://www.w3.org/2001/XMLSchema\"' xmlns:xsd='\"http://www.w3.org/2001/XMLSchema\"' xmlns:xsi='\"http://www.w3.org/2001/XMLSchema-instance\"' xsi:schemalocation='\"http://echo.nasa.gov/v9/echoforms'/>	
<input type="button" value="Submit"/>	<input type="button" value="Cancel"/>

4. Edit the fields you wish to change, and click on Submit to save the changes. NOTE: YOU MUST CHANGE THE NAME OF THE ORDER OPTION WHEN EDITING IT. THE ORDER OPTION WITH THE ORIGINAL NAME WILL BE DEPRECATED.

5. The MMT will display a status message which indicates the success or failure of your order option update.

Order Option was successfully updated. ✖

## Delete an Order Option

1. Find order options for your provider using the instructions for 'Find an Order Option' above.
2. Click on the 'Delete' action in the row for the Order Option you wish to delete, or click on the name of the Order Option you wish to delete, and then click on the Delete button on the Order Option display page.
3. You will be prompted to confirm the deletion of the order option. Click Yes to delete, or click No to avoid the deletion.

Are you sure you want to delete the order option named 'Test Order Option?' ✖

No

Yes

## Deprecate an Order Option

1. Find order options for your provider using the instructions for 'Find an Order Option' above.
2. Click on the 'Deprecate' action in the row for the Order Option you wish to deprecate, or click on the name of the Order Option you wish to deprecate, and then click on the Deprecate button on the Order Option display page.
3. You will be prompted to confirm the deprecation of the order option. Click Yes to deprecate, or click No to avoid the deprecation.

Are you sure you want to deprecate the order option named 'Test Order Option - version 2'? This action cannot be undone. ✖

No

Yes

## Assign an Order Option to Collections

1. On the 'Manage CMR' dashboard, under 'Orders', click on 'Create an Order Option Assignment'. Or click on 'View Order Option Assignments', and click on the 'Create an Order Option Assignment' on the resulting 'Order Option Assignments' page.

## Orders

[Order Policies](#)

[Track Orders](#)

[View Order Options](#)

[Create an Order Option](#)

[View Order Option Assignments](#)

[Create an Order Option Assignment](#)

2. On the Order Option Assignments page, choose an existing order option from the Option Definition pull-down, and then choose one or more collections to assign to the order option by using the Available Collections chooser. You may filter the list of Available Collections by typing a partial string in the input box above the collection list.

Click Submit to associate the selected Order Option with the selected collection(s).

## New DEV07 Order Option Assignments

**Option Definition**

AE\_DyOcn.1 Order

**Available Collections**

AE\_Dy|

AE\_DyOcn\_002 | AMSR-E/Aqua Daily L3 Global Ascending/Des  
AE\_DySno\_002 | AMSR-E/Aqua Daily L3 Global Snow Water Eq

Showing 2 of 2 items

**Selected Collections**

Enter text to narrow selected items

+  
-  
🗑️

**Submit**   Cancel

3. The MMT will display a status message which indicates the success or failure of your order option assignment.

### View existing Order Option to Collection assignments

1. On the 'Manage CMR' dashboard, under 'Orders', click on 'View Order Option Assignments'

## Orders

[Order Policies](#)

[Track Orders](#)

[View Order Options](#)

[Create an Order Option](#)

[View Order Option Assignments](#)

[Create an Order Option Assignment](#)

2. On the Order Option Assignments page, select collections whose Order Option Assignments you wish to view, using the Available Collection chooser, and click on 'Display Assignments'.

## DEV07 Order Option Assignments

Create an Order Option Assignment

## Manage Order Option Assignments

To view or remove currently assigned Order Options select the collections to view below.

**Available Collections**

- AE\_5DSno\_002 | AMSR-E/Aqua 5-Day L3 Global Snow Water E
- AE\_DyOcn\_002 | AMSR-E/Aqua Daily L3 Global Ascending/Des
- AE\_DySno\_002 | AMSR-E/Aqua Daily L3 Global Snow Water Eq
- AE\_L2A\_003 | AMSR-E/Aqua L2A Global Swath Spatially-Resam
- AE\_Land3\_002 | AMSR-E/Aqua Daily L3 Surface Soil Moisture,
- AE\_Land\_002 | AMSR-E/Aqua L2B Surface Soil Moisture, Ancill
- AE\_MoOcn\_002 | AMSR-E/Aqua Monthly L3 Global Ascending/
- AE\_MoSno\_002 | AMSR-E/Aqua Monthly L3 Global Snow Wate
- AE\_Ocean\_002 | AMSR-E/Aqua L2B Global Swath Ocean Produ
- AE\_Rain\_003 | AMSR-E/Aqua L2B Global Swath Surface Precip
- AE\_RnGd\_2 | AMSR-E/Aqua Monthly L3 5x5 deg Rainfall Accur
- AE\_SI12\_003 | AMSR-E/Aqua Daily L3 12.5 km Tb, Sea Ice Conc
- AE\_SI25\_3 | AMSR-E/Aqua Daily L3 25 km Tb and Sea Ice Conc
- AE\_SI6\_3 | AMSR-E/Aqua Daily L3 6.25 km 89 GHz Brightness T
- AE\_SID\_1 | AMSR-E/Aqua Daily L3 6.25 km Sea Ice Drift Polar C
- AE\_WkOcn\_002 | AMSR-E/Aqua Weekly L3 Global Ascending/D

Showing 16 of 16 items

**Selected Collections (3)**

- AE\_5DSno\_002 | AMSR-E/Aqua 5-Day L3 Global Snow Water E
- AE\_DyOcn\_002 | AMSR-E/Aqua Daily L3 Global Ascending/Des
- AE\_DySno\_002 | AMSR-E/Aqua Daily L3 Global Snow Water Eq

Showing 3 of 3 items

+

-

🗑️

Display Assignments

3. A table of selected Collections with their Order Option assignments will be displayed. Only selected collections which have Order Option assignments will be initially displayed in the table. Click the checkbox beside 'Include selected collections with no assigned options?' to see all selected collections in the table.

## DEV07 Order Option Assignments

 Include selected collections with no assigned options?

<input type="checkbox"/>	Collection ↕	Short Name ↕	Version ID ↕	Option Definition ↕
	AMSR-E/Aqua 5-Day L3 Global Snow Water Equivalent EASE-Grids V001	AE_5DSno	1	
	AMSR-E/Aqua 5-Day L3 Global Snow Water Equivalent EASE-Grids V002	AE_5DSno	002	
<input type="checkbox"/>	AMSR-E/Aqua Daily L3 Global Ascending/Descending .25x.25 deg Ocean Grids V001	AE_DyOcn	1	AE_DyOcn.1 Order
<input type="checkbox"/>	AMSR-E/Aqua Daily L3 Global Ascending/Descending .25x.25 deg Ocean Grids V002	AE_DyOcn	002	AE_DyOcn.2 Order

Select one or more collections.

Delete Selected Assignments

### Delete Order Option to Collection Assignments

1. Find order option assignments to specific collections using the instructions for 'View existing Order Option to Collection Assignments' above.
2. On the display table of Order Option to Collection Assignments, click the checkbox beside any Order Option to Collection Assignments that you wish to delete, and then click on 'Delete Selected Assignments'.
3. You will be prompted to confirm the deletion of the order option assignments. Click Yes to delete, or click No to avoid the deletion.

Are you sure you want to delete the order option assignments for the selected collections? ✕

No Yes

## Manage Services for my provider

### Manage Service Entries for my provider

#### Create a Service Implementation

1. On the 'Manage CMR' dashboard, under 'Service Management', click on 'Create a Service Entry'

## Service Management

[View Service Entries](#)

[Create a Service Entry](#)

[View Service Options](#)

[Create a Service Option](#)

[View Service Option Assignments](#)

[Create a Service Option Assignment](#)

2. On the Service Entries creation page, fill in the Name, URL, and Description of the Service Implementation, choose a Type of 'Service Implementation', choose an existing (system-controlled) Service Interface, and optionally associate Collections with the Service Implementation using the Available Collections chooser. Click on Submit to create the Service Implementation.

### New DEV07 Service Entry

**Name**

255 Characters Remaining

**URL**

4000 Characters Remaining

**Description**

4000 Characters Remaining

**Type**

Type cannot be modified after creation.

## Tags

Select collections to create virtual tags.

### Available Collections

- AA\_L2A\_1 | AMSR/ADEOS-II L2A Global Swath Spatially-Resam
- ACR3L0\_1 | ACRIM III Level 0 Data V001**
- ACR3L2DM\_001 | ACRIM III Level 2 Daily Mean Data V001
- ACR3L2DM\_255 | ACRIM III Level 2 Daily Mean Data V255
- ACR3L2SC\_1 | ACRIM III Level 2 Shutter Cycle Data V001
- ActSched\_1 | Detailed Activity Schedule V001
- AE\_5DSno\_002 | AMSR-E/Aqua 5-Day L3 Global Snow Water Ec
- AE\_DyOcn\_002 | AMSR-E/Aqua Daily L3 Global Ascending/Des
- AE\_DySno\_002 | AMSR-E/Aqua Daily L3 Global Snow Water Eq
- AE\_L2A\_003 | AMSR-E/Aqua L2A Global Swath Spatially-Resam
- AE\_Land3\_002 | AMSR-E/Aqua Daily L3 Surface Soil Moisture, I
- AE\_Land\_002 | AMSR-E/Aqua L2B Surface Soil Moisture, Ancilla
- AE\_MoOcn\_002 | AMSR-E/Aqua Monthly L3 Global Ascending/
- AE\_MoSno\_002 | AMSR-E/Aqua Monthly L3 Global Snow Water
- AE\_Ocean\_002 | AMSR-E/Aqua L2B Global Swath Ocean Produ

Showing 500 of 791 items

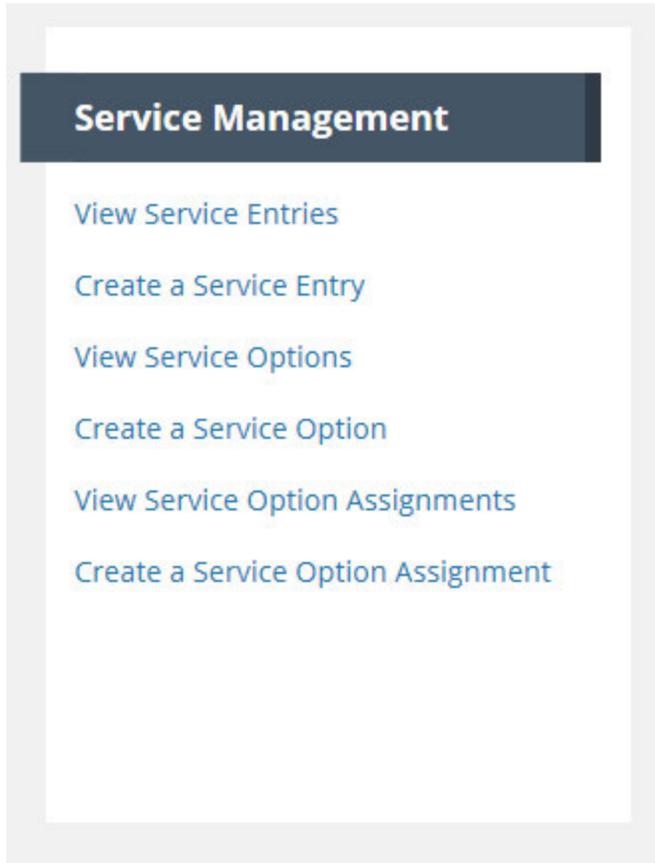
### Selected Collections

+  
-  
🗑️

3. The MMT will display a status message which indicates the success or failure of your service implementation creation.

## View Service Entries

1. On the 'Manage CMR' dashboard, under 'Service Management', click on 'View Service Entries'



2. Service Entries for your provider will be displayed.



## DEV07 Service Entries

[Create a Service Entry](#)

Showing 1 Service Entry

Name	URL	Type	Actions	
<a href="#">EDF_DEV07 EOSDIS Service Implementation</a>	<a href="https://f5e1l01.edn.ecs.nasa.gov/egi_DEV07/request">https://f5e1l01.edn.ecs.nasa.gov/egi_DEV07/request</a>	Service Implementation	<a href="#">Edit</a>	<a href="#">Delete</a>

## Update a Service Entry

1. Find service entries for your provider using the instructions for 'View Service Entries for my provider 'above.
2. Click on the 'Edit' action in the row for the Service Entry you wish to edit, or click on the name of the Service Entry you wish to edit, and then click on the Edit button on the Service Entry display page. NOTE: Providers are responsible for maintaining Service Entries of Type = Service Implementation. Service Entries of Type = Service Interface are system-controlled.
3. The Edit page for the Service Entry will be displayed.

### Editing EDF\_DEV07 EOSDIS Service Implementation

**Name**

EDF\_DEV07 EOSDIS Service Implementation

216 Characters Remaining

**URL**

https://f5eil01.edn.ecs.nasa.gov/egi\_DEV07/request

3950 Characters Remaining

**Description**

EDF\_DEV07 EOSDIS Service Implementation

3961 Characters Remaining

**Type**

Service Implementation

Type cannot be modified after creation.

**Service Interface**

EOSDIS Service Interface

## Tags

Select collections to create virtual tags.

Available Collections	Selected Collections (192)
<input type="text" value="Enter text to narrow search results"/>	<input type="text" value="Enter text to narrow selected items"/>
AA_L2A_1   AMSR/ADEOS-II L2A Global Swath Spatially-Resam ACR3L0_1   ACRIM III Level 0 Data V001 ACR3L2DM_001   ACRIM III Level 2 Daily Mean Data V001 ACR3L2DM_255   ACRIM III Level 2 Daily Mean Data V255 ACR3L2SC_1   ACRIM III Level 2 Shutter Cycle Data V001 ActSched_1   Detailed Activity Schedule V001 AE_5DSno_002   AMSR-E/Aqua 5-Day L3 Global Snow Water Et AE_DyOcn_002   AMSR-E/Aqua Daily L3 Global Ascending/Des AE_DySno_002   AMSR-E/Aqua Daily L3 Global Snow Water Eq AE_L2A_003   AMSR-E/Aqua L2A Global Swath Spatially-Resam AE_Land3_002   AMSR-E/Aqua Daily L3 Surface Soil Moisture, I AE_Land_002   AMSR-E/Aqua L2B Surface Soil Moisture, Ancill AE_MoOcn_002   AMSR-E/Aqua Monthly L3 Global Ascending/ AE_MoSno_002   AMSR-E/Aqua Monthly L3 Global Snow Wate AE_Ocean_002   AMSR-E/Aqua L2B Global Swath Ocean Produ	AE_5DSno_002   AMSR-E/Aqua 5-Day L3 Global Snow Water Et AE_DyOcn_002   AMSR-E/Aqua Daily L3 Global Ascending/Des AE_DySno_002   AMSR-E/Aqua Daily L3 Global Snow Water Eq AE_L2A_003   AMSR-E/Aqua L2A Global Swath Spatially-Resam AE_Land3_002   AMSR-E/Aqua Daily L3 Surface Soil Moisture, I AE_Land_002   AMSR-E/Aqua L2B Surface Soil Moisture, Ancill AE_MoOcn_002   AMSR-E/Aqua Monthly L3 Global Ascending/ AE_MoSno_002   AMSR-E/Aqua Monthly L3 Global Snow Wate AE_Ocean_002   AMSR-E/Aqua L2B Global Swath Ocean Produ AE_Rain_003   AMSR-E/Aqua L2B Global Swath Surface Precipi AE_RnGd_2   AMSR-E/Aqua Monthly L3 5x5 deg Rainfall Accun AE_S112_003   AMSR-E/Aqua Daily L3 12.5 km Tb, Sea Ice Conc AE_S125_3   AMSR-E/Aqua Daily L3 25 km Tb and Sea Ice Conc AE_S16_3   AMSR-E/Aqua Daily L3 6.25 km 89 GHz Brightness T AE_SID_1   AMSR-E/Aqua Daily L3 6.25 km Sea Ice Drift Polar C
Showing 500 of 791 items	Showing 192 of 192 items

4. Edit the fields you wish to change, and click on Submit to save the changes.
5. The MMT will display a status message which indicates the success or failure of your service entry update.

## Delete a Service Entry

1. Find service entries for your provider using the instructions for 'View Service Entries for my provider' above.
2. Click on the 'Delete' action in the row for the Service Entry you wish to delete, or click on the name of the Service Entry you wish to delete, and then click on the Delete button on the Service Entry display page. NOTE: Providers are responsible for maintaining Service Entries of Type = Service Implementation. Service Entries of Type = Service Interface are system-controlled.
3. You will be prompted to confirm the deletion of the service entry. Click Yes to delete, or click No to avoid the deletion.

Are you sure you want to delete the service entry named 'EDF\_DEV07 EOSDIS Service Implementation?' ✕

## Manage Service Options for my provider

### Create a Service Option

1. On the 'Manage CMR' dashboard, under 'Service Management', click on 'Create a Service Option'. Or click on 'View Service Options', and on the display page for the service options, click on the 'Create a Service Option' button.

## Service Management

[View Service Entries](#)

[Create a Service Entry](#)

[View Service Options](#)

[Create a Service Option](#)

[View Service Option Assignments](#)

[Create a Service Option Assignment](#)

2. On the Service Option creation page, fill in all required fields for the Service Option, including the Service Form XML, and click on Submit.

## New DEV07 Service Option

**Name**

  
**Description**  
**Form XML**  
 

3. The MMT will display a status message which indicates the success or failure of your service option creation.



### Find a Service Option

1. On the 'Manage CMR' dashboard, under 'Service Management', click on 'View Service Options'.

## Service Management

[View Service Entries](#)

[Create a Service Entry](#)

[View Service Options](#)

[Create a Service Option](#)

[View Service Option Assignments](#)

[Create a Service Option Assignment](#)

2. A table of Service Options for your provider will be displayed.



### DEV07 Service Options

[Create a Service Option](#)

Showing Service Options **1 - 25** of **183**

Name	Last Update	Actions	
<a href="#">AE_5DSno.1 ESI Service</a>	Tuesday, November 22, 2016 at 11:00 am	<a href="#">Edit</a>	<a href="#">Delete</a>
<a href="#">AE_DyOcn.1 ESI Service</a>	Wednesday, April 12, 2017 at 5:41 pm	<a href="#">Edit</a>	<a href="#">Delete</a>
<a href="#">AE_DyOcn.2 ESI Service</a>	Friday, August 04, 2017 at 6:06 pm	<a href="#">Edit</a>	<a href="#">Delete</a>
<a href="#">AE_DySno.1 ESI Service</a>	Wednesday, April 12, 2017 at 5:40 pm	<a href="#">Edit</a>	<a href="#">Delete</a>
<a href="#">AE_DySno.2 ESI Service</a>	Wednesday, July 19, 2017 at 12:37 pm	<a href="#">Edit</a>	<a href="#">Delete</a>
<a href="#">AE_Land.2 ESI Service</a>	Sunday, April 16, 2017 at 10:31 pm	<a href="#">Edit</a>	<a href="#">Delete</a>
<a href="#">AE_Land3.2 ESI Service</a>	Tuesday, July 18, 2017 at 8:25 pm	<a href="#">Edit</a>	<a href="#">Delete</a>
<a href="#">AE_MoSno.2 ESI Service</a>	Tuesday, July 18, 2017 at 8:26 pm	<a href="#">Edit</a>	<a href="#">Delete</a>
<a href="#">AE_Ocean.002.Service</a>	Saturday, April 15, 2017 at 4:16 pm	<a href="#">Edit</a>	<a href="#">Delete</a>

3. Click on the Service Option name to see the display page for that Service Option.



## AE\_5DSno.1 ESI Service

**Last Updated:** Tuesday, November 22, 2016 at 11:00 am

**Description:** ECHO ESI Order form for DataSet "AMSR-E/Aqua 5-Day L3 Global Snow Water Equivalent EASE-Grids V001" (AE\_5DSno.1)

### Form XML:

```
<form xmlns="http://echo.nasa.gov/v9/echoforms" xmlns:forms="http://echo.nasa.gov/v9/echoforms"
xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" targetNamespace="http://ecs.nasa.gov/options"
xsi:schemaLocation="http://echo.nasa.gov/v9/echoforms http://api.echo.nasa.gov/echo/wsd1/EchoForms.xsd">
  <!--
    ECHO Service/Order form for DataSet "AMSR-E/Aqua 5-Day L3 Global Snow Water Equivalent EASE-Grids
    V001" (AE_5DSno.1):
  -->
  <model>
    <instance>
      <ecs:request xmlns:ecs="http://ecs.nasa.gov/options">
        <!--NOTE: elements in caps losely match the ESI API, those in lowercase are helper elements -->
        <ecs:requestInfo>
          <ecs:email/>
        </ecs:requestInfo>
        <!--Dataset ID will be injected by Reverb-->
        <ecs:CLIENT>ESI</ecs:CLIENT>
        <!--First SubsetAgent in the input capabilities XML is used as the default.-->
        <ecs:SUBAGENT_ID>
          <ecs:value>HEG</ecs:value>
        </ecs:SUBAGENT_ID>
        <!-- hardcoded to async for Reverb services -->
        <ecs:REQUEST_MODE>async</ecs:REQUEST_MODE>
```

## Update a Service Option

1. Find service options for your provider using the instructions for 'Find a Service Option' above.
2. Click on the 'Edit' action in the row for the Service Option you wish to edit, or click on the name of the Service Option you wish to edit, and then click on the Edit button on the Service Option display page.
3. The Edit page for the Service Option will be displayed.

## Editing AE\_5DSno.1 ESI Service

**Name**

**Description**

**Form XML**

```
<form xmlns="http://echo.nasa.gov/v9/echoforms" xmlns:forms="http://echo.nasa.gov/v9/echoforms"
xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" targetNamespace="http://ecs.nasa.gov/options"
xsi:schemaLocation="http://echo.nasa.gov/v9/echoforms http://api.echo.nasa.gov/echo/wsd/EchoForms.xsd">
  <!--
    ECHO Service/Order form for DataSet \"AMSR-E/Aqua 5-Day L3 Global Snow Water Equivalent EASE-Grids V001\" (AE_5DSno.1):
  -->
  <model>
    <instance>
      <ecs:request xmlns:ecs="http://ecs.nasa.gov/options">
```

4. Edit the fields you wish to change, and click on Submit to save the changes.
5. The MMT will display a status message which indicates the success or failure of your service option update.

Service Option successfully updated

## Delete a Service Option

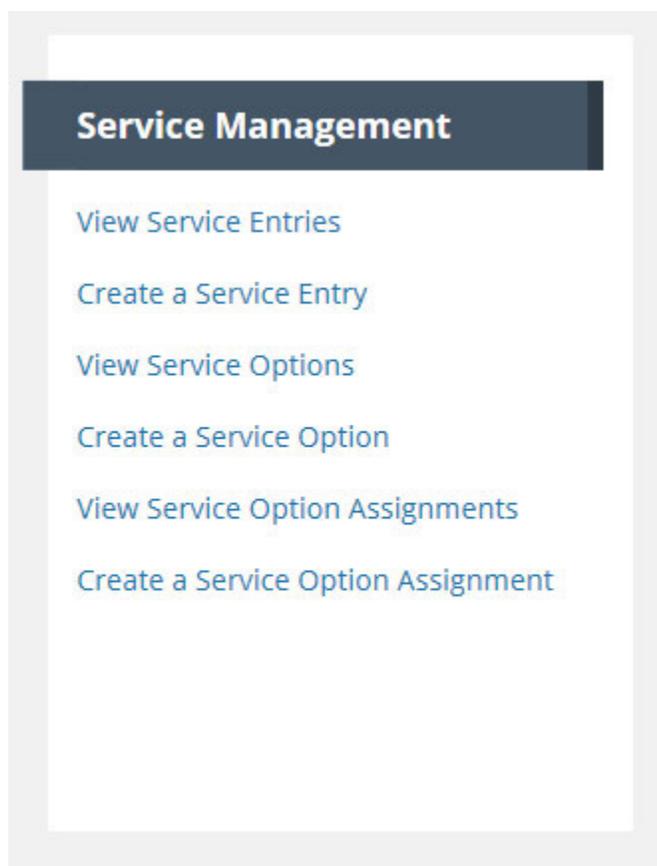
1. Find service options for your provider using the instructions for 'Find a Service Option' above.
2. Click on the 'Delete' action in the row for the Service Option you wish to delete, or click on the name of the Service Option you wish to delete, and then click on the Delete button on the Service Option display page.
3. You will be prompted to confirm the deletion of the service option. Click Yes to delete, or click No to avoid the deletion.

Are you sure you want to delete this service option? ✕

## Assign a Service Option to Collections

1. On the 'Manage CMR' dashboard, under 'Service Management', click on 'Create a Service Option Assignment'. Or click on 'View

Service Option Assignments', and click on the 'Create a Service Option Assignment' on the resulting 'Service Option Assignments' page.



2. On the Service Option Assignments page, choose an existing Service Implementation (most providers only have one Service Implementation), choose an existing Service Option from the Service Option pull-down, and then choose one or more collections to assign to the order option by using the Available Collections chooser. You may filter the list of Available Collections by typing a partial string in the input box above the collection list. If the Service Option should apply only to selected collections with Granules, click the 'Granules Only?' checkbox.

Click Submit to associate the selected Service Option with the selected collection(s).

## New DEV07 Service Option Assignments

## Service Implementation

EDF\_DEV07 EOSDIS Service Implementation

## Service Option

AE\_5DSno.1 ESI Service

 Granules Only?

## Available Collections

AE\_5D

AE\_5DSno\_002 | AMSR-E/Aqua 5-Day L3 Global Snow Water Ec

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Showing 1 of 1 item

## Selected Collections

Enter text to narrow selected items

Submit

Cancel

3. The MMT will display a status message which indicates the success or failure of your order option assignment.

## View existing Service Option to Collection assignments

1. On the 'Manage CMR' dashboard, under 'Service Management', click on 'View Service Option Assignments'.

## Service Management

[View Service Entries](#)

[Create a Service Entry](#)

[View Service Options](#)

[Create a Service Option](#)

[View Service Option Assignments](#)

[Create a Service Option Assignment](#)

2. On the Service Option Assignments page, select a Service Implementation, and click on 'Display Assignments'.

## DEV07 Service Option Assignments

Create a Service Option Assignment

### Manage Service Option Assignments

To *view* or *remove* currently assigned Service Options select the service implementations to view below.

**NOTE** that only service implementations which have dataset tags will be presented.

#### Available Service Implementations

Enter text to narrow search results

EDF\_DEV07 EOSDIS Service Implementation

EDF_DEV07 EOSDIS Service Implementation
---

Showing 1 of 1 item

#### Selected Service Implementations (1)

Enter text to narrow selected items

EDF\_DEV07 EOSDIS Service Implementation

EDF_DEV07 EOSDIS Service Implementation
---

Showing 1 of 1 item



Display Assignments

3. A table of selected Service Option/Collection assignments for the selected Service Implementation will be displayed. Each row in the table represents a three-way association of Service Implementation, Collection (Entry Title, Short Name, and Version) and Service Option. The row also indicates if the Service Option / Collection association was created with the 'Granules Only' box checked.

## DEV07 Service Option Assignments

<input type="checkbox"/>	Service Implementation ⇅	Collection ⇅	Short Name ⇅	Version ID ⇅	Granules Only? ⇅	Service Option ⇅
<input type="checkbox"/>	EDF_DEV07 EOSDIS Service Implementation	MODIS/Terra Snow Cover Daily L3 Global 500m SIN Grid V005	MOD10A1	005	Yes	MOD10A1.5 ESI Service
<input type="checkbox"/>	EDF_DEV07 EOSDIS Service Implementation	MODIS/Aqua Snow Cover 8-Day L3 Global 500m SIN Grid V006	MYD10A2	006	Yes	MYD10A2.6 ESI Service
<input type="checkbox"/>	EDF_DEV07 EOSDIS Service Implementation	GLAS/ICESat L2 Global Thin Cloud/Aerosol Optical Depths Data (HDF5) V033	GLAH11	33	Yes	GLAH11.33 ESI Service
<input type="checkbox"/>	EDF_DEV07 EOSDIS Service Implementation	AMSR-E/Aqua Monthly L3 Global Snow Water Equivalent EASE-Grids V002	AE_MoSno	002	Yes	AE_MoSno.2 ESI Service
<input type="checkbox"/>	EDF_DEV07 EOSDIS Service Implementation	AMSR-E/Aqua L2B Global Swath Ocean Products derived from Wentz Algorithm V002	AE_Ocean	002	Yes	My_New_Test Form Name
<input type="checkbox"/>	EDF_DEV07 EOSDIS Service Implementation	MISR Level 1B2 Local Mode Ellipsoid Radiance Data V002	MB2LME	002	Yes	MB2LME.2 ESI Service

## Delete Service Option to Collection assignment

1. Find service option assignments to specific collections using the instructions for 'View existing Service Option to Collection Assignments' above.
2. On the display table of Service Option to Collection Assignments, click the checkbox beside any Service Option to Collection Assignments that you wish to delete, and then click on 'Delete Selected Assignments' at the bottom of the table:

<input type="checkbox"/>	EDF_DEV07 EOSDIS Service Implementation	MODIS/Terra Sea Ice Extent and IST Daily L3 Global 4km EASE-Grid Day V006	MOD29E1D	006	Yes	MOD29E1D.6 ESI Service
<input type="checkbox"/>	EDF_DEV07 EOSDIS Service Implementation	MODIS/Terra Surface Reflectance 8-Day L3 Global 500m SIN Grid V004	MOD09A1	4	Yes	MOD09A1.4 ESI Service
<input type="checkbox"/>	EDF_DEV07 EOSDIS Service Implementation	MODIS/Terra Snow Cover Daily L3 Global 500m SIN Grid V006	MOD10A1	006	Yes	MOD10A1.6 ESI Service
Select one or more service option assignments.						
<input type="button" value="Delete Selected Assignments"/>						

3. You will be prompted to confirm the deletion of the order option assignments. Click Yes to delete, or click No to avoid the deletion.

Are you sure you want to delete the selected service option assignments?



No

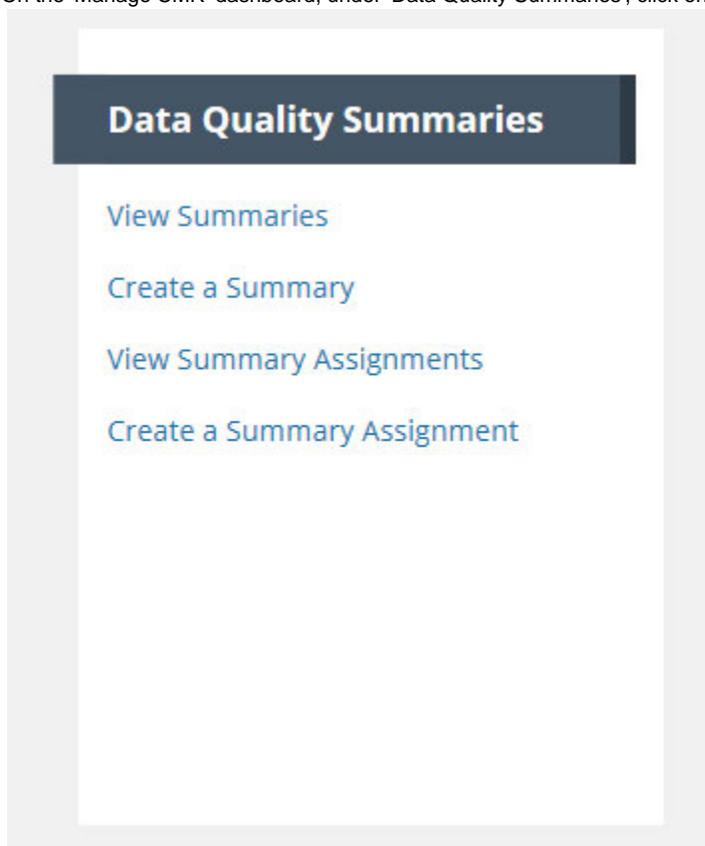
Yes

## Manage Data Quality Summaries for my provider

A Data Quality Summary is a named object consisting of text that describes the quality of data in a collection or collections.

### Create a Data Quality Summary

1. On the 'Manage CMR' dashboard, under 'Data Quality Summaries', click on 'Create a Summary'.



2. On the Data Quality Summaries page, enter a Name for your Data Quality Summary, and enter the Data Quality Summary text. Click on Submit.

Data Quality Summaries ➤ New

**MANAGE COLLECTIONS**   **MANAGE VARIABLES**   **MANAGE CMR**

## New MMT\_1 Data Quality Summary

**Name**

Data Quality Summary for ASTER Version 1 collections

**Summary**

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☰

Data in this collection are preliminary and have not yet been reviewed by the PI.

**Submit**   **Cancel**

3. The MMT will display the Data Quality Summary display page, with a green banner indicating that the Data Quality Summary was created successfully (or a pink banner indicating a failure creating the Data Quality Summary).

Data Quality Summaries ➤ Data Quality Summary for ASTER Version 1 collections

**MANAGE COLLECTIONS**   **MANAGE VARIABLES**   **MANAGE CMR**

Data Quality Summary successfully created ✕

## Data Quality Summary for ASTER Version 1 collections

Data in this collection are preliminary and have not yet been reviewed by the PI.

**Edit**   **Delete**

### Update a Data Quality Summary

1. On the 'Manage CMR' dashboard, under 'Data Quality Summaries', click on 'View Summaries'..

## Data Quality Summaries

[View Summaries](#)

[Create a Summary](#)

[View Summary Assignments](#)

[Create a Summary Assignment](#)

2. The MMT will display a table of Data Quality Summaries for your provider.



## MMT\_1 Data Quality Summaries

[Create a Data Quality Summary](#)

Showing **all 18** Data Quality Summaries

Name	Summary	Actions	
<a href="#">500 Test</a>	This is another test	<a href="#">Edit</a>	<a href="#">Delete</a>
<a href="#">564 DQS Test</a>	Testing deletionTesting deletionTesting deletionTesting deletionTesting deletion	<a href="#">Edit</a>	<a href="#">Delete</a>
<a href="#">A Test</a>	Testing 123	<a href="#">Edit</a>	<a href="#">Delete</a>

3. Select the Data Quality Summary you wish to update and click on the Edit action for that Data Quality Summary. (or you may click on the Name of the Data Quality Summary, and then click on the Edit button on the display page for that Data Quality Summary).

4. On the Edit page for the Data Quality Summary, update the Name and/or Summary fields as needed, and click Submit.

## Edit MMT\_1 Data Quality Summary

**Name**

**Summary**

¶   B   /   ☰   —   ☰   ☰

Data in this collection are preliminary and have not yet been reviewed by the PI.

## Delete a Data Quality Summary

1. On the 'Manage CMR' dashboard, under 'Data Quality Summaries', click on 'View Summaries'..

## Data Quality Summaries

[View Summaries](#)

[Create a Summary](#)

[View Summary Assignments](#)

[Create a Summary Assignment](#)

2. The MMT will display a table of Data Quality Summaries for your provider.



### MMT\_1 Data Quality Summaries

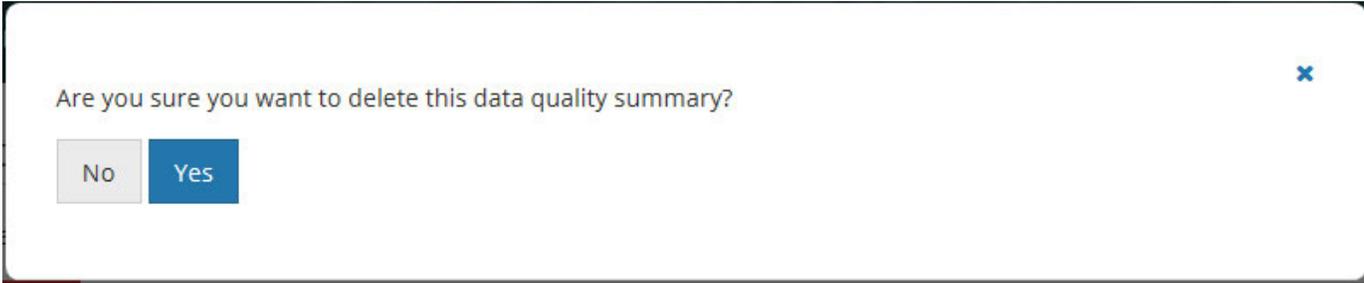
[Create a Data Quality Summary](#)

Showing **all 18** Data Quality Summaries

Name	Summary	Actions	
<a href="#">500 Test</a>	This is another test	<a href="#">Edit</a>	<a href="#">Delete</a>
<a href="#">564 DQS Test</a>	Testing deletionTesting deletionTesting deletionTesting deletionTesting deletion	<a href="#">Edit</a>	<a href="#">Delete</a>
<a href="#">A Test</a>	Testing 123	<a href="#">Edit</a>	<a href="#">Delete</a>

3. Select the Data Quality Summary you wish to update and click on the Delete action for that Data Quality Summary. (or you may click on the Name of the Data Quality Summary, and then click on the Delete button on the display page for that Data Quality Summary).

4. You will be asked to confirm the deletion:



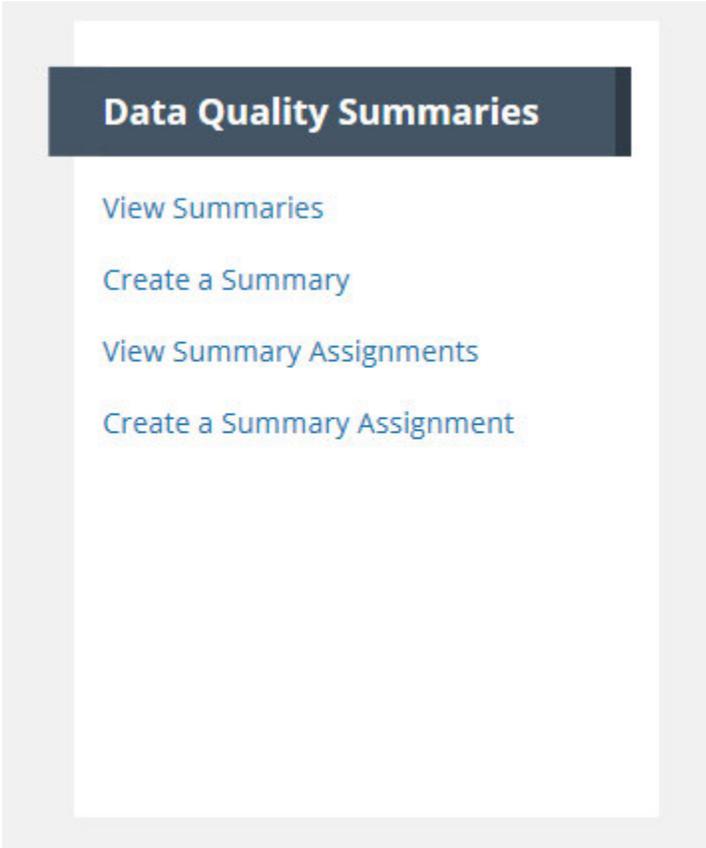
5. Click on 'Yes' to confirm the deletion. The MMT will display a success message if the DQS is deleted:



NOTE: If the DQS is assigned to collections, you will not be able to delete the DQS until you have deleted its associations to collections first.

## Assign a Data Quality Summary to Collections

1. On the 'Manage CMR' dashboard, under 'Data Quality Summaries', click on 'Create a Summary Assignment'.



2. On the page for creating the Data Quality Summary Assignment, choose a Data Quality Summary for your provider from the drop down list, and then use the collection chooser to select one or more collections to associate with the Data Quality Summary. Click on Submit to assign the Data Quality Summary to the selected collections.

## New MMT\_1 Data Quality Summary Assignments

**Data Quality Summary**

Data Quality Summary for ASTER Version 1 collections

---

**Available Collections**

- 15-16-demo\_1 | Sprint 15-16 Demo
- 708 Short\_2 | Mark's Test Again
- another 697 test\_2 | testing ticket 697
- AST\_L1A\_1 | ASTER Level 1A
- AST\_L1AE\_003 | ASTER L1A Expedited
- AST\_L1T\_18 | ASTER Level 1 precision terrain corrected registe
- Brown\_Bag\_1 | title
- CH Test Launchpad Collection 01\_1 | CH\_Test\_Launchpad\_ing
- Charles Test Failures\_3.3.3 | Charles Test Failures long title
- Cloned Test 10\_1 | Kathy's Test Record 10 with leading blanks
- CMR-4451\_001 | CMR-4451
- CMR-4475-1\_1 | CMR-4475-1
- CMR-4475\_1 | CMR-4475
- CMR-4492-1\_1 | CMR-4492-1
- CMR-4492-2\_1 | CMR-4492-2

Showing 52 of 52 items

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**Selected Collections (2)**

- AST\_L1A\_1 | ASTER Level 1A
- AST\_L1AE\_003 | ASTER L1A Expedited

Showing 2 of 2 items

Submit
Cancel

3. MMT will display a success or failure message for the Data Quality Summary assignment operations.

**2 data quality summary assignments created successfully.** ✖

## View existing assignments of Data Quality Summaries to Collections

1. On the 'Manage CMR' dashboard, under 'Data Quality Summaries', click on 'View Summary Assignments'.

## Data Quality Summaries

[View Summaries](#)

[Create a Summary](#)

[View Summary Assignments](#)

[Create a Summary Assignment](#)

2. On the Data Quality Summary Assignments page, use the Collection Chooser to select collections whose Data Quality Summary assignments you wish to see.

MMT\_1 Data Quality Summary Assignments

Create a Data Quality Summary Assignment

**Manage Data Quality Summary Assignments**

To *view* or *remove* currently assigned Data Quality Summaries select the collections to view below.

**Available Collections**

- 15-16-demo\_1 | Sprint 15-16 Demo
- 708 Short\_2 | Mark's Test Again
- another 697 test\_2 | testing ticket 697
- AST\_L1A\_1 | ASTER Level 1A
- AST\_L1AE\_003 | ASTER L1A Expedited
- AST\_L1T\_18 | ASTER Level 1 precision terrain corrected registe
- Brown\_Bag\_1 | title
- CH Test Launchpad Collection 01\_1 | CH\_Test\_Launchpad\_ing
- Charles Test Failures\_3.3.3 | Charles Test Failures long title
- Cloned Test 10\_1 | Kathy's Test Record 10 with leading blanks
- CMR-4451\_001 | CMR-4451
- CMR-4475-1\_1 | CMR-4475-1
- CMR-4475\_1 | CMR-4475
- CMR-4492-1\_1 | CMR-4492-1
- CMR-4492-2\_1 | CMR-4492-2

Showing 52 of 52 items

+

add

-

**Selected Collections (3)**

- AST\_L1A\_1 | ASTER Level 1A
- AST\_L1AE\_003 | ASTER L1A Expedited
- AST\_L1T\_18 | ASTER Level 1 precision terrain corrected registe

Showing 3 of 3 items

Display Assignments

3. Click 'Display Assignments'. A table of the selected collections with their Data Quality Summary assignments will be displayed. Each selected collection will appear in one row per Data Quality Summary assigned to it. If a selected collection has no Data Quality Summary assignments, it will not appear in the table unless you check the 'Include selected collections with no assigned summaries?' box at the top of the page.

## MMT\_1 Data Quality Summary Assignments

Include selected collections with no assigned summaries?

<input type="checkbox"/>	Collection ↕	Short Name ↕	Version ID ↕	Data Quality Summary ↕
<input type="checkbox"/>	ASTER L1A Expedited	AST_L1AE	003	Data Quality Summary for ASTER Version 1 collections
<input type="checkbox"/>	ASTER Level 1 precision terrain corrected registered at-sensor radiance V003	AST_L1T	18	Kathy Test DQS 12345
<input type="checkbox"/>	ASTER Level 1 precision terrain corrected registered at-sensor radiance V003	AST_L1T	18	Dana Test 1
<input type="checkbox"/>	ASTER Level 1A	AST_L1A	1	Data Quality Summary for ASTER Version 1 collections
<input type="checkbox"/>	ASTER Level 1A	AST_L1A	1	500 Test
<input type="checkbox"/>	ASTER Level 1A	AST_L1A	1	Dana Test 1

Select one or more collections.

Delete Selected Assignments

## Delete assignments of Data Quality Summaries to Collections

1. On the 'Manage CMR' dashboard, under 'Data Quality Summaries', click on 'View Summary Assignments'.

## Data Quality Summaries

[View Summaries](#)

[Create a Summary](#)

[View Summary Assignments](#)

[Create a Summary Assignment](#)

2. On the Data Quality Summary Assignments page, use the Collection Chooser to select collections whose Data Quality Summary assignments you wish to see.

MMT\_1 Data Quality Summary Assignments

Create a Data Quality Summary Assignment

**Manage Data Quality Summary Assignments**

To *view* or *remove* currently assigned Data Quality Summaries select the collections to view below.

**Available Collections**

- 15-16-demo\_1 | Sprint 15-16 Demo
- 708 Short\_2 | Mark's Test Again
- another 697 test\_2 | testing ticket 697
- AST\_L1A\_1 | ASTER Level 1A
- AST\_L1AE\_003 | ASTER L1A Expedited
- AST\_L1T\_18 | ASTER Level 1 precision terrain corrected register
- Brown\_Bag\_1 | title
- CH Test Launchpad Collection 01\_1 | CH\_Test\_Launchpad\_ingest
- Charles Test Failures\_3.3.3 | Charles Test Failures long title
- Cloned Test 10\_1 | Kathy's Test Record 10 with leading blanks
- CMR-4451\_001 | CMR-4451
- CMR-4475-1\_1 | CMR-4475-1
- CMR-4475\_1 | CMR-4475
- CMR-4492-1\_1 | CMR-4492-1
- CMR-4492-2\_1 | CMR-4492-2

Showing 52 of 52 items

+

add

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**Selected Collections (3)**

- AST\_L1A\_1 | ASTER Level 1A
- AST\_L1AE\_003 | ASTER L1A Expedited
- AST\_L1T\_18 | ASTER Level 1 precision terrain corrected register

Showing 3 of 3 items

Display Assignments

3. Click 'Display Assignments'. A table of the selected collections with their Data Quality Summary assignments will be displayed. Each selected collection will appear in one row per Data Quality Summary assigned to it. If a selected collection has no Data Quality Summary assignments, it will not appear in the table unless you check the 'Include selected collections with no assigned summaries?' box at the top of the page.

## MMT\_1 Data Quality Summary Assignments

Include selected collections with no assigned summaries?

<input type="checkbox"/>	Collection ↕	Short Name ↕	Version ID ↕	Data Quality Summary ↕
<input type="checkbox"/>	ASTER L1A Expedited	AST_L1AE	003	Data Quality Summary for ASTER Version 1 collections
<input type="checkbox"/>	ASTER Level 1 precision terrain corrected registered at-sensor radiance V003	AST_L1T	18	Kathy Test DQS 12345
<input type="checkbox"/>	ASTER Level 1 precision terrain corrected registered at-sensor radiance V003	AST_L1T	18	Dana Test 1
<input type="checkbox"/>	ASTER Level 1A	AST_L1A	1	Data Quality Summary for ASTER Version 1 collections
<input type="checkbox"/>	ASTER Level 1A	AST_L1A	1	500 Test
<input type="checkbox"/>	ASTER Level 1A	AST_L1A	1	Dana Test 1
<b>Select one or more collections.</b>				

Delete Selected Assignments

4. Click on the check box beside any Collection/Data Quality Summary assignment you wish to delete, or click on the check box in the table header to delete all assignments in the table. Click on 'Delete Selected Assignments'.

## MMT\_1 Data Quality Summary Assignments

 Include selected collections with no assigned summaries?

<input type="checkbox"/>	Collection ↕	Short Name ↕	Version ID ↕	Data Quality Summary ↕
<input checked="" type="checkbox"/>	ASTER L1A Expedited	AST_L1AE	003	Data Quality Summary for ASTER Version 1 collections
<input type="checkbox"/>	ASTER Level 1 precision terrain corrected registered at-sensor radiance V003	AST_L1T	18	Kathy Test DQS 12345
<input type="checkbox"/>	ASTER Level 1 precision terrain corrected registered at-sensor radiance V003	AST_L1T	18	Dana Test 1
<input type="checkbox"/>	ASTER Level 1A	AST_L1A	1	Data Quality Summary for ASTER Version 1 collections
<input type="checkbox"/>	ASTER Level 1A	AST_L1A	1	500 Test
<input type="checkbox"/>	ASTER Level 1A	AST_L1A	1	Dana Test 1

Select one or more collections.

Delete Selected Assignments

5. The MMT will prompt you to confirm the deletion(s):

✕

Are you sure you want to delete the data quality summary assignments for the selected collections?

6. Click 'Yes' to confirm the deletions. The MMT will display a success or failure message for the deletions(s).

Deleted 1 data quality summary assignment successfully. ✕

## Report problems or get help with MMT

1. Use the Feedback link at the right of the black 'Tophat' MMT page header to report problems or get help with the MMT.



2. Send email to [support@earthdata.nasa.gov](mailto:support@earthdata.nasa.gov)