

CoMET/DSMQ User Guide

Edit and Publish User Roles

Production Version 1.9.0

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Contact Information

Questions or feedback regarding this guide should be directed to the OneStop Metadata Content Team (lori.hager@noaa.gov, catherine.luquire@noaa.gov, paul.lemieux@noaa.gov)

If you encounter issues or need to report a bug in CoMET, please email ncei.collection-manager.support@noaa.gov. Describe the issue or bug and steps required to replicate it. Additionally, provide your name and contact information if you wish to be contacted for issue clarification and/or to receive updates on the status of the issue.

Acknowledgements

Special thanks to Charlie Burris, Jerri Reeves, and Marty Aubrey for their technical input

Overview

CoMET was created by the National Centers for Environmental Information (NCEI) to be NOAA's comprehensive and easy to use collection metadata creation and editing tool. It allows users to create ISO compliant metadata, can support NCEI collection metadata template, and is a gateway to publishing metadata to OneStop. CoMET includes a Data Stewardship Maturity Questionnaire (DSMQ) and Data Management Plan (DMP) functionality.

This guide was developed to assist users with learning how to use CoMET quickly and efficiently. Upon completing the guide, the user should be familiar with the base functionality of CoMET and be able to create and edit existing metadata, as well as to be able to perform a DSMM assessment with the use of the DSMQ form.

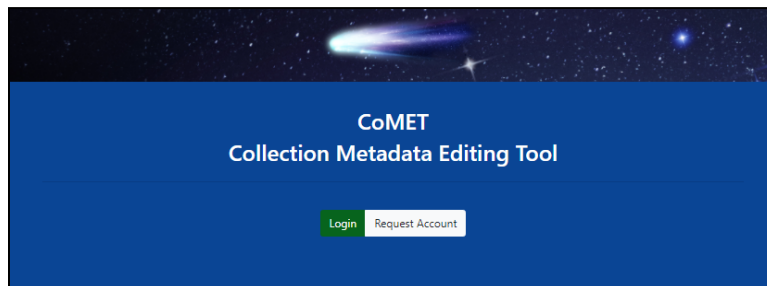
New Users

Note: If a NOAA employee, manager must request access

- Email: ncei.collection-manager.support@noaa.gov
- Subject:
 - New User for CoMET for *employee name*
- Body:
 - Employee's contact information
 - Associated program or agency
 - Records Group(s) to be accessed
 - If Record Group is unknown, user will be assigned to default Record Group 'CoMET Sandbox'
 - User may create/edit record here until appropriate Record Group is determined
 - Intended usage
 - Include if ability to Publish records is required
 - New users will be assigned default user role EDIT

Log In

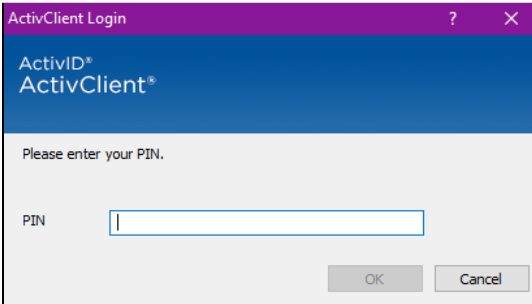
- Access CoMET at <https://data.noaa.gov/cedit/>
- Select 'Login'



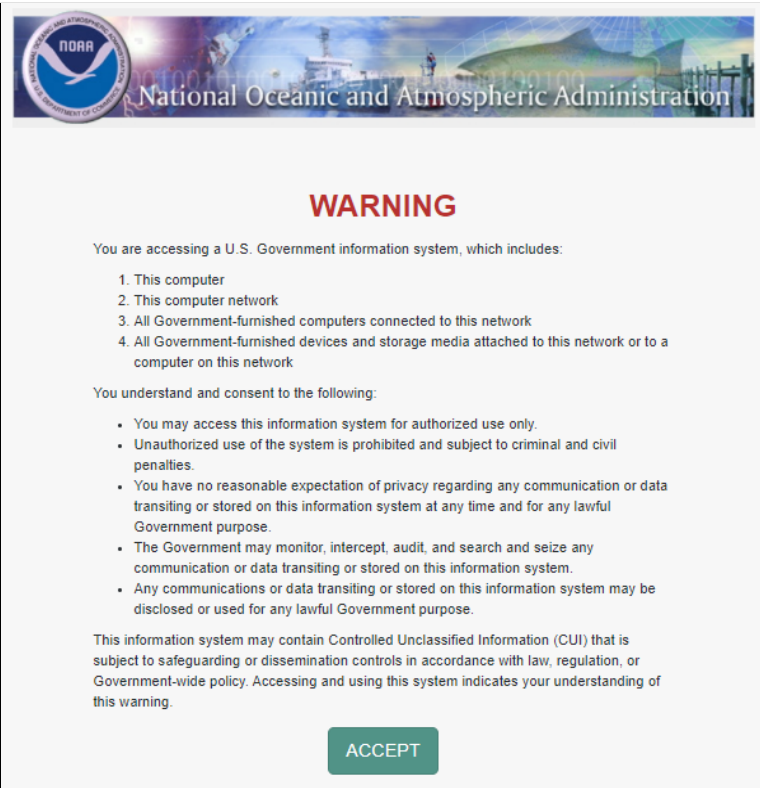
- If 'Request Account' is selected, email address for collection manager support is revealed
 - If account needed, follow instructions for New Users
- Enter Username (email address without @noaa.gov) and email password OR click 'NOAA ICAM SSO' button

The image shows the NOAA login page. It has a dark blue header with the NOAA logo and the text 'National Centers for Environmental Information'. Below the header is a white box with a 'Login' button. To the right of the login box is a red button labeled 'NOAA ICAM SSO'. Below the login box is a 'WARNING!' section with a disclaimer about the system being a United States Department of Commerce computer system. At the bottom of the page is the text 'ITB | NCEI Service Desk'.

- ‘Select a certificate’, if prompted
 - Select same certificate used when logging into work computer
- Enter CAC PIN


 A screenshot of the 'ActivClient Login' dialog box. The title bar is purple with the text 'ActivClient Login' and standard window controls. The main area has a blue header with 'ActivID*' and 'ActivClient*'. Below this, it says 'Please enter your PIN.' There is a text input field labeled 'PIN' with a cursor inside. At the bottom right are 'OK' and 'Cancel' buttons.

- After authentication, a Warning page is displayed
 - Click ‘Accept’ to proceed


 A screenshot of a warning page from the National Oceanic and Atmospheric Administration (NOAA). The header features the NOAA logo and a banner image of a ship and a fish. The main heading is 'WARNING' in red. Below it, text states: 'You are accessing a U.S. Government information system, which includes:'. This is followed by a numbered list:

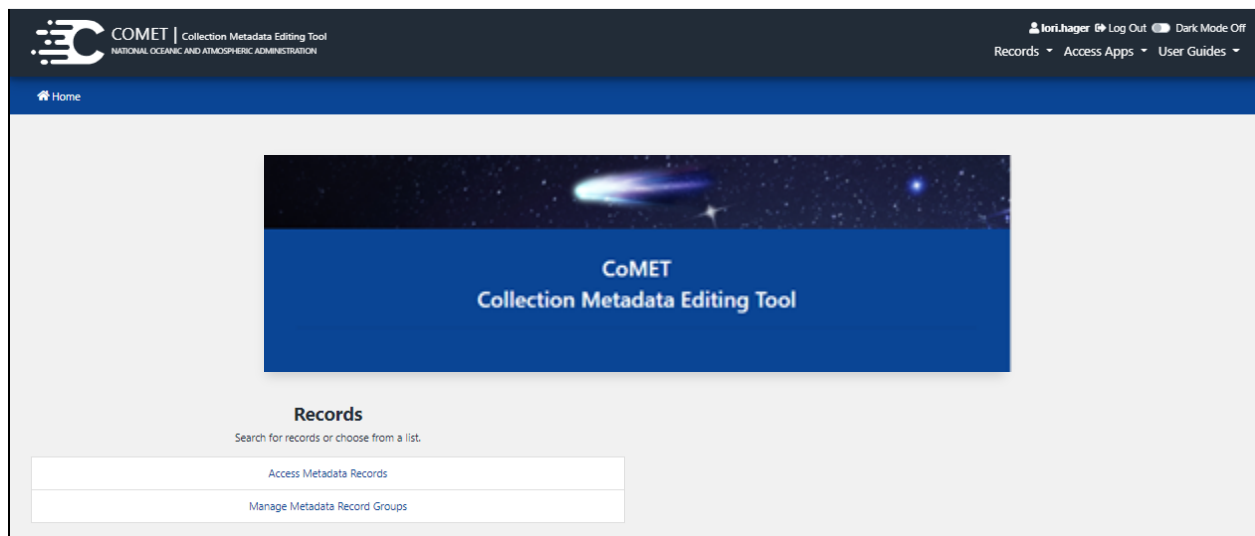
1. This computer
2. This computer network
3. All Government-furnished computers connected to this network
4. All Government-furnished devices and storage media attached to this network or to a computer on this network

 Then, it says 'You understand and consent to the following:' followed by a bulleted list:

- You may access this information system for authorized use only.
- Unauthorized use of the system is prohibited and subject to criminal and civil penalties.
- You have no reasonable expectation of privacy regarding any communication or data transiting or stored on this information system at any time and for any lawful Government purpose.
- The Government may monitor, intercept, audit, and search and seize any communication or data transiting or stored on this information system.
- Any communications or data transiting or stored on this information system may be disclosed or used for any lawful Government purpose.

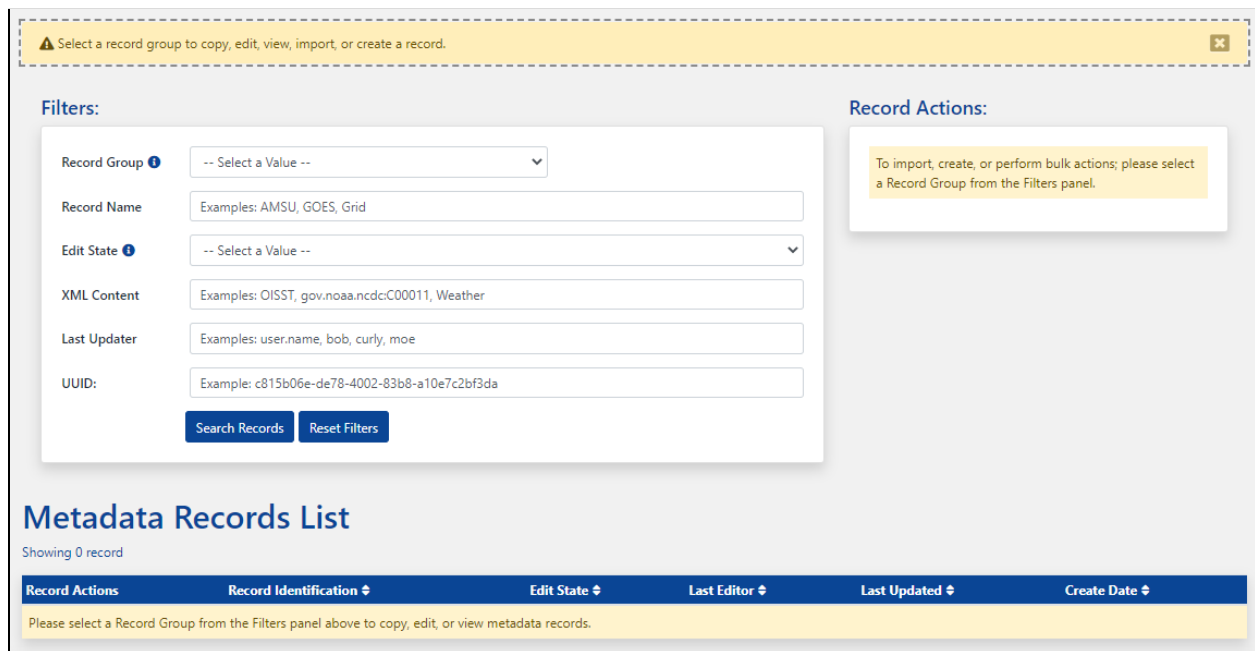
 At the bottom, a paragraph states: 'This information system may contain Controlled Unclassified Information (CUI) that is subject to safeguarding or dissemination controls in accordance with law, regulation, or Government-wide policy. Accessing and using this system indicates your understanding of this warning.' A green 'ACCEPT' button is at the bottom center.

- Select ‘Access Metadata Records’




- Select team’s record group from ‘Record Group’ drop-down

Note: A Record Group must be selected prior to performing any actions



- Page is auto-populated with records from that group, as well as any actions permitted per profile



COMET | Collection Metadata Editing Tool
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

lori.hager

Log Out

Dark Mode Off

Records
Administration
Access Apps
User Guides

Home / Metadata Records List

Close Filters & Actions

Filters:

Record Group

CoMET Sandbox

Record Name

Examples: AMSU, GOES, Grid

Edit State

-- Select a Value --

XML Content

Examples: OISST, gov.noaa.ncdc:C00011, Weather

Last Updater

Examples: user.name, bob, curly, moe

UUID:

Example: c815b06e-de78-4002-83b8-a10e7c2b93da

Search Records

Reset Filters

Record Actions:

New Record

Import

Create

Bulk Actions

Change Group

Download

Publishing

Metadata Records List

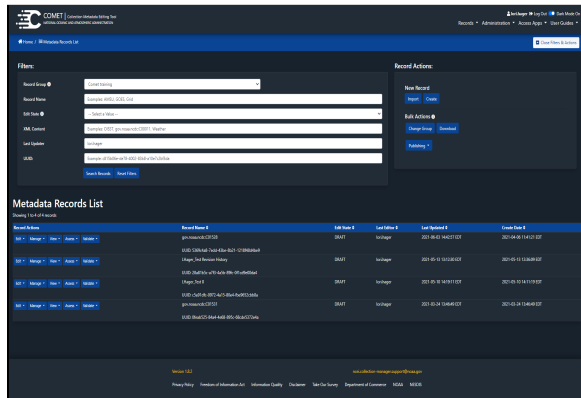
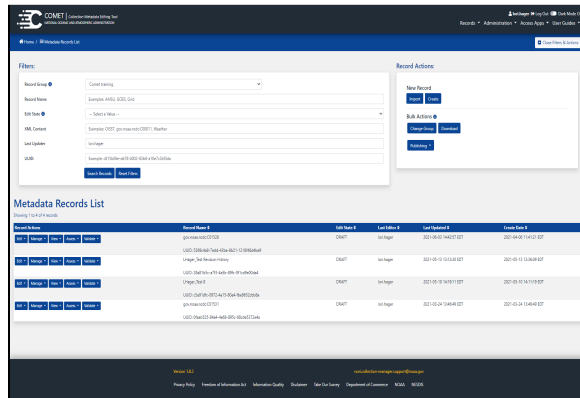
Showing 1 to 10 of 192 records

Record Actions	Record Identification	Edit State	Last Editor	Last Updated	Create Date
<div>Edit</div> <div>Manage</div> <div>View</div> <div>Assets</div> <div>Validate</div>	<div>Name: LHager_Test3</div> <div>UUID: 771901ee-f35c-4622-8205-9aaf38b9b7ea</div> <div>File Identifier: gov.noaa.ncdc:817139051071783</div>	DRAFT	lori.hager	2021-07-26 15:34:08 EDT	2020-11-06 15:59:10 EST
<div>Edit</div> <div>Manage</div> <div>View</div> <div>Assets</div> <div>Validate</div>	<div>Name: LHager_Test2</div> <div>UUID: 7aa8311f-2f55-46df-bae3-cdbb0e4c8b8a</div> <div>File Identifier: gov.noaa.ncdc:931124025430333</div>	DRAFT	lori.hager	2021-07-26 15:33:36 EDT	2020-11-05 11:00:38 EST
<div>Edit</div> <div>Manage</div> <div>View</div> <div>Assets</div> <div>Validate</div>	<div>Name: LHager_Test1</div> <div>UUID: 524858c2-9e66-4e7a-bf3a-f18b214d0780</div> <div>File Identifier: gov.noaa.ncdc:862541485539341</div>	DRAFT	lori.hager	2021-07-26 15:32:30 EDT	2021-01-25 14:01:19 EST

Viewing Options

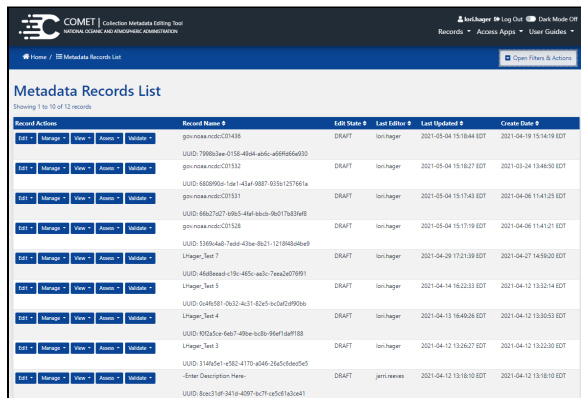
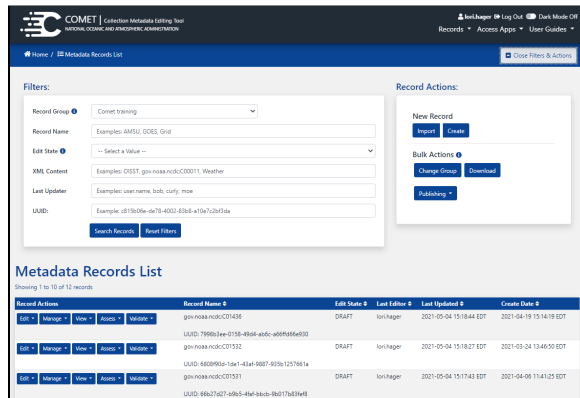
Dark Mode

- Toggle button for 'Dark Mode' at top right corner of screen
 - 'Dark Mode On' or 'Dark Mode Off'



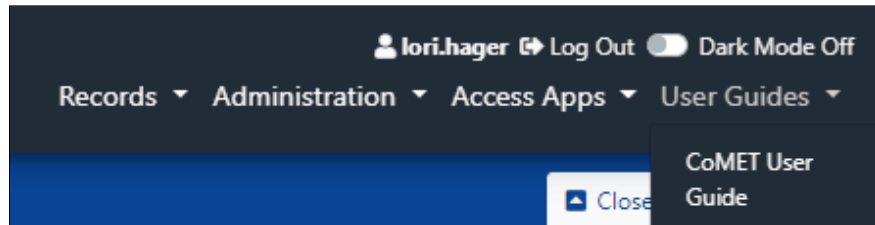
Streamline Page

- Click 'Close Filters & Actions'
 - Toggle between 'Close Filters & Actions' and 'Open Filters & Actions'

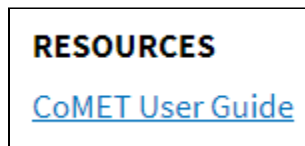


Link to CoMET/DSMQ User Guide

- At top right corner, click 'User Guides' drop-down
 - Select 'CoMET User Guide'



- Metadata site opens in new tab
 - Below RESOURCES, click link CoMET User Guide



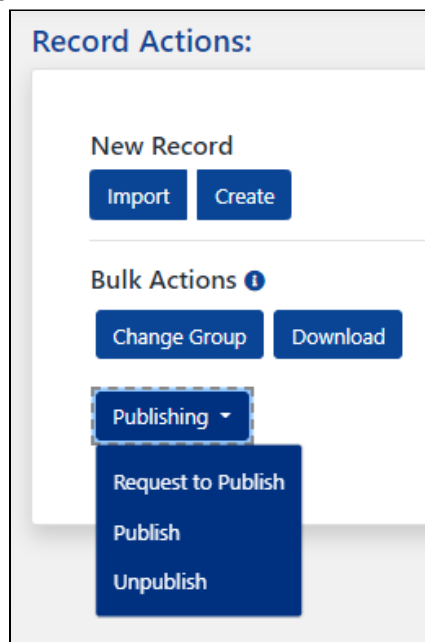
Filters

- Filters panel allows limiting number of records by various criteria
 - Filter records by:
 - Record Name
 - Edit State
 - XML Content
 - Last Updater
 - UUID
 - Automatically generated or use own from XML
 - Click 'Search Records' to apply filter(s)
 - Click 'Reset Filters' to clear filter(s)

A screenshot of a 'Filters' panel. It has a title 'Filters:' in blue. Below the title are several input fields: 'Record Group' with a dropdown menu showing 'CoMET Sandbox'; 'Record Name' with a text input and examples 'AMSU, GOES, Grid'; 'Edit State' with a dropdown menu showing '-- Select a Value --'; 'XML Content' with a text input and examples 'OISST, gov.noaa.ncdc:C00011, Weather'; 'Last Updater' with a text input and examples 'user.name, bob, curly, moe'; and 'UUID' with a text input and example 'c815b06e-de78-4002-83b8-a10e7c2bf3da'. At the bottom are two buttons: 'Search Records' and 'Reset Filters'.

Record Actions

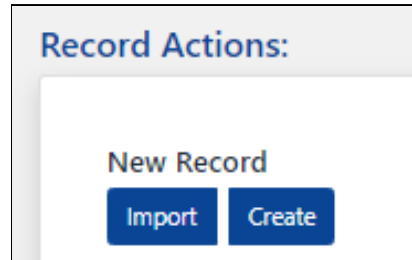
- Record Actions panel includes commonly-used actions
 - New Record
 - [Import](#)
 - Import one or multiple valid 19115-2 ISO XML files
 - [Create](#)
 - Create new records based on values in NCEI template
 - Bulk Actions
 - [Change Group](#) (action available only to PUBLISH user role)
 - Allows records to be moved from one group to another
 - [Download](#) (action available only to PUBLISH user role)
 - Allows download of multiple XML files
 - [Publishing](#)
 - [Request to Publish](#)
 - Request a draft to be published
 - [Publish](#) (action visible only to PUBLISH user role)
 - Unpublish (action visible only to PUBLISH user role)
 - In development



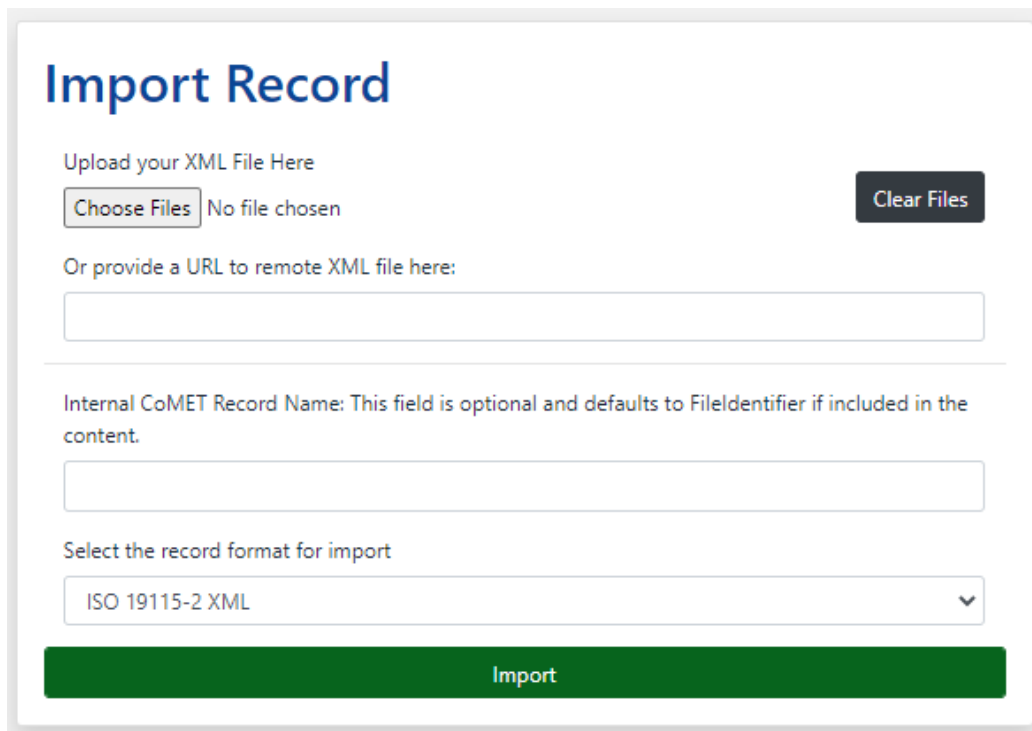
New Record

Import

- In Record Actions panel, click 'Import'

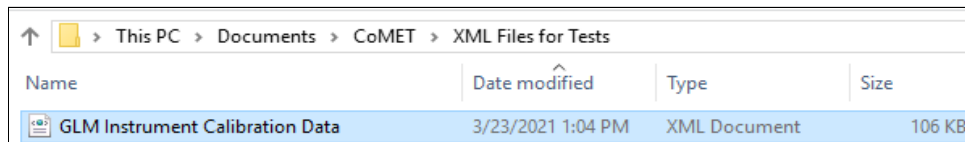


- 'Import Record' dialogue box opens
- Either click 'Choose Files' to upload XML file saved on computer OR enter URL for remote XML file
 - All XML URLs must have XML extension
 - Multiple/Bulk files may be uploaded from computer
 - *Multiple/Bulk URLs are not supported and must be imported individually*

A screenshot of the 'Import Record' dialogue box. It has a title 'Import Record' in large blue font. Below the title is a section 'Upload your XML File Here' with a 'Choose Files' button and the text 'No file chosen'. To the right of this is a 'Clear Files' button. Below this is a section 'Or provide a URL to remote XML file here:' with a text input field. Further down is a section 'Internal CoMET Record Name: This field is optional and defaults to FileIdentifier if included in the content.' with a text input field. Below that is a section 'Select the record format for import' with a dropdown menu showing 'ISO 19115-2 XML'. At the bottom is a large green button labeled 'Import'.

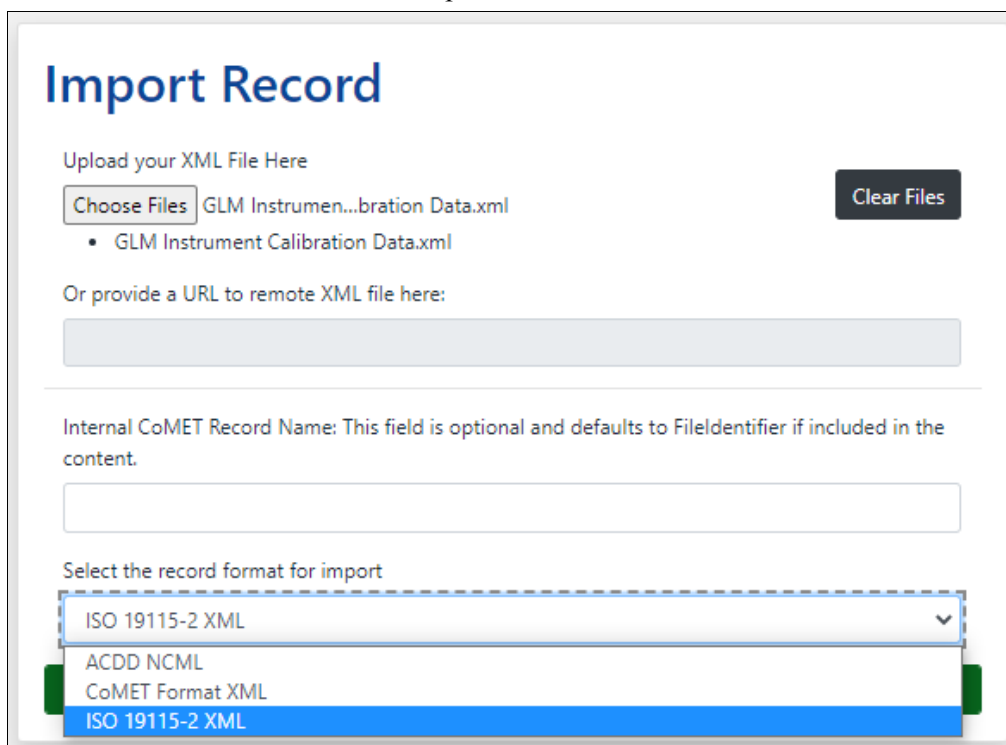
Upload an XML File

- Click 'Choose Files'
 - Select XML file from computer



Name	Date modified	Type	Size
GLM Instrument Calibration Data	3/23/2021 1:04 PM	XML Document	106 KB

- Optional: CoMET Record Name
 - If record name is not entered, collection metadata ID from fileIdentifier will be used
- Select Record Format from drop-down
 - ISO-19115-2-XML is default option



Import Record

Upload your XML File Here

GLM Instrumen...bration Data.xml

- GLM Instrument Calibration Data.xml

Or provide a URL to remote XML file here:

Internal CoMET Record Name: This field is optional and defaults to FileIdentifier if included in the content.

Select the record format for import

ISO 19115-2 XML

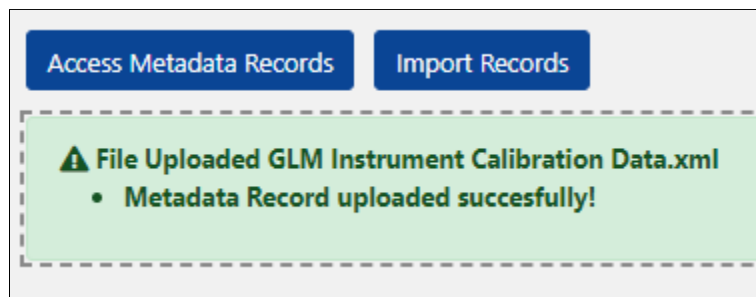
ACDD NCML

CoMET Format XML

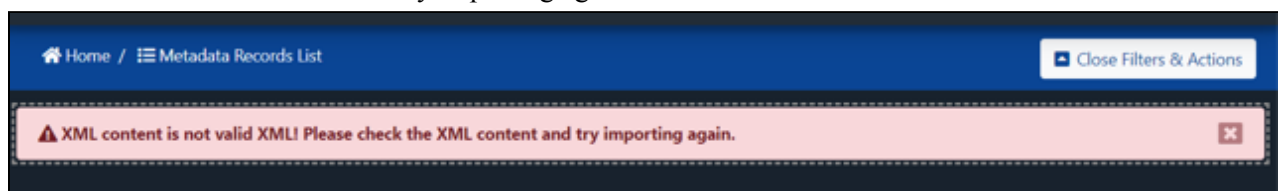
ISO 19115-2 XML

- Click 'Import'

- Get message 'Metadata Record uploaded successfully!'

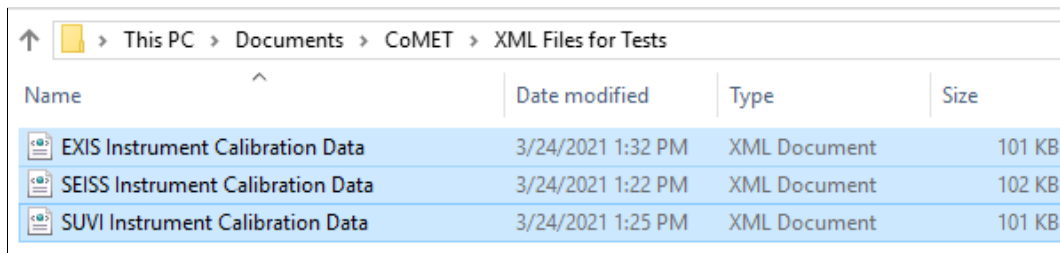


- If XML is not valid, receive error message
 - Check XML and try importing again



Upload Multiple/Bulk XML Files

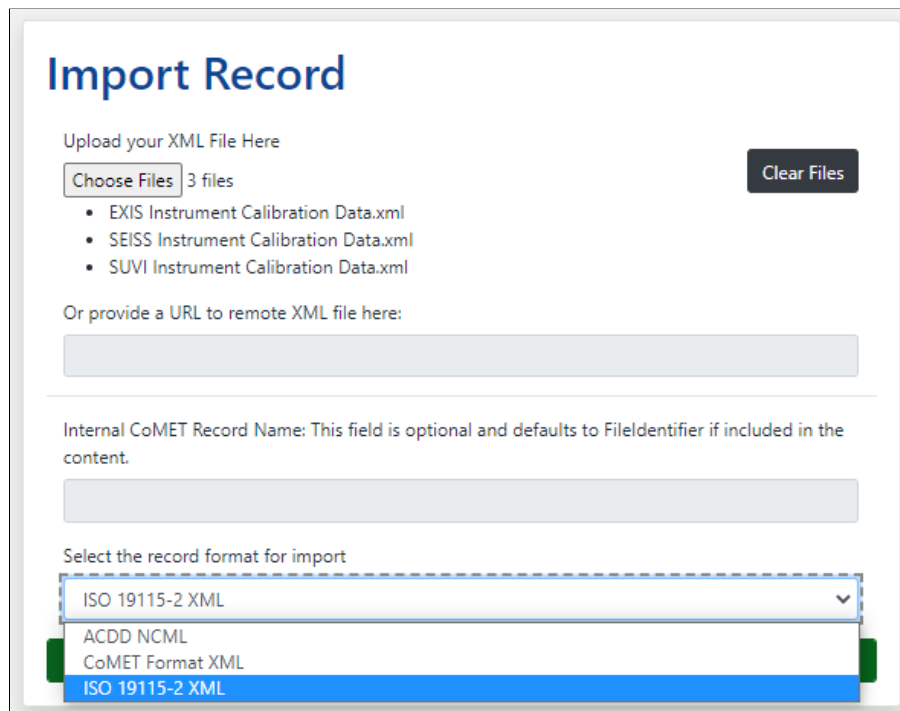
- Click 'Choose Files'
 - Select XML files from computer



The screenshot shows a Windows File Explorer window with the address bar set to 'This PC > Documents > CoMET > XML Files for Tests'. The window displays a table of files with columns for Name, Date modified, Type, and Size.

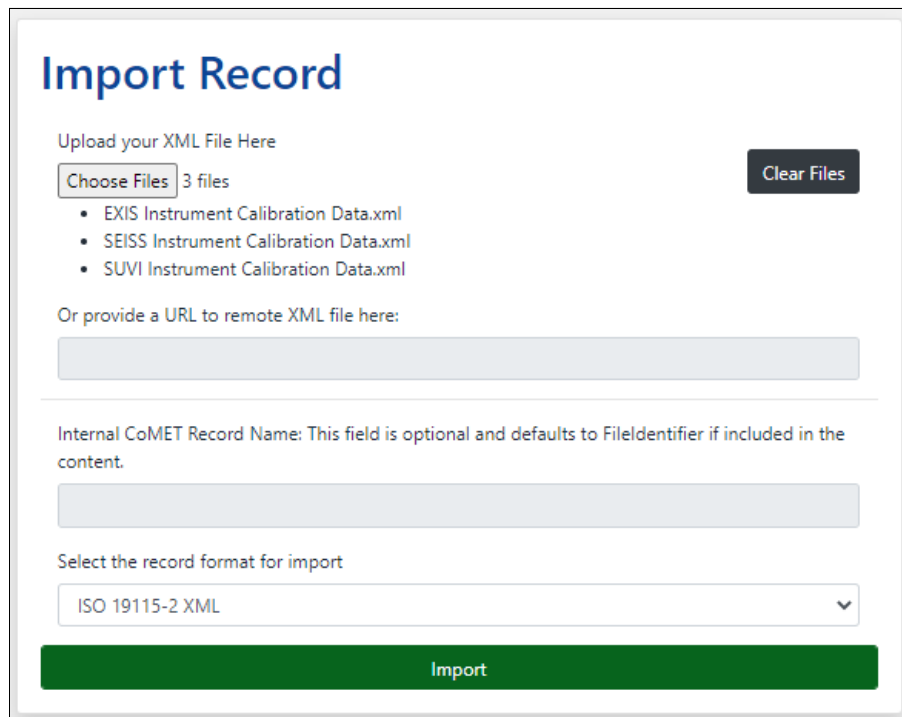
Name	Date modified	Type	Size
EXIS Instrument Calibration Data	3/24/2021 1:32 PM	XML Document	101 KB
SEISS Instrument Calibration Data	3/24/2021 1:22 PM	XML Document	102 KB
SUVI Instrument Calibration Data	3/24/2021 1:25 PM	XML Document	101 KB

- Optional: CoMET Record Name
 - If record name is not entered, collection metadata ID (e.g. gov.noaa.ncdc:C01528) from fileIdentifier will be used
- Select Record Format from drop-down
 - ISO-19115-2-XML is default option



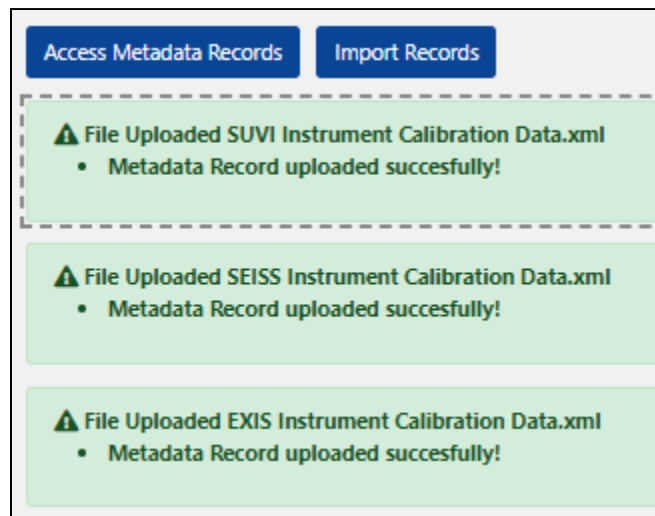
The screenshot shows the 'Import Record' web form. It has a title 'Import Record' in blue. Below the title is the instruction 'Upload your XML File Here'. There is a 'Choose Files' button with '3 files' next to it, and a 'Clear Files' button. Below these are three file names: 'EXIS Instrument Calibration Data.xml', 'SEISS Instrument Calibration Data.xml', and 'SUVI Instrument Calibration Data.xml'. There is a text input field for 'Or provide a URL to remote XML file here:'. Below that is a text input field for 'Internal CoMET Record Name: This field is optional and defaults to FileIdentifier if included in the content.'. At the bottom, there is a dropdown menu for 'Select the record format for import' with the following options: 'ISO 19115-2 XML' (selected), 'ACDD NCML', 'CoMET Format XML', and 'ISO 19115-2 XML'.

- Click 'Import'



The 'Import Record' form is titled 'Import Record' in a large blue font. Below the title, it says 'Upload your XML File Here'. There is a 'Choose Files' button and a 'Clear Files' button. A list of three files is shown: 'EXIS Instrument Calibration Data.xml', 'SEISS Instrument Calibration Data.xml', and 'SUVI Instrument Calibration Data.xml'. Below this, there is a text input field for 'Or provide a URL to remote XML file here:'. Further down, there is a text input field for 'Internal CoMET Record Name: This field is optional and defaults to FileIdentifier if included in the content.'. Below that is a dropdown menu for 'Select the record format for import' with 'ISO 19115-2 XML' selected. At the bottom is a large green 'Import' button.

- Receive message for each record: 'Metadata Record uploaded successfully!'



The screenshot shows two buttons at the top: 'Access Metadata Records' and 'Import Records'. Below them are three green boxes, each containing a warning icon and the text 'File Uploaded SUVI Instrument Calibration Data.xml' (for the first box), 'File Uploaded SEISS Instrument Calibration Data.xml' (for the second box), and 'File Uploaded EXIS Instrument Calibration Data.xml' (for the third box). Each box also contains a bullet point: 'Metadata Record uploaded successfully!'.

URL To Remote XML File

- Type or paste URL into ‘Or provide a URL . . .’ field
 - Optional: CoMET Record Name
 - If record name is not entered, collection metadata ID (e.g. gov.noaa.ncdc:C01528) from fileIdentifier will be used
 - Select Record Format from drop-down
 - ISO-19115-2-XML is default option

The screenshot shows the 'Import Record' form. At the top, it says 'Upload your XML File Here' with a 'Choose Files' button and 'No file chosen' text. To the right is a 'Clear Files' button. Below this, it says 'Or provide a URL to remote XML file here:' followed by a text input field containing the URL 'https://www.ncei.noaa.gov/metadata/geoportal/rest/metadata/item/gov.noaa.nodc%3A000066'. Underneath is a label 'Internal CoMET Record Name: This field is optional and defaults to FileIdentifier if included in the content.' followed by an empty text input field. At the bottom, it says 'Select the record format for import' followed by a dropdown menu. The dropdown menu is open, showing four options: 'ISO 19115-2 XML' (selected), 'ACDD NCML', 'CoMET Format XML', and 'ISO 19115-2 XML'.

- Click ‘Import’

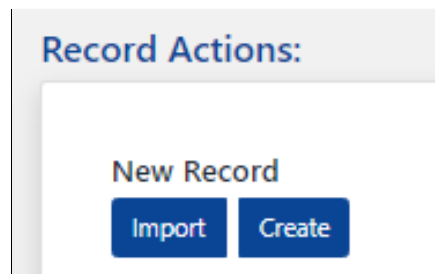
This screenshot shows the same 'Import Record' form as the previous one, but with the dropdown menu closed. The 'ISO 19115-2 XML' option is now the selected value in the dropdown. At the bottom of the form, there is a large green button labeled 'Import'.

- Get message 'Metadata Record uploaded successfully!'

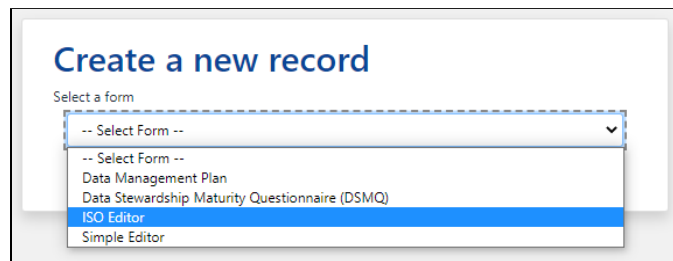


Create a Record with ISO Editor

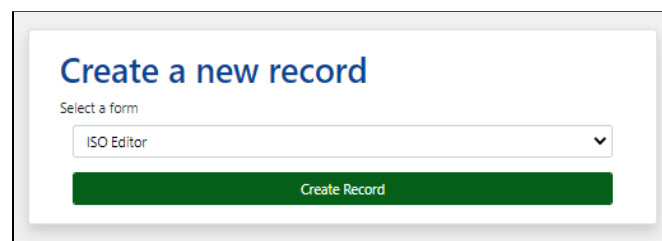
- In Record Actions panel, click 'Create'



- From 'Select a form' drop-down, select 'ISO Editor'



- Click 'Create Record'



- At ‘Would you like to use a template?’ prompt
 - Select ‘No, use blank’ if record will not be submitted to NCEI
 - OR select ‘Yes, populate with the NCEI template’ if data will be submitted to NCEI
 - Contains pre-populated fields for standard NCEI data

Would you like to use a template?

You can populate this form with sample values from the NCEI Template. To do so, click "Yes, populate with NCEI template". Otherwise, click "No, use blank" to start out with a blank form

No, use blank

Yes, populate with the NCEI template

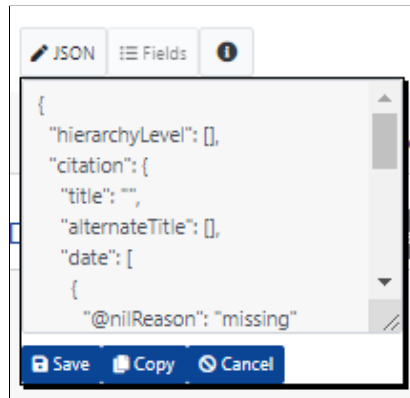
Note: Instructions are same for ‘Yes, populate with the NCEI template’ as with ‘No, use blank’ except if NCEI template is used, there is an additional field on Identification tab titled ‘Supplemental Information’

‘Supplemental Information’ is not a required field

- CoMET defaults to Identification tab
 - Enter data into fields
 - Required fields are indicated by a vertical red bar next to field name, as well as text ‘(required)’ after field name

JSON code can be directly modified or copied

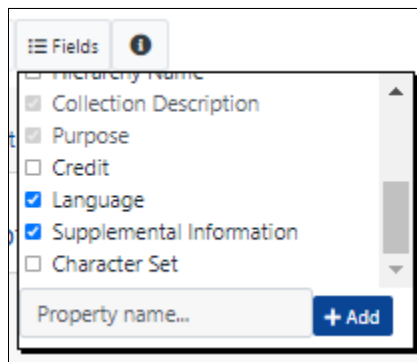
- Click JSON button



- Modify, as desired
- OR highlight text and click 'Copy'
- If any changes made, click 'Save' in JSON window
- Click 'JSON' button again to close window

Additional fields may be included by clicking 'Fields' button

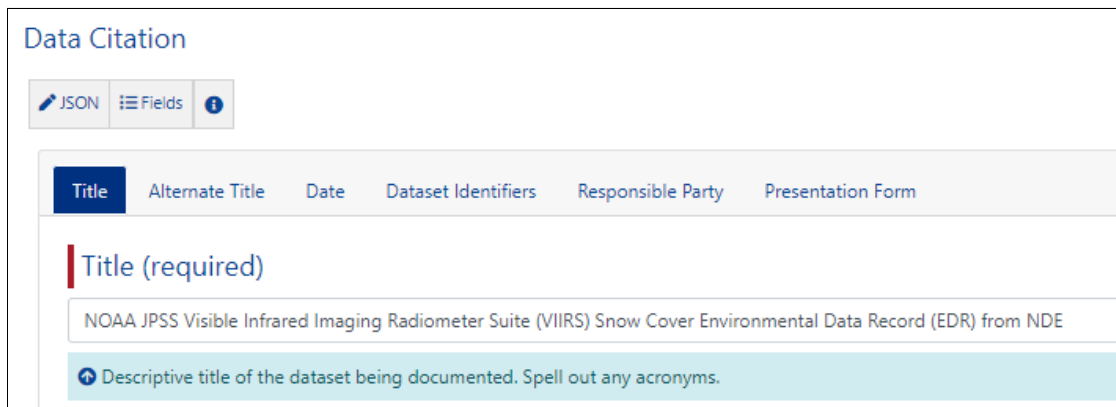
- Place check in box next to field
- If check box is gray, its field is already on page
 - Field is required and cannot be removed
- Deleting a check removes field and its values
- Language is checked by default



- After selecting fields, click 'Fields' button again to close window
- Click 'Data Citation' tab (next to 'Description' tab)

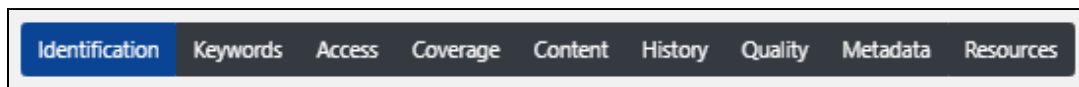


- Enter Dataset Title in ‘Title’ field



The screenshot shows the 'Data Citation' form. At the top, there are tabs for 'JSON', 'Fields', and an information icon. Below these is a horizontal menu with tabs: 'Title' (selected), 'Alternate Title', 'Date', 'Dataset Identifiers', 'Responsible Party', and 'Presentation Form'. The 'Title' tab is active, showing a text input field with the placeholder text 'Title (required)'. Below the input field, there is a preview of the text: 'NOAA JPSS Visible Infrared Imaging Radiometer Suite (VIIRS) Snow Cover Environmental Data Record (EDR) from NDE'. At the bottom of the form, there is a light blue box with a circular arrow icon and the text: 'Descriptive title of the dataset being documented. Spell out any acronyms.'

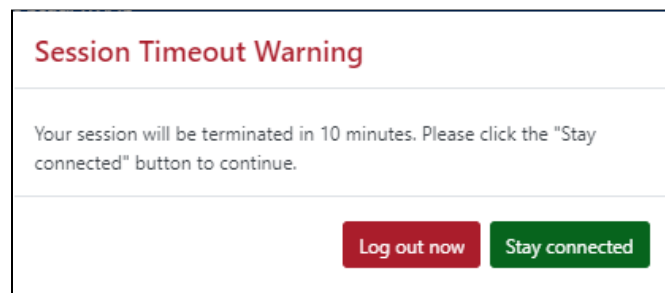
- Use tabs to navigate through form



The screenshot shows a horizontal row of navigation tabs. The tabs are: 'Identification' (selected and highlighted in blue), 'Keywords', 'Access', 'Coverage', 'Content', 'History', 'Quality', 'Metadata', and 'Resources'.

- Save periodically as form will not save automatically

***Note: If CoMET is left idle too long, session will time out and unsaved data will be lost
User will receive Timeout Warning message***

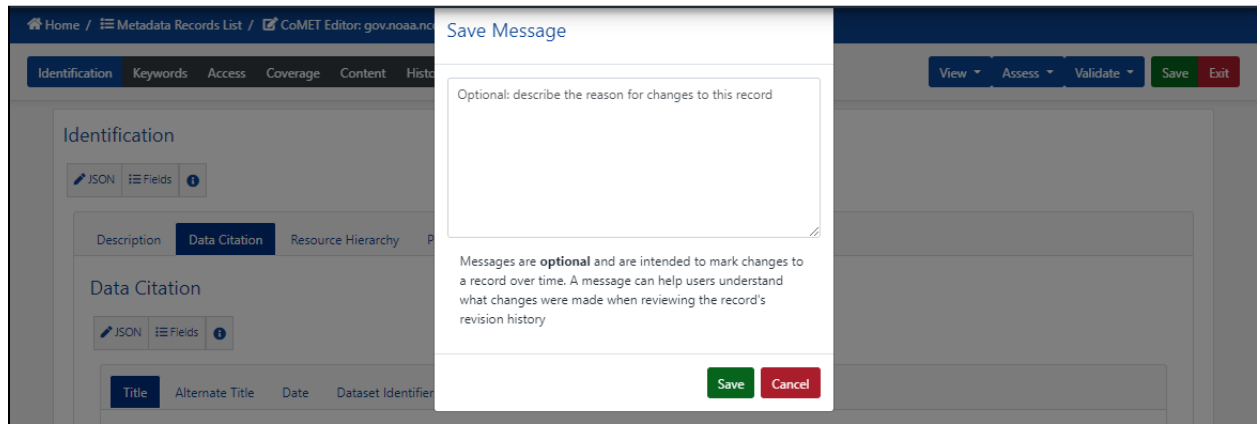


The screenshot shows a 'Session Timeout Warning' dialog box. The title 'Session Timeout Warning' is in red. Below the title, the text reads: 'Your session will be terminated in 10 minutes. Please click the "Stay connected" button to continue.' At the bottom right, there are two buttons: 'Log out now' (red) and 'Stay connected' (green).

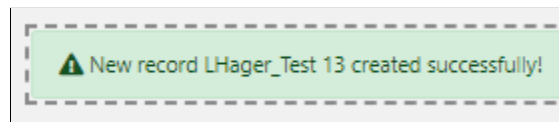
- Click ‘Save’ button at top right of page OR Save icon at bottom right of page



- Save Message appears
 - User has option to add reason for changes made to record
 - Comment is optional but strongly recommended
 - Save Messages are included in Revision History



- Message appears 'New record . . . created successfully'



Note: Even if one or more required fields are blank or not in the expected format, CoMET will ignore the validation errors and allow the record to be created

- Metadata Records List page reloads
 - New record at top of Metadata Records List

▲ New record LHager_Test 8 created successfully!

Filters:

Record Group Comet training

Record Name Examples: AMSU, GOES, Grid

Edit State -- Select a Value --

XML Content Examples: OISST, gov.noaa.ncdc:C00011, Weather

Last Updater Examples: user.name, bob, curly, moe

UUID: Example: c815b06e-de78-4002-83b8-a10e7c2bf3da

[Search Records](#) [Reset Filters](#)

Record Actions:

New Record

[Import](#) [Create](#)

Bulk Actions

[Change Group](#) [Download](#)

[Publishing](#)

Metadata Records List

Showing 1 to 10 of 13 records

Record Actions	Record Name	Edit State	Last Editor	Last Updated	Create Date
Edit Manage View Assess Validate	LHager_Test 8	DRAFT	lori.hager	2021-05-05 12:05:33 EDT	2021-05-05 12:05:33 EDT
	UUID: 7e5409d6-b819-4b27-bf36-b35ae9d4d9d1				
Edit Manage View Assess Validate	gov.noaa.ncdc:C01436	DRAFT	lori.hager	2021-05-04 15:18:44 EDT	2021-04-19 15:14:19 EDT
	UUID: 7998b3ee-0158-49d4-ab6c-a66ff66e930				
Edit Manage View Assess Validate	gov.noaa.ncdc:C01532	DRAFT	lori.hager	2021-05-04 15:18:27 EDT	2021-03-24 13:46:50 EDT
	UUID: 6808f90d-1de1-43af-9887-935b1257661a				

Create a Record with Simple Editor

Enables non-metadata experts to easily create metadata records within CoMET

- In Record Actions panel, click 'Create'

Record Actions:

New Record

[Import](#) [Create](#)

- From 'Select a form' drop-down, select 'ISO Editor'

Create a new record

Select a form

-- Select Form --

-- Select Form --

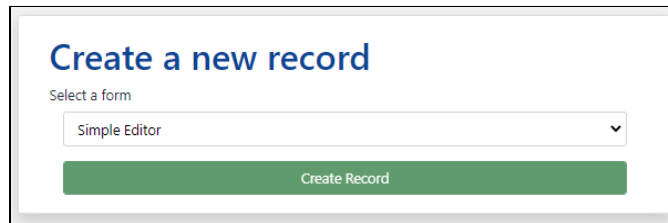
Data Stewardship Maturity Questionnaire (DSMQ)

Data Management Plan

ISO Editor

Simple Editor

- Click ‘Create Record’



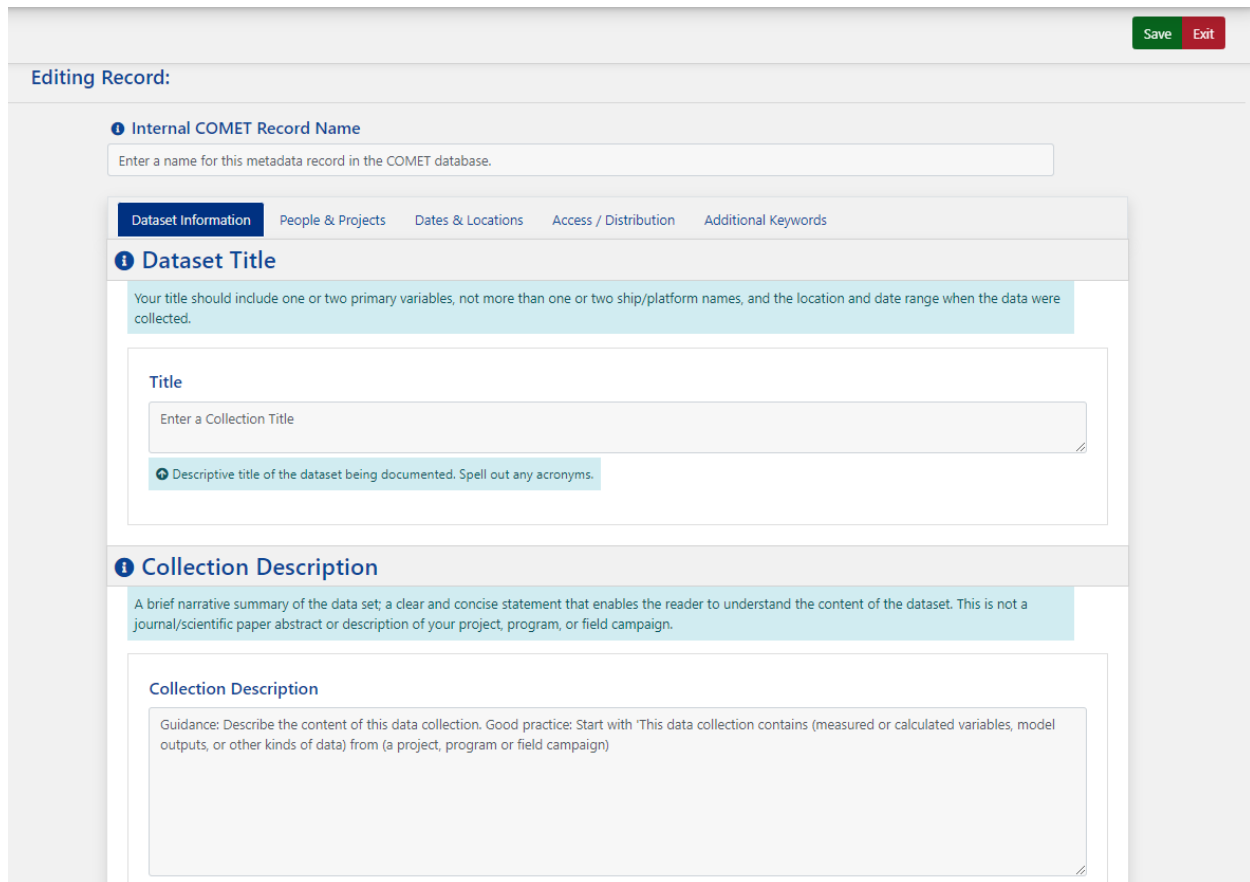
Create a new record

Select a form

Simple Editor

Create Record

- CoMET defaults to Dataset Information tab
 - Enter data into fields
 - ‘Internal COMET Record Name’ is a required field



Save Exit

Editing Record:

Internal COMET Record Name

Enter a name for this metadata record in the COMET database.

Dataset Information People & Projects Dates & Locations Access / Distribution Additional Keywords

Dataset Title

Your title should include one or two primary variables, not more than one or two ship/platform names, and the location and date range when the data were collected.

Title

Enter a Collection Title

Descriptive title of the dataset being documented. Spell out any acronyms.

Collection Description

A brief narrative summary of the data set; a clear and concise statement that enables the reader to understand the content of the dataset. This is not a journal/scientific paper abstract or description of your project, program, or field campaign.

Collection Description

Guidance: Describe the content of this data collection. Good practice: Start with 'This data collection contains (measured or calculated variables, model outputs, or other kinds of data) from (a project, program or field campaign)

1 Purpose

Explain the intended use and benefits of the dataset (e.g., These data can be used for weather forecasting and snowpack analysis).

Purpose

Example: This data is available to the public for a wide variety of uses including scientific research and analysis.

1 Supplemental Information

Supplemental Information

Enter any other information

Any additional information to complete the data description.

1 Topic Categories

High-level thematic classification to assist in the grouping and searching of data. The most applicable topics in NOAA are usually Geoscientific Information, Climatology > Meteorology > Atmosphere, Oceans or Elevation.

Topic Category + Topic

Topic 1 Topic 1

1 Publish Dates

Use the date that this dataset was first published or released.

Date + Date

1 Theme/Science Keyword Descriptors

(GCMD) Science Keyword Values

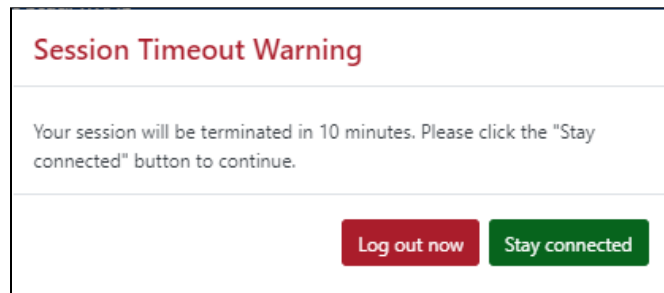
Select theme values from Global Change Master Directory (GCMD) Science Keywords

- Use tabs to navigate through form

Dataset Information
People & Projects
Dates & Locations
Access / Distribution
Additional Keywords

- Save periodically as form will not save automatically

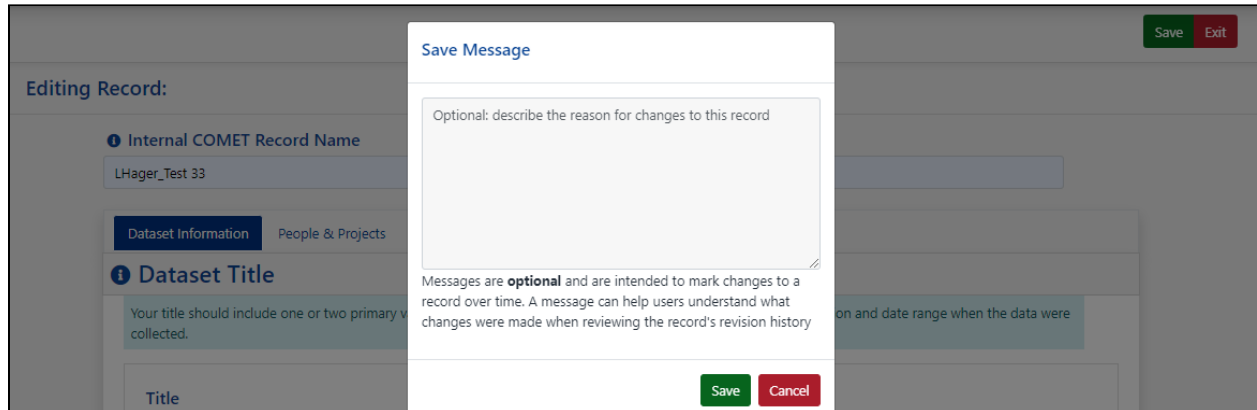
**Note: If CoMET is left idle too long, session will time out and unsaved data will be lost
User will receive Timeout Warning message**



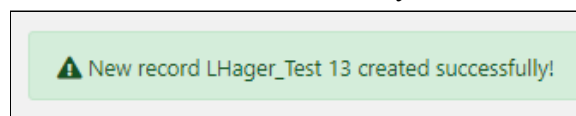
- Click 'Save' button at top right of page OR Save icon at bottom right of page



- Save Message appears
 - User has option to add reason for changes made to record
 - Comment is optional but strongly recommended
 - Save Messages are included in Revision History



- Message appears 'New record . . . created successfully'



- Metadata Records List page reloads
 - New record at top of Metadata Records List

New record LHager_Test 13 created successfully!

Filters:

Record Group ⓘ

CoMET Sandbox

Record Name

Examples: AMSU, GOES, Grid

Edit State ⓘ

-- Select a Value --

XML Content

Examples: OISST, gov.noaa.ncdc:C00011, Weather

Last Updater

Examples: user.name, bob, curly, moe

UUID:

Example: c815b06e-de78-4002-83b8-a10e7c2bf3da

Search Records

Reset Filters

Record Actions:

New Record

Import

Create

Bulk Actions ⓘ

Change Group

Download

Publishing ▾

Metadata Records List

Showing 1 to 10 of 201 records

Record Actions	Record Identification	Edit State	Last Editor	Last Updated	Create Date
<div>Edit ▾</div> <div>Manage ▾</div> <div>View ▾</div> <div>Assess ▾</div> <div>Validate ▾</div>	<div>Name: LHager_Test 13</div> <div>UUID: 5d717f10-d955-447a-8b8f-a6ef789e7715</div> <div>File Identifier: gov.noaa.ncei:6224444250554875</div>	DRAFT	Iori.hager	2021-08-10 18:11:24 EDT	2021-08-10 18:11:24 EDT

Bulk Actions

Change Group

Note: Action available only to **PUBLISH** user role

Move record(s) from one Record Group to another

- In Record Actions panel, click 'Change Group'

Record Actions:

New Record

Import

Create

Bulk Actions ⓘ

Change Group

Download

Publishing ▾

- Select new Record Group from ‘Move to record group’ drop-down
- Check box(es) next to file(s) to be moved
- Click ‘Move Records’

Move Records in Bulk

Current record group

Comet training

Move to record group

CoMET Sandbox

☐ LHager_Test Revision History
 ☐ gov.noaa.ncdc:C01531_A
 ☐ gov.noaa.ncdc:C01436
 ☐ gov.noaa.ncdc:C01532
 ☐ gov.noaa.ncdc:C01531
 ☐ gov.noaa.ncdc:C01528
 ☒ LHager_Test 7
 ☒ LHager_Test 5
 ☒ LHager_Test 4
 ☒ LHager_Test 3
 ☐ -Enter Description Here-
 ☐ -Internal CoMET Record Name-
 ☐ gov.noaa.ncdc:C01531
 ☐ gov.noaa.ncdc:C01529

Move Records

Select All

Unselect All

- Message appears ‘Records moved successfully!’



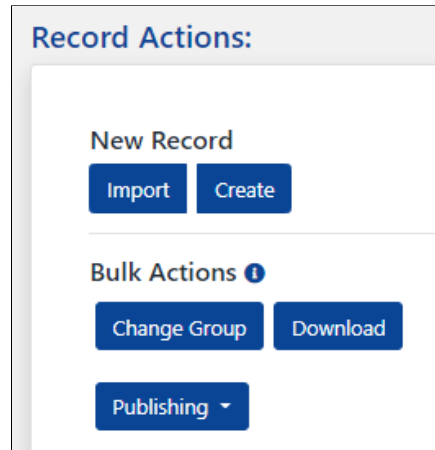
- Metadata Records List of target page reloads

Download

*Note: Action available only to **PUBLISH** user role*

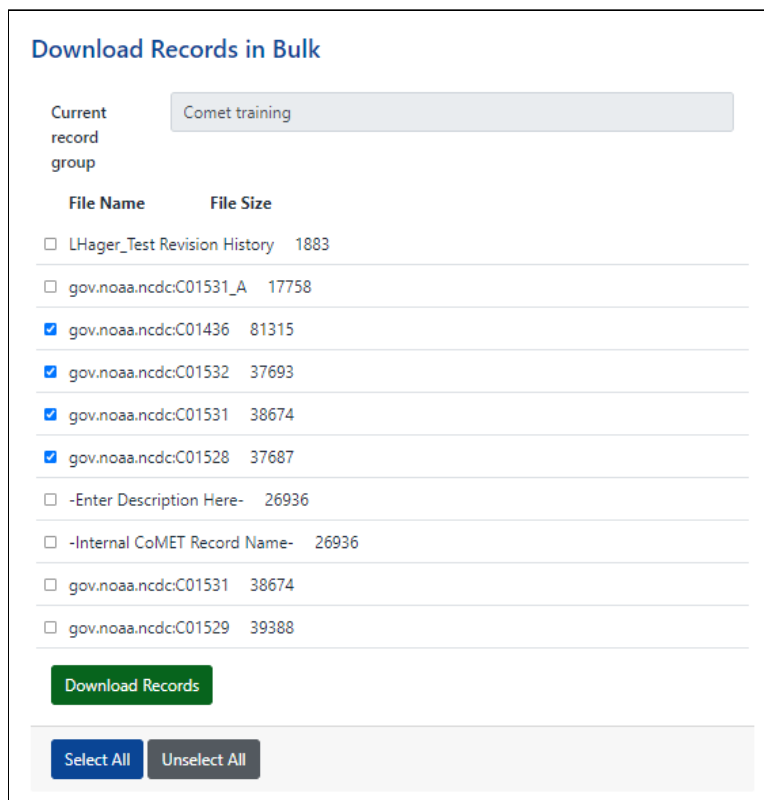
Download one or more XML files to user records

- In Record Actions panel, click 'Download'



The 'Record Actions' panel is a light gray box with a blue header. It contains two sections: 'New Record' with 'Import' and 'Create' buttons, and 'Bulk Actions' with 'Change Group', 'Download', and a 'Publishing' dropdown menu.

- From 'Download Records in Bulk' page, select record(s) to be downloaded
 - May Select All with button at bottom of page
- Click Download Records



The 'Download Records in Bulk' page features a table of records with checkboxes for selection. A green 'Download Records' button is at the bottom, along with 'Select All' and 'Unselect All' buttons.

File Name	File Size
<input type="checkbox"/> LHager_Test Revision History	1883
<input type="checkbox"/> gov.noaa.ncdc:C01531_A	17758
<input checked="" type="checkbox"/> gov.noaa.ncdc:C01436	81315
<input checked="" type="checkbox"/> gov.noaa.ncdc:C01532	37693
<input checked="" type="checkbox"/> gov.noaa.ncdc:C01531	38674
<input checked="" type="checkbox"/> gov.noaa.ncdc:C01528	37687
<input type="checkbox"/> -Enter Description Here-	26936
<input type="checkbox"/> -Internal CoMET Record Name-	26936
<input type="checkbox"/> gov.noaa.ncdc:C01531	38674
<input type="checkbox"/> gov.noaa.ncdc:C01529	39388

- Open folder where records are to be saved
- Enter File Name
 - Records saved in Zip file
 - Click 'Save'

File name: Comet training

Save as type: Compressed (zipped) Folder

Hide Folders

Save Cancel

Publishing

Request to Publish

Once record is complete, submit a request to have it published

- Select 'Request to Publish' from Publishing drop-down

Record Actions:

New Record

Import Create

Bulk Actions ⓘ

Change Group Download

Publishing ▾

Request to Publish

- Publishable Record List is displayed
 - Search records by Content, if desired

Select a Record Group: Comet training

Search content: Search content Search

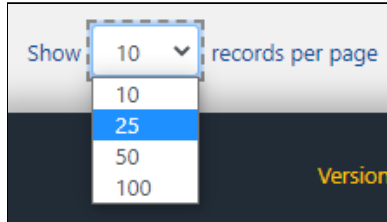
Publishable Record List

Showing 1 to 10 of 12 records

Actions	Description	Edit State	Last Updated by	Last Updated	Date Created
<input type="checkbox"/> View	LHager_Test 8	DRAFT	lori.hager	2021-05-05 12:05:33 EDT	2021-05-05 12:05:33 EDT
<input type="checkbox"/> View	gov.noaa.ncdc:C01436	DRAFT	lori.hager	2021-05-04 15:18:44 EDT	2021-04-19 15:14:19 EDT
<input type="checkbox"/> View	gov.noaa.ncdc:C01532	DRAFT	lori.hager	2021-05-04 15:18:27 EDT	2021-03-24 13:46:50 EDT

Note: To see all records to be published (if greater than 10 and fewer than 100), user must display number of records per page in an amount greater than number of records to be published

- At bottom left of page, click on drop-down box to change number of records to be displayed
 - Default is 10



- Check box(es) next to record(s) to be published
- Click 'Request to Publish'

Select a Record Group: Comet training Search content: gov.noaa.ncdc: Search

Publishable Record List

Showing 1 to 5 of 5 records

Actions	Description	Edit State	Last Updated by	Last Updated	Date Created
<input checked="" type="checkbox"/> View	gov.noaa.ncdc:C01436	DRAFT	lori.hager	2021-05-04 15:18:44 EDT	2021-04-19 15:14:19 EDT
<input checked="" type="checkbox"/> View	gov.noaa.ncdc:C01532	DRAFT	lori.hager	2021-05-04 15:18:27 EDT	2021-03-24 13:46:50 EDT
<input checked="" type="checkbox"/> View	gov.noaa.ncdc:C01531	DRAFT	lori.hager	2021-05-04 15:17:43 EDT	2021-04-06 11:41:25 EDT
<input type="checkbox"/> View	gov.noaa.ncdc:C01528	DRAFT	lori.hager	2021-05-04 15:17:19 EDT	2021-04-06 11:41:21 EDT
<input type="checkbox"/> View	gov.noaa.ncdc:C01531	DRAFT	lori.hager	2021-03-24 13:46:49 EDT	2021-03-24 13:46:49 EDT

Select All Unselect All Request to Publish

- Pop-up box requests 'Enter Reason for Change'
 - Comment is optional but strongly recommended
- Click 'OK'

Enter Reason for Change

Provide optional text to document this request to publish the record(s).

Cancel OK

- Message appears ‘Requested . . . record(s) for publication’
- Metadata Records page reloads
- Edit State changed from ‘DRAFT’ to ‘IN_REVIEW’

Requested 3 record(s) for publication

- Record(s) pushed to Publisher who will review and submit for publishing

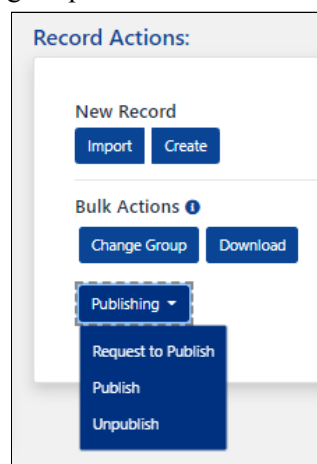
***Note: User must notify Publisher of record(s) awaiting approval
There are no automatic notifications from CoMET***

Publish

Note: Action visible only to PUBLISH user role

Publish record(s)

- Select ‘Publish’ from Publishing drop-down



- Only records with Edit State of ‘IN_REVIEW’ will display

In-Review Record List

Showing 1 to 2 of 2 records

Actions	Description ↕	Edit State ↕	Last Updated by ↕	Last Updated ↕	Date Created ↕
<input type="checkbox"/> View	gov.noaa.ncdc:C01436	IN_REVIEW	lori.hager	2021-05-10 12:06:55 EDT	2021-04-19 15:14:19 EDT
<input type="checkbox"/> View	gov.noaa.ncdc:C01532	IN_REVIEW	lori.hager	2021-05-10 11:49:47 EDT	2021-03-24 13:46:50 EDT
Select All Unselect All					Redraft Approve Approve All

- Check box(es) next to record(s) to be published
- Click 'Approve'

In-Review Record List

Showing 1 to 2 of 2 records

Actions	Description ↕	Edit State ↕	Last Updated by ↕	Last Updated ↕	Date Created ↕
<input checked="" type="checkbox"/> View	gov.noaa.ncdc:C01436	IN_REVIEW	lori.hager	2021-05-10 12:06:55 EDT	2021-04-19 15:14:19 EDT
<input type="checkbox"/> View	gov.noaa.ncdc:C01532	IN_REVIEW	lori.hager	2021-05-10 11:49:47 EDT	2021-03-24 13:46:50 EDT
Select All Unselect All					Redraft Approve Approve All

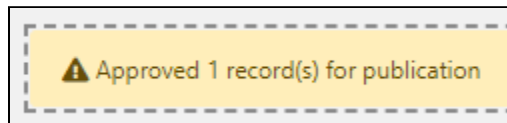
- Pop-up box requests 'Enter Reason for Change'
 - Comment is optional but strongly recommended
- Click 'OK'

Enter Reason for Change

Provide optional text to document this request to publish the record(s).

[Cancel](#)
[OK](#)

- Message appears 'Approved (#) record(s) for publication'



- Metadata Records page reloads
- Edit State changed from 'IN_REVIEW' to 'APPROVED'

Metadata Records List

Showing 1 to 8 of 8 records

Record Actions	Record Name ↕	Edit State ↕	Last Editor ↕	Last Updated ↕	Create Date ↕
Edit Manage View Assess Validate	gov.noaa.ncdc:C01436	APPROVED	lori.hager	2021-05-10 12:15:58 EDT	2021-04-19 15:14:19 EDT
UUID: 7998b3ee-0158-49d4-ab6c-a66ffd66e930					

- After a few minutes page refreshes
 - If ISO data is valid, Edit State changes from ‘APPROVED’ to ‘PUBLISH’

Metadata Records List

Showing 1 to 8 of 8 records

Record Actions	Record Name	Edit State	Last Editor	Last Updated	Create Date
<div><div>Edit</div><div>Manage</div><div>View</div><div>Assess</div><div>Validate</div></div>	gov.noaa.ncdc:C01436	PUBLISH	lori.hager	2021-05-10 12:15:58 EDT	2021-04-19 15:14:19 EDT
UUID: 7998b3ee-0158-49d4-ab6c-a66fd66e930					

- If ISO data is not valid, Edit State changes from ‘APPROVED’ to ‘INVALID’

Metadata Records List

Showing 1 of 1 records

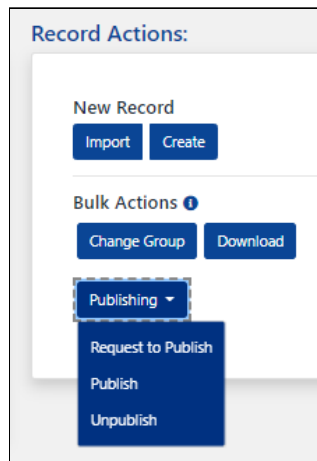
Record Actions	Record Name	Edit State	Last Editor	Last Updated	Create Date
<div><div>Edit</div><div>Manage</div><div>View</div><div>Assess</div><div>Validate</div></div>	Himawari 8 AHI Sectorized L1b Imagery	INVALID	lori.hager	2021-05-12 16:14:38 EDT	2020-02-03 11:38:58 EST
UUID: 9d7dcd0-863b-4aec-91ac-5808037265b					

- Once data is corrected, record may be resubmitted for publishing

Redraft

Change Edit Status from ‘IN_REVIEW’ back to ‘DRAFT’

- Select ‘Publish’ from Publishing drop-down



- Only records with Edit State of ‘IN_REVIEW’ will display

In-Review Record List

Showing 1 of 1 records

Actions	Description ↕	Edit State ↕	Last Updated by ↕	Last Updated ↕	Date Created ↕
<input type="checkbox"/> View	gov.noaa.ncdc:C01532	IN_REVIEW	lori.hager	2021-05-10 11:49:47 EDT	2021-03-24 13:46:50 EDT
Select All Unselect All				Redraft	Approve Approve All

- Check box(es) next to record(s) to whose Edit Status is to be changed back to 'DRAFT'
- Click 'Redraft'

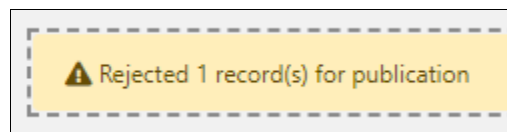
In-Review Record List					
Showing 1 of 1 records					
Actions	Description	Edit State	Last Updated by	Last Updated	Date Created
<input checked="" type="checkbox"/> View	gov.noaa.ncdc:C01532	IN_REVIEW	lori.hager	2021-05-10 11:49:47 EDT	2021-03-24 13:46:50 EDT
<input type="button" value="Select All"/> <input type="button" value="Unselect All"/>		<input type="button" value="Redraft"/> <input type="button" value="Approve"/> <input type="button" value="Approve All"/>			

- Pop-up box requests 'Enter Reason for Change'
 - Comment is optional but strongly recommended
- Click 'OK'

Enter Reason for Change

Provide optional text to document this request to publish the record(s).

- Message appears 'Rejected (#) record(s) for publication'



- Metadata Records page reloads
- Edit State changed from 'IN_REVIEW' back to 'DRAFT'

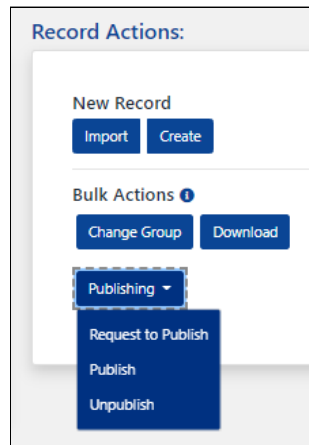
Metadata Records List					
Showing 1 to 8 of 8 records					
Record Actions	Record Name	Edit State	Last Editor	Last Updated	Create Date
<input type="button" value="Edit"/> <input type="button" value="Manage"/> <input type="button" value="View"/> <input type="button" value="Assess"/> <input type="button" value="Validate"/>	gov.noaa.ncdc:C01532	DRAFT	lori.hager	2021-05-10 11:49:47 EDT	2021-03-24 13:46:50 EDT
UUID: 6808f90d-1de1-43af-9887-935b1257661a					

Note: Publisher must notify Editor that record was rejected for publication

Unpublish

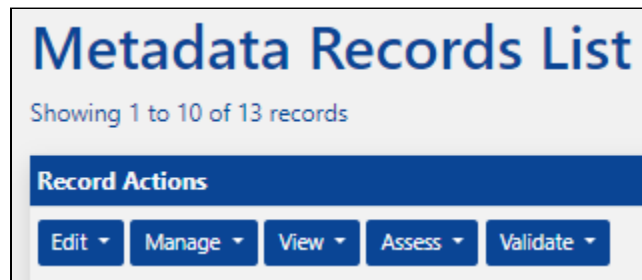
Note: In development

Action visible only to PUBLISH user role



Metadata Records List

- Metadata Records List is a table that meets all filtered requirements and allows various actions to be performed on each record



- [Edit](#)
 - Make changes to record data
- [Manage](#)
 - Create copies of records, review a record's revision history, and delete records
- [View](#)
 - Displays data in various formats
- [Assess](#)
 - Confirms ISO and NOAA compliance
- [Validate](#)
 - Validates data against ISO standard

Edit

Data Management Plan

- In development

Data Stewardship Maturity Questionnaire (DSMQ)

- DSMQ is an easy to use tool for assessing stewardship quality of digital environmental datasets
 - Based on Data Stewardship Maturity Matrix (DSMM)
- If metadata record will be published in OneStop, completing a DSMQ allows user to take advantage of OneStop's unique relevancy ranking feature
 - It may help metadata appear higher in search results
- Future functionality will allow user to generate a Data Stewardship Maturity Report (DSMR) based on answers provided in DSMQ
 - Report may be published under DSMR Technical Information Series with NOAA Central Library's Institutional Repository (IR)
 - Reports submitted to IR receive a Digital Object Identifier (DOI) that can be used for citability and tracking purposes by author
- See [DSMQ](#) instructions

ISO Editor

Note: When Editing a record, if 'No, use blank' was selected when the record was initially created, and the user did not enter data into all of the Required fields, the user receives a 'Validation Failure' message and cannot Save the record again until the missing required data is entered.

If 'Yes, populate with the NCEI template' was selected when the record was initially created, the user does not receive a 'Validation Failure' message, at all. The user must still add the missing data but they are not reminded of that by the program.

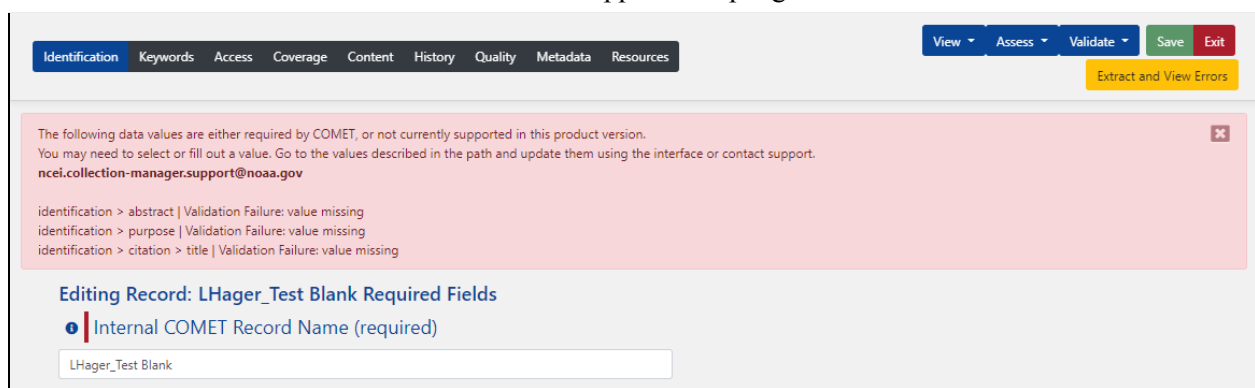
- On Metadata Records List panel, locate record to be edited and select ‘Edit’ drop-down from its row
 - Select ‘ISO Editor’



- Record opens in new tab
- Edit metadata as desired
 - Insert [Docucomp components](#), as needed

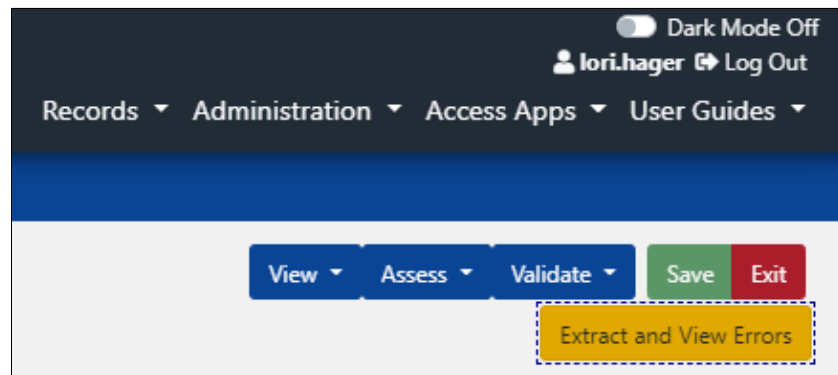
If ‘**No, use blank**’ was selected when record initially created, and data is missing from Description tab, ‘Collection Description’ or ‘Purpose’ OR data is missing from Data Citation tab, ‘Title’

- Receive ‘Validation Failure: value missing’ message
- ‘Extract and View Errors’ button will appear in top right corner



Extract and View Errors

- Click 'Extract and View Errors' in top right corner



- Fields with errors are displayed

The following data values are either required by COMET, or not currently supported in this product version. You may need to select or fill out a value. Go to the values described in the path and update them using the interface or contact support. ncel.collection-manager.support@noaa.gov

identification > abstract | Validation Failure: value missing
identification > purpose | Validation Failure: value missing
identification > citation > title | Validation Failure: value missing

Editing Record: LHager_Test Blank Required Fields

Internal COMET Record Name (required)

LHager_Test Blank

Fields that contain errors

Correct the data or complete the fields. Clicking the **Close Errors** button will return you to the editor.

identification > abstract

Collection Description (required)

Enter Description

Guidance: Describe the content of this data collection. Good practice: Start with 'This data collection contains (measured or calculated variables, model outputs, or other kinds of data) from (a project, program or field campaign)'

This is not a journal/scientific paper abstract or description of your project, program, or field campaign.

identification > purpose

Purpose (required)

Example: This data is available to the public for a wide variety of uses including scientific research and analysis.

Explain the intended use and benefits of the dataset (e.g., These data can be used for weather forecasting and snowpack analysis).

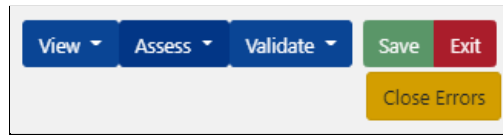
identification > citation > title

Title (required)

Enter a Collection Title

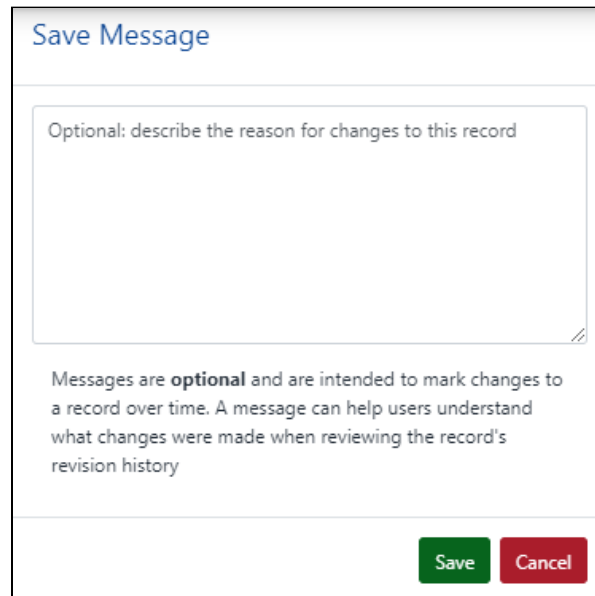
Descriptive title of the dataset being documented. Spell out any acronyms.

- Enter missing data
- Click 'Close Errors'



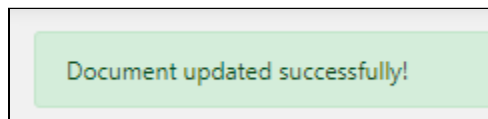
A horizontal toolbar with six buttons. The first three are blue with white text and a small downward arrow: 'View', 'Assess', and 'Validate'. The next two are green with white text: 'Save' and 'Exit'. The last one is yellow with black text: 'Close Errors'.

- Editing Record page reloads
 - Make further edits, as necessary
- Click 'Save'
 - Save Message appears
 - User has option to add reason for changes made to record
 - Comment is optional but strongly recommended
 - Save Messages are included in Revision History



A dialog box titled 'Save Message' in blue text. It contains a large text area with the placeholder text 'Optional: describe the reason for changes to this record'. Below the text area, there is a paragraph of explanatory text: 'Messages are **optional** and are intended to mark changes to a record over time. A message can help users understand what changes were made when reviewing the record's revision history'. At the bottom right, there are two buttons: a green 'Save' button and a red 'Cancel' button.

- Message appears 'Document updated successfully'



A green rectangular message box with a thin black border. Inside, the text 'Document updated successfully!' is displayed in a green, sans-serif font.

- Editing Record page reloads
- **If ‘Yes, populate with the NCEI template’ was selected when record initially created, and data is missing from Description tab, ‘Collection Description’ or ‘Purpose’ OR data is missing from Data Citation tab, ‘Title’**
 - Will not receive ‘Validation Failure: value missing’ message and ‘Extract and View Errors’ button will not appear

***Note: No error messages or alerts are given if required data is not present in record
User must confirm all data has been entered***

Collaborative Editing

- Editors can edit only records within Record Groups to which they belong
- Records cannot be accessed by more than one editor at a time
- For 30 minutes after a record is saved, it becomes locked and cannot be accessed by another user
 - User who saved record may access it again without having to wait 30 minute time limit

Simple Editor (Beta)

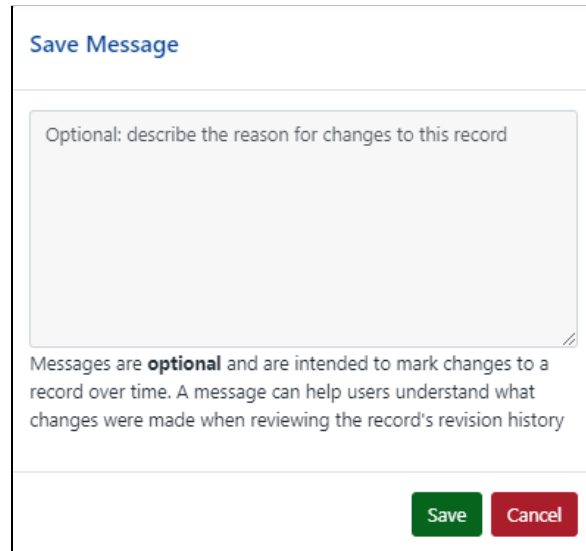
- On Metadata Records List panel, locate record to be edited and select ‘Edit’ drop-down from its row
 - Select ‘Simple Editor’



- Record opens in new tab
- Edit metadata as desired
- Click ‘Save’ button at top right of page OR Save icon at bottom right of page



- Save Message appears
 - User has option to add reason for changes made to record
 - Comment is optional but strongly recommended
 - Save Messages are included in Revision History



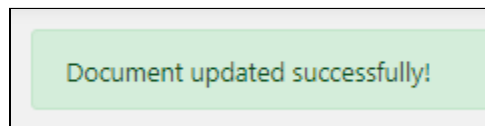
Save Message

Optional: describe the reason for changes to this record

Messages are **optional** and are intended to mark changes to a record over time. A message can help users understand what changes were made when reviewing the record's revision history

Save Cancel

- Message appears 'Document updated successfully'



- Editing Record page reloads

Docucomp Components

Docucomp manages reusable components (pieces of ISO XML) referenced by URLs within collection records, enabling many collections to use the same component, thereby increasing consistency and decreasing maintenance effort; also supports vocabulary services

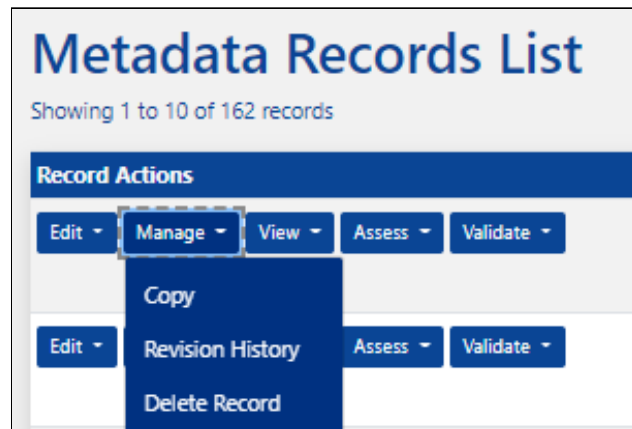
Docucomp User Guide: [Xlinks](#) section

Manage

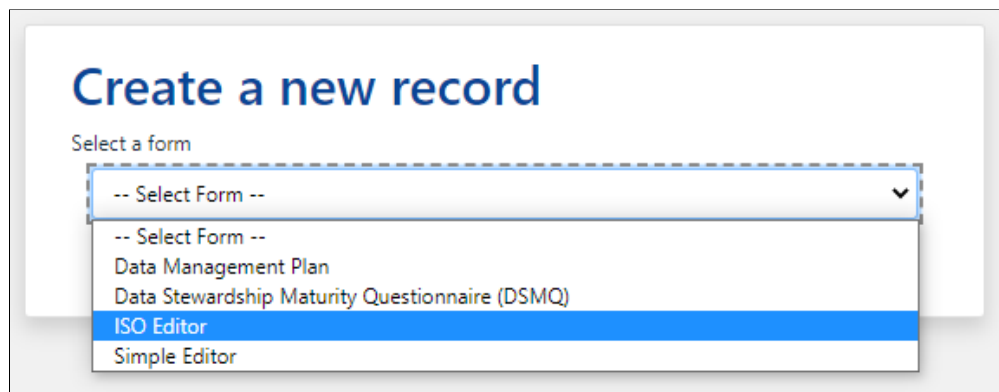
Copy

- If a new record is similar to an existing record, it may be more efficient to make a few changes to a copy
- Users can create templates for records with consistently similar information and copy them for each new record creation

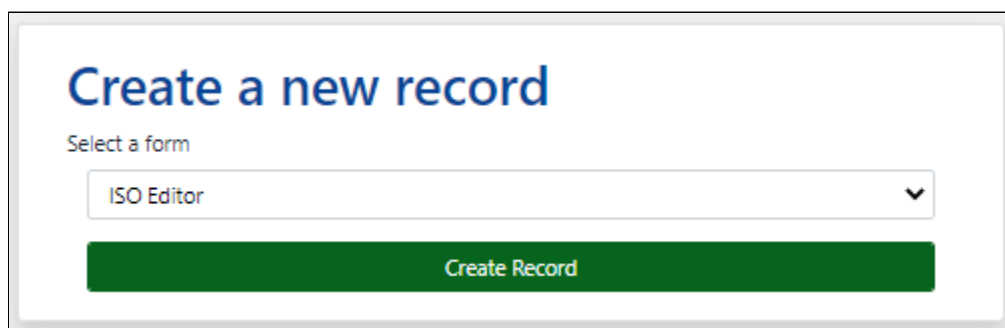
- Can use record in any Edit State - DRAFT, IN_REVIEW, or PUBLISH
- Edit State for copy will be DRAFT, regardless of original's Edit State
- On Metadata Records List panel, locate record to be copied and select 'Manage' drop-down from its row
 - Select 'Copy'



- New tab opens
- From 'Select Form' drop-down, select 'ISO Editor' OR 'Simple Editor'



- Click 'Create Record'



- Identical record created
- Editing page for copy opens
- If form is to have a different title, change it in 'Internal COMET Record Name' field
- Once changes to record are complete, click 'Save'

- Save Message appears
 - User has option to add reason for changes made to record
 - Comment is optional but strongly recommended
 - Save Messages are included in Revision History

- Message appears 'New record . . . created successfully!'
- Metadata Records List page reloads

New record gov.noaa.ncdc:C01436_A created successfully!

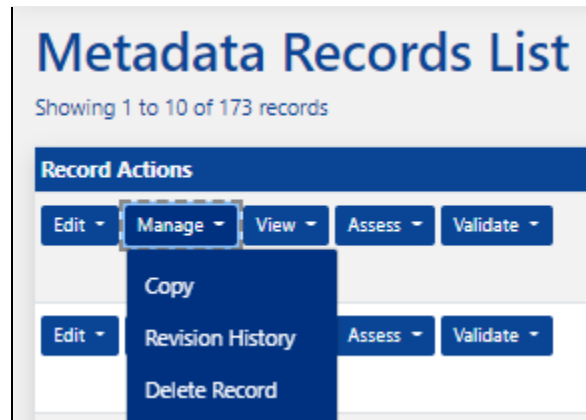
Metadata Records List

Showing 1 to 10 of 20 records

Record Actions	Record Name	Edit State	Last Editor	Last Updated	Create Date
Edit Manage View Assess Validate	gov.noaa.ncdc:C01436_A	DRAFT	lori.hager	2021-05-10 12:55:07 EDT	2021-05-10 12:55:07 EDT
	UUID: 98ba97cd-faa0-4551-8fef-402803137189				
Edit Manage View Assess Validate	gov.noaa.ncdc:C01436	PUBLISH	lori.hager	2021-05-10 12:15:58 EDT	2021-04-19 15:14:19 EDT
	UUID: 7998b3ee-0158-49d4-ab6c-a66ffd66e930				

Revision History

- On Metadata Records List panel, locate record and select 'Manage' drop-down from its row
 - Select 'Revision History'



- Each time a record is saved, Date and Updater are noted
 - If a Message was saved, it is also displayed

LHager_Test Revision History				
Compare Versions		Showing 1 to 5 of 5 records		
Version	Date	Updater	Message	Action
<input type="checkbox"/>	2021-05-13 12:39:04.425	lori.hager	Added text to create Version 5	View XML
<input type="checkbox"/>	2021-05-13 12:38:37.414	lori.hager	Added text to create Version 4	View XML Revert
<input type="checkbox"/>	2021-05-13 12:37:33.246	lori.hager	Added text to create Version 3	View XML Revert
<input type="checkbox"/>	2021-05-13 12:36:59.577	lori.hager	Added text to create Version 2	View XML Revert
<input type="checkbox"/>	2021-05-13 12:36:09.255	lori.hager	To Test Revision History	View XML Revert

Compare Versions

- Check Version boxes of records to be compared
 - Clicking red 'X' in bottom right corner will deselect Version box
- Click 'Compare Versions'

LHager_Test Revision History

[Compare Versions](#)

Showing 1 to 5 of 5 records

Version	Date	Updater	Message	Action
<input checked="" type="checkbox"/>	2021-05-13 12:39:04.425	lori.hager	Added text to create Version 5	View XML
<input type="checkbox"/>	2021-05-13 12:38:37.414	lori.hager	Added text to create Version 4	View XML Revert
<input type="checkbox"/>	2021-05-13 12:37:33.246	lori.hager	Added text to create Version 3	View XML Revert
<input checked="" type="checkbox"/>	2021-05-13 12:36:59.577	lori.hager	Added text to create Version 2	View XML Revert
<input type="checkbox"/>	2021-05-13 12:36:09.255	lori.hager	To Test Revision History	View XML Revert

- Below 'Version', numbers in left column refer to more recent version and numbers in right column refer to older version

Compare Versions

LHager_Test Revision History

Number of differences: 20 differences from 9 lines of code.

Version (1422623) vs. (1422620)		
- 1	1	<?xml version="1.0" encoding="utf-8"?>
2	2	<formModel
3	3	xmlns:gmx="http://www.iso211.org/2005/gmx"
4		xmlns:geo="http://www.iso211.org/2005/geo"
- 5	4	xmlns:src="http://www.iso211.org/2005/src"
6	5	xmlns:xlink="http://www.w3.org/1999/xlink"
7	6	xmlns:gml="http://www.opengis.net/gml/3.2"
8	7	xmlns:gsa="http://www.iso211.org/2005/gsa"
9		xmlns:gsz="http://www.iso211.org/2005/gsz"
10	8	xmlns:ges="http://www.iso211.org/2005/ges"
11		xmlns:gsd="http://www.iso211.org/2005/gsd"
	9	xmlns:gst="http://www.iso211.org/2005/gst"
12	10	xmlns:gmi="http://www.iso211.org/2005/gmi"
13		xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
	11	xmlns:gsd="http://www.iso211.org/2005/gsd"
- 12		xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
	13	xmlns:geo="http://www.iso211.org/2005/geo"
- 14	14	<content></content>
15	15	<orphan>
16	16	<import>
17	17	<standard>ISO 19115-2</standard>

- XML may be viewed from Revision History page
 - Below Action, click ‘View XML’

LHager_Test Revision History				
Compare Versions		Showing 1 to 5 of 5 records		
Version	Date	Updater	Message	Action
<input type="checkbox"/>	2021-05-13 12:39:04.425	lori.hager	Added text to create Version 5	View XML
<input type="checkbox"/>	2021-05-13 12:38:37.414	lori.hager	Added text to create Version 4	View XML Revert
<input type="checkbox"/>	2021-05-13 12:37:33.246	lori.hager	Added text to create Version 3	View XML Revert
<input type="checkbox"/>	2021-05-13 12:36:59.577	lori.hager	Added text to create Version 2	View XML Revert
<input type="checkbox"/>	2021-05-13 12:36:09.255	lori.hager	To Test Revision History	View XML Revert

- XML for selected record appears
 - Click Back arrow button to return to Revision History page

This XML file does not appear to have any style information associated with it. The document tree is shown below.

```
<?xml version="1.0" encoding="UTF-8" standalone="yes" ?>
<formModel xmlns:gm="http://www.isotc211.org/2005/gm" xmlns:sv="http://www.isotc211.org/2005/srv" xmlns:xlink="http://www.w3.org/1999/xlink"
  xmlns:gmi="http://www.isotc211.org/2005/gmi" xmlns:gml="http://www.opengis.net/gml/3.2" xmlns:gts="http://www.isotc211.org/2005/gts"
  xmlns:gsr="http://www.isotc211.org/2005/gsr" xmlns:gss="http://www.isotc211.org/2005/gss" xmlns:gmd="http://www.isotc211.org/2005/gmd"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:gco="http://www.isotc211.org/2005/gco">
  <content/>
  <orphan>
    <import
      <standard>ISO 19115-2</standard>
    </import>
    <gmi:MI_Metadata xsi:schemaLocation="http://www.isotc211.org/2005/gmi http://data.noaa.gov/resources/iso19139/schema.xsd">
      <gmd:identificationInfo>
        <gmd:MD_DataIdentification/>
      </gmd:identificationInfo>
    </gmi:MI_Metadata>
  </orphan>
</formModel>
```


Undo a Change By Reverting To Prior Version

- Recall an earlier version and make it current version
 - On Revision History page check appropriate Version box
 - Clicking red 'X' in bottom right corner will deselect Version box
 - Click its 'Revert' button

LHager_Test Revision History

Compare Versions Showing 1 to 5 of 5 records

Version	Date	Updater	Message	Action
<input type="checkbox"/>	2021-05-13 12:39:04.425	lori.hager	Added text to create Version 5	View XML
<input checked="" type="checkbox"/>	2021-05-13 12:38:37.414	lori.hager	Added text to create Version 4	View XML Revert
<input type="checkbox"/>	2021-05-13 12:37:33.246	lori.hager	Added text to create Version 3	View XML Revert
<input type="checkbox"/>	2021-05-13 12:36:59.577	lori.hager	Added text to create Version 2	View XML Revert
<input type="checkbox"/>	2021-05-13 12:36:09.255	lori.hager	To Test Revision History	View XML Revert



- Click 'OK'

data.noaa.gov says
default.button.revert.confirm.message

[OK](#) [Cancel](#)

- Page opens with Record Details

Record Details	
Record Name	LHager_Test Revision History
Uuid	28a81b5c-a7f3-4a5b-89fc-0f1cd9e00da4
Last Updated by	lori.hager
Last Updated	2021-05-13 13:12:30 EDT
Date Created	2021-05-13 12:36:09 EDT
Edit State	DRAFT
Locked	True
Form	CoMET Sandbox
Record Group	Comet training
Revision #	6
Comet Xml	Show XML

- Revision # is 6
 - Record had 5 versions
 - Version numbers were 1 through 5, with 5 being most recent (counting from bottom up)
 - Version 4 was recalled
 - Copy of version 4 became version 6
 - Next time record is edited, version 6 will be used

LHager_Test Revision History				
Compare Versions		Showing 1 to 6 of 6 records		
Version	Date	Updater	Message	Action
<input type="checkbox"/>	2021-05-13 13:12:30.871	lori.hager		View XML
<input type="checkbox"/>	2021-05-13 12:39:04.425	lori.hager	Added text to create Version 5	View XML Revert
<input type="checkbox"/>	2021-05-13 12:38:37.414	lori.hager	Added text to create Version 4	View XML Revert
<input type="checkbox"/>	2021-05-13 12:37:33.246	lori.hager	Added text to create Version 3	View XML Revert
<input type="checkbox"/>	2021-05-13 12:36:59.577	lori.hager	Added text to create Version 2	View XML Revert
<input type="checkbox"/>	2021-05-13 12:36:09.255	lori.hager	To Test Revision History	View XML Revert

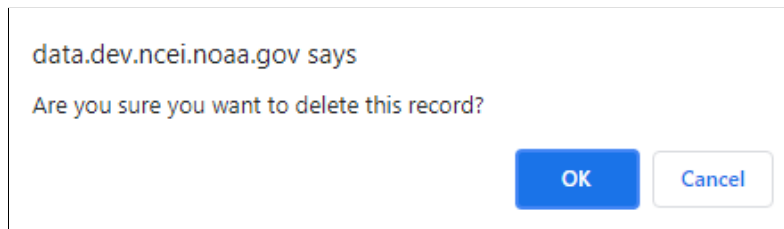
Delete Record

- On Metadata Records List panel, locate record to be deleted and select ‘Manage’ drop-down from its row
 - Select ‘Delete Record’

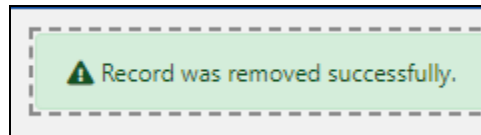
***Note: Delete Record is not an option for records with Edit State of ‘Publish’
Published records cannot be deleted***



- Confirmation message appears
 - Click 'OK'



- Message appears 'Record was removed successfully'

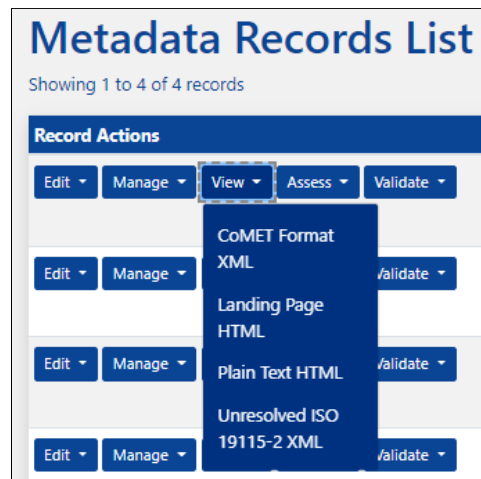


- Metadata Records List page reloads

View

Contents of record may be viewed in various ways

- On Metadata Records List panel, locate record to be viewed and select 'View' drop-down from its row



- New tab opens

CoMET Format XML

Internal format-neutral representation of descriptive information about the collection, includes related DMP and DSMQ information

Example:

This XML file does not appear to have any style information associated with it. The document tree is shown below.


```
<?xml version="1.0" encoding="UTF-8" ?>
<formModel xmlns:gco="http://www.isotc211.org/2005/gco" xmlns:gmd="http://www.isotc211.org/2005/gmd" xmlns:gmi="http://www.isotc211.org/2005/gmi" xmlns:gml="http://www.opengis.net/gml/3.2"
xmlns:gts="http://www.isotc211.org/2005/gts" xmlns:srv="http://www.isotc211.org/2005/srv" xmlns:xlink="http://www.w3.org/1999/xlink" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <identification>
    <hierarchyLevel>dataset</hierarchyLevel>
    <citation>
      <title>NOAA JPSS Visible Infrared Imaging Radiometer Suite (VIIRS) Snow Cover Environmental Data Record (EDR) from NDE</title>
      <edition>Validated</edition>
      <alternateTitle>JPSS-SC-NDE</alternateTitle>
      <date>
        <type>publication</type>
        <value>2017-07-06</value>
      </date>
      <identifier isoOrigin="gmd:MD_Identifier">
        <code xlink:href="https://doi.org/10.7289/V5M043M4" xlink:title="DOI" xlink:actuate="onRequest">doi:10.7289/V5M043M4</code>
      </identifier>
      <identifier isoOrigin="gmd:MD_Identifier">
        <code>gov.noaa.ncdc:C01436</code>
      </identifier>
      <identifier isoOrigin="gmd:MD_Identifier">
        <code>gov.noaa.class:VIIRS_SC</code>
      </identifier>
      <responsibleParty>
        <role>publisher</role>
        <organisation>
          <name>NOAA National Centers for Environmental Information</name>
        </organisation>
      </responsibleParty>
      <responsibleParty>
        <role>principalInvestigator</role>
        <individual>
          <name>Romanov, Peter</name>
        </individual>
        <organisation>
          <name>DOC/NOAA/NESDIS/STAR > Center for Satellite Applications and Research, NESDIS, NOAA, U.S. Department of Commerce</name>
        </organisation>
      </responsibleParty>
      <responsibleParty>
        <role>author</role>
        <individual>
          <name>Romanov, Peter</name>
        </individual>
        <organisation>
          <name>DOC/NOAA/NESDIS/STAR > Center for Satellite Applications and Research, NESDIS, NOAA, U.S. Department of Commerce</name>
        </organisation>
      </responsibleParty>
      <responsibleParty>
        <role>principalInvestigator</role>
        <individual>
          <name>Key, Jeffrey</name>
        </individual>
        <organisation>
          <name>DOC/NOAA/NESDIS/STAR > Center for Satellite Applications and Research, NESDIS, NOAA, U.S. Department of Commerce</name>
        </organisation>
      </responsibleParty>
      <responsibleParty>
        <role>author</role>
        <individual>
          <name>Key, Jeffrey</name>
        </individual>
        <organisation>
          <name>DOC/NOAA/NESDIS/STAR > Center for Satellite Applications and Research, NESDIS, NOAA, U.S. Department of Commerce</name>
        </organisation>
      </responsibleParty>
      <responsibleParty>
        <role>principalInvestigator</role>
        <individual>
          <name>Helfrich, Sean</name>
        </individual>
        <organisation>
          <name>DOC/NOAA/NESDIS/STAR > Center for Satellite Applications and Research, NESDIS, NOAA, U.S. Department of Commerce</name>
        </organisation>
      </responsibleParty>
    </citation>
  </identification>
</formModel>
```


Landing Page HTML

HTML rendering of unresolved metadata content and how it will look on NCEI's Geoportal

- Xlinks are not resolved in this view

Example:

**NOAA** NATIONAL CENTERS FOR ENVIRONMENTAL INFORMATION
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION



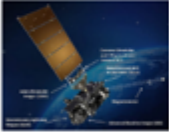
Home Climate Information Data Access Customer Support Contact About

Search

Home > Catalog > Dataset Overview

NOAA GOES-R Series Solar Ultraviolet Imager (SUVI) Instrument Calibration Data

SUVI-INST-CAL-ENG



GOES-R satellite illustration

The Solar Ultraviolet Imager is a telescope that monitors the Sun in the extreme ultraviolet wavelength range. SUVI observes and characterizes complex active regions of the Sun, solar flares, and the eruptions of solar filaments which may give rise to coronal mass ejections. Depending on the size and the trajectory of solar eruptions, the possible effects to near-Earth space and Earth's magnetosphere, referred to as space weather, can cause geomagnetic storms which disrupt power utilities, communication and navigation systems, and may cause radiation damage to orbiting satellites and the International Space Station. SUVI observations of solar flares and solar eruptions provide an early warning of possible impacts to Earth's space.

[Dataset Citation](#)

[Dataset Identifiers](#)

[ISO 19115-2 Metadata](#)


[Show more...](#)

Access Time & Location Documentation Description Credit Keywords Constraints Lineage

Order Data	NOAA Comprehensive Large Array-data Stewardship System (CLASS) Data Search and Order (order) Search the data archive and submit an order for the dataset via the interface
Distribution Formats	<ul style="list-style-type: none">netCDF (Version: 4)
Distributor	Customer Engagement Branch DOC/NOAA/NESDIS/NCEI > National Centers for Environmental Information, NESDIS, NOAA, U.S. Department of Commerce 1-828-271-4800 ncei.orders@noaa.gov
Dataset Point of Contact	Customer Engagement Branch DOC/NOAA/NESDIS/NCEI > National Centers for Environmental Information, NESDIS, NOAA, U.S. Department of Commerce 1-828-271-4800 ncei.orders@noaa.gov

Last Modified: 2021-02-04

For questions about the information on this page, please email: ncei.orders@noaa.gov



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Department of Commerce > NOAA > NESDIS > NCEI

Plain Text HTML

Plain text rendering of unresolved metadata content, which may include elements not presented on Landing Page HTML

Example:

referenceSystemInfo identificationInfo contentInfo distributionInfo dataQualityInfo dataQualityInfo dataQualityInfo metadataMaintenance
<p>NOAA JPSS Visible Infrared Imaging Radiometer Suite (VIIRS) Snow Cover Environmental Data Record (EDR) from NDE</p> <p>(MI_Metadata) fileIdentifier: gov.noaa.ncdc:C01436 language: eng: USA characterSet: (MD_CharacterSetCode) utf8 hierarchyLevel: (MD_ScopeCode) dataset contact: (CI_ResponsibleParty) organisationName: DOC/NOAA/NESDIS/NCEI > National Centers for Environmental Information, NESDIS, NOAA, U.S. Department of Commerce positionName: ISO 19115 Metadata Contact contactInfo: (CI_Contact) phone: (CI_Telephone) voice: 1-828-271-4800 facsimile: 1-828-271-4876 address: (CI_Address) deliveryPoint: 151 Patton Avenue deliveryPoint: Veach-Baley Federal Building, Room 468 city: Asheville administrativeArea: NC postalCode: 28801-5001 country: USA electronicMailAddress: ncei.orders@noaa.gov onlineResource: (CI_OnlineResource) linkage: https://www.ncei.noaa.gov protocol: HTTPS applicationProfile: Web Browser name: NOAA National Centers for Environmental Information (NCEI) description: NCEI home page with information, data access and contact information. function: (CI_OnlineFunctionCode) information hoursOfService: 8:00 - 6:00 Eastern role: (CI_RoleCode) pointOfContact dateStamp: 2019-05-29 metadataStandardName: ISO 19115-2 Geographic Information - Metadata - Part 2: Extensions for Imagery and Gridded Data metadataStandardVersion: ISO 19115-2:2009(E) return to top</p>
<p>referenceSystemInfo: (MD_ReferenceSystem) referenceSystemIdentifier: (RS_Identifier) authority: (CI_Citation) title: EPSG Geodetic Parameter Dataset Registry date: (CI_Date) date: 2008-11-12 dateType: (CI_DateTypeCode) publication citedResponsibleParty: (CI_ResponsibleParty) organisationName: International Association of Oil and Gas Producers (OGP) Geomatics Committee contactInfo: (CI_Contact) onlineResource: (CI_OnlineResource) linkage: http://www.epsg-registry.org/ applicationProfile: Data Search Application name: EPSG Geodetic Parameter Dataset Registry Application</p>

Unresolved ISO 19115-2 XML

Representation of unresolved ISO 19115-2 metadata content represented in ISO 19139-2, which is XML implementation of ISO 19115-2 content standard

Example:

This XML file does not appear to have any style information associated with it. The document tree is shown below.

```
<?xml version="1.0" encoding="UTF-8"?>
<gmd:MI_Metadata xmlns:gml="http://www.isotc211.org/2005/gml" xmlns:gco="http://www.isotc211.org/2005/gco" xmlns:gmd="http://www.isotc211.org/2005/gmd" xmlns:gml="http://www.opengis.net/gml/3.2"
xmlns:gmx="http://www.isotc211.org/2005/gmx" xmlns:gss="http://www.isotc211.org/2005/gss" xmlns:gts="http://www.isotc211.org/2005/gts"
xmlns:srv="http://www.isotc211.org/2005/srv" xmlns:xlink="http://www.w3.org/1999/xlink" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:schemaLocation="http://www.isotc211.org/2005/gml
https://data.noaa.gov/resources/iso19139/schema.xsd" uuid="5369c4a8-7edd-43be-8b21-1218f48d4be9">
  <gmd:fileIdentifier>
    <gco:CharacterString>gov.noaa.ncdc:C01528</gco:CharacterString>
  </gmd:fileIdentifier>
  <gmd:language>
    <gco:CharacterString>eng; USA</gco:CharacterString>
  </gmd:language>
  <gmd:characterSet>
    <gmd:MD_CharacterSetCode codeList="https://data.noaa.gov/resources/iso19139/schema/resources/Codelist/gmxCodeLists.xml#MD_CharacterSetCode" codeListValue="utf8">utf8</gmd:MD_CharacterSetCode>
  </gmd:characterSet>
  <gmd:hierarchyLevel>
    <gmd:MD_ScopeCode codeList="https://data.noaa.gov/resources/iso19139/schema/resources/Codelist/gmxCodeLists.xml#MD_ScopeCode" codeListValue="dataset">dataset</gmd:MD_ScopeCode>
  </gmd:hierarchyLevel>
  <gmd:contact>
    <gmd:CI_Responsibility>
      <gmd:organisationName>
        <gco:CharacterString>DOC/NOAA/NESDIS/NCEI > National Centers for Environmental Information, NESDIS, NOAA, U.S. Department of Commerce</gco:CharacterString>
      </gmd:organisationName>
      <gmd:positionName>
        <gco:CharacterString>ISO 19115 Metadata Contact</gco:CharacterString>
      </gmd:positionName>
      <gmd:contactInfo>
        <gmd:CI_Contact>
          <gmd:phone>
            <gmd:CI_Telephone>
              <gmd:voice>
                <gco:CharacterString>1-828-271-4800</gco:CharacterString>
              </gmd:voice>
              <gmd:facsimile>
                <gco:CharacterString>1-828-271-4876</gco:CharacterString>
              </gmd:facsimile>
            </gmd:CI_Telephone>
          </gmd:phone>
          <gmd:address>
            <gmd:CI_Address>
              <gmd:deliveryPoint>
                <gco:CharacterString>151 Patton Avenue</gco:CharacterString>
              </gmd:deliveryPoint>
              <gmd:deliveryPoint>
                <gco:CharacterString>Veatch-Bailey Federal Building, Room 468</gco:CharacterString>
              </gmd:deliveryPoint>
              <gmd:city>
                <gco:CharacterString>Asheville</gco:CharacterString>
              </gmd:city>
              <gmd:administrativeArea>
                <gco:CharacterString>NC</gco:CharacterString>
              </gmd:administrativeArea>
              <gmd:postalCode>
                <gco:CharacterString>28801-5001</gco:CharacterString>
              </gmd:postalCode>
              <gmd:country>
                <gco:CharacterString>USA</gco:CharacterString>
              </gmd:country>
              <gmd:electronicMailAddress>
                <gco:CharacterString>ncei.orders@noaa.gov</gco:CharacterString>
              </gmd:electronicMailAddress>
            </gmd:CI_Address>
          </gmd:address>
          <gmd:onlineResource>
            <gmd:CI_OnlineResource>
              <gmd:linkage>
```

Assess

Contents of record may be assessed against various rubrics

- On Metadata Records List panel, locate record to be assessed and select 'Assess' drop-down from its row



- New tab opens

Component Analysis

Shows information based on ISO XML tag

- Click link in top right corner to skip to its data

Metadata Identifier: gov.noaa.ncdc:C01532

[Aggregation Info](#) | [Bands](#) | [Citations](#) | [Constraints](#) | [Coverage Descriptions](#) | [Dimensions](#) | [Extents](#) | [Formats](#) | [Geographic Bounding Box](#) | [Georeferenced Information](#) | [Georeferenceable Information](#) | [Identifiers](#) | [Instruments](#) | [Media](#) | [Online Resources](#) | [Operations](#) | [Platforms](#) | [Process Steps](#) | [Range Elements](#) | [Reference Systems](#) | [Responsible Parties](#) | [Series](#) | [Sources](#) | [Signal Grids](#) | [Temporal Extents](#)

MD_DataIdentification

Count	Component	Title	Abstract
1	NOAA GOES-R Series Solar Ultraviolet Imager (SUVI) Instrument Calibration Data	The Solar Ultraviolet Imager is a telescope that monitors the Sun in the extreme ultraviolet wavelength range. SUVI observes and characterizes complex active regions of the Sun, solar flares, and the eruptions of solar filaments which may give rise to coronal mass ejections. Depending on the size and the trajectory of solar eruptions, the possible effects to near-Earth space and Earth's magnetosphere, referred to as space weather, can cause geomagnetic storms which disrupt power utilities, communication and navigation systems, and may cause radiation damage to orbiting satellites and the International Space Station. SUVI observations of solar flares and solar eruptions provide an early warning of possible impacts to Earth's space environment and enable better forecasting of potentially disruptive events on the ground.	

[Top](#)

SV_Identification

none found

[Top](#)

CI_Citation

Count	Component	Title	Date	Citation Identifier
1		GOES-R Calibration Working Group		
1		Global Change Master Directory (GCMD) Data Center Keywords	2018	
1		Global Change Master Directory (GCMD) Instrument Keywords	2018	
1		Global Change Master Directory (GCMD) Platform Keywords	2018	
1		Global Change Master Directory (GCMD) Project Keywords	2018	
1		Global Change Master Directory (GCMD) Science Keywords	2018	
1		NOAA GOES-R Series Solar Ultraviolet Imager (SUVI) Instrument Calibration Data	2015-01-01	gov.noaa.class:SUVINCAL gov.noaa.ncdc:C01532

[Top](#)

CSW Rubric

Identifies ISO metadata elements that support the Open Geospatial Consortium Catalog Services for the Web (CSW) Specification

ISO 19115 Catalog Services for the Web Report

This report identifies ISO metadata elements that support the Open Geospatial Consortium Catalog Services for the Web (CSW) Specification. The elements are listed in three groups: Core Queryables, Core Returnables, and Additional Queryables. The Rubric at the top of the report summarizes the results. Each spiral is represented by a row in the rubric. The columns show the % of the elements in that spiral that exist in the record. Click the spiral name for more details. This report is produced using this [stylesheet](#). Please contact [Ted Habermann](#) if you have questions or suggestions.

Title: NOAA GOES-R Series Extreme Ultraviolet and X-ray Irradiance Sensors (EXIS) Instrument Calibration Data

Total Spiral Score: 29/36

Spiral	None	1-33%	34-66%	67-99%	All
Core Queryables					
Core Returnables					
Additional Queryables					

Core Queryables Score: 10/12

The Open Geospatial Consortium Catalog Services for the Web (CSW) standard defines 12 "Core Queryables" that must be supported in any compliant implementation. Profiles of CSW map these queryables to concepts and xPaths for particular metadata dialects.

Score	Attribute (Count)	Description	Path
1	Subject	Keywords, usually from a shared vocabulary, that describe the topic or theme of the resource. More...	<code>*/gmd:identificationInfo/*/gmd:descriptiveKeywords/gmd:MD_Keywords[gmd:type='theme']/gmd:keyword/gco:CharacterString</code>
1	Subject Thesaurus	A citation to the source for the subject (theme) keywords. This field is not included in the CSW Specification but it is important when keywords from a shared vocabulary are used.	<code>*/gmd:identificationInfo/*/gmd:descriptiveKeywords/gmd:MD_Keywords[gmd:type='theme']/gmd:thesaurusName/gmd:CI_Citation/gmd:title/gco:CharacterString</code>
1	Title	A short description of the resource. The title should be descriptive enough so that when a user is presented with a list of titles the general content of the data set can be determined. More...	<code>*/gmd:identificationInfo/*/gmd:citation/gmd:CI_Citation/gmd:title/gco:CharacterString</code>
1	Abstract	A summary of the content of the resource.	<code>*/gmd:identificationInfo/*/gmd:abstract/gco:CharacterString</code>
1	AnyText	A target for full-text search of character data types in a catalogue.	Many text paths

DOI Rubric

- **Mandatory for DOI Minting**
 - This evaluation tests for the existence of a creator, title, publication date, and publisher in the metadata record and provides a preview of the content
- **Mandatory for Citation**
 - This evaluation tests for the existence of a creator, title, publication date, publisher and DOI in the metadata record and provides a preview of the content
- **Mandatory for Landing Page**
 - This evaluation tests for the existence of all the fields required to provide a useful and meaningful DOI landing page
- **Recommended for Landing Page**
 - This evaluation tests for the existence of all the fields recommended to provide an even more useful and meaningful landing page

Rubric Assessments for Digital Object Identifier Readiness									
Mandatory for DOI Minting									
This evaluation tests for the existence of a creator, title, publication date and publisher in the metadata record and provides a preview of the content. If these values already exist in the metadata then we can automatically mint a DOI from the metadata content. The content used to mint a DOI should be the same as the content in the metadata record.									
Mandatory for Citation									
This evaluation tests for the existence of a creator, title, publication date, publisher and DOI in the metadata record and provides a preview of the content. If these values exist in the metadata then we can automatically generate a recommended citation from the metadata content.									
Creator: (publicationYear), Title, Publisher, DOI.									
Mandatory for Landing Page									
This evaluation tests for the existence of all the fields required to provide a useful and meaningful DOI landing page.									
Recommended for Landing Page									
This evaluation tests for the existence of all the fields recommended to provide an even more useful and meaningful landing page.									
	Results	4 out of 4	4 out of 5	15 out of 19	9 out of 10	ISO Metadata Content and Location			
	Fields	Mandatory for DOI Minting	Mandatory for Citation	Mandatory for Landing Page	Recommended for Landing Page	Field Value	XPath		
Basic Citation Fields	Creator(s) Note					-- GOES-R Algorithm Working Group - principalInvestigator -- GOES-R Algorithm Working Group - author -- GOES-R Series Program - originator -- GOES-R Series Program - author	/gmd:MD_DataIdentification/gmd:citation/gmd:CI_Citation/gmd:citedResponsibleParty/gmd:CI_Responsibility/gmd:role/gmd:CI_RoleCode(text)="originator" or text="principalInvestigator" or text="author" or text="collaborator" or text="resourceProvider" and /gmd:MD_DataIdentification/gmd:citation/gmd:CI_Citation/gmd:citedResponsibleParty/gmd:CI_Responsibility/gmd:organizationName(text)="GOES-R"		
	Publication Year Note					2015	/gmd:MD_DataIdentification/gmd:citation/gmd:CI_Citation/gmd:date/gmd:CI_Date/gmd:dateType/gmd:CI_DateTypeCode(text)="creation" or text="publication" and /gmd:MD_DataIdentification/gmd:citation/gmd:CI_Citation/gmd:date/gmd:CI_Date/gmd:date(text)="2015"		
	Title Note					NOAA GOES-R Series Extreme Ultraviolet and X-ray Irradiance Sensors (EXIS) Instrument Calibration Data	* /gmd:MD_DataIdentification/gmd:citation/gmd:CI_Citation/gmd:title*		
	Publisher(s) Note					-- DOC/NOAA/NESDIS/NOCI > National Centers for Environmental Information, NESDIS, NOAA, U.S. Department of Commerce - publisher	/gmd:MD_DataIdentification/gmd:citation/gmd:CI_Citation/gmd:citedResponsibleParty/gmd:CI_Responsibility/gmd:role/gmd:CI_RoleCode(text)="publisher" and /gmd:MD_DataIdentification/gmd:citation/gmd:CI_Citation/gmd:citedResponsibleParty/gmd:CI_Responsibility/gmd:organizationName(text)="NOAA"		
	DOI Note						/gmd:MD_DataIdentification/gmd:citation/gmd:CI_Citation/gmd:identifier/gmd:MD_Identifier/gmd:code/gmd:Anchor/@xlink:href[contains("doi")]		
	Legal Constraints Code=Other					otherRestrictions otherRestrictions	/gmd:resourceConstraints/gmd:MD_LegalConstraints/gmd:useConstraints/gmd:MD_RestrictionCode/@codeListValue="otherRestrictions"		
	Dataset Citation					Cite this dataset when used as a source	/gmd:resourceConstraints/gmd:MD_LegalConstraints/gmd:otherConstraints[contains("crl")] or /gmd:resourceConstraints/gmd:MD_LegalConstraints/gmd:otherConstraints[contains("crl")]		
	Abstract					The Extreme Ultraviolet and X-ray Irradiance Sensors detect solar soft X-ray irradiance and solar extreme ultraviolet spectral irradiance in the 5-127 nm range. The X-ray Sensor (XRS) monitors solar flares that can disrupt communications and degrade...	/gmd:MD_DataIdentification/gmd:abstract(text)="1"		
	Theme Keywords					*Earth Science > Spectral Engineering > Infrared Wavelengths > Sensor Count *Earth Science > Spectral Engineering > Visible Wavelengths > Sensor Count	/gmd:MD_DataIdentification/gmd:descriptiveKeywords/gmd:MD_Keywords/gmd:type/gmd:MD_KeywordTypeCode/@codeListValue="theme" and /gmd:MD_DataIdentification/gmd:descriptiveKeywords/gmd:MD_Keywords/gmd:keywords(text)="1"		
	Place Keywords						/gmd:MD_DataIdentification/gmd:descriptiveKeywords/gmd:MD_Keywords/gmd:type/gmd:MD_KeywordTypeCode/@codeListValue="place" and /gmd:MD_DataIdentification/gmd:descriptiveKeywords/gmd:MD_Keywords/gmd:keywords(text)="1"		
Descriptive Information	Status					ongoing	/gmd:MD_DataIdentification/gmd:status/gmd:MD_ProgressCode/@codeListValue		
	Maintenance Frequency					continual	/gmd:resourceMaintenance/gmd:MD_MaintenanceInformation/gmd:maintenanceAndUpdateFrequency/gmd:MD_MaintenanceFrequencyCode/@codeListValue		
	Maintenance Notes						/gmd:resourceMaintenance/gmd:MD_MaintenanceInformation/gmd:maintenanceNote(text)="1"		
	Notes								

LEGEND		
Assessment	Results	Explanation
Fields		Content exists in metadata record
		Content missing from metadata record
		Not used for assessment

ISO Rubric V2

Tool to confirm if a record adheres to NOAA metadata best practices
Displays ‘Completeness Score’, as well as scores for each category

Completeness Rubric for NOAA GOES-R Series Solar Ultraviolet Imager (SUVI) Instrument Calibration Data

Completeness Score: 81% + 17

Resource Hierarchy Level: Selected — Status: InDesign

CATEGORY	SCORE + EXTRA CREDIT	RUBRIC REQUIREMENTS
Identification	100% + 3	Required
Access	100% + 0	Conditional - not required when Resource Hierarchy Level = 'FullSession' or 'Status' planned.
Coverage	100% + 1	Required
Content	0% + 0	Conditional - not required when Resource Hierarchy Level = 'FullSession'
History	75% + 5	Required
Quality	0% + 0	Conditional - not required when Resource Hierarchy Level = 'FullSession'
Connections	100% + 1.0	Required
Metadata	100% + 1	Required
Associated Resource	+ 2	Highly Recommended
Attribution	+ 4	Highly Recommended

About Completeness Rubric
More Information
Contact

Identification Access Coverage Content History Quality Connection Metadata Resources Attribution

Identification Category
9/9 +3


The Identification Category provides content needed for basic discovery of the resource. It includes the title, an abstract, theme keywords, point of contact, status and Resource Hierarchy Level.

LABEL (COUNT)	RULE	SCORE	METADATA CONTENT	GUIDANCE: XPATH AND ISO EXPLORER LINKS
Resource Hierarchy Level (1)	Required	1	dataset	/gml:ML_Metadata/gmd:hierarchyLevel/gmd:MD_ScopeCode@codeListValue
Resource Title (1)	Required	1	NOAA GOES-R Series Solar Ultraviolet Imager (SUVI) Instrument Calibration Data	/gmd:MD_DataIdentification/gmd:status/gmd:CI_Citation/gmd:title
Resource ID (2)	Recommended	EC	gov.noaa.class.SUVINCAL gov.noaa.nodc.D01552	/gmd:MD_DataIdentification/gmd:status/gmd:CI_Citation/gmd:identifier/gmd:identifierCode
Abstract (1)	Required	1	The Solar Ultraviolet Imager is a telescope that monitors the Sun in the extreme ultraviolet wavelength range. SUVI observes and characterizes cool, active regions of the Sun, solar flares, and the eruptions of solar filaments which may give rise to L- and M-class solar storms.	/gmd:MD_DataIdentification/gmd:abstract
Purpose (1)	Required	1	This instrument calibration data can be used to evaluate, monitor, and trend sensor performance.	/gmd:MD_DataIdentification/gmd:purpose
Resource Date (1)	Required	1	2015-01-01 - publication	/gmd:MD_DataIdentification/gmd:status/gmd:CI_Citation/gmd:date/gmd:CI_Date or gmd:CI_Date/gmd:date/@gml:reason
Status (1)	Required	1	onGoing	/gmd:MD_DataIdentification/gmd:status/gmd:MD_ProgressCode@codeListValue
Browse Graphic (1)	Recommended	EC	https://www1.nodc.noaa.gov/pub/data/metadata/images/SEIS-INSTR-CAL-ENG.jpg	/gmd:MD_DataIdentification/gmd:graphicOverview/gmd:MD_BrowseGraphic/gmd:fileName
Topic Category (1)	Required	1	climatology/Meteorology/Atmosphere	/gmd:MD_DataIdentification/gmd:topicCategory/gmd:MD_TopicCategoryCode
Theme Keywords (2)	Required	1	Earth Science > Spectral/Engineering > Infrared Wavelengths > Sensor Counts Earth Science > Spectral/Engineering > Visible Wavelengths > Solar Storms	/gmd:MD_DataIdentification/gmd:descriptiveKeywords/gmd:MD_Keywords/gmd:type/gmd:MD_KeywordTypeCode@codeListValue+theme/gmd:keyword
Theme Keyword Thesaurus (1)	Recommended	EC	Global Change Master Directory (GCMD) Science Keywords	/gmd:MD_DataIdentification/gmd:descriptiveKeywords/gmd:MD_Keywords/gmd:type/gmd:MD_KeywordTypeCode@codeListValue+theme/gmd:thesaurusName/gmd:CI_Citation/gmd:title
Resource Contact (1)	Required	1	DOC/NOAA/NESDIS/NCES > National Centers for Environmental Information, NESDIS, NOAA, U.S. Department of Commerce - Customer Engagement Branch - pointOfContact	/gmd:MD_DataIdentification/gmd:status/gmd:CI_Citation/gmd:contact/gmd:responsibleParty/gmd:CI_Responsibility/gmd:role/gmd:CI_RoleCode@codeListValue+pointOfContact/gmd:MD_DataIdentification/gmd:pointOfContact

OneStop Readiness

User Guide for Data Managers: [OneStop Data and Metadata Improvement Tier Guidance v2.1](#)

- If ‘Rubric V2’ has not already been run for record, message appears ‘You need to run the rubric assessment for this record, please do that and refresh this page.’
 - Click ‘Run Rubric V2’ button in message

 You need to run the rubric assessment for this record, please do that and refresh this page. [Run Rubric V2](#)

- Record's Completeness Score page displays

Completeness Rubric for: NOAA Himawari 8 Advanced Himawari Imager (AHI) Level 2 Cloud Top Height from STAR

Completeness Score: 100% + 26.8

Resource Hierarchy Level: 'series' — Status: 'onGoing'

CATEGORY	SCORE + EXTRA CREDIT	RUBRIC REQUIREMENTS
Identification	100% + 3	Required
Access	100% + 1	Conditional - not required when Resource Hierarchy Level = 'fieldSession' or Status = 'planned'
Coverage	100% + 4	Required
Content	100% + 4	Conditional - not required when Resource Hierarchy Level = 'fieldSession'
History	100% + 5	Required
Quality	100% + 1	Conditional - not required when Resource Hierarchy Level = 'fieldSession'
Connections	100% + 8	Required
Metadata	100% + 1	Required
Associated Resource	+ 3	Highly Recommended
Attribution	+ 4	Highly Recommended

About Completeness Rubric
More Information
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Identification Access Coverage Content History Quality Connection Metadata Resources Attribution

Identification Category
9/9 +3

The Identification Category provides content needed for basic discovery of the resource. It includes the title, an abstract, theme keywords, point of contact, status and Resource Hierarchy Level.

LABEL (COUNT)	RULE	SCORE	METADATA CONTENT	GUIDANCE: XPATH AND ISO EXPLORER LINKS
Resource Hierarchy Level (1)	Required	1	series	/gmi:MI_Metadata/gmd:hierarchyLevel/gmd:MD_ScopeCode/@codeListValue
Resource Title (1)	Required	1	NOAA Himawari 8 Advanced Himawari Imager (AHI) Level 2 Cloud Top Height from STAR	/gmd:MD_DataIdentification/gmd:citation/gmd:CI_Citation/gmd:title
Resource ID (1)	Recommended	EC		/gmd:MD_DataIdentification/gmd:citation/gmd:CI_Citation/gmd:identifier/gmd:MD_Identifier/gmd:code
Abstract (1)	Required	1	This dataset contains a high quality level 2 cloud top height product from the Advanced Himawari Imager (AHI) instrument onboard the Himawari-8 satellite that is operated by the Japanese Meteorological Agency (JMA) and is produced operationally by the (etc)	/gmd:MD_DataIdentification/gmd:abstract
Purpose (1)	Required	1	CTH is critical in determining the impact of clouds on the Earth's radiation budget. The dataset is also helpful in aviation for supplementing upper-level cloud information to the ground-based Automated Surface Observing System (ASOS), and military (etc)	/gmd:MD_DataIdentification/gmd:purpose

- Close Completeness Score tab and on Metadata Records List panel, locate same record and select 'Assess' drop-down from its row
 - Select 'OneStop Readiness' to view assessment

Himawari 8 L2 Cloud Height from AHI

Rubric Score: 100%

- ✓ Rubric Score is above 90%
- ✓ URL to a browse graphic thumbnail ([view image](#))
- ✓ Cannot reference another collection in the gmd:parentIdentifier field
- ✓ GCMD Science Keywords
- ✓ GCMD Organisation Keywords
- ✓ GCMD Place Keywords
- ✓ GCMD Keyword thesaurus titles following NOAA's best practice

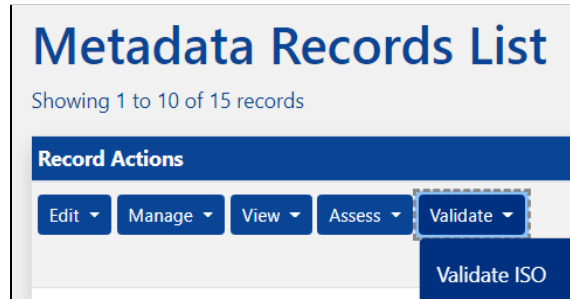
OneStop Readiness Assessment assumes this collection has associated granules that conform to ISO Lite guidance. Currently, granule association is being ignored when tier compliance checks are performed.

Validate

Validate ISO

A metadata record can be validated using the XML Schema Definition (XSD)

- On Metadata Records List panel, locate record to be validated and select ‘Validate’ drop-down
 - Select ‘Validate ISO’



- When validation run finishes, ‘Validate ISO’ page opens in new tab
 - If record is compliant with ISO XSD schema (no issue is found) ‘Validation Result:’ field displays ‘true’



- If record is not compliant with ISO, error messages are shown with line numbers
 - Error message lines are links

Validate: JPSS ATMS SDR for ref ALD

JPSS ATMS SDR for ref ALD

XML
Show XML

Uuid 8bf93f83-4de0-493e-ae4d-d9730fe06730
View Name: convert-comet-to-iso19115-2
Validation Result: false
Validation Summary:

line: 3435, cvc-id.2: There are multiple occurrences of ID value 'boundingGeographicBoundingBox'.

line: 3435, cvc-attribute.3: The value 'boundingGeographicBoundingBox' of attribute 'id' on element 'gmd:EX_GeographicBoundingBox' is not valid with respect to its type, 'ID'.

line: 3539, cvc-id.2: There are multiple occurrences of ID value 'boundingGeographicBoundingBox'.

line: 3539, cvc-attribute.3: The value 'boundingGeographicBoundingBox' of attribute 'id' on element 'gmd:EX_GeographicBoundingBox' is not valid with respect to its type, 'ID'.

- At 'XML', click 'Show XML' to view all XML code
- At 'Validation Summary', click line link to view XML code for error
 - XML code appears above text
- User must refer to ISO Editor form to correct listed errors

Validate: JPSS ATMS SDR for ref ALD

JPSS ATMS SDR for ref ALD

XML
Show XML

```

      <gmd:CI_OnlineFunctionCode codeList="https://data.noaa.gov/resources/iso19139/schema/resources/CodeList/gmxCodeLists.xml"
    </gmd:Function>
    </gmd:CI_OnlineResource>
  </gmd:onlineResource>
3425. </gmd:CI_Contact>
    </gmd:contactInfo>
    <gmd:role gco:nilReason="missing" />
    </gmd:CI_ResponsibleParty>
    </gmd:citedResponsibleParty>
3430. </gmd:CI_Citation>
    </gmd:sourceCitation>
    <gmd:sourceExtent>
    <gmd:EX_Extent>
      <gmd:geographicElement>
3435. <gmd:EX_GeographicBoundingBox id="boundingGeographicBoundingBox">
        <gmd:extentTypeCode>
          <gco:Boolean>1</gco:Boolean>
        </gmd:extentTypeCode>
        <gmd:westBoundLongitude>
3440. <gco:Decimal>-180</gco:Decimal>
        </gmd:westBoundLongitude>
        <gmd:eastBoundLongitude>
          <gco:Decimal>180</gco:Decimal>
        </gmd:eastBoundLongitude>
3445. <gmd:southBoundLatitude>
          <gco:Decimal>-90</gco:Decimal>
        </gmd:southBoundLatitude>
        <gmd:northBoundLatitude>

```

Uuid 8bf93f83-4de0-493e-ae4d-d9730fe06730
View Name: convert-comet-to-iso19115-2
Validation Result: false
Validation Summary:

line: 3435, cvc-id.2: There are multiple occurrences of ID value 'boundingGeographicBoundingBox'.

line: 3435, cvc-attribute.3: The value 'boundingGeographicBoundingBox' of attribute 'id' on element 'gmd:EX_GeographicBoundingBox' is not valid with respect to its type, 'ID'.

line: 3539, cvc-id.2: There are multiple occurrences of ID value 'boundingGeographicBoundingBox'.

line: 3539, cvc-attribute.3: The value 'boundingGeographicBoundingBox' of attribute 'id' on element 'gmd:EX_GeographicBoundingBox' is not valid with respect to its type, 'ID'.

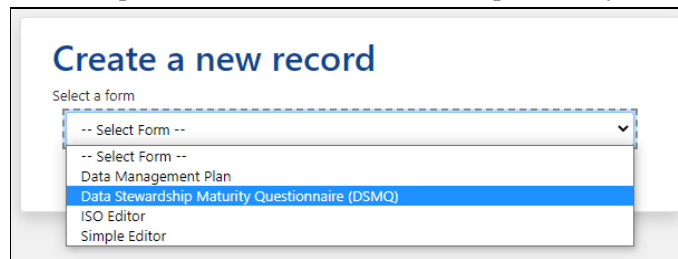
Data Stewardship Maturity Questionnaire (DSMQ)

New Record

New DSMQ records are created one at a time using 'Create' button

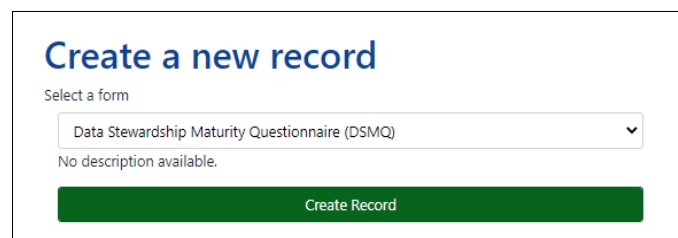
Create

- In Record Actions panel, click 'Create'
- From 'Select a Form' dropdown, select "Data Stewardship Maturity Questionnaire (DSMQ)"



The screenshot shows a web form titled "Create a new record". Below the title is a label "Select a form" and a dropdown menu. The dropdown menu is open, showing a list of options: "-- Select Form --", "-- Select Form --", "Data Management Plan", "Data Stewardship Maturity Questionnaire (DSMQ)", "ISO Editor", and "Simple Editor". The option "Data Stewardship Maturity Questionnaire (DSMQ)" is highlighted in blue.

- Click 'Create Record'



The screenshot shows the same web form titled "Create a new record". The dropdown menu is now closed, and the selected option "Data Stewardship Maturity Questionnaire (DSMQ)" is visible in the dropdown box. Below the dropdown box, the text "No description available." is displayed. At the bottom of the form is a green button labeled "Create Record".

- CoMET/DSMQ defaults to General tab

Note: User may select blue 'Create' button at top center of page or bottom center of page at any point after entering a 'Record Name'

- All fields in all tabs must be completed

Create in NOAA/NESDIS/star/

Record Name* Edit Status: DRAFT

DSMM Questionnaire Evaluate Questionnaire DSMM Questionnaire User Guide

General	Preservability (0/5)	Accessibility (0/5)	Usability (0/5)	Production Sustainability (0/5)	Data Quality Assurance (0/5)
Data Quality Control/Monitoring (0/5)	Data Quality Assessment (0/5)	Transparency/Traceability (0/5)	Data Integrity (0/5)		

A. Dataset short name. [A short name that is descriptive of the data product which, preferably, is 30 or less characters of letters, numbers, hyphen(s) and/or underscore(s) without any space or special characters. For example, NOAA-NSIDC_PMSIC_CDR-v2. More detailed explanation here: <http://tinyurl.com/DSMMguide>.]

B. Dataset title. [Free text for dataset long name, including product version. For example, NOAA/NSIDC Passive Microwave Sea Ice Concentration Climate Data Record (CDR), Version 2.]

C. Dataset information URL(s). [Online resource of dataset, including Digital Object Identifier (DOI) landing page. For example, <http://nsidc.org/data/G02202/>.]

D. Dataset abstract. (A short and general description of the data collection as that in the collection-level metadata record.)

- At C., click ‘Add Information URL’
 - Enter URL in field
 - Click red trashcan to delete URL

C. Dataset information URL(s). [Online resource of dataset, including Digital Object Identifier (DOI) landing page. For example, <http://nsidc.org/data/G02202/>.]

+ Add Information URL

- Click ‘Next’ at bottom of page to move to next tab

- OR go back to top of page and select desired tab

General	Preservability (0/5)	Accessibility (0/5)	Usability (0/5)	Production Sustainability (0/5)	Data Quality Assurance (0/5)
Data Quality Control/Monitoring (0/5)	Data Quality Assessment (0/5)	Transparency/Traceability (0/5)	Data Integrity (0/5)		

- Tooltips with additional information will appear when user hovers cursor over underlined text

C. Dataset information URL(s). [Online resource of dataset, including Digital Object Identifier (DOI) landing page. For example, <http://nsidc.org/data/G02202/>.]

+ Add Information URL

Persistent unique identifier assigned by an external organization and standardized by the International Organization for Standardization (ISO).

- Some responses open additional questions, e.g. at 4.1, selecting response ‘c’ opens question 4.1c

Product Sustainability: The state of data production being sustainable and extensible.

4.1 What best describes the level of commitment for continuously maintaining the dataset online and extending the dataset?

☐ a) The production of the dataset is Ad Hoc. (A dataset existed or maintained as a result of someones research interest.)

☐ b) The sustainability of the dataset is tied to the obligations of a grant.

☒ c) The production of the dataset is sustained by institution or international support. [e.g., OISST vs national or international support (e.g., USCRN, GHRST, etc.).]

4.1c What institution or international support sustains the production of the dataset? Please provide a URL. [e.g., Optimum Interpolation Sea Surface Temperature (OISST) vs national or international support [e.g., U.S. Climate Reference Networks (USCRN), Group for High Resolution Sea Surface Temperature (GHRST), etc.]]

- To save initial data, click ‘Create’ at top of page

Create in NOAA/NESDIS/star/

Record Name* Edit Status: DRAFT

- Or click ‘Create’ at bottom of page

- User may go back later to edit record

- If data is missing from 'Dataset Short Name', 'Dataset Title' or 'Dataset Abstract' fields, fields will briefly highlight as pink

Create in NOAA/NESDIS/star/

Record Name* Edit Status: DRAFT Create

DSMM Questionnaire

[Evaluate Questionnaire](#) [DSMM Questionnaire User Guide](#)

General	Preservability (0/5)	Accessibility (0/5)	Usability (0/5)	Production Sustainability (0/5)	Data Quality Assurance (0/5)
Data Quality Control/Monitoring (0/5)	Data Quality Assessment (0/5)	Transparency/Traceability (0/5)	Data Integrity (0/5)		

A. Dataset short name. [A short name that is descriptive of the data product which, preferably, is 30 or less characters of letters, numbers, hyphen(s) and/or underscore(s) without any space or special characters. For example, NOAA-NSIDC_PMSIC_CDR-v2. More detailed explanation here: <http://tinyurl.com/DSMMguide>.]

B. Dataset title. [Free text for dataset long name, including product version. For example, NOAA/NSIDC Passive Microwave Sea Ice Concentration Climate Data Record (CDR), Version 2.]

C. Dataset information URL(s). [Online resource of dataset, including [Digital Object Identifier \(DOI\)](#) landing page. For example, <http://nsidc.org/data/G02202/>.]

D. Dataset abstract. (A short and general description of the data collection as that in the collection-level metadata record.)

E. Data provider point-of-contact. [Each entry is grouped by Name (First Last), email, and affiliation of data provider(s). For example, Walter Meier, Walt.Meier@nasa.gov, NASA Goddard Space Flight Center (GSFC).]

- Message appears 'Record created successfully'
- Metadata Records List page reloads
 - New record at top of Metadata Records List

Metadata Records List

Showing 1 to 10 of 21 records

Record Actions	Record Name	Edit State	Last Editor	Last Updated	Create Date
Edit Manage View Assess Validate	LHager_Test 8	DRAFT	lori.hager	2021-05-11 15:41:14 EDT	2021-05-11 15:41:14 EDT

UUID: 217cb19f-3bb1-4eae-8dab-12da17df7d3c

Edit

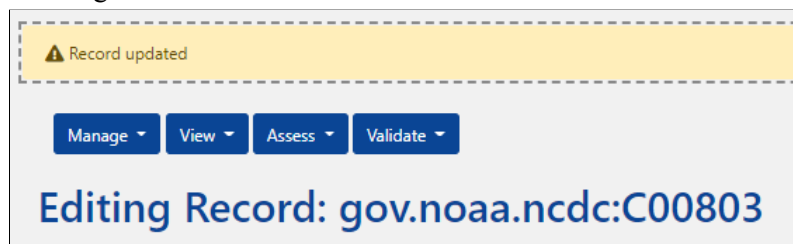
- On Metadata Records List panel, locate record to be edited and select 'Edit' drop-down from its row
 - Select 'Data Stewardship Maturity Questionnaire (DSMQ)'



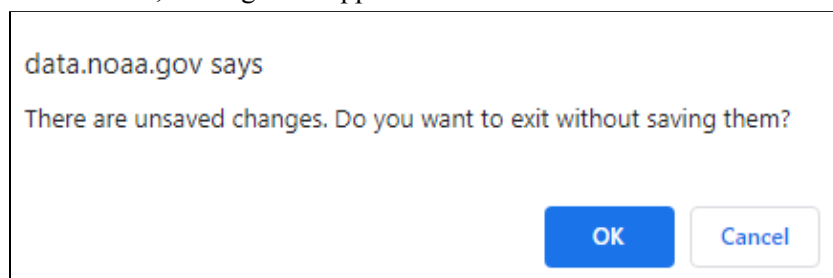
- Record opens in new tab
- Edit Metadata as desired
- Click 'Save' at top right of page or bottom of page



- Message appears 'Record updated'
- Editing Record Page Reloads



- If 'Exit' was selected and no changes made to record, page reloads to Metadata Records List
- If changes were made, message box appears



- To exit without saving changes, click OK
- To save changes, click Cancel, then Save

Evaluate Questionnaire

- User may utilize ‘Evaluate Questionnaire’ functionality at any point in Editing process to receive a maturity score for each section of questionnaire
 - Click ‘Evaluate Questionnaire’



- Each tab displays its Evaluation score
 - All questions in a tab must be answered to produce a score

General	Preservability (5/5)	Accessibility (1.5/5)	Usability (1.5/5)	Production Sustainability (2.5/5)	Data Quality Assurance (2/5)
Data Quality Control/Monitoring (2.66/5)	Data Quality Assessment (0/5)	Transparency/Traceability (1/5)	Data Integrity (5/5)		

- If record originally created in ISO Editor Record Name, Dataset Title and Dataset Abstract are automatically entered in DSMQ record

API

CoMET API gives users the ability to write programs (scripts) to create/import, export, update, and delete single or multiple ISO records in a Record Group. All examples in this user guide are currently written in Bash.

Requirements

- Users must have a @noaa.gov email account with CoMET
- User must be assigned to recordGroup they are trying to interact with programmatically
- To be added to a recordGroup, email ncei.collection-manager.support@noaa.gov

Basic CRUD Operations Supported by API:

- Create
 - Create metadata record(s) via HTTP POST request
- Read
 - View or Export metadata record(s) via HTTP GET request (Export API)
- Update
 - Change existing record via HTTP PUT request
- Delete
 - Remove existing record via HTTP DELETE request

Common URL Query Parameters

Note: all Query Parameters are passed as string values

- username and password
- recordGroup
 - CoMET Record Group into which records will be imported or queried
- description
 - Internal CoMET Record Name
- transform
 - Importing: typically 'convert-iso19115-2-to-comet'
 - Exporting: typically 'convert-comet-to-iso19115-2'
- format
 - XML, text, or JSON
- uuid
 - CoMET generates if not provided
 - UUID string required to Read (Export), Update, and Delete records
- editState
 - Designate 'editState' = 'APPROVED' as a parameter for automatic publication
- since
 - date value (2016-03-01T09:10:00)
- max
 - maximum results returned

Log In

Users must first establish a user session in order to create, read/view, update, or delete metadata. Sessions are established by sending login credentials via an HTTP request to the login URL.

Note: A cookie will be created and used while interacting with the COMET API as long as the session stays alive

API Endpoint: <https://data.noaa.gov/cedit/login/wsLogin>

API Request: POST

Required Query Parameters:

- username:
 - Email address without '@noaa.gov'
- password:
 - Email password

'Log In' example:

```
#!/usr/bin/env bash

export
COMET_LOGIN_URL="https://data.noaa.gov/cedit/login/wsLogin"

DEFAULT_USERNAME="firstname.lastname"
echo -n "Enter username [$DEFAULT_USERNAME]: "
read USERNAME
if [ "$USERNAME" == "" ]; then
    USERNAME=$DEFAULT_USERNAME;
fi

echo -n "Enter password for $USERNAME: "
read -s PASSWORD
echo ""

CREDENTIALS="username=$USERNAME&password=$PASSWORD"

curl --data "$CREDENTIALS" \
-X "POST" \
-k \
"$COMET_LOGIN_URL" \
--cookie-jar cookies.txt \
```

Create

API Endpoint: <https://data.noaa.gov/cedit/metadata/import>

API Request: POST

Required Query Parameters: recordGroup, transform

'Create' example:

```
#!/bin/bash
export COMET_URL="https://data.noaa.gov/cedit"

RECORD_GROUP="CoMET"
IMPORT_FILE="$1"
IMPORT_TITLE=$2
TRANSFORM="convert-iso19115-2-to-comet"
UUID="$3"
EDIT_STATE="APPROVED"
curl --cookie cookies.txt \
  -X "POST" \
  -H "Content-Type: application/xml" \
  -k \
  --data-binary @"$IMPORT_FILE" \

"$COMET_URL/metadata/import?recordGroup=$RECORD_GROUP&description=$IMPORT_TITLE&transform=$TRANSFORM&format=&uuid=$UUID&editState=APPROVED"

echo
"$COMET_URL/metadata/import?recordGroup=$RECORD_GROUP&description=$IMPORT_TITLE&transform=$TRANSFORM&editState=$EDIT_STATE"
```

Read/Export

API Endpoint: [https://data.noaa.gov/cedit/metadata/\\$uuid](https://data.noaa.gov/cedit/metadata/$uuid)

API Request: GET

Required URL Path parameter:

- \$uuid
 - Example uuid: 94306b70-1441-458f-83bf-9a338dda4dab
 - Example full URL path:
<https://data.noaa.gov/cedit/metadata/94306b70-1441-458f-83bf-9a338dda4dab>

‘Export’ example:

```
#!/bin/bash

export COMET_URL="https://data.noaa.gov/cedit"

if [ $# -ne 2 ]; then
    echo "Exporting with UUID as Filename."
    FILENAME=$1
    echo -e "\n"
else
    echo "Exporting with $2 as Filename."
    FILENAME=$2
fi

curl --cookie cookies.txt \
-X "GET" \
-k\

"$COMET_URL/metadata/$1?transform=convert-comet-to-iso19115-2"
> ${FILENAME}.xml
```

Update

API Endpoint: [https://data.noaa.gov/cedit/metadata/\\$uuid](https://data.noaa.gov/cedit/metadata/$uuid)

API Request: PUT

Required URL Path parameter:

- \$uuid
 - Example uuid: 94306b70-1441-458f-83bf-9a338dda4dab
 - Example full URL path:
<https://data.noaa.gov/cedit/metadata/94306b70-1441-458f-83bf-9a338dda4dab>

‘Update’ example:

```
#!/bin/bash
# update
export COMET_URL="https://data.noaa.gov/cedit"

if [ $# -ne 3 ]; then
    echo "usage: $0 ISO_XML TITLE UUID"
    exit 2
fi

XML_FILE="$1"
DESCRIPTION="$2"
UUID="$3"
TRANSFORM="convert-iso19115-2-to-comet"

curl --cookie cookies.txt \
    -X "PUT" \
    -H "Content-Type: application/xml" \
    -k \
    --data-binary @"$XML_FILE" \

"$COMET_URL/metadata/$UUID?description=$DESCRIPTION&transform=$
TRANSFORM&editState=DRAFT"
```


Delete

API Endpoint: [https://data.noaa.gov/cedit/metadata/\\$uuid](https://data.noaa.gov/cedit/metadata/$uuid)

API Request: DELETE

Required URL Path parameter:

- \$uuid
 - Example uuid: 94306b70-1441-458f-83bf-9a338dda4dab
 - Example full URL path:
<https://data.noaa.gov/cedit/metadata/94306b70-1441-458f-83bf-9a338dda4dab>

'Delete' example:

```
#!/bin/bash

export COMET_URL="https://data.noaa.gov/cedit"

if [ $# -lt 1 ]; then
    echo "usage: $0 UUID [UUID ...]"
    exit 2
fi

for uuid in $@; do
    curl --cookie cookies.txt \
        -X "DELETE" -k \
        "$COMET_URL/metadata/$uuid?format=text"
done
```

Search

API Endpoint: <https://data.noaa.gov/cedit/metadata/search>

API Request: GET

Required Query Parameter: recordGroup

‘Search’ example:

```
#!/bin/bash

export COMET_URL="https://data.noaa.gov/cedit"

TIME_SINCE="2016-03-01T09:10:00"
EDIT_STATE="COMPLETED"
MAX_RECORDS="1000"
OUTPUT="xml"

output=$(curl --cookie cookies.txt \
-X "GET" \
-k \

"$COMET_URL/metadata/search?recordGroup=CoMET&max=$MAX_RECORDS&format=text")

echo $output
```

Example Search Results

Operational URL:

https://data.noaa.gov/cedit/metadata/search?recordGroup=NOAA/NESDIS/NGDC/MGG/passive_acoustic/&format=json

Results:

```
{
  message: "success",
  status: 200,
  totalCount: 372,
  - metadata: [
    - {
      fileIdIdentifier: null,
      name: "gov.noaa.ncei.pad:NOAA-Navy-SanctSound_OC04_02_TOL_1h",
      uuid: "1487f008-ae91-4c45-ac19-97b1ec30ba15"
    },
    - {
      fileIdIdentifier: null,
      name: "gov.noaa.ncei.pad:NOAA-Navy-SanctSound_OC04_02_PSD_1h",
      uuid: "f6240f21-c026-410c-8b4e-e88970be115a"
    },
    - {
      fileIdIdentifier: null,
      name: "gov.noaa.ncei.pad:NOAA-Navy-SanctSound_OC04_02_OL_1h",
      uuid: "49ab9bea-7bae-4b92-9371-7175fb7c9e48"
    },
  ],
}
```

More Code Examples

- For more API code examples, visit <https://git.ncei.noaa.gov/emma/comet-demo>
 - Available to NCEI employees only

Appendix

Glossary of Terms

1. **Collection** - group of environmental data or products that share common characteristics, is represented by a single metadata record, and consists of one or more granules
 - a. Also referred to as datasets
2. **Data Group** - a superset of collections
3. **Data Management Plan** - plan to ensure that data are properly documented, made accessible, and preserved for future use
4. **Data Stewardship Maturity Matrix (DSMM)** - a unified framework for measuring stewardship maturity of environmental datasets
5. **Data Stewardship Maturity Questionnaire (DSMQ)** - method to create a DSMM assessment
 - a. DSMQ is a more consistent and scalable approach than manual DSMM assessments
6. **Data Stewardship Maturity Report (DSMR)** - ISO standard-based dataset-level quality metadata and data stewardship maturity report generated from DSMM assessment
7. **Docucomp** - tool to create and edit reusable ISO XML components
8. **Edit States**
 - a. DRAFT - default state assigned to record after being imported or created
 - i. Record is available for editing
 - b. IN_REVIEW - state of record once it has been requested to be published
 - i. Designates record is awaiting approval by Publisher
 - c. APPROVED - state of record once Publisher approves publication request and record is sent to a WAF for publication and harvest
 - d. PUBLISH - if XML passes validation, CoMET automatically changes record's state from APPROVED to PUBLISH
 - e. INVALID - If XML does not pass validation, CoMET automatically changes record's state from APPROVED to INVALID
 - i. User must correct metadata and resubmit
9. **Form Validation** - ISO Editor's validation that ensures required content is present
10. **ISO Editor** - a metadata creation and editing tool within CoMET. Provides form validation to ensure required information is present
11. **ISO Validation** - Validates against ISO XML schema
12. **JSON (Javascript Object Notation)** - lightweight data-exchange format
13. **Publish** - sends metadata record to review queue for a Publisher to approve or reject
 - a. Once published, record is accessible on its associated WAF and OneStop
14. **Record Group** - related or associated metadata records managed by a team or project
15. **Record Name** - record title for CoMET
 - a. Record Name is not inserted into ISO XML
 - b. Recommended to use record fileIdentifier as Record Name
 - c. CoMET automatically assigns fileIdentifier as Record Name when ISO XML record is imported

16. **Relevancy Ranking** - process of sorting search results so that files which are most likely to be relevant to query are shown at top
17. **Universal Unique Identifier (UUID)** - required unique character string used to identify records
 - a. UUIDs are manually assigned or auto-generated, written into XML within UUID attribute in MI_Metadata root element, and required for managing records via CoMET API
18. **User Roles**
 - a. READONLY - default role assigned to external users that provides read only access to forms and records
 - b. EDIT - default role assigned to internal users that allows creation and editing of records
 - c. GROUP - in addition to abilities assigned to EDIT user role, GROUP users may edit forms and add or remove users from form group
 - d. PUBLISH - in addition to abilities assigned to EDIT and GROUP user roles, Publishers can move records between groups, download XML files, and approve publish requests from editors
 - e. ADMIN - in addition to abilities assigned to EDIT, GROUP, and PUBLISH user roles, Admin includes additional administrative abilities such as creating user accounts, assigning user permissions, editing forms, thesaurus maintenance, etc
19. **WAF** - Web Accessible Folder

Change Log

Revision Number	Description of Change	Author	Date
A	Content revised to follow order of actions in CoMET database; descriptions of actions revised to be more concise	L Hager	6/28/2021
B	Updated version number on title page and footer; added Publish user role and actions; included user interface upgrades; updated screenshots; added 'Simple Editor' section; added 'OneStop Readiness' section; deleted 'View Record' button from Compare Versions page; deleted 'Commit' button from DSMQ section; updated API instructions; updated document title	L Hager, C. Luquire	8/13/2021