

Metaserver User Guide

Production Version 1.9.3

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Contact Information

Send questions, feedback, issues, and bugs regarding this guide to the Collection Manager Support email at ncei.collection-manager.support@noaa.gov. If an issue or bug, include 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 and Jerri Lynn Reeves for their technical input

Overview

Metaserver provides CoMET-like services without creating a metadata record, resolves xlinks, and translates between different XML standards.

It is responsible for Web Accessible Folders (WAF) configuration and management, storing and tracking metrics, and the frequency of processing those WAFs.

Record services includes validating a metadata record, checking for bad links, resolving, and rubric V2 compliance.

Helpful Quickfacts

1. ISO 19139 XML is the implementation of ISO 19115-2 XML
2. If a user updates an in-use XML Component in Docucomp, user must republish records in CoMET OR run a WAF on demand in Metaserver

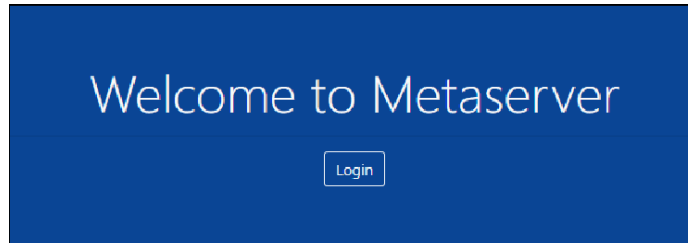
New Users

Note: Manager must approve access

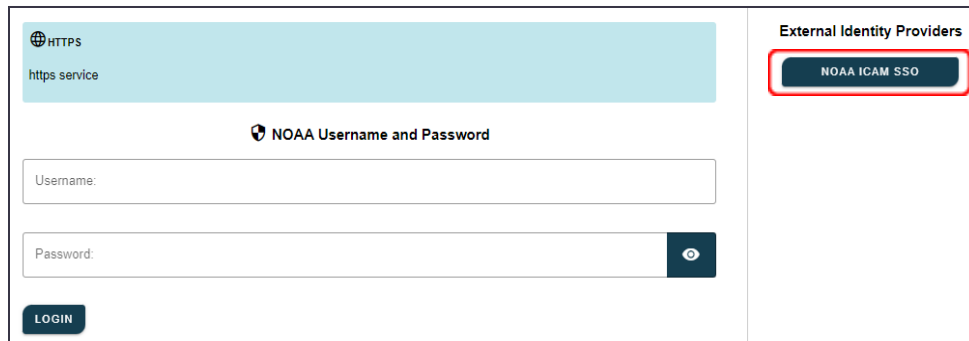
- Email: ncei.collection-manager.support@noaa.gov
- Subject:
 - New User for Metaserver for *employee name*
- Body:
 - Employee's Contact information
 - Associated program or agency
 - Intended usage

Log In

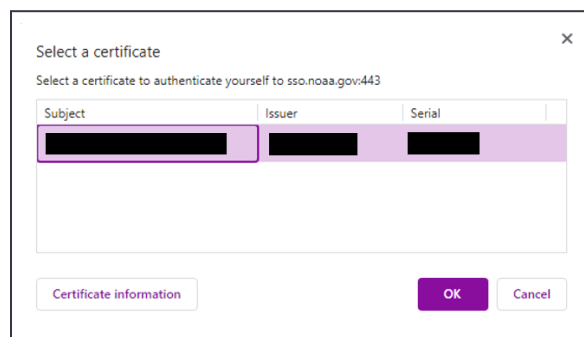
- Access Metaserver at <https://data.noaa.gov/metaserver/>
- Select 'Login'



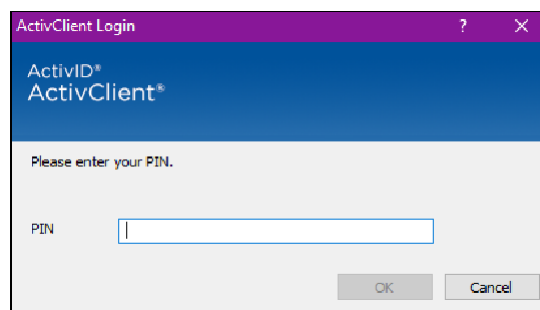
- Enter Username (email address without @noaa.gov) and email password OR click 'NOAA ICAM SSO' button

A login form with a light blue header bar containing "HTTPS" and "https service". Below the header is a section titled "NOAA Username and Password" with a shield icon. It contains two input fields: "Username:" and "Password:". The "Password:" field has a toggle icon. Below the fields is a "LOGIN" button. To the right of the form is a sidebar titled "External Identity Providers" with a button labeled "NOAA ICAM SSO" highlighted with a red border.

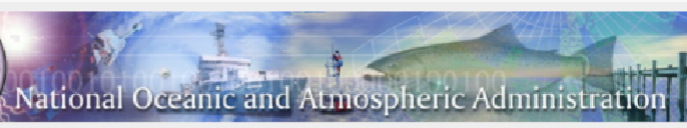

- 'Select a certificate', if prompted
 - Select same certificate used when logging into work computer



- Enter CAC PIN



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



WARNING

You are accessing a U.S. Government information system, which includes:

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

You understand and consent to the following:

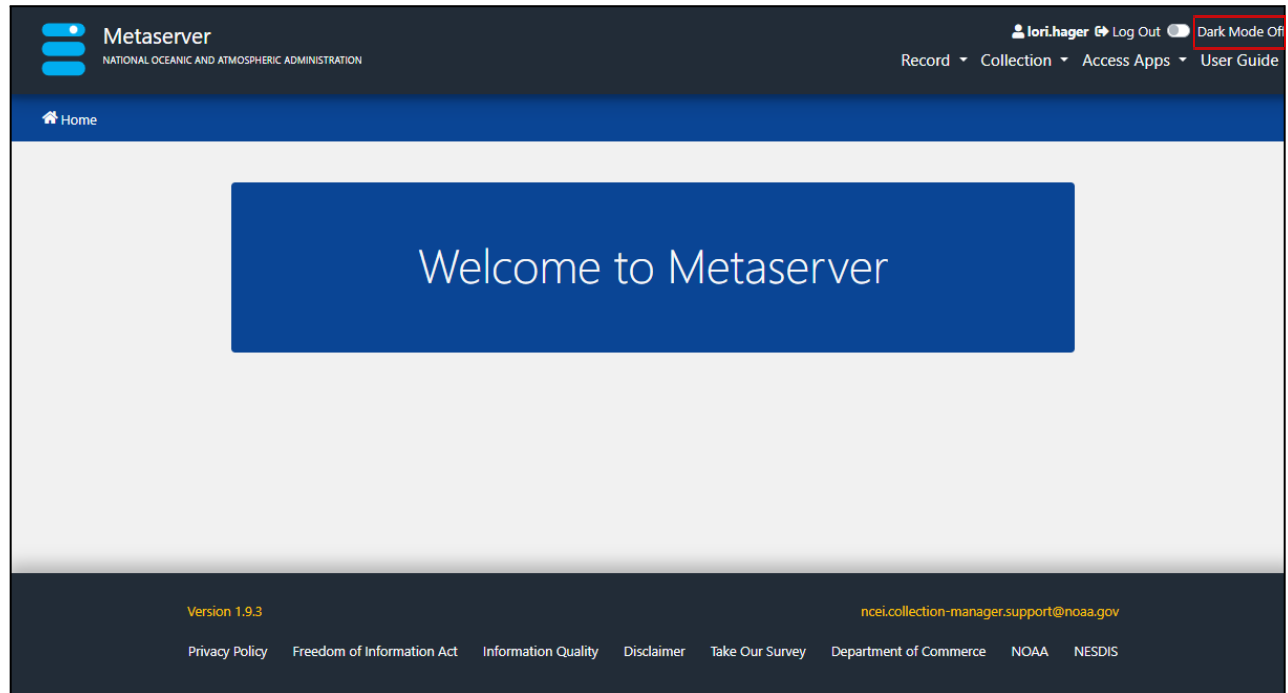
- You may access this information system for authorized use only.
- Unauthorized use of the system is prohibited and subject to criminal and civil penalties.
- You have no reasonable expectation of privacy regarding any communication or data transiting or stored on this information system at any time 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.

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.

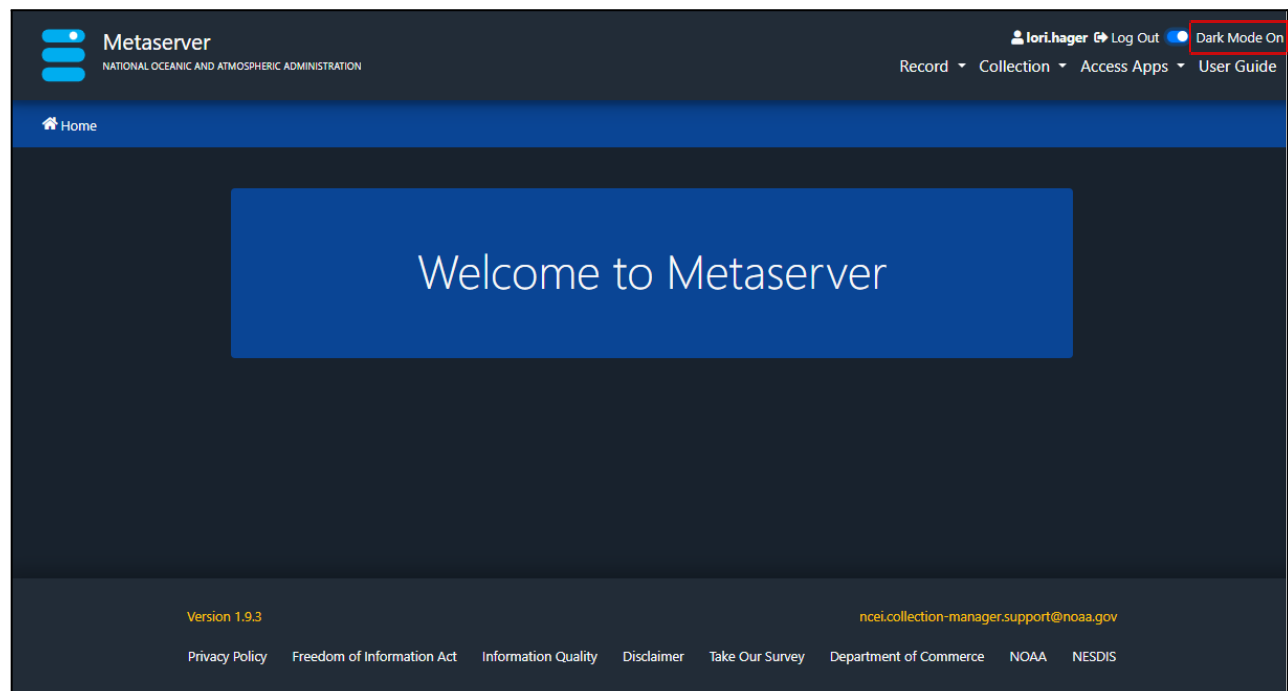
Viewing Option

Dark Mode

- From any page, toggle button for 'Dark Mode' at top right corner of screen
 - 'Dark Mode Off'

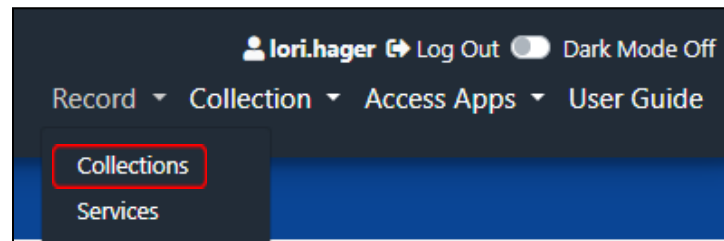


- Or 'Dark Mode On'



Record Collections

- To view list of Record Collections, on Home page click ‘Record’ drop-down menu, select ‘Collections’



- Either ‘Search Collections’ or scroll list below ‘RecordCollection List’
 - To view UUID, click link below ‘Source Url’

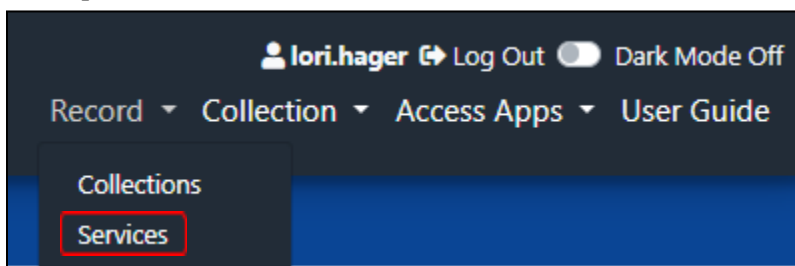
Search Collections		Search		Create Collection Group	
RecordCollection List					
Source Url	Name	Owner	Last Updater	Last Updated	Date Created
https://data.noaa.gov/waf/	NOAA/NESDIS/CLASS/		john.kozimor	2022-12-08 08:57:31 EST	2015-12-09 12:28:54 EST
https://data.noaa.gov/waf/	NOAA/NESDIS/NGDC/Collection/		charles.burris	2022-10-17 09:57:07 EDT	2015-12-09 12:28:54 EST
https://data.noaa.gov/waf/	NOAA/NESDIS/NGDC/MGG/BathyProducts/			2016-07-16 13:10:38 EDT	2016-07-16 13:10:38 EDT
https://data.noaa.gov/waf/	NOAA/NESDIS/NGDC/MGG/Cruise/			2022-06-14 15:34:57 EDT	2015-12-09 12:28:54 EST
https://data.noaa.gov/waf/	NOAA/NESDIS/NGDC/MGG/DART/			2022-06-14 15:34:57 EDT	2015-12-09 12:28:54 EST
https://data.noaa.gov/waf/	NOAA/NESDIS/NGDC/MGG/DEM/		kelly.carignan	2022-06-16 09:05:01 EDT	2015-12-09 12:28:54 EST
https://data.noaa.gov/waf/	NOAA/NESDIS/NGDC/MGG/Geology/		clint.edrington	2022-10-28 12:27:51 EDT	2015-12-09 12:28:54 EST
https://data.noaa.gov/waf/	NOAA/NESDIS/NGDC/MGG/Geophysical_Models/			2022-06-14 15:34:57 EDT	2015-12-09 12:28:56 EST
https://data.noaa.gov/waf/	NOAA/NESDIS/NGDC/MGG/Geophysics/			2022-06-14 15:34:57 EDT	2015-12-09 12:28:54 EST
https://data.noaa.gov/waf/	NOAA/NESDIS/NGDC/MGG/Hazard_Photos/		lindsey.m.wright	2022-11-03 15:13:25 EDT	2015-12-09 12:28:54 EST
https://data.noaa.gov/waf/	NOAA/NESDIS/NGDC/MGG/Hazards/		aaron.sweeney	2022-06-14 20:50:10 EDT	2015-12-09 12:28:54 EST
https://data.noaa.gov/waf/	NOAA/NESDIS/NGDC/MGG/Multibeam/			2022-06-14 15:34:57 EDT	2015-12-09 12:28:54 EST
https://data.noaa.gov/waf/	NOAA/NESDIS/NGDC/MGG/NOS/B00001-B02000/			2022-06-14 15:34:57 EDT	2015-12-09 12:28:55 EST
https://data.noaa.gov/waf/	NOAA/NESDIS/NGDC/MGG/NOS/D00001-D02000/			2022-06-14 15:34:57 EDT	2015-12-09 12:28:55 EST
https://data.noaa.gov/waf/	NOAA/NESDIS/NGDC/MGG/NOS/F00001-F02000/			2022-06-14 15:34:57 EDT	2015-12-09 12:28:55 EST
https://data.noaa.gov/waf/	NOAA/NESDIS/NGDC/MGG/NOS/H00001-H02000/			2022-06-14 15:34:57 EDT	2015-12-09 12:28:55 EST
https://data.noaa.gov/waf/	NOAA/NESDIS/NGDC/MGG/NOS/H02001-H04000/			2022-06-14 15:34:57 EDT	2015-12-09 12:28:55 EST

- Show Record Collection appears

Show Record Collection	
Url Root	https://data.noaa.gov/waf/
Name	NOAA/NESDIS/CLASS/
Last Updater	charles.burris
Last Updated	2023-04-18 14:05:08 EDT
Date Created	2015-12-09 12:28:54 EST
Uuid	199a3cab-a423-4ece-999b-987965c0e685

Record Services

- Click 'Record' drop-down menu, select 'Services'



Choose Input

- Either select 'File' and then click 'Choose File' to upload XML file saved on computer OR select 'URL' to enter URL for remote XML file

A screenshot of the 'Record Services' page. The header is blue with the title 'Record Services' and a subtitle 'A suite of tools for creating, validating, resolving and improving ISO 19115-2 metadata records. For help, see Enterprise Metadata Tools'. Below the header, there is a 'Choose Input' section. It has two radio buttons: 'File' (selected) and 'URL'. Next to the 'File' radio button is a 'Choose File' button and the text 'No file chosen'. Below the 'URL' radio button is an empty text input field.

- File name appears next to 'Choose File' button or in URL field

A screenshot of the 'Record Services' page, similar to the previous one. In the 'Choose Input' section, the 'File' radio button is still selected. The 'Choose File' button now has the text 'EXIS Instrument Calibration Data.xml' next to it. The 'URL' radio button and its input field remain unchanged.

Choose Service

Note: Every service requires a 19139 Schema-Valid XML file

Check XML format prior to using other services

- Click button next to 'Check XML Format'
 - Click 'Submit'

Choose Service

<input checked="" type="radio"/> Check XML Format	Check for well formed XML. Input: Any XML file.
<input type="radio"/> Resolve	Resolve URL references to components. Input: 19139 schema valid XML file
<input type="radio"/> ISO Validate	Validate metadata with 19139 Schema. Input: 19139 XML file
<input type="radio"/> Link Check (slow)	Verify online resource links within the ISO tag CI_OnlineResource are valid URLs.
<input type="radio"/> NCEI Landing Page	Generate the NCEI Landing page view based on a valid ISO 19115-2 XML file.
<input type="radio"/> ISO To Rubric V2	Generate IMPROVED completeness assessment report. Input: 19139 schema valid XML file
<input type="radio"/> ISO To Rubric V1	Generate completeness assessment report. Input: 19139 schema valid XML file
<input type="radio"/> NCML To Rubric V1	Generate completeness assessment report. Input: NetCDF XML
<input type="radio"/> NCML To ISO	Translate from NCML to ISO 19115-2. Input: ACDD compliant NetCDF XML
<input type="radio"/> FGDC To ISO	Translate from FGDC to ISO 19115-2. Input: FGDC compliant XML

Submit

- Message opens in new tab
 - If XML has no errors, get message 'Xml is well formed.' at top left corner of page

Xml is well formed.

- If XML has errors, only first error will be displayed
 - Correct error
 - Repeat Check XML Format instructions
 - Correct any additional errors

RecordServices EXCEPTION...Error on line 661: Element type "gmd:MD_LegalConstraints" must be followed by either attribute specifications, ">" or "/>".

- Close message tab and return to Record Services tab

Other Services

- [Resolve](#)
- [ISO Validate](#)
- [Link Check \(slow\)](#)
- [NCEI Landing Page](#)
- [ISO to Rubric V2](#)
- [ISO to Rubric V1](#)
- [NCML to Rubric V1](#)
- [NCML to ISO](#)
- [FGDC To ISO](#)

Note: if errors in XML of files submitted to other services, error message appears

```
RecordServices EXCEPTION...Error on line 661: Element type "gmd:MD_LegalConstraints" must be followed by either attribute specifications, ">" or "/>".
```

- Correct XML content and resubmit

Resolve

Resolve URL references to components. Input: 19139 schema valid XML file. Resolving records with Docucomp Components (Xlinks) allows users to see how the record will look published. This feature will not resolve a component with errors, so this feature is a method to allow users to check that components are correct.

- XML opens in new tab

Note: Six highlighted ‘resourceConstraint’ tags are populated with XML

```
<gmd:resourceConstraints>
  <gmd:MD_LegalConstraints>
    <gmd:useLimitation>
      <gco:CharacterString>otherRestrictions</gco:CharacterString>
    </gmd:useLimitation>
  </gmd:MD_LegalConstraints>
  <gmd:otherConstraints>
    <gco:CharacterString>Cite as: {{Author(s)}}. {{Publication year}}: {{Title}}. {{Version}}. [indicate subset used]. NOAA National Centers for Environmental Information. https://doi.org/{{DOI}}. Accessed [date].</gco:CharacterString>
  </gmd:otherConstraints>
  <gmd:otherConstraints>
    <gco:CharacterString>{{cite as guidance}}: {{Last, First M.; Last, First M.; Last, First M. YYYY. Title. Version. [indicate subset used]. Publisher. volume, page https://doi.org/DOI}}</gco:CharacterString>
  </gmd:otherConstraints>
</gmd:MD_LegalConstraints>
</gmd:resourceConstraints>
<gmd:resourceConstraints xlink:title="Distribution Liability">
  <gmd:MD_LegalConstraints uuid="dadd4ec3-2b9f-4db5-8603-71285b94c3d7">
    <gmd:accessConstraints>
      <gmd:MD_RestrictionCode codeList="https://data.noaa.gov/resources/iso19139/schema/resources/CodeList/gmxCodeLists.xml#MD_RestrictionCode"
        codeListValue="otherRestrictions">otherRestrictions</gmd:MD_RestrictionCode>
    </gmd:accessConstraints>
    <gmd:otherConstraints>
      <gco:CharacterString>Distribution liability: NOAA and NCEI make no warranty, expressed or implied, regarding these data, nor does the fact of distribution constitute such a warranty. NOAA and NCEI cannot assume liability for any damages caused by any errors or omissions in these data. If appropriate, NCEI can only certify that the data it distributes are an authentic copy of the records that were accepted for inclusion in the NCEI archives.</gco:CharacterString>
    </gmd:otherConstraints>
  </gmd:MD_LegalConstraints>
</gmd:resourceConstraints>
<gmd:resourceConstraints xlink:title="Use Liability">
  <gmd:MD_LegalConstraints uuid="e8163b1b-fb5a-4f4e-8d5c-ed06da10e21b">
    <gmd:useConstraints>
      <gmd:MD_RestrictionCode codeList="https://data.noaa.gov/resources/iso19139/schema/resources/CodeList/gmxCodeLists.xml#MD_RestrictionCode"
        codeListValue="otherRestrictions">otherRestrictions</gmd:MD_RestrictionCode>
    </gmd:useConstraints>
    <gmd:otherConstraints>
      <gco:CharacterString>Use liability: NOAA and NCEI cannot provide any warranty as to the accuracy, reliability, or completeness of furnished data. Users assume responsibility to determine the usability of these data. The user is responsible for the results of any application of this data for other than its intended purpose.</gco:CharacterString>
    </gmd:otherConstraints>
  </gmd:MD_LegalConstraints>
</gmd:resourceConstraints>
</gmd:aggregationInfo>
```

- Same XML file, but unresolved

Note: Four highlighted ‘resourceConstraint’ tags are populated with Xlinks

```
<gmd:resourceConstraints>
  <gmd:MD_LegalConstraints>
    <gmd:useLimitation>
      <gco:CharacterString>otherRestrictions</gco:CharacterString>
    </gmd:useLimitation>
    <gmd:otherConstraints>
      <gco:CharacterString>Cite as: {{Author(s)}}. {{Publication year}}: {{Title}}. {{Version}}. [indicate subset used]. NOAA National Centers for Environmental Information
      https://doi.org/{{DOI}}. Accessed [date].</gco:CharacterString>
    </gmd:otherConstraints>
    <gmd:otherConstraints>
      <gco:CharacterString>{{cite as guidance}}: {{Last, First M.; Last, First M.; Last, First M. YYYY. Title. Version. [indicate subset used]. Publisher. volume, page
      https://doi.org/DOI}}</gco:CharacterString>
    </gmd:otherConstraints>
  </gmd:MD_LegalConstraints>
</gmd:resourceConstraints>
<gmd:resourceConstraints xlink:href="https://data.noaa.gov/docucomp/dadd4ac3-2b9f-4db5-8603-71285b94c3d7" xlink:title="Distribution Liability"/>
<gmd:resourceConstraints xlink:href="https://data.noaa.gov/docucomp/e8163b1b-fb5a-4f4e-8d5c-ed06da10e21b" xlink:title="Use Liability"/>
</gmd:aggregationInfo>
```

ISO Validate

Validate metadata with 19139 Schema. Input: 19139 XML file

- 19139 Schema-valid ISO

Validation Report

Invalid Records for Collection

Date measured: Tue Jun 13 13:18:08 EDT 2023

Metric	Value
Invalid Record count	0
Non-ISO Records Count	

No errors found :-)

Link Check (slow)

Verify CI_OnlineResource URLs are valid. Input: 19139 schema valid XML file. This service is noted as slow as it does not run as fast as the others.

- Checks for broken [CI_OnlineResource](#) links
 - No broken links

Number of Unique Bad OnlineResource URLs = 0 Total URL hits = 0

NCEI Landing Page

Generate the NCEI Landing page view

- Input: 19139 schema valid XML file

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



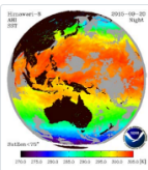
HomeClimate InformationData AccessCustomer SupportContactAbout

Search

Home > Catalog > Dataset Overview

GHR SST ACSPO Himawari 8 Advanced Himawari Imager (AHI) L3U Sea Surface Temperature from STAR

GHR SST-Himawari8-AHI-L3U-SST



Example of the Sea Surface Temperature (SST) product as generated by the Himawari-8 SST algorithm.

This dataset contains a high quality level 3U sea surface temperature (SST) 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 NOAA Environmental Satellite, Data, and Information Service (NESDIS). The algorithm retrieval utilizes AHI channel brightness temperatures and reflectances to produce SST. AHI has 16 spectral bands with spatial resolutions ranging from 0.5 or 1 km for visible and near-infrared bands, and 2 km for infrared bands. Himawari-8 provides Full Disk and regional mesoscale coverage of the Asia-Pacific region approximately every 10 minutes.

[Dataset Citation](#)

[Dataset Identifiers](#)

[ISO 19115-2 Metadata](#)

Access

Time & Location

Documentation

Description

Credit

Keywords

Constraints

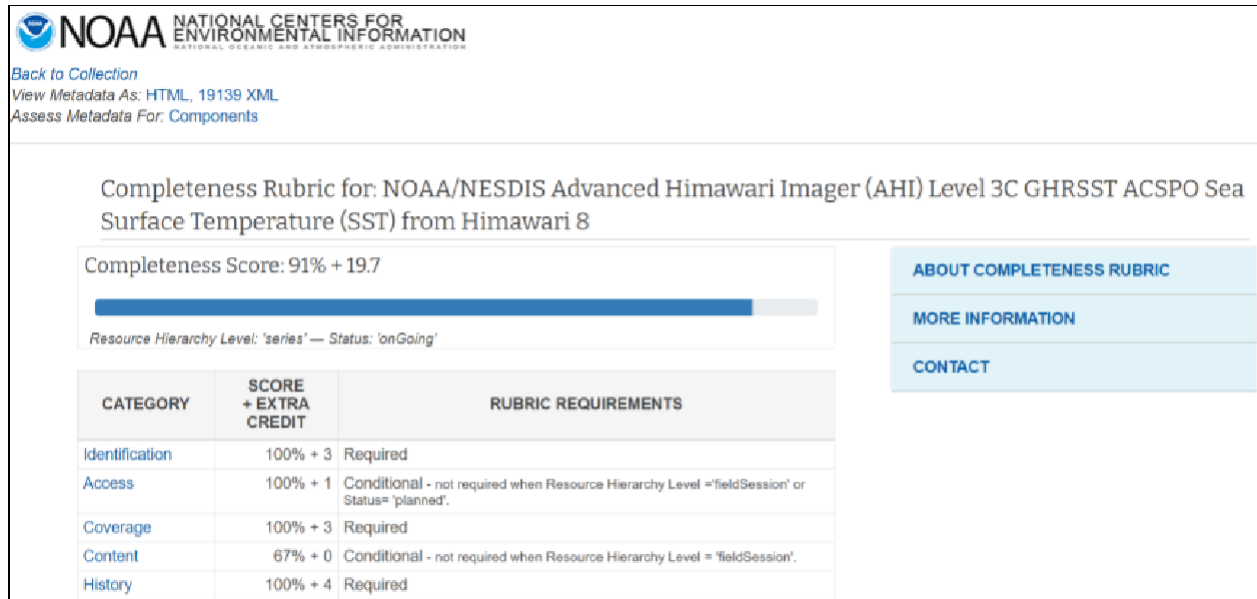
Lineage

Download Data	Real-time Himawari-8 Satellite Imagery from NOAA/NESDIS (download) AWS S3 Bucket (download) Himawari-8 L3U GHR SST ASCPO STT archive data are hosted in the Amazon S3 bucket.
Distribution Formats	<ul style="list-style-type: none">NetCDF (Version: 4)<ul style="list-style-type: none">File Specification:
Distributor	DOC/NOAA/NESDIS/STAR > Center for Satellite Applications and Research, NESDIS, NOAA, U.S. Department of Commerce
Dataset Point of Contact	NOAA Big Data Project Contact noaa.bdp@noaa.gov

Last Modified: 2021-04-12T13:47:17
For questions about the information on this page, please email amanda.dean@noaa.gov

Generate V2 completeness assessment report

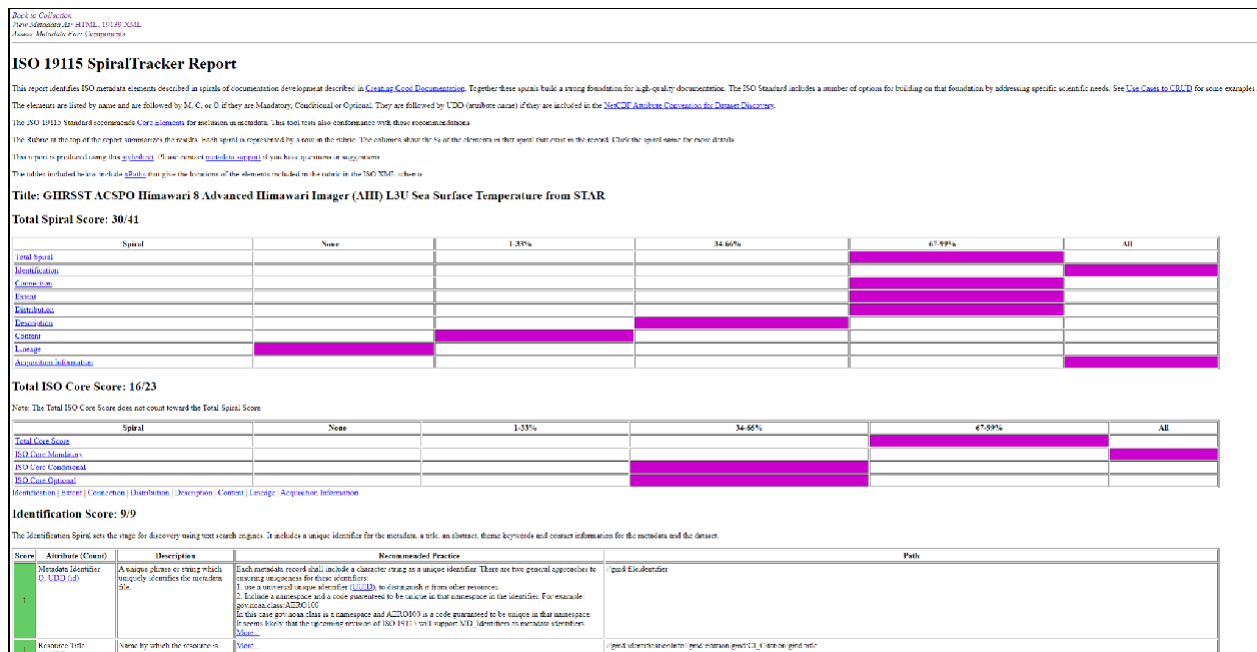
- Input: 19139 schema valid XML file



ISO to Rubric V1

Generate a V1 completeness assessment report

- Input: 19139 schema valid XML file



Generate a completeness assessment report

- Input: NetCDF XML

NetCDF Attribute Convention for Dataset Discovery Report

The Uniform Attribute Conventions for Data Discovery provides recommendations for netCDF attributes that can be added to netCDF files to facilitate discovery of those files using standard metadata searches. This tool tests conformance with these recommendations using [this toolset](#). More information on Conventions and Tools.

Title: AF EDR

Total Score: 22/46

General File Characteristics

	Spatial	Name	1-33%	34-66%	67-99%	All
Count of Global Attributes	29					
Number of Variables	0			X		N
Number of Variable Attributes	0			X		
Number of Standard Names	0				X	
Number of Sections	0			X		N

Identification / Metadata Reference Score: 4/4

As metadata are shared between national and international repositories it is becoming increasingly important to be able to unambiguously identify and refer to specific records. This is facilitated by including an identifier in the metadata. Some mechanisms exist such as URIs that ensure that these identifiers are unique. This is accomplished by specifying the naming authority or namespace for the identifier. It is the responsibility of the manager of the namespace to ensure that the identifiers in the namespace are unique. Identifying the Identifier, Namespace, Collection from used in the file and providing a link to more complete metadata, possibly using a different collection, are also important.

Record ID	Attribute	Description	TIRREDS	ISO 19115-2
1	naming_authority	The combination of the "naming authority" and the "id" should be a globally unique identifier for the dataset.		gml:ML_MetadatasetIdentificationInfo.gml:CharacterString gml:ML_MetadatasetIdentificationInfo.gml:CharacterString
1	Metadata_ConventionURL	This attribute should be set to "Uniform Dataset Discovery v1.0" for NetCDF files that follow this convention.		
1	Metadata_LinkOrReference_Url	This attribute provides a link to a complete metadata record for this dataset or for collection that contains this dataset. This attribute is not included in Figure 1 of the Uniform Attribute Conventions for Data Discovery. It is recommended new datasets include a metadata collection for a dataset will likely contain more information than can be included in simple formats. The attribute contains a link to that information.		

[Identifying Link Or Reference Url](#) [Name Search](#) [Other Name Information](#) [Domain Search](#) [Description Search](#) [Subject Search](#) [Other Attributes](#)

Text Search Score: 4/7

Text searches are a very important mechanism for data discovery. This group includes attributes that contain descriptive text that could be the target of these searches. Some of these attributes, for example title and summary, might also be displayed in the results of text searches.

Score	Attribute	Description	TIRREDS	ISO 19115-2
1	title	A short description of the dataset.	gml:ML_Metadata.gml:identificationInfo.gml:MD_PersistentFunction.gml:characterString CI_Citation.gml:title/gml:CharacterString	
1	summary	A paragraph describing the dataset.	metadatasetDocumentation/gml:textSummary	gml:ML_Metadata.gml:identificationInfo.gml:MD_PersistentFunction.gml:characterString CI_Citation.gml:title/gml:CharacterString
1	keywords	A comma separated list of key words and phrases.	metadatasetKeywords	gml:ML_Metadata.gml:identificationInfo.gml:MD_PersistentFunction.gml:keywordList MD_Keywords.gml:keyWord/gml:CharacterString
1	keywds_vocabularly	If you are following a guideline for the vocabularies in your "keywds" attribute, put the name of that guideline here.	metadatasetKeywords	gml:ML_Metadata.gml:identificationInfo.gml:MD_PersistentFunction.gml:keywordList MD_Keywords.gml:keyWord/gml:CharacterString
1	controlled_name_vocabulary	The name of the controlled vocabulary from which variable standard names were taken.	metadatasetVariables	gml:ML_Metadata.gml:identificationInfo.gml:MD_PersistentFunction.gml:description/gml:MD_Keywords.gml:documentName/gml:CI_Citation.gml:title/gml:CharacterString
1	history	Provides an ordered list for modifications to the original data.		gml:ML_Metadata.gml:identificationInfo.gml:DQ_DataQuality.gml:usage/gml:L_Language.gml:statement/gml:CharacterString
1	dataset_documentation	Additional descriptive information about the data.	metadatasetDocumentation	gml:ML_Metadata.gml:identificationInfo.gml:MD_PersistentFunction.gml:documentationInformation

[Identifying Link Or Reference Url](#) [Name Search](#) [Other Name Information](#) [Domain Search](#) [Description Search](#) [Subject Search](#) [Other Attributes](#)

NCML to ISO

Translate from NCML to ISO 19115-2

- Input: ACDD compliant NetCDF XML

```
<?xml:NI_Metadatas xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:gco="http://www.isotc211.org/2005/gco" xmlns:gmd="http://www.isotc211.org/2005/gmd" xmlns:gml="http://www.isotc211.org/2005/gml" xmlns:srv="http://www.isotc211.org/2005/srv" xmlns:gmx="http://www.isotc211.org/2005/gmx" xmlns:gss="http://www.isotc211.org/2005/gss" xmlns:igts="http://www.isotc211.org/2005/igts" xmlns:gml="http://www.opengis.net/gml/3.2" xmlns:xlink="http://www.w3.org/1999/xlink" xmlns:xsi="http://www.w3.org/2001/XMLSchema" xsi:schemaLocation="http://www.isotc211.org/2005/gml http://data.noaa.gov/resources/iso19139/schema.xsd">
  <gmd:fileIdentifier>
    <gco:CharacterString>gov.noaa.nesdis.nde:0a61e344-6916-4076-926a-1c65a85308d2</gco:CharacterString>
  </gmd:fileIdentifier>
  <gmd:language>
    <gmd:languageCode codeList="https://data.noaa.gov/resources/iso19139/schema/resources/CodeList/gmx:codeLists.xml#languageCode" codeListValue="eng">eng</gmd:languageCode>
  </gmd:language>
  <gmd:characterSet>
    <gmd:MD_CharacterSetCode codeList="https://data.noaa.gov/resources/iso19139/schema/resources/CodeList/gmx:codeLists.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/gmx:codeLists.xml#MD_ScopeCode" codeListValue="dataset">dataset</gmd:MD_ScopeCode>
  </gmd:hierarchyLevel>
  <gmd:contact>
    <gmd:CI_ResponsibleParty>
      <gmd:individualName>
        <gco:CharacterString>DOC/NOAA/NESDIS/STAR > AF Algorithm Team, Center for Satellite Applications and Research, NESDIS, NOAA, U.S. Department of Commerce</gco:CharacterString>
      </gmd:individualName>
      <gmd:organisationName>
        <gco:CharacterString>DOC/NOAA/NESDIS/NDE > S-NPP Data Exploitation, NESDIS, NOAA, U.S. Department of Commerce</gco:CharacterString>
      </gmd:organisationName>
      <gmd:contactInfo>
        <gmd:CI_Contact>
          <gmd:address>
            <gmd:CI_Address>
              <gmd:electronicMailAddress>
                <gco:CharacterString>spcooperations@noaa.gov</gco:CharacterString>
              </gmd:electronicMailAddress>
            </gmd:CI_Address>
          </gmd:address>
        </gmd:CI_Contact>
      </gmd:contactInfo>
    </gmd:CI_ResponsibleParty>
  </gmd:contact>
</xml:NI_Metadatas>
```

FGDC To ISO

Translate from FGDC to ISO 19115-2

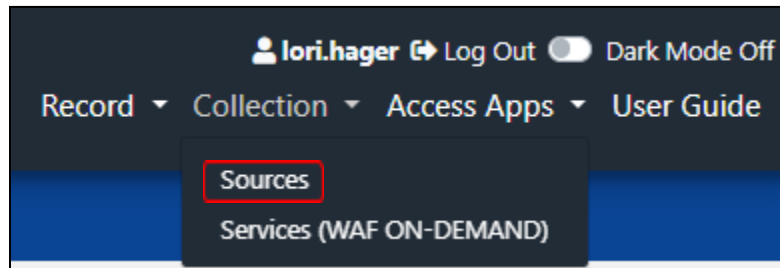
This XML file does not appear to have any style information associated with it. The document tree is shown below.

```
<?xml version="1.0" encoding="UTF-8" ?>
<gmi:MI_Metadata xmlns:gss="http://www.isotc211.org/2005/gss" xmlns:gts="http://www.isotc211.org/2005/gts" xmlns:gml="http://www.opengis.net/gml/3.2" xmlns:xlink="http://www.w3.org/1999/xlink"
  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:gmw="http://www.isotc211.org/2005/gmw"
  xmlns:gsr="http://www.isotc211.org/2005/gsr" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:schemaLocation="http://www.isotc211.org/2005/gmi https://data.noaa.gov/resources/iso19139/schema.xsd">
  <gmd:fileIdentifier/>
  <gmd:language>
    <gco:CharacterString>eng; USA</gco:CharacterString>
  </gmd:language>
  <gmd:characterSet>
    <gmd:MD_CharacterSetCode codeList="http://www.isotc211.org/2005/resources/CodeList/gmxCodeLists.xml#MD_CharacterSetCode" codeListValue="utf8">utf8</gmd:MD_CharacterSetCode>
  </gmd:characterSet>
  <gmd:hierarchyLevel>
    <gmd:MD_ScopeCode codeList="http://www.isotc211.org/2005/resources/CodeList/gmxCodeLists.xml#MD_ScopeCode" codeListValue="dataset">dataset</gmd:MD_ScopeCode>
  </gmd:hierarchyLevel>
  <gmd:dateStamp>
    <!-- -->
    <gco:Date>9999-01-01</gco:Date>
  </gmd:dateStamp>
  <gmd:metadataStandardName>
    <gco:CharacterString>ISO 19115-2 Geographic Information - Metadata - Part 2: Extensions for Imagery and Gridded Data</gco:CharacterString>
  </gmd:metadataStandardName>
  <gmd:metadataStandardVersion>
    <gco:CharacterString>ISO 19115-2:2009(E)</gco:CharacterString>
  </gmd:metadataStandardVersion>
  <gmd:metadataMaintenance>
    <gmd:MD_MaintenanceInformation>
      <gmd:maintenanceAndUpdateFrequency>
        <gmd:MD_MaintenanceFrequencyCode codeList="https://data.noaa.gov/resources/iso19139/schema/resources/CodeList/gmxCodeLists.xml#MD_MaintenanceFrequencyCode"
          codeListValue="annually">annually</gmd:MD_MaintenanceFrequencyCode>
      </gmd:maintenanceAndUpdateFrequency>
      <gmd:maintenanceNote>
        <gco:CharacterString>This metadata was automatically generated from the standard (version ) using the 2016-10-18 version of the FGDC RSE to ISO 19115-2 transform.</gco:CharacterString>
      </gmd:maintenanceNote>
      <gmd:maintenanceNote>
        <gco:CharacterString>Translated from FGDC 2023-04-13T11:13:52.143-04:00</gco:CharacterString>
      </gmd:maintenanceNote>
    </gmd:MD_MaintenanceInformation>
  </gmd:metadataMaintenance>
</gmi:MI_Metadata>
```

Collection Sources

Note: Only applicable to users whose record source is external

- To view list of Collection Sources, on Home page click 'Collection' drop-down menu, select 'Sources'



- Either search by 'Record Collection' name (Filters optional) or view list below 'Collection Source List'

Filters

Source Type

Status

Processing Status

Processing Frequency

Collection Source List

Showing 1 to 10 of 106 records

Show Columns: ☒ Collection ☒ Source Type ☒ Status ☒ Source Url ☒ Frequency ☒ Processing Status ☒ Last Processed ☐ Notes ☐ Email

Collection	Source Type	Status	Source Url	Frequency	Processing Status	Last Processed
NOAA/NESDIS/NGDC/MGG/Multibeam/	ISOWAF	APPROVED	https://data.noaa.gov/waf/NOAA/NESDIS/NGDC/MGG/Multibeam/iso_u/xml/	DAILY	IDLE	2023-04-14 00:56:08 EDT
NOAA/NESDIS/NGDC/MGG/DART/	ISOWAF	APPROVED	https://data.noaa.gov/waf/NOAA/NESDIS/NGDC/MGG/DART/iso_u/xml/	DAILY	IDLE	2023-04-14 00:47:09 EDT
NOAA/NESDIS/STAR/erddap/coastwatch/	FILESERVER	APPROVED	https://coastwatch.noaa.gov/erddap/metadata/iso19115/xml/	DAILY	IDLE	2023-04-14 00:46:40 EDT
NOAA/NESDIS/NGDC/MGG/Tides/	ISOWAF	APPROVED	https://data.noaa.gov/waf/NOAA/NESDIS/NGDC/MGG/Tides/iso_u/xml/	DAILY	IDLE	2023-04-14 00:38:45 EDT
NOAA/NESDIS/NGDC/STP/Solar_Imagery/	ISOWAF	APPROVED	https://data.noaa.gov/waf/NOAA/NESDIS/NGDC/STP/Solar_Imagery/iso_u/xml/	DAILY	IDLE	2023-04-14 00:30:27 EDT
NOAA/NESDIS/NGDC/MGG/Geology/	ISOWAF	APPROVED	https://data.noaa.gov/waf/NOAA/NESDIS/NGDC/MGG/Geology/iso_u/xml/	DAILY	IDLE	2023-04-14 00:30:20 EDT
testwaf/	ISOWAF	APPROVED	https://data.test.ncei.noaa.gov/waf/testwaf/iso_u/xml/	DAILY	IDLE	2023-04-14 00:28:42 EDT
NOAA/NESDIS/NGDC/STP/Terrestrial/	ISOWAF	APPROVED	https://data.noaa.gov/waf/NOAA/NESDIS/NGDC/STP/Terrestrial/iso_u/xml/	DAILY	IDLE	2023-04-14 00:28:38 EDT

- Collection Source List is a table that meets all filtered requirements
- User may select which columns to display
 - Column titles list is to right of 'Show Columns'
 - Titles with blue buttons are displayed and titles with gray buttons are not
 - User clicks buttons to change columns to be displayed

Collection Source List

Showing 1 to 10 of 106 records

Show Columns: ☒ Collection ☒ Source Type ☒ Status ☒ Source Url ☒ Frequency ☒ Processing Status ☒ Last Processed ☐ Notes ☐ Email

Collection	Source Type	Status	Source Url	Frequency	Processing Status	Last Processed
------------	-------------	--------	------------	-----------	-------------------	----------------

Download List

- Collection Source List may be downloaded into a csv file and saved on user's computer
 - Click 'Download List'
 - Select location on computer to save file

Record Collection

Source Url

Filters

Source Type

Status

Processing Status

Processing Frequency

Email

Notes

Search

Collection Source List

Showing 1 to 10 of 106 records

Show Columns:

Collection

Source Type

Status

Source Url

Frequency

Processing Status

Last Processed

Notes

Email

Download List

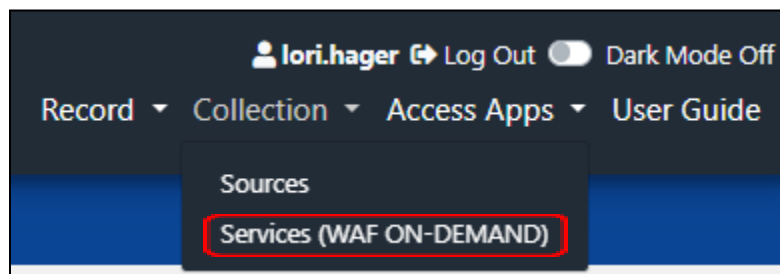
Collection	Source Type	Status	Source Url	Frequency	Processing Status	Last Processed
NOAA/NESDIS/NGDC/MGG/Multibeam/	ISOWAF	APPROVED	https://data.noaa.gov/waf/NOAA/NESDIS/NGDC/MGG/Multibeam/iso_u/xml/	DAILY	IDLE	2023-04-14 00:56:08 EDT
NOAA/NESDIS/NGDC/MGG/DART/	ISOWAF	APPROVED	https://data.noaa.gov/waf/NOAA/NESDIS/NGDC/MGG/DART/iso_u/xml/	DAILY	IDLE	2023-04-14 00:47:09 EDT

WAF OnDemand

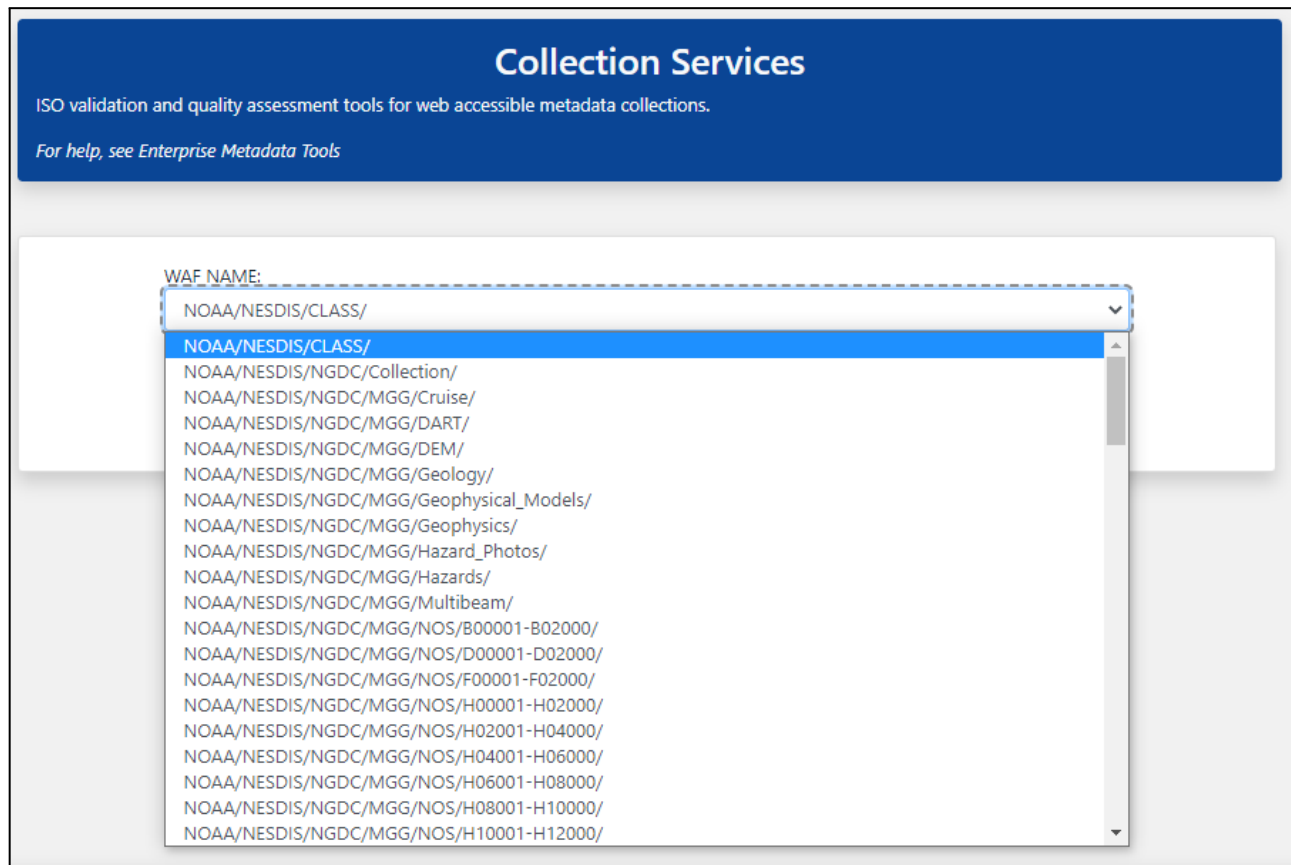
Web Accessible Folder (WAFs) are configured to be refreshed on a recurring basis. Frequency is determined at set-up but can be adjusted as needed by contacting ncei.collection-manager.support@noaa.gov

WAF OnDemand is available to users who need to refresh an entire WAF immediately. WAF OnDemand resolves Xlink components, generates rubric and diagnostic reports, and Table of Contents for a public WAF. This service is for legacy customers and it is recommended that new customers publish records through CoMET.

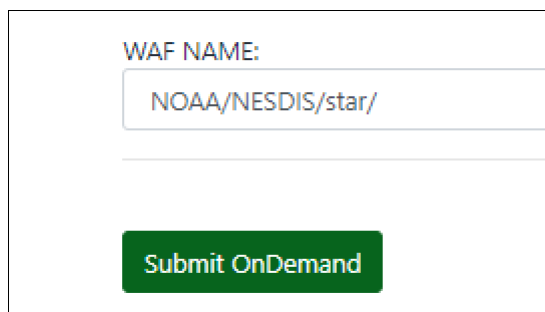
- Click 'Collection' drop-down menu, select 'Services (WAF ON-DEMAND)'



- From 'WAF NAME' dropdown menu, select a WAF



- Click ‘Submit OnDemand’

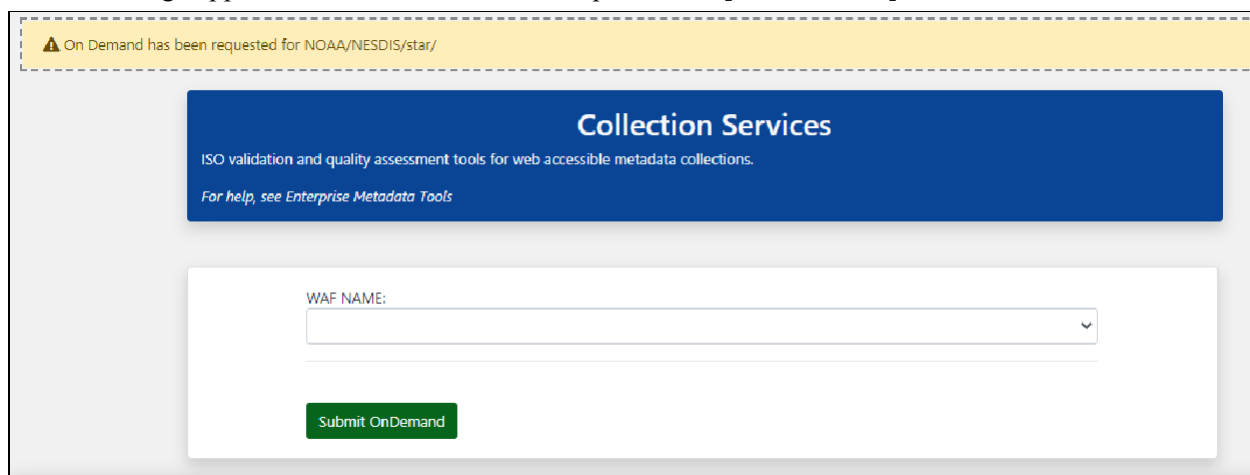


WAF NAME:

NOAA/NESDIS/star/

Submit OnDemand

- Message appears ‘On Demand has been requested for [WAF NAME]’



⚠ On Demand has been requested for NOAA/NESDIS/star/

Collection Services

ISO validation and quality assessment tools for web accessible metadata collections.
For help, see *Enterprise Metadata Tools*

WAF NAME:

Submit OnDemand

API (Application Programming Interface)

Metaserver API is a software interface that allows connection between computers or computer programs. It gives users the ability to write programs (scripts) to provide CoMET-like services without creating a metadata record, resolve xlinks, and translate between different XML standards.

Note:

- *Metaserver APIs are intended for users with computer programming experience*
- *To view the complete API documentation, along with code samples, go to [Metaserver API \(v1\)](#)*

Change Log

Revision Number	Description of Change	Author	Date
NR	New Release	C Luquire, L Hager	6/28/2021
A	Updated version number on title page and footer; standardized formatting; fixed broken links; updated screenshots	L Hager, C Luquire	9/02/2021
B	Updated version number on title page; added version number and page number in footer; in Contact Info, replaced OSMC team with collection manager support email; revised Overview; updated screenshots; deleted # 3 quickfact about wiki page; added viewing in Dark Mode; added Record Collections section; deleted 'Check XML Format' section; replaced invalid XML error message note with screenshot of error message; described 'FGDC to ISO' record service; added Collection Sources section; added link to Metaserver API (v1)	L Hager	4/21/2023
C	Updated version number on title page and footer; added back 'Check XML Format'; updated screenshots	L Hager	8/09/2023