



Metaserver

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

Metaserver User Manual

Production Version 1.7.3

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Contact Information

Questions or feedback regarding this manual 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 Metaserver, please send an email to ncei.collection-manager.support@noaa.gov. In the email, 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 Marty Aubrey, Charlie Burris and Jerri Reeves for their technical input.

Overview

Metaserver provides CoMET services without creating a metadata record, resolves xlinks, translates between different XML standards, and allows advanced users to process WAFs on demand.

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](https://data.noaa.gov/docucomp/) (<https://data.noaa.gov/docucomp/>), the user must republish records in [CoMET](https://data.noaa.gov/cedit/) (<https://data.noaa.gov/cedit/>) OR run a WAF on demand in Metaserver.
3. Enterprise Metadata Tools [wiki page](https://ngdc.noaa.gov/wiki/index.php?title=Enterprise_Metadata_Tools) (https://ngdc.noaa.gov/wiki/index.php?title=Enterprise_Metadata_Tools) details Record Services and Collection Services available within Metaserver.

Getting Started

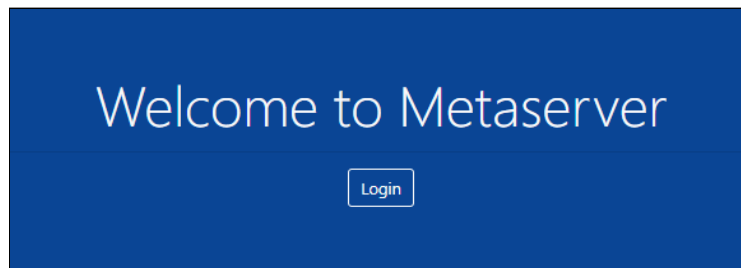
First-Time Users

Note: If a NOAA employee, manager must request access

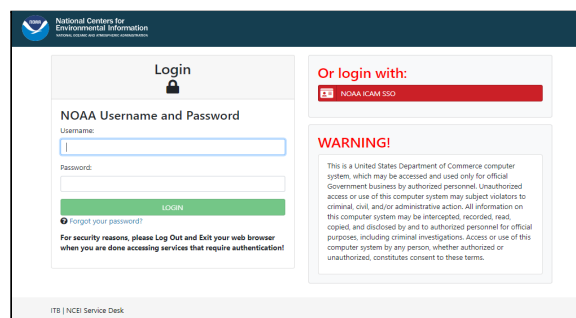
- Email: ncei.collection-manager.support@noaa.gov
- Subject:
 - 'New User for Metaserver for *employee name*'
- Body:
 - Employee's Contact information
 - Associated program or agency
 - Intended usage

Logging In

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



- Enter your email (without the @noaa.gov) and your email password OR login with 'NOAA ICAM SSO' button

A screenshot of the NOAA login page. The page 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 "Or login with: NOAA ICAM SSO". Below the login box are input fields for "Username" and "Password", and a "LOGIN" button. A "forgot your password?" link is also present. At the bottom of the login box is a security warning: "For security reasons, please Log Out and Exit your web browser when you are done accessing services that require authentication". To the right of the login box is a "WARNING!" section with a disclaimer about the system being a United States Department of Commerce computer system.

- 'Select a certificate', if prompted
 - Enter your PIN
- After authentication, a Warning banner 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.

ACCEPT

Record Services

- Click 'Record Services' from top banner



- Below 'Choose Input'
 - Either click 'File' next to 'Choose Files' to upload XML file saved on computer OR click URL to enter URL for remote XML file

A light gray rectangular box titled 'Choose Input'. It contains two radio button options. The first is 'File', which is selected (indicated by a blue dot). Next to it is a 'Choose File' button and the text 'No file chosen'. The second option is 'URL', which is unselected. To its right is an empty text input field.

Note: Every service requires a 19139 Schema-Valid XML file. Check XML format prior to using other services.

- Below Choose Service
 - Click button next to 'Check XML Format'
 - Submit

A light gray rectangular box titled 'Choose Service'. It contains a 'Choose Input' section with the 'File' radio button selected and a 'Choose File' button next to the text 'SUVI Instrument Calibration Data.xml'. Below this is a 'Choose Service' section with a list of services. The first service, 'Check XML Format', is selected with a blue dot. Below the list is a large green 'Submit' button.

Service	Description
<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 URLs are valid. Input: 19139 schema valid XML file
<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"/> FGDC to ISO	Translate from CSDGM to ISO 19115-2. Input: CSDGM valid XML file
<input type="radio"/> NCML To Rubric	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

- Message opens in new tab
 - *Note: 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 52: Element type "attribute" must be followed by either attribute specifications, ">" or ">".

- If XML has no errors

Xml is well formed.

- Close message tab and return to Record Services tab
- Select one Service from Choose Service list
 - [Resolve](#)
 - [ISO Validate](#)
 - [Link Check \(slow\)](#)
 - [ISO to Rubric V2](#)
 - [ISO to Rubric V1](#)
 - [FGDC to ISO](#)
 - [NCML to Rubric](#)
 - [NCML to ISO](#)
- Click 'Submit'

Choose Service

<input type="radio"/> Check XML Format	Check for well formed XML. Input: Any XML file.
<input checked="" 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 URLs are valid. Input: 19139 schema valid XML file
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<input type="radio"/> FGDC To ISO	Translate from CSDGM to ISO 19115-2. Input: CSDGM valid XML file
<input type="radio"/> NCML To Rubric	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

Submit

Note: If error message received for any services, refer to '[Check XML Format](#)' instructions, e.g.

- *RecordServices EXCEPTION...unable to resolve document...*
- *org.xml.sax.SAXParseException*

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: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 xlink:title="Distribution Liability">
    ▼<gmd:MD_LegalConstraints uuid="dadd4ac3-2b9f-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: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>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>
```

This is the same XML file, but unresolved. Note the four highlighted “resourceConstraint” tags are only 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	
Back to Index Page - .	
Invalid Records for Collection	
Date measured: Mon Apr 05 16:12:33 EDT 2021	
Metric	Value
Invalid Record count	0
Non-ISO Records Count	
No errors found :-)	

- Example: failed XML schema validation. Report will display all errors.

Validation Report	
Back to Index Page - .	
Invalid Records for Collection	
Date measured: Wed Apr 21 11:44:07 EDT 2021	
Metric	Value
Invalid Record count	1
Non-ISO Records Count	
Invalid Record Report	
Record	Error
viewAs (1).xml	line:126 column:180 cvc-complex-type.2.4.a: Invalid content was found starting with element '{"http://www.isotc211.org/2005/gmd":CI_ResponsibleParty}'. One of '{"http://www.isotc211.org/2005/gmd":MD_Distribution}' is expected.

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](#) (https://www.ngdc.noaa.gov/wiki/index.php/CI_OnlineResource) links

- No broken links

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


- Example: Broken links:


- Lists broken link(s) and number of times links appear within XML
- Lists Unique Bad URLs and Total URL hits

```
https://www.google    urlcount=2
https://www.ncei.noaa.gov/maps/hypoxia/    urlcount=1
Number of Unique Bad OnlineResource URLs = 2   Total URL hits = 3
```

NCEI Landing Page

Generate the NCEI Landing page view based on a 19139 schema valid XML file.

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

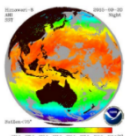


Home Climate Information Data Access Customer Support Contact About

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 and 2.5 minutes respectively.

[Dataset Citation](#)
[Dataset Identifiers](#)
[ISO 19115-2 Metadata](#)

[Show more...](#)

AccessTime & LocationDocumentationDescriptionCreditKeywordsConstraintsLineage

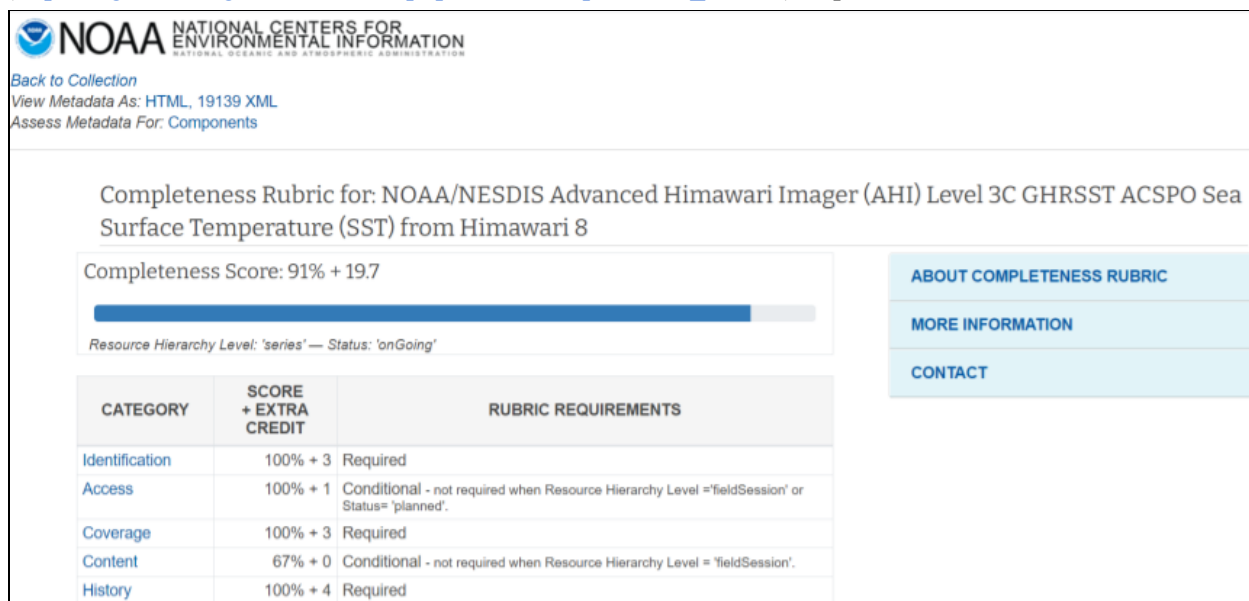
Download Data	Real-time Himawari-8 Satellite Imagery from NOAA/NESDIS (download) AWS S3 Bucket (download) Himawari-8 L3U GHR SST ACSPO STT archive data are hosted in the Amazon S3 bucket.
Distribution Formats	<ul style="list-style-type: none">NetCDF (Version: 4)<ul style="list-style-type: none">File 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

ISO to Rubric V2

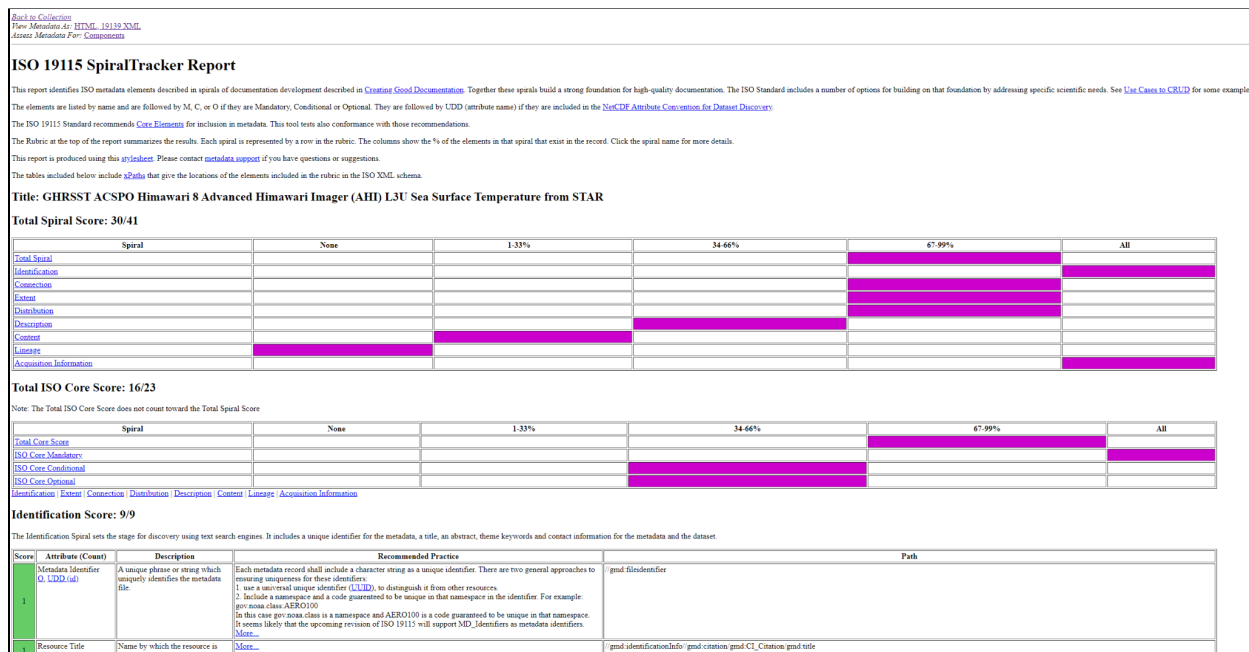
Generate [V2 completeness assessment report](#)

(https://ngdc.noaa.gov/wiki/index.php?title=Completeness_Rubric). Input: 19139 schema valid XML file.



ISO to Rubric V1

Generate a V1 completeness assessment report. Input: 19139 schema valid XML file.



FGDC to ISO

Non-functional

NCML to Rubric

Generate a completeness assessment report. Input: NetCDF XML

NetCDF Attribute Convention for Dataset Discovery Report

The Unidata Attribute Convention 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 those recommendations using this [guideline](#). [More information on Convention and Tool](#)

Title: AF EDR

Total Score: 22/46

General File Characteristics

Number of Global Attributes: 19
Number of Variables: 0
Number of Variable Attributes: 0
Number of Standard Names: 0
Number of Services: 0

	Spiral	None	1-33%	34-66%	67-99%	All
Total				X		
Identification				X		X
Text Search				X		
Extent Search			X			
Other Extent Information			X			
Creator Search					X	
Contributor Search		X				
Publisher Search						X
Other Attributes				X		
Identification Text Search Extent Search Other Extent Information Creator Search Contributor Search Publisher Search Other Attributes						

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 mechanism must exist for ensuring 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 that namespace are unique. Identifying the Metadata Convention being used in the file and providing a link to more complete metadata, possibly using a different convention, are also important.

Score	Attribute	Description	THREDDS	ISO 19115-2
1	id	The combination of the "naming authority" and the "id" should be a globally unique identifier for the dataset.	dataset@id	gmi:MI_Metadata gmi:fileIdentifier geo:CharacterString
1	naming authority			gmi:MI_Metadata gmi:fileIdentifier geo:CharacterString
1	Metadata_Conventions	This attribute should be set to "Unidata Dataset Discovery v1.0" for NetCDF files that follow this convention.		gmi:MI_Metadata gmi:fileIdentifier geo:CharacterString
1	Metadata_Link or metadata_Link	This attribute provides a link to a complete metadata record for this dataset or the collection that contains this dataset. This attribute is not included in Version 1 of the Unidata Attribute Convention for Data Discovery. It is recommended here because a complete metadata collection for a dataset will likely contain more information than can be included in gravis format. This attribute contains a link to that information.		gmi:MI_Metadata gmi:fileIdentifier geo:CharacterString
1	Identification Text Search Extent Search Other Extent Information Creator Search Contributor Search Publisher 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 those searches. Some of these attributes, for example title and summary, might also be displayed in the results of text searches.

Score	Attribute	Description	THREDDS	ISO 19115-2
1	title	A short description of the dataset.	dataset@title	gmi:MI_Metadata gmi:identificationInfo gmd:MD_DataIdentification gmd:citation gmd:CI_Citation gmd:title geo:CharacterString
1	summary	A paragraph describing the dataset.	metadata@documentation@type="summary"	gmi:MI_Metadata gmi:identificationInfo gmd:MD_DataIdentification gmd:abstract geo:CharacterString
1	keywords	A comma separated list of key words and phrases.	metadata@keyword	gmi:MI_Metadata gmi:identificationInfo gmd:MD_DataIdentification gmd:descriptiveKeywords gmd:MD_Keywords gmd:keyword geo:CharacterString
1	keywords_vocabulary	If you are following a guideline for the words/phrases in your "keywords" attribute, put the name of that guideline here.	metadata@keyword@vocabulary	gmi:MI_Metadata gmi:identificationInfo gmd:MD_DataIdentification gmd:descriptiveKeywords gmd:MD_Keywords gmd:thesaurusName gmd:CI_Citation gmd:title geo:CharacterString
1	standard_name_vocabulary	The name of the controlled vocabulary from which variable standard names are taken.	metadata@variables@vocabulary	gmi:MI_Metadata gmi:identificationInfo gmd:MD_DataIdentification gmd:descriptiveKeywords gmd:MD_Keywords gmd:thesaurusName gmd:CI_Citation gmd:title geo:CharacterString
1	history	Provides an audit trail for modifications to the original data.		gmi:MI_Metadata gmd:dataQualityInfo gmd:DQ_DataQuality gmd:history gmd:LI_LiUsage gmd:statement geo:CharacterString
1	comment	Unofficial comments about the data.	metadata@documentation	gmi:MI_Metadata gmi:identificationInfo gmd:MD_DataIdentification gmd:supplementalInformation
1	Identification Text Search Extent Search Other Extent Information Creator Search Contributor Search Publisher Search Other Attributes			

NCML to ISO

Translate from NCML to ISO 19115-2. Input: ACDD compliant NetCDF XML

```
<?xml:NI_Metadata xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:geo="http://www.isotc211.org/2005/geo" xmlns:gmd="http://www.isotc211.org/2005/gmd"
xmlns:gmi="http://www.isotc211.org/2005/gmi" xmlns:srv="http://www.isotc211.org/2005/srv" xmlns:gmw="http://www.isotc211.org/2005/gmw" 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:xss="http://www.w3.org/2001/XMLSchema" xsi:schemaLocation="http://www.isotc211.org/2005/gmi http://data.noaa.gov/resources/iso19139/schema.xsd">
  <gco:fileIdentifier>
    <gco:CharacterString>gov.noaa.nesdis.nde:0a62e344-6916-4070-926a-1c65a85308d2</gco:CharacterString>
  </gmd:fileIdentifier>
  <gmd:language>
    <gmd:LanguageCode codeList="https://data.noaa.gov/resources/iso19139/schema/resources/CodeList/gmxCodeLists.xml#LanguageCode" codeListValue="eng">eng</gmd:LanguageCode>
  </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_ResponsibilityParty>
      <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>esppcooperations@noaa.gov</gco:CharacterString>
              </gmd:electronicMailAddress>
            </gmd:CI_Address>
          </gmd:address>
        </gmd:CI_Contact>
      </gmd:contactInfo>
    </gmd:CI_ResponsibilityParty>
  </gmd:contact>

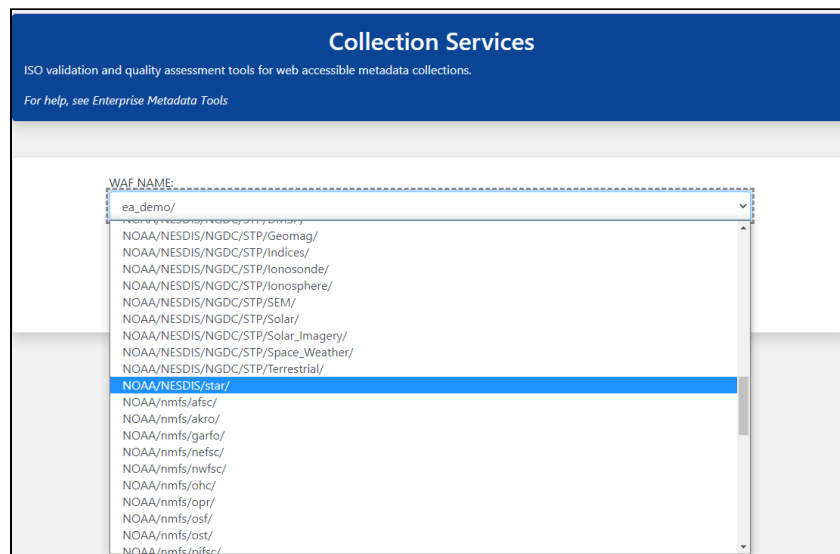
```

Collection Services

WAF On Demand

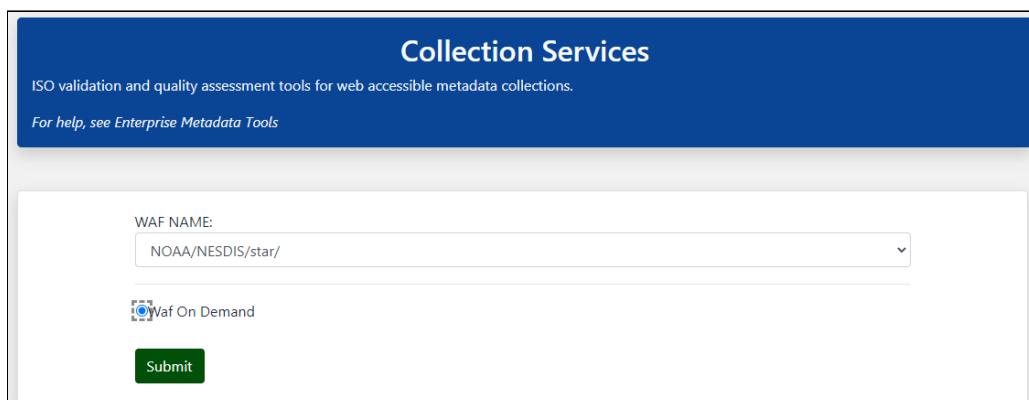
Web Accessible Files (WAFs) are configured to be refreshed on a recurring basis. (Insert comment about how often WAFs are refreshed is configured at setup). WAF On Demand is available to users that need to refresh an entire WAF immediately. WAF On Demand resolves Xlink components, generates rubric and 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](https://data.noaa.gov/cedit/) (<https://data.noaa.gov/cedit/>).

- Click ‘Collection Services’ from top banner
- From ‘WAF NAME’ dropdown menu, select a WAF



The screenshot shows the 'Collection Services' header with the subtitle 'ISO validation and quality assessment tools for web accessible metadata collections.' and a link 'For help, see Enterprise Metadata Tools'. Below this is a 'WAF NAME:' dropdown menu. The dropdown is open, showing a list of WAF names. The first option is 'ea_demo/'. The second option is 'NOAA/NESDIS/STP/Geomag/'. The third option is 'NOAA/NESDIS/STP/Indices/'. The fourth option is 'NOAA/NESDIS/STP/Ionosonde/'. The fifth option is 'NOAA/NESDIS/STP/Ionosphere/'. The sixth option is 'NOAA/NESDIS/STP/SEM/'. The seventh option is 'NOAA/NESDIS/STP/Solar/'. The eighth option is 'NOAA/NESDIS/STP/Solar_Imagery/'. The ninth option is 'NOAA/NESDIS/STP/Space_Weather/'. The tenth option is 'NOAA/NESDIS/STP/Terrestrial/'. The eleventh option is 'NOAA/NESDIS/star/'. The twelfth option is 'NOAA/nmfs/afsc/'. The thirteenth option is 'NOAA/nmfs/akro/'. The fourteenth option is 'NOAA/nmfs/garfo/'. The fifteenth option is 'NOAA/nmfs/nfsc/'. The sixteenth option is 'NOAA/nmfs/nwfs/'. The seventeenth option is 'NOAA/nmfs/ohc/'. The eighteenth option is 'NOAA/nmfs/opr/'. The nineteenth option is 'NOAA/nmfs/ost/'. The twentieth option is 'NOAA/nmfs/ost/'. The twenty-first option is 'NOAA/nmfs/ost/'.

- Select ‘WAF On Demand’
- Click ‘Submit’



The screenshot shows the 'Collection Services' header with the subtitle 'ISO validation and quality assessment tools for web accessible metadata collections.' and a link 'For help, see Enterprise Metadata Tools'. Below this is a 'WAF NAME:' dropdown menu. The dropdown is closed, showing 'NOAA/NESDIS/star/'. Below the dropdown is a radio button labeled 'Waf On Demand' which is selected. Below the radio button is a green 'Submit' button.

- 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:
NOAA/NESDIS/star/

☒ Waf On Demand

Submit

If ONDEMAND not selected, receive error message

