

OPEN this document in any xml editor to modify the fields

```
<?xml version="1.0" encoding="utf-8"?>
<gmi:MI_Metadata id="gov.iasoa.example.use.fileIdentifier.here"
  xmlns:gmi="http://www.isotc211.org/2005/gmi"
  xmlns:srv="http://www.isotc211.org/2005/srv" xmlns:gmd="http://www.isotc211.org/2005/gmd"
  xmlns:gco="http://www.isotc211.org/2005/gco" xmlns:xlink="http://www.w3.org/1999/xlink"
  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:gsr="http://www.isotc211.org/2005/gsr"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:schemaLocation="http://www.isotc211.org/2005/gmd http://ngdc.noaa.gov/metadata/published/xsd/schema.xsd">

  <gmd:fileIdentifier>
    <gco:CharacterString><!--see recommendations--></gco:CharacterString>
  </gmd:fileIdentifier>
  <gmd:language>
    <gco:CharacterString>en</gco:CharacterString>
  </gmd:language>
  <gmd:characterSet>
    <gmd:MD_CharacterSetCode
      codeList="http://www.isotc211.org/2005/resources/Codelist/gmxCodellists.xml#MD_CharacterSetCode"
      codeListValue="utf8"/>
    </gmd:characterSet>
  <gmd:contact>
    <!--This is the contact for the author of the metadata record itself-->
    <gmd:CI_ResponsibleParty>
      <gmd:individualName>
        <gco:CharacterString><!--see recommendations--></gco:CharacterString>
      </gmd:individualName>
      <gmd:organisationName>
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<gco:CharacterString><!--see recommendations--></gco:CharacterString>
</gmd:organisationName>
<gmd:positionName>
  <gco:CharacterString><!--see recommendations--></gco:CharacterString>
</gmd:positionName>
<gmd:contactInfo>
  <gmd:CI_Contact>
    <gmd:phone>
      <gmd:CI_Telephone>
        <gmd:voice>
          <gco:CharacterString><!--see recommendations--></gco:CharacterString>
        </gmd:voice>
      </gmd:CI_Telephone>
    </gmd:phone>
  <gmd:address>
    <gmd:CI_Address>
      <gmd:deliveryPoint>
        <gco:CharacterString><!--see recommendations--></gco:CharacterString>
      </gmd:deliveryPoint>
      <gmd:city>
        <gco:CharacterString><!--see recommendations--></gco:CharacterString>
      </gmd:city>
      <gmd:administrativeArea>
        <gco:CharacterString><!--see recommendations--></gco:CharacterString>
      </gmd:administrativeArea>
      <gmd:postalCode>
        <gco:CharacterString><!--see recommendations--></gco:CharacterString>
      </gmd:postalCode>
      <gmd:country>
        <gco:CharacterString><!--see recommendations--></gco:CharacterString>
      </gmd:country>
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    <gmd:electronicMailAddress>
      <gco:CharacterString><!--see recommendations--></gco:CharacterString>
    </gmd:electronicMailAddress>
  </gmd:CI_Address>
</gmd:address>
<gmd:onlineResource>
  <gmd:CI_OnlineResource>
    <gmd:linkage>
      <gmd:URL><!--see recommendations--></gmd:URL>
    </gmd:linkage>
  </gmd:CI_OnlineResource>
</gmd:onlineResource>
</gmd:CI_Contact>
</gmd:contactInfo>
<gmd:role>
  <gmd:CI_RoleCode
codeList="http://www.ngdc.noaa.gov/metadata/published/xsd/schema/resources/Codelist/gmxCodelists.xml#CI_RoleCode"
codeListValue="custodian">custodian</gmd:CI_RoleCode>
  </gmd:role>
</gmd:CI_ResponsibleParty>
</gmd:contact>
<!--This is the date of metadata creation or revision-->
<gmd:dateStamp>
  <gco:Date>2013-06-03</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>

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</gmd:metadataStandardVersion>
<!--Recommended Reference System, used by GAW-->
<gmd:referenceSystemInfo>
  <gmd:MD_ReferenceSystem>
    <gmd:referenceSystemIdentifier>
      <gmd:RS_Identifier>
        <gmd:code>
          <gco:CharacterString>WGS 84</gco:CharacterString>
        </gmd:code>
        <gmd:codeSpace>
          <gco:CharacterString>World Geodetic System</gco:CharacterString>
        </gmd:codeSpace>
      </gmd:RS_Identifier>
    </gmd:referenceSystemIdentifier>
  </gmd:MD_ReferenceSystem>
</gmd:referenceSystemInfo>
<gmd:identificationInfo>
  <gmd:MD_DataIdentification>
    <gmd:citation>
      <gmd:CI_Citation>
        <gmd:title>
          <gco:CharacterString><!--see recommendations--></gco:CharacterString>
        </gmd:title>
        <gmd:date>
          <gmd:CI_Date>
            <gmd:date>
              <gco:Date>1900-01-01</gco:Date>
            </gmd:date>
            <gmd:dateType>
              <!--example below is for a "revision" date, adjust code as appropriate, see recommendations-->
              <gmd:CI_DateTypeCode codeList="./resources/codeList.xml#CI_DateTypeCode">
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codeListValue="revision">revision</gmd:CI_DateTypeCode>
  </gmd:dateType>
  </gmd:CI_Date>
</gmd:date>
<gmd:citedResponsibleParty>
  <!-- repeat of Prinicpal Investigator information in pointOfContact below, preferred by some archives (e.g. DOE) -->
  <gmd:CI_ResponsibleParty>
    <gmd:individualName>
      <gco:CharacterString><!--see recommendations, use Principal Investigator(s) contact info where possible-->
    </gco:CharacterString>
  </gmd:individualName>
  <gmd:organisationName>
    <gco:CharacterString><!--see recommendations--></gco:CharacterString>
  </gmd:organisationName>
  <gmd:positionName>
    <gco:CharacterString><!--see recommendations--></gco:CharacterString>
  </gmd:positionName>
  <gmd:contactInfo>
    <gmd:CI_Contact>
      <gmd:address>
        <gmd:CI_Address>
          <gmd:electronicMailAddress>
            <gco:CharacterString><!--see recommendations--></gco:CharacterString>
          </gmd:electronicMailAddress>
        </gmd:CI_Address>
      </gmd:address>
    </gmd:CI_Contact>
  </gmd:contactInfo>
  <gmd:role>
    <gmd:CI_RoleCode

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codeList="http://www.ngdc.noaa.gov/metadata/published/xsd/schema/resources/Codelist/gmxCodellists.xml#CI_RoleCod

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e" codeListValue="pointOfContact">pointOfContact</gmd:CI_RoleCode>
  </gmd:role>
  </gmd:CI_ResponsibleParty>
  </gmd:citedResponsibleParty>
  </gmd:CI_Citation>
  </gmd:citation>
  <gmd:abstract>
    <gco:CharacterString><!--this is a good example-->Time series of Global solar radiation measurements
    (type:Radiation) at Global Atmosphere Watch station Eureka (station type: Regional). Measurements are Continuous. The
    measurement interval is 1 Hour(s). The measurement method is Eppley pyranometer. Located 15 km from Eureka, a
    remote weather station 1,100 km from the north pole, the ultra-modern facility became a centre for international research.
    The building shell was erected in summer 1992 and the scientific instrumentation was installed in 1993. The observatory
    includes four large laboratories, a roof-top observing platform for instrumentation and a small living quarters.Presently the
    observatory is not operating. The most delicate instruments remain in the observatory while the Brewer ozone
    spectrophotometers have been re-located to the nearby Eureka weather station (79.99°N, 85.90°W). This allows the
    continuation of stratospheric ozone monitoring.&lt;a href="http://www.ndacc.org/sites/stat_reps/eureka"
    target="_blank">NDACC station</a>; lidar,FTIR, o3sonde</gco:CharacterString>
  </gmd:abstract>
  <gmd:pointOfContact>
    <!-- repeat of Prinicpal Investigator information in citedResponsibleParty above, preferred by some archives (e.g.
    GAW) -->
    <gmd:CI_ResponsibleParty>
      <gmd:individualName>
        <gco:CharacterString><!--see recommendations, use Principal Investigator(s) contact info where possible--
        ></gco:CharacterString>
      </gmd:individualName>
      <gmd:organisationName>
        <gco:CharacterString><!--see recommendations--></gco:CharacterString>
      </gmd:organisationName>
      <gmd:positionName>
        <gco:CharacterString><!--see recommendations--></gco:CharacterString>

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</gmd:positionName>
<gmd:contactInfo>
  <gmd:CI_Contact>
    <gmd:address>
      <gmd:CI_Address>
        <gmd:electronicMailAddress>
          <gco:CharacterString><!--see recommendations--></gco:CharacterString>
        </gmd:electronicMailAddress>
      </gmd:CI_Address>
    </gmd:address>
  </gmd:CI_Contact>
</gmd:contactInfo>
<gmd:role>
  <gmd:CI_RoleCode
codeList="http://www.ngdc.noaa.gov/metadata/published/xsd/schema/resources/Codelist/gmxCodelists.xml#CI_RoleCod
e" codeListValue="pointOfContact">pointOfContact</gmd:CI_RoleCode>
  </gmd:role>
</gmd:CI_ResponsibleParty>
</gmd:pointOfContact>
<gmd:descriptiveKeywords>
<!--Mandatory Element for IASOA implementation, please follow 3-tiered vocabulary, see IASOA thesaurus-->
<gmd:MD_Keywords>
  <gmd:keyword>
    <!--example of 3-tiered encoding. Keywords are repeatable for as many parameters as appear in the dataset-->
    <gco:CharacterString>Radiation:Solar:Global solar radiation</gco:CharacterString>
  </gmd:keyword>
  <gmd:type>
    <gmd:MD_KeywordTypeCode
codeList="http://www.isotc211.org/2005/resources/Codelist/gmxCodelists.xml#MD_KeywordTypeCode"
codeListValue="theme">theme</gmd:MD_KeywordTypeCode>
  </gmd:type>

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<gmd:thesaurusName>
  <gmd:CI_Citation>
    <gmd:title>
      <gco:CharacterString>IASOA Thesaurus</gco:CharacterString>
    </gmd:title>
    <gmd:date>
      <gmd:CI_Date>
        <gmd:date>
          <gco:Date>2013-08-20</gco:Date>
        </gmd:date>
        <gmd:dateType>
          <gmd:CI_DateTypeCode codeList=".resources/codeList.xml#CI_DateTypeCode"
codeListValue="revision">revision</gmd:CI_DateTypeCode>
        </gmd:dateType>
      </gmd:CI_Date>
    </gmd:date>
    <gmd:citedResponsibleParty>
      <gmd:CI_ResponsibleParty>
        <gmd:individualName>
          <gco:CharacterString>Sandra Starkweather</gco:CharacterString>
        </gmd:individualName>
        <gmd:organisationName>
          <gco:CharacterString>IASOA</gco:CharacterString>
        </gmd:organisationName>
        <gmd:contactInfo>
          <gmd:CI_Contact>
            <gmd:onlineResource>
              <gmd:CI_OnlineResource>
                <gmd:linkage><!--link will be available when website goes live--></gmd:linkage>
              </gmd:CI_OnlineResource>
            </gmd:onlineResource>
          </gmd:CI_Contact>
        </gmd:contactInfo>
      </gmd:CI_ResponsibleParty>
    </gmd:citedResponsibleParty>
  </gmd:CI_Citation>
</gmd:thesaurusName>
```



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    </gmd:CI_Contact>
  </gmd:contactInfo>
  <gmd:role>
    <gmd:CI_RoleCode
codeList="http://www.ngdc.noaa.gov/metadata/published/xsd/schema/resources/Codelist/gmxCodelists.xml#CI_RoleCod
e" codeListValue="custodian">custodian</gmd:CI_RoleCode>
    </gmd:role>
  </gmd:CI_ResponsibleParty>
</gmd:citedResponsibleParty>
</gmd:CI_Citation>
</gmd:thesaurusName>
</gmd:MD_Keywords>
</gmd:descriptiveKeywords>
<gmd:spatialRepresentationType>
  <gmd:MD_SpatialRepresentationTypeCode codeList="/resources/codeList.xml#MD_SpatialRepresentationTypeCode"
codeListValue="textTable">textTable</gmd:MD_SpatialRepresentationTypeCode>
</gmd:spatialRepresentationType>
<gmd:language>
  <gco:CharacterString>en</gco:CharacterString>
</gmd:language>
<gmd:characterSet>
  <gmd:MD_CharacterSetCode codeList="http://wis.wmo.int/2006/catalogues/gmxCodelists.xml#MD_CharacterSetCode"
codeListValue="iso-8859-1">iso-8859-1</gmd:MD_CharacterSetCode>
</gmd:characterSet>
<gmd:topicCategory>
  <gmd:MD_TopicCategoryCode>climatologyMeteorologyAtmosphere</gmd:MD_TopicCategoryCode>
</gmd:topicCategory>
<gmd:extent>
  <gmd:EX_Extent>
    <gmd:description>
      <gco:CharacterString>The bounding box corresponds to the facility-platform where the data was

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acquired.</gco:CharacterString>
</gmd:description>
<gmd:geographicElement>
  <gmd:EX_GeographicBoundingBox>
    <gmd:westBoundLongitude>
      <gco:Decimal>100.001</gco:Decimal>
    </gmd:westBoundLongitude>
    <gmd:eastBoundLongitude>
      <gco:Decimal>100.000</gco:Decimal>
    </gmd:eastBoundLongitude>
    <gmd:southBoundLatitude>
      <gco:Decimal>78.000</gco:Decimal>
    </gmd:southBoundLatitude>
    <gmd:northBoundLatitude>
      <gco:Decimal>78.001</gco:Decimal>
    </gmd:northBoundLatitude>
  </gmd:EX_GeographicBoundingBox>
</gmd:geographicElement>
<gmd:temporalElement>
  <gmd:EX_TemporalExtent>
    <gmd:extent>
      <gml:TimePeriod gml:id="use.uniqueid.timePeriod">
        <gml:beginPosition>1900-01-01</gml:beginPosition>
        <gml:endPosition>1901-01-01</gml:endPosition>
      </gml:TimePeriod>
    </gmd:extent>
  </gmd:EX_TemporalExtent>
</gmd:temporalElement>
<gmd:verticalElement>
  <gmd:EX_VerticalExtent>
    <gmd:minimumValue>
```

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<gco:Real>0.0</gco:Real>
</gmd:minimumValue>
<gmd:maximumValue>
  <gco:Real>0.0</gco:Real>
</gmd:maximumValue>
<gmd:verticalCRS gco:nilReason="unknown"/>
</gmd:EX_VerticalExtent>
</gmd:verticalElement>
</gmd:EX_Extent>
</gmd:extent>
</gmd:MD_DataIdentification>
</gmd:identificationInfo>
<gmd:contentInfo>
  <gmd:MD_CoverageDescription>
    <gmd:attributeDescription>
      <gco:RecordType xlink:href="insert.URL.to.referenceInformation.here"/>
    </gmd:attributeDescription>
    <gmd:contentType>
      <gmd:MD_CoverageContentTypeCode
codeList="http://www.isotc211.org/2005/resources/Codelist/gmxCodellists.xml#MD_CoverageContentTypeCode"
codeListValue="referenceInformation">referenceInformation</gmd:MD_CoverageContentTypeCode>
    </gmd:contentType>
  </gmd:MD_CoverageDescription>
</gmd:contentInfo>
<gmd:distributionInfo>
  <gmd:MD_Distribution>
    <gmd:distributionFormat>
      <gmd:MD_Format>
        <gmd:name>
          <gco:CharacterString>ASCII (formatted)</gco:CharacterString>
        </gmd:name>
```

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<gmd:version>
  <gco:CharacterString>unknown</gco:CharacterString>
</gmd:version>
</gmd:MD_Format>
</gmd:distributionFormat>
<gmd:distributor>
  <gmd:MD_Distributor>
    <gmd:distributorContact>
      <gmd:CI_ResponsibleParty>
        <gmd:role>
          <gmd:CI_RoleCode codeList="/resources/codeList.xml#CI_RoleCode"
codeListValue="distributor">distributor</gmd:CI_RoleCode>
        </gmd:role>
      </gmd:CI_ResponsibleParty>
    </gmd:distributorContact>
  </gmd:MD_Distributor>
</gmd:distributor>
<gmd:transferOptions>
  <gmd:MD_DigitalTransferOptions>
    <gmd:onLine>
      <gmd:CI_OnlineResource>
        <gmd:linkage>
          <gmd:URL>http://insert.closestPossible.linkTo.originalData.here</gmd:URL>
        </gmd:linkage>
        <gmd:protocol>
          <gco:CharacterString>WWW:LINK-1.0-http--link</gco:CharacterString>
        </gmd:protocol>
        <gmd:name>
          <gco:CharacterString><!-- name of the link --></gco:CharacterString>
        </gmd:name>
        <gmd:description>
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    <gco:CharacterString><!-- describe what data is found at the link, provide any additional navigation instructions here
--></gco:CharacterString>
  </gmd:description>
  </gmd:CI_OnlineResource>
  </gmd:onLine>
  </gmd:MD_DigitalTransferOptions>
  </gmd:transferOptions>
  </gmd:MD_Distribution>
</gmd:distributionInfo>
<gmd:dataQualityInfo>
  <gmd:DQ_DataQuality>
  <gmd:scope>
  <gmd:DQ_Scope>
  <gmd:level>
  <gmd:MD_ScopeCode codeList="./resources/codeList.xml#MD_ScopeCode"
codeListValue="dataset">dataset</gmd:MD_ScopeCode>
  </gmd:level>
  </gmd:DQ_Scope>
  </gmd:scope>
  <gmd:lineage>
  <gmd:LI_Lineage>
  <gmd:statement>
  <gco:CharacterString>Provide relevant historical information that might impact the quality of the
data.</gco:CharacterString>
  </gmd:statement>
  <gmd:processStep>
  <gmd:LI_ProcessStep>
  <gmd:description>
  <gco:CharacterString>Provide information on how the data were processed.</gco:CharacterString>
  </gmd:description>
  </gmd:LI_ProcessStep>

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</gmd:processStep>  
</gmd:LI_Lineage>  
</gmd:lineage>  
</gmd:DQ_DataQuality>  
</gmd:dataQualityInfo>  
</gmi:MI_Metadata>
```