Your data has been provided with metadata in XML format. This XML conforms to ISO19115, which is a standard designed for describing geographic information and services. This document describes the XML tags provided.

Section titles in this document correspond to tag names in the XML.

Contents

1 gmd:fileIdentifier

A string which uniquely identifies the metadata.

2 gmd:language

The language the metadata is written in.

3 gmd:hierarchyLevel

The type of data that the metadata describes. This is either "dataset" or "series".

4 gmd:contact

The contact details of whoever produced the metadata.

5 gmd:dateStamp

The time that the metadata was created (UTC).

6 gmd:metadataStandardName

The metadata standard name. This will always be ISO19115

7 gmd:metadataStandardVersion

The standard version. Will be 2003/Cor.1:2006

8 gmd:identificationInfo

8.1 gmd:title

A short line saying what the XML is describing. Will contain the project code and flight day, and if the XML describes a flightline, it will contain the sensor and line ID of the flightline.

8.2 gmd:abstract

A short summary of the project taken from the project application form

8.3 gmd:purpose

A short summary of the scientific objective of the project taken from the project application form

8.4 gmd:credit

Credit for the data - contains pilot and flight operator.

8.5 gmd:pointOfContact

Contact details for ARSF-DAN (Plymouth) and ARSF operations (Gloucester)

8.5.1 gmd:CI_RoleCode

Tells us what relationship this contact has to the flight.

8.6 gmd:descriptiveKeywords

Keyword describing the data

8.7 gmd:resourceConstraints

Contraints on access and usage of the data.

8.7.1 gmd:useLimitation

Description of the restriction

8.7.2 gmd:MD_RestrictionCode

The type of restriction placed on the data e.g. copyright.

8.8   gmd:extent

Temporal and spatial extents of the data.

8.8.1   gmd:description

General area that the data was collected over.

8.8.2   gmd:geographicElement

Bounding box describing the spatial extents of the dataset. All in geographic Lat/Lon.

8.8.3   gmd:temporalElement

When recording of the data started and ended in UTC time.

8.9   gmd:supplementalInformation

Data that wouldn't fit into other tags in the metadata, written in "key: value" pairs. This section will describe the keys. This is not present for metadata that describes the whole project.

8.9.1   sensorSpecifics

Information about the sensor

8.9.1.1   type   The type of sensor

8.9.1.2   pixelsInLine   Number of pixels in a single scanline

8.9.1.3   maximumScanAngle   Maximum scan angle from nadir

8.9.1.4   FOV   Total field of view of the sensor

8.9.1.5   IFOV   Field of view of a single pixel at the nadir

8.9.2   sensorParameters

Configuration of the sensor whilst recording the data

8.9.2.1   numberOfSpectralBands   Number of spectral bands recorded

8.9.2.2   scanFrequency   Number of scan lines recorded per second

8.9.2.3 integrationTime   Amount of time sensor is exposed to light per frame.

8.9.2.4 spectralBinning   Spectral binning of the data

8.9.2.5 spatialBinning   Spatial binning of the data

8.9.3 radiometricCalibration

Radiometric calibration used during the processing of the RAW data

8.9.3.1 calibrationLaboratory   Laboratory that produced the calibration

8.9.3.2 radianceUnits   Radiance units of the calibration file

8.9.3.3 calibrationFilename   Filename of the calibration file used

8.9.3.4 dateOfCalibrationFile   Date the calibration was produced

8.9.4 spectralCalibration

Information about the spectral calibration used

8.9.4.1 calibrationLaboratory   Laboratory that produced the calibration file

8.9.4.2 calibrationFilename   Filename of the calibration file used

8.9.4.3 dateOfCalibrationFile   Date the calibration file was produced

8.9.5 aquisitionInfo

Information about the equipment used to capture the data

8.9.5.1 instrument   Instrument that recorded the data

8.9.5.2 platform   Platform the instrument was attached to

8.9.5.3 navigationUnit   Unit used to capture the navigation data used to process the image

8.9.6 software

Software used during the production of the data

8.9.6.1 softwareDescription Short description of the software

8.9.6.2 softwareName Name of the software

8.9.6.3 softwareVersion Version of the software used to produce the data

8.9.7 dem

The digital elevation model used to process the data

8.9.7.1 filename Filename of the DEM

8.9.7.2 source The source of the data used to produce the DEM. Will be NEXTMAP for UK data and either SRTM or ASTER for overseas data.

8.9.7.3 pixelSizeX Pixel size of the DEM in the X direction

8.9.7.4 pixelSizeY Pixel size of the DEM in the Y direction

8.9.7.5 resolution If an ASCII DEM was used, this will provide the resolution in metres of the DEM

8.9.8 band

Description of a band captured by the sensor

8.9.8.1 centreWavelength Centre wavelength of the band captured

8.9.8.2 bandwidth Bandwidth of the band

8.9.8.3 FOV Field of view

8.9.8.4 IFOV Instantaneous field of view

8.9.9 Other metadata

8.9.9.1 altitudeAboveSeaLevel Average altitude of the plane when capturing the data

8.9.9.2 angleToTrueNorth Average heading of the plane whilst capturing the data

8.9.9.3 planeSpeed Average plane speed whilst capturing the data

8.9.9.4 landCover Approximate percentage of the data which is captured over land

8.9.9.5 base Where the plane took off from

8.9.9.6 synchronizationProblem Difference in seconds between the nav sync message recorded for the data and the corrected nav sync time.

9 gmd:distributionInfo

Information about how the data has been distributed

9.1 gmd:distributionFormat

Format and version that the data was made available in.

9.2 gmd:transferOptions

Where the data is available to download

10 gmd:dataQualityInfo

Information about the quality of the data provided.

10.1 gmd:result

Details about the data quality specification and whether the data conforms to that specification

10.1.1 gmd:specification

Information about the data quality specification

10.1.1.1 gmd:title Title of the data quality specification

10.1.1.2 gmd:date Date the specification was published

10.1.2 gmd:explanation

Short explanation of the conformance result

10.1.3   gmd:pass

Whether the data conforms to the specification

10.2   gmd:lineage

Information about the lineage of the data

10.2.1   gmd:processStep

Information about a process step taken to produce the data

10.2.1.1   gmd:description   The software and command line arguments given for this process step