

ECHO Metadata Attributes (ECHO) Home



The XPaths provided on the following pages were current as of 12/2012. A more current mapping has been developed and is available [here](#). The XPaths on the following child pages will be updated ASAP.



The XPaths notwithstanding, information contained on the following child pages remains current and can be helpful in constructing schemas for new missions.

- [Introduction](#)
 - [Resources](#)
- [Thematic Organization of the ECHO Attributes](#)
- [Required Granule Attributes](#)
- [ECHO Attribute Field Definitions](#)

Introduction

The relationship between the ECHO attributes and the NASA Best Practices for ISO is complex. The following pages contain valuable and up-to-date information on ECHO and ISO data structures and attributes. The pages are organized thematically and contain information that may assist users updating their knowledge of ECS.

Resources

- [ECHO Partner Guides and Documents](#)
- [Granule Metadata \(Legacy\)](#)
- [ECHO Model Evolution \(Legacy\)](#)

Thematic Organization of the ECHO Attributes

Search and browse the [ECHO Attributes Translated to the NASA Schema of ISO](#) [ECHO Attributes Translated to the NASA Schema of ISO \(Provisional\)](#)

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Note the (ECHO) designation is intended to distinguish the themes from the ECS theme which have a slightly different data structure.

Required Granule Attributes

- Browse Products (Granule)
- Collection Short Name (Granule)
- Collection Version Id (Granule)
- Dataset Id (Granule)
- Granule UR (Granule)
- Instrument Long Name (Granule)
- Instrument Short Name (Granule)
- Last Update (Granule)
- Online Access URL (Granule)
- Online Resource URL (Granule)
- Platform Long Name (Granule)
- Platform Short Name (Granule)
- Producer Granule Id (Granule)
- Spatial (Bounding Box) (Granule)
- Temporal (Granule)

ECHO Attribute Field Definitions

Following are the field names and descriptions used in the generation of the ECHO-ISO crosswalk and attribute documentation.

ECHO Name

ECHO Attribute Name

Metadata Level

"Collection" or "Granule" only. An attribute that occurs both at the granule and collection level should be denoted as such in the "Attribute Definition Comments"

Data Type

Native database data type e.g. "Text" or "** Bit String". Proprietary codes are not used.

Obligation

"Mandatory" or "Optional" only. "Core" or "Recommended" should go under "Attribute Definition Comments"

Description

Description of the attribute, building upon latest definitions document e.g. 420-EMD-001

Sample Value

Sample value that will be accepted for ingest or is representative of suitable use of the attribute

Theme

The thematic area corresponding under which the attribute will be found on the Earthdata wiki. Could be more than one but usually only one thematic area. Examples include "Spatial Information".

ECHO Path

The ECHO Path

ISO XPath

The ISO XPath



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