

# **PDS4 Data Dictionary**

**Abridged - Version 1.6.0.0**

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# **PDS4 Data Dictionary: Abridged - Version 1.6.0.0**

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# Chapter 1. Introduction

The Planetary Data System (PDS) PDS4 Data Dictionary defines the organization and components of PDS4 product labels. Components of a product label include classes and their attributes.

## Audience

The PDS4 Data Dictionary - Abridged - has been abstracted from the unabridged version with the needs of data providers and data end users in mind. It contains full definitions but not all the fine detail or repetition necessary to support the underlying Information Model.

## Acknowledgements

The PDS4 Data Dictionary and the PDS4 Information Model is a joint effort involving representatives from each of the PDS nodes functioning as the PDS4 Data Design Working Group.

## Scope

The PDS4 Data Dictionary defines the common and discipline level classes and attributes used to create PDS4 product labels. It also defines the meta-attributes (i.e. attributes about attributes) used to define attributes. This abridged version includes only one entry for each attribute where the unabridged version includes an entry for each use of an attribute in a class.

## Applicable Documents

### Controlling Documents

- PDS4 Information Model Specification - The PDS4 Information Model is used as the source for class, attribute, and data type definitions. The model is presented in document format as the PDS4 Information Model Specification.
- ISO/IEC 11179:3 Registry Metamodel and Basic Attributes Specification, 2003. - The ISO/IEC 11179 specification provides the schema for the PDS4 data dictionary.

### Reference Documents

- Planetary Science Data Dictionary - The online version of the PDS3 data dictionary was used as the source for a few data elements being carried over from the PDS3 data standards.

## Terminology

This document uses very specific engineering terminology to describe the various structures involved. It is particularly important that readers who have absorbed the PDS Standards Reference bear in mind that terms which are familiar in that context can have very different meanings in the present document.

Following are some definitions of essential terms used throughout this document.

- An *attribute* is a property or characteristic that provides a unit of information. For example, ♦color♦ and ♦length♦ are possible attributes.
- A *class* is a set of attributes (including a name) which defines a family. A class is generic ♦ a template from which individual members of the family may be constructed.

- A *conceptual object* is an object which is intangible (and, because it is intangible, does not fit into a digital archive). Examples of **◆conceptual objects◆** include the Cassini mission and NASA's strategic plan for solar system exploration. Note that a PDF describing the Cassini mission is a digital object, not a conceptual object (nor a component of a conceptual object).
- A *data element* is a unit of data for which the definition, identification, representation and *permissible values* are specified by means of a set of attributes. For example, the concept of a *calibration\_lamp\_state\_flag* is used in the PDS archive to indicate whether the lamp used for onboard camera calibration was turned on or off during the capture of an image. The *data element* aspect of this concept is the named attribute (or data element) *calibration\_lamp\_state\_flag*.
- A *data object* is a physical, conceptual, or digital object.
- A *digital object* is an object which is real data **◆** for example, a binary image of a redwood tree or an ASCII table of atmospheric composition versus altitude.
- *Formal* as used in the definition of attributes that are names indicates that an established procedure was involved in creating the name.
- A *unique identifier* is a special type of identifier used to provide a reference number which is unique in a context.
- *Local* refers to the context within a single label.
- *Logical* as used in the definition of logical identifier indicates that the identifier logically groups a set of objects.
- A *physical object* is an object which is physical or tangible (and, therefore, does not itself fit into a digital archive). Examples of **◆physical objects◆** include the planet Saturn and the Venus Express magnetometer. Note that an ASCII file describing Saturn is a digital object, not a physical object (nor a component of a physical object).
- A *resource* is the target (referent) of any Uniform Resource Identifier; the thing to which a URI points.

# Chapter 2. Product Classes in the common (pds) namespace.

These classes define the PDS4 products.

## Ingest\_LDD

<b>Name: Ingest_LDD</b>			<b>Version Id: 1.1.0.0</b>
<i>Description:</i> The Ingest_LDD class provides a form for collecting class and attribute definitions.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Tagged_NonDigital_Object :: TNDO_Supplemental :: Ingest_LDD			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	name	1..1	None
	ldd_version_id	1..1	None
	full_name	1..1	None
	steward_id	1..1	None
	namespace_id	1..1	None
	external_property_maps_id	0..Unbounded	None
	comment	0..1	None
	last_modification_date_time	1..1	None
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	data_object	1..1	Conceptual_Object
	local_attribute	0..Unbounded	DD_Attribute
	local_class	0..Unbounded	DD_Class
	local_rule	0..Unbounded	DD_Rule
	has_Property_Maps	0..Unbounded	Property_Maps
<i>Referenced from:</i> None			

## Product\_AIP

<b>Name: Product_AIP</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The Product AIP class defines a product for the Archival Information Package.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Product :: Product_AIP			
<i>No Attributes</i>			
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	has_identification_area	1..1	Identification_Area
	reference_list	0..1	Reference_List
	has_Information_Package_Component	1..Unbounded	Information_Package_Component

<b>Name: Product_AIP</b>			<b>Version Id: 1.0.0.0</b>
	product_data_object	1..1	Archival_Information_Package
<i>Referenced from:</i> None			

## Product\_Ancillary

<b>Name: Product_Ancillary</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The Product_Ancillary class defines a product that contains data that are supplementary to observational data and cannot reasonably be associated with any other non-observational data class. Use of Product_Ancillary must be approved by the curating node.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Product :: Product_Ancillary			
<i>No Attributes</i>			
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	has_identification_area	1..1	Identification_Area
	context_area	0..1	Context_Area
	reference_list	0..1	Reference_List
	file_area	1..Unbounded	File_Area_Ancillary
<i>Referenced from:</i> None			

## Product\_Attribute\_Definition

<b>Name: Product_Attribute_Definition</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The Product Attribute Definition provides an attribute definition in XML encoding.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Product :: Product_Attribute_Definition			
<i>No Attributes</i>			
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	has_identification_area	1..1	Identification_Area
	reference_list	0..1	Reference_List
	product_data_object	1..1	DD_Attribute_Full
<i>Referenced from:</i> None			

## Product\_Browse

<b>Name: Product_Browse</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The Product Browse class defines a product consisting of one encoded byte stream digital object.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Product :: Product_Browse			
<i>No Attributes</i>			
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	has_identification_area	1..1	Identification_Area

<b>Name: Product_Browse</b>			<b>Version Id: 1.0.0.0</b>
	reference_list	0..1	Reference_List
	file_area	1..Unbounded	File_Area_Browse
<i>Referenced from:</i> None			

## Product\_Bundle

<b>Name: Product_Bundle</b>			<b>Version Id: 1.1.0.0</b>
<i>Description:</i> A Product_Bundle is an aggregate product and has a table of references to one or more collections.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Product :: Product_Bundle			
<i>No Attributes</i>			
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	has_identification_area	1..1	Identification_Area
	context_area	0..1	Context_Area
	reference_list	0..1	Reference_List
	product_data_object	1..1	Bundle
	file_area	0..1	File_Area_Text
	member_entry	1..Unbounded	Bundle_Member_Entry
<i>Referenced from:</i> None			

## Product\_Class\_Definition

<b>Name: Product_Class_Definition</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The Product Class Definition provides a class definition in XML encoding.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Product :: Product_Class_Definition			
<i>No Attributes</i>			
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	has_identification_area	1..1	Identification_Area
	reference_list	0..1	Reference_List
	product_data_object	1..1	DD_Class_Full
<i>Referenced from:</i> None			

## Product\_Collection

<b>Name: Product_Collection</b>			<b>Version Id: 1.1.0.0</b>
<i>Description:</i> A Product_Collection has a table of references to one or more basic products. The references are stored in a table called the inventory.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Product :: Product_Collection			
<i>No Attributes</i>			

<b>Name: Product_Collection</b>			<b>Version Id: 1.1.0.0</b>
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	has_identification_area	1..1	Identification_Area
	context_area	0..1	Context_Area
	reference_list	0..1	Reference_List
	product_data_object	1..1	Collection
	file_area_inventory	1..1	File_Area_Inventory
<i>Referenced from:</i> None			

## Product\_Context

<b>Name: Product_Context</b>			<b>Version Id: 1.1.0.0</b>
<i>Description:</i> The Product Context class describes something that provides context and provenance for an observational product.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Product :: Product_Context			
<i>No Attributes</i>			
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	has_identification_area	1..1	Identification_Area
	has_discipline_area	0..1	Discipline_Area
	reference_list	0..1	Reference_List
	product_data_object	1..1	Agency, Facility, Instrument, Instrument_Host, Investigation, Node, Other, PDS_Affiliate, PDS_Guest, Resource, Target, Telescope
<i>Referenced from:</i> None			

## Product\_DIP

<b>Name: Product_DIP</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The Product DIP class defines a product for the Dissemination Information Package.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Product :: Product_DIP			
<i>No Attributes</i>			
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	has_identification_area	1..1	Identification_Area
	reference_list	0..1	Reference_List
	has_Information_Package_Component	1..Unbounded	Information_Package_Component
	product_data_object	1..1	Dissemination_Information_Package
<i>Referenced from:</i> None			



## Product\_DIP\_Deep\_Archive

<b>Name: Product_DIP_Deep_Archive</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The Product DIP_Deep_Archive class defines a product for the Dissemination Information Package for the deep archive.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Product :: Product_DIP_Deep_Archive			
<i>No Attributes</i>			
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	has_identification_area	1..1	Identification_Area
	reference_list	0..1	Reference_List
	has_Information_Package_Component	1..Unbounded	Information_Package_Component
	product_data_object	1..1	DIP_Deep_Archive
<i>Referenced from:</i> None			

## Product\_Data\_Set\_PDS3

<b>Name: Product_Data_Set_PDS3</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The Data Set PDS3 product is used to create proxy labels for the data sets in the PDS3 Data Set catalog.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Product :: Product_Data_Set_PDS3			
<i>No Attributes</i>			
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	has_identification_area	1..1	Identification_Area
	reference_list	0..1	Reference_List
	product_data_object	1..1	Data_Set_PDS3
<i>Referenced from:</i> None			

## Product\_Document

<b>Name: Product_Document</b>			<b>Version Id: 2.1.0.0</b>
<i>Description:</i> A Product Document is a product consisting of a single logical document that may comprise one or more document editions.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Product :: Product_Document			
<i>No Attributes</i>			
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	has_identification_area	1..1	Identification_Area
	context_area	0..1	Context_Area
	reference_list	0..1	Reference_List
	has_document	1..1	Document
<i>Referenced from:</i> None			

## Product\_File\_Repository

<b>Name: Product_File_Repository</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The Product File Repository class consists of a single text file. This product is used to register a file in a repository.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Product :: Product_File_Repository			
<i>No Attributes</i>			
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	has_identification_area	1..1	Identification_Area
	reference_list	0..1	Reference_List
	file_area	1..1	File_Area_Binary
<i>Referenced from:</i> None			

## Product\_File\_Text

<b>Name: Product_File_Text</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The Product File Text consists of a single text file with ASCII character encoding.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Product :: Product_File_Text			
<i>No Attributes</i>			
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	has_identification_area	1..1	Identification_Area
	reference_list	0..1	Reference_List
	file_area	1..1	File_Area_Text
<i>Referenced from:</i> None			

## Product\_Instrument\_Host\_PDS3

<b>Name: Product_Instrument_Host_PDS3</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> An Instrument Host product describes an instrument host. This product captures the PDS3 catalog instrument host information.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Product :: Product_Instrument_Host_PDS3			
<i>No Attributes</i>			
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	has_identification_area	1..1	Identification_Area
	reference_list	0..1	Reference_List
	product_data_object	1..1	Instrument_Host_PDS3
<i>Referenced from:</i> None			

## Product\_Instrument\_PDS3

<b>Name: Product_Instrument_PDS3</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> An Instrument product describes an instrument. This product captures the PDS3 catalog instrument information.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Product :: Product_Instrument_PDS3			
<i>No Attributes</i>			
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	has_identification_area	1..1	Identification_Area
	reference_list	0..1	Reference_List
	product_data_object	1..1	Instrument_PDS3
<i>Referenced from:</i> None			

## Product\_Mission\_PDS3

<b>Name: Product_Mission_PDS3</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> An Mission product describes a mission. This product captures the PDS3 catalog mission information.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Product :: Product_Mission_PDS3			
<i>No Attributes</i>			
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	has_identification_area	1..1	Identification_Area
	reference_list	0..1	Reference_List
	product_data_object	1..1	Mission_PDS3
<i>Referenced from:</i> None			

## Product\_Native

<b>Name: Product_Native</b>			<b>Version Id: 1.2.0.0</b>
<i>Description:</i> Product_Native is used to describe digital objects in the original format returned by the spacecraft or experimental system when that format cannot be described using one of the PDS4 formats specified for observational data (tables or arrays, excluding Array_1D).			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Product :: Product_Native			
<i>No Attributes</i>			
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	has_identification_area	1..1	Identification_Area
	context_area	0..1	Context_Area
	reference_list	1..1	Reference_List
	file_area	1..Unbounded	File_Area_Native
<i>Referenced from:</i> None			

## Product\_Observational

<b>Name: Product_Observational</b>			<b>Version Id: 1.7.0.0</b>
<i>Description:</i> A Product_Observational is a set of one or more information objects produced by an observing system.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Product :: Product_Observational			
<i>No Attributes</i>			
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	has_identification_area	1..1	Identification_Area
	observation_area	1..1	Observation_Area
	reference_list	0..1	Reference_List
	file_area	1..Unbounded	File_Area_Observational
	file_area_supplemental	0..Unbounded	File_Area_Observational_Supplemental
<i>Referenced from:</i> None			

## Product\_Proxy\_PDS3

<b>Name: Product_Proxy_PDS3</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The Product Proxy PDS3 class defines a product with enough information to register a PDS3 data product.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Product :: Product_Proxy_PDS3			
<i>No Attributes</i>			
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	has_identification_area	1..1	Identification_Area
	reference_list	0..1	Reference_List
	file_area	1..Unbounded	File_Area_Binary
<i>Referenced from:</i> None			

## Product\_SIP

<b>Name: Product_SIP</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The Product SIP class defines a product for the Submission Information Package.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Product :: Product_SIP			
<i>No Attributes</i>			
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	has_identification_area	1..1	Identification_Area
	reference_list	0..1	Reference_List

<b>Name: Product_SIP</b>			<b>Version Id: 1.0.0.0</b>
	has_Information_Package_Component	1..Unbounded	Information_Package_Component
	product_data_object	1..1	Submission_Information_Package
<i>Referenced from:</i> None			

## Product\_SIP\_Deep\_Archive

<b>Name: Product_SIP_Deep_Archive</b>			<b>Version Id: 1.1.0.0</b>
<i>Description:</i> The Product SIP Deep Archive class defines a Submission Information Package (SIP) for the NASA planetary science deep archive.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Product :: Product_SIP_Deep_Archive			
<i>No Attributes</i>			
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	has_identification_area	1..1	Identification_Area
	has_Information_Package_Component	1..1	Information_Package_Component_Deep_Archive
	product_data_object	1..1	SIP_Deep_Archive
	reference_list	0..1	Reference_List
<i>Referenced from:</i> None			

## Product\_SPICE\_Kernel

<b>Name: Product_SPICE_Kernel</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The Product SPICE Kernel class defines a SPICE kernel product.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Product :: Product_SPICE_Kernel			
<i>No Attributes</i>			
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	has_identification_area	1..1	Identification_Area
	context_area	1..1	Context_Area
	reference_list	0..1	Reference_List
	file_area	1..1	File_Area_SPICE_Kernel
<i>Referenced from:</i> None			

## Product\_Service

<b>Name: Product_Service</b>			<b>Version Id: 1.1.0.0</b>
<i>Description:</i> The Product Service class defines a product for registering services. Service descriptions from this product are used to register services as intrinsic registry objects.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Role:</i> concrete	<i>Status:</i> Active

<b>Name: Product_Service</b>			<b>Version Id: 1.1.0.0</b>
<i>Class Hierarchy:</i> Product :: Product_Service			
<i>No Attributes</i>			
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	has_identification_area	1..1	Identification_Area
	product_data_object	1..1	Service
	reference_list	0..1	Reference_List
	file_area	0..Unbounded	File_Area_Service_Description
<i>Referenced from:</i> None			

## Product\_Software

<b>Name: Product_Software</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> Product Software is a product consisting of a set of one or more software formats.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Product :: Product_Software			
<i>No Attributes</i>			
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	has_identification_area	1..1	Identification_Area
	reference_list	0..1	Reference_List
	product_description	1..1	Software
	software_format_set	0..Unbounded	Software_Binary, Software_Script, Software_Source
<i>Referenced from:</i> None			

## Product\_Subscription\_PDS3

<b>Name: Product_Subscription_PDS3</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The Product_Subscription_PDS3 class provides the list of subscriptions for a PDS3 subscriber.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Product :: Product_Subscription_PDS3			
<i>No Attributes</i>			
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	has_identification_area	1..1	Identification_Area
	reference_list	0..1	Reference_List
	subscriber	1..1	Subscriber_PDS3
<i>Referenced from:</i> None			

## Product\_Target\_PDS3

<b>Name: Product_Target_PDS3</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> A target product describes a target. This product captures a reduced set of the PDS3 catalog target information.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Product :: Product_Target_PDS3			
<i>No Attributes</i>			
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	has_identification_area	1..1	Identification_Area
	reference_list	0..1	Reference_List
	product_data_object	1..1	Target_PDS3
<i>Referenced from:</i> None			

## Product\_Thumbnail

<b>Name: Product_Thumbnail</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The Product Thumbnail class defines a product consisting of one encoded byte stream digital object.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Product :: Product_Thumbnail			
<i>No Attributes</i>			
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	has_identification_area	1..1	Identification_Area
	reference_list	0..1	Reference_List
	file_area	1..1	File_Area_Encoded_Image
<i>Referenced from:</i> None			

## Product\_Update

<b>Name: Product_Update</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The Product Update class defines a product consisting of update information and optional references to other products.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Product :: Product_Update			
<i>No Attributes</i>			
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	has_identification_area	1..1	Identification_Area
	product_data_object	1..1	Update
	reference_list	0..1	Reference_List
	file_area	0..1	File_Area_Update
<i>Referenced from:</i> None			

## Product\_Volume\_PDS3

<b>Name: Product_Volume_PDS3</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> A Product Volume PDS3 product captures the PDS3 volume information.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Product :: Product_Volume_PDS3			
<i>No Attributes</i>			
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	has_identification_area	1..1	Identification_Area
	reference_list	0..1	Reference_List
	product_data_object	1..1	Volume_PDS3
<i>Referenced from:</i> None			

## Product\_Volume\_Set\_PDS3

<b>Name: Product_Volume_Set_PDS3</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> A Product Volume Set PDS3 product captures the PDS3 volume set information.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Product :: Product_Volume_Set_PDS3			
<i>No Attributes</i>			
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	has_identification_area	1..1	Identification_Area
	reference_list	0..1	Reference_List
	product_data_object	1..1	Volume_Set_PDS3
<i>Referenced from:</i> None			

## Product\_XML\_Schema

<b>Name: Product_XML_Schema</b>			<b>Version Id: 1.2.0.0</b>
<i>Description:</i> The Product_XML_Schema describes a resource used for the PDS4 implementation into XML.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Product :: Product_XML_Schema			
<i>No Attributes</i>			
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	has_identification_area	1..1	Identification_Area
	context_area	0..1	Context_Area
	reference_list	0..1	Reference_List
	file_area	1..Unbounded	File_Area_XML_Schema
<i>Referenced from:</i> None			



## Product\_Zipped

<b>Name: Product_Zipped</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The Product_Zipped is a product with references to other products. The referenced products and all associated products and files are packaged into a single ZIP file.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Product :: Product_Zipped			
<i>No Attributes</i>			
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	has_identification_area	1..1	Identification_Area
	internal_reference	1..Unbounded	Internal_Reference
	has_zip	1..1	Zip
	file	1..1	File
<i>Referenced from:</i> None			

# Chapter 3. Support classes in the common (pds) namespace.

The classes in this section are used by the product classes.

## Agency

<b>Name: Agency</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The Agency class provides a description of an entity that provides regional or national level governance over nodes within the federated Planetary Data System.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Tagged_NonDigital_Object :: TNDO_Context :: Agency			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	name	1..1	European Space Agency, National Aeronautics and Space Administration
	description	1..1	None
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	data_object	1..1	Conceptual_Object
<i>Referenced from:</i> Product_Context			

## Aggregation\_Object

<b>Name: Aggregation_Object</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The Aggregation Object class defines a Conceptual Object that is used to aggregate other objects.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Data_Object :: Conceptual_Object :: Aggregation_Object			
<i>No Attributes</i>			
<i>No Associations</i>			
<i>Referenced from:</i> None			

## Alias

<b>Name: Alias</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The Alias class provides a single alternate name and identification for this product in this or some other archive or data system.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Product_Components :: Alias			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	alternate_id	0..1	None
	alternate_title	0..1	None

<b>Name: Alias</b>			<b>Version Id: 1.0.0.0</b>
	comment	0..1	None
<i>No Associations</i>			
<i>Referenced from: Alias_List</i>			

## Alias\_List

<b>Name: Alias_List</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The Alias_List class provides a list of paired alternate names and identifications for this product in this or some other archive or data system.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Product_Components :: Alias_List			
<i>No Attributes</i>			
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	alias	1..Unbounded	Alias
<i>Referenced from: Identification_Area</i>			

## Ancillary\_Object

<b>Name: Ancillary_Object</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The Ancillary Object defines a Supplemental Object that cannot reasonably be classified as any other Supplemental Object.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Data_Object :: Digital_Object :: Supplemental_Object :: Ancillary_Object			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	bit_string	1..1	None
<i>No Associations</i>			
<i>Referenced from: None</i>			

## Archival\_Information\_Package

<b>Name: Archival_Information_Package</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The Archival Information Package (AIP) class defines an Information Package consisting of the Content Information and the associated Preservation Description Information (PDI), which is preserved within an archive that conforms to the Open Archive Information System (OAIS) Reference Model.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Tagged_NonDigital_Object :: TNDO_Supplemental :: Information_Package :: Archival_Information_Package			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	description	1..1	None
<i>No Associations</i>			
<i>Referenced from: Product_AIP</i>			

## Archive\_Support\_Object

<b>Name: Archive_Support_Object</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The Archive Support defines a Supplemental Object that is used by the system for an archive function.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Data_Object :: Digital_Object :: Supplemental_Object :: Archive_Support_Object			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	bit_string	1..1	None
<i>No Associations</i>			
<i>Referenced from:</i> None			

## Array

<b>Name: Array</b>			<b>Version Id: 2.0.0.0</b>
<i>Description:</i> The Array class defines a homogeneous N-dimensional array of scalars. The Array class is the parent class for all n-dimensional arrays of scalars.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Tagged_Digital_Object :: Byte_Stream :: Array			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	name	0..1	None
	local_identifier	0..1	None
	offset	1..1	None
	axes	1..1	None
	axis_index_order	1..1	Last Index Fastest
	description	0..1	None
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	has_Element_Array	1..1	Element_Array
	has_Axis_Array	1..Unbounded	Axis_Array
	associated_Special_Constants	0..1	Special_Constants
	associated_Statistics	0..1	Object_Statistics
	data_object	1..1	Digital_Object
	local_internal_reference	0..Unbounded	Local_Internal_Reference
<i>Referenced from:</i> File_Area_Ancillary, File_Area_Browse, File_Area_Observational, File_Area_Observational_Supplemental			

## Array\_1D \*Deprecated\*

<b>Name: Array_1D *Deprecated*</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The Array 1D class is the parent class for all one dimensional array based classes.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Role:</i> concrete	<i>Status:</i> Deprecated

<b>Name: Array_1D *Deprecated*</b>			<b>Version Id: 1.0.0.0</b>
<i>Class Hierarchy:</i> Tagged_Digital_Object :: Byte_Stream :: Array :: Array_1D *Deprecated*			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	name	0..1	None
	local_identifier	0..1	None
	offset	1..1	None
	axes	1..1	1
	axis_index_order	1..1	Last Index Fastest
	description	0..1	None
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	has_Element_Array	1..1	Element_Array
	has_Axis_Array	1..1	Axis_Array
	associated_Special_Constants	0..1	Special_Constants
	associated_Statistics	0..1	Object_Statistics
	data_object	1..1	Digital_Object
	local_internal_reference	0..Unbounded	Local_Internal_Reference
<i>Referenced from:</i> File_Area_Browse, File_Area_Observational, File_Area_Observational_Supplemental			

## Array\_2D

<b>Name: Array_2D</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The Array 2D class is the parent class for all two dimensional array based classes.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Tagged_Digital_Object :: Byte_Stream :: Array :: Array_2D			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	name	0..1	None
	local_identifier	0..1	None
	offset	1..1	None
	axes	1..1	2
	axis_index_order	1..1	Last Index Fastest
	description	0..1	None
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	has_Element_Array	1..1	Element_Array
	has_Axis_Array	2..2	Axis_Array
	associated_Special_Constants	0..1	Special_Constants
	associated_Statistics	0..1	Object_Statistics
	data_object	1..1	Digital_Object
	local_internal_reference	0..Unbounded	Local_Internal_Reference

<b>Name: Array_2D</b>	<b>Version Id: 1.0.0.0</b>
<i>Referenced from:</i> File_Area_Ancillary, File_Area_Browse, File_Area_Observational, File_Area_Observational_Supplemental	

## Array\_2D\_Image

<b>Name: Array_2D_Image</b>		<b>Version Id: 1.1.0.0</b>	
<i>Description:</i> The Array 2D Image class is an extension of the Array 2D class and defines a two dimensional image.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Tagged_Digital_Object :: Byte_Stream :: Array :: Array_2D :: Array_2D_Image			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	name	0..1	None
	local_identifier	0..1	None
	offset	1..1	None
	axes	1..1	2
	axis_index_order	1..1	Last Index Fastest
	description	0..1	None
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	has_Element_Array	1..1	Element_Array
	has_Axis_Array	2..2	Axis_Array
	associated_Special_Constants	0..1	Special_Constants
	associated_Statistics	0..1	Object_Statistics
	data_object	1..1	Digital_Object
	local_internal_reference	0..Unbounded	Local_Internal_Reference
	has_Display_2d_Image	0..1	Display_2D_Image *Deprecated*
<i>Referenced from:</i> File_Area_Ancillary, File_Area_Browse, File_Area_Observational, File_Area_Observational_Supplemental			

## Array\_2D\_Map

<b>Name: Array_2D_Map</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The Array 2D Map class is an extension of the Array 2D class and defines a two dimensional map.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Tagged_Digital_Object :: Byte_Stream :: Array :: Array_2D :: Array_2D_Map			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	name	0..1	None
	local_identifier	0..1	None
	offset	1..1	None
	axes	1..1	2
	axis_index_order	1..1	Last Index Fastest

<b>Name: Array_2D_Map</b>			<b>Version Id: 1.0.0.0</b>
	description	0..1	None
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	has_Element_Array	1..1	Element_Array
	has_Axis_Array	2..2	Axis_Array
	associated_Special_Constants	0..1	Special_Constants
	associated_Statistics	0..1	Object_Statistics
	data_object	1..1	Digital_Object
	local_internal_reference	0..Unbounded	Local_Internal_Reference
	has_Display_2d_Image	0..1	Display_2D_Image *Deprecated*
<i>Referenced from:</i> File_Area_Ancillary, File_Area_Browse, File_Area_Observational, File_Area_Observational_Supplemental			

## Array\_2D\_Spectrum

<b>Name: Array_2D_Spectrum</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The Array 2D Spectrum class is an extension of the Array 2D class and defines a two dimensional spectrum.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Tagged_Digital_Object :: Byte_Stream :: Array :: Array_2D :: Array_2D_Spectrum			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	name	0..1	None
	local_identifier	0..1	None
	offset	1..1	None
	axes	1..1	2
	axis_index_order	1..1	Last Index Fastest
	description	0..1	None
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	has_Element_Array	1..1	Element_Array
	has_Axis_Array	2..2	Axis_Array
	associated_Special_Constants	0..1	Special_Constants
	associated_Statistics	0..1	Object_Statistics
	data_object	1..1	Digital_Object
	local_internal_reference	0..Unbounded	Local_Internal_Reference
	has_Display_2d_Image	0..1	Display_2D_Image *Deprecated*
<i>Referenced from:</i> File_Area_Ancillary, File_Area_Browse, File_Area_Observational, File_Area_Observational_Supplemental			

## Array\_3D

<b>Name: Array_3D</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The Array 3D class is the parent class for all three dimensional array based classes.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Tagged_Digital_Object :: Byte_Stream :: Array :: Array_3D			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	name	0..1	None
	local_identifier	0..1	None
	offset	1..1	None
	axes	1..1	3
	axis_index_order	1..1	Last Index Fastest
	description	0..1	None
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	has_Element_Array	1..1	Element_Array
	has_Axis_Array	3..3	Axis_Array
	associated_Special_Constants	0..1	Special_Constants
	associated_Statistics	0..1	Object_Statistics
	data_object	1..1	Digital_Object
	local_internal_reference	0..Unbounded	Local_Internal_Reference
<i>Referenced from:</i> File_Area_Ancillary, File_Area_Browse, File_Area_Observational, File_Area_Observational_Supplemental			

## Array\_3D\_Image

<b>Name: Array_3D_Image</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The Array 3D Image class is an extension of the Array 3D class and defines a three dimensional image.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Tagged_Digital_Object :: Byte_Stream :: Array :: Array_3D :: Array_3D_Image			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	name	0..1	None
	local_identifier	0..1	None
	offset	1..1	None
	axes	1..1	3
	axis_index_order	1..1	Last Index Fastest
	description	0..1	None
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	has_Element_Array	1..1	Element_Array
	has_Axis_Array	3..3	Axis_Array
	associated_Special_Constants	0..1	Special_Constants



<b>Name: Array_3D_Image</b>			<b>Version Id: 1.0.0.0</b>
	associated_Statistics	0..1	Object_Statistics
	data_object	1..1	Digital_Object
	local_internal_reference	0..Unbounded	Local_Internal_Reference
<i>Referenced from:</i> File_Area_Ancillary, File_Area_Browse, File_Area_Observational, File_Area_Observational_Supplemental			

## Array\_3D\_Movie

<b>Name: Array_3D_Movie</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The Array 3D Movie class is an extension of the Array 3D class and defines a movie as a set of two dimensional images in a time series.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Tagged_Digital_Object :: Byte_Stream :: Array :: Array_3D :: Array_3D_Movie			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	name	0..1	None
	local_identifier	0..1	None
	offset	1..1	None
	axes	1..1	3
	axis_index_order	1..1	Last Index Fastest
	description	0..1	None
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	has_Element_Array	1..1	Element_Array
	has_Axis_Array	3..3	Axis_Array
	associated_Special_Constants	0..1	Special_Constants
	associated_Statistics	0..1	Object_Statistics
	data_object	1..1	Digital_Object
	local_internal_reference	0..Unbounded	Local_Internal_Reference
<i>Referenced from:</i> File_Area_Ancillary, File_Area_Browse, File_Area_Observational, File_Area_Observational_Supplemental			

## Array\_3D\_Spectrum

<b>Name: Array_3D_Spectrum</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The Array 3D Spectrum class is an extension of the Array 3D class and defines a three dimensional spectrum.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Tagged_Digital_Object :: Byte_Stream :: Array :: Array_3D :: Array_3D_Spectrum			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	name	0..1	None
	local_identifier	0..1	None

<b>Name: Array_3D_Spectrum</b>			<b>Version Id: 1.0.0.0</b>
	offset	1..1	None
	axes	1..1	3
	axis_index_order	1..1	Last Index Fastest
	description	0..1	None
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	has_Element_Array	1..1	Element_Array
	has_Axis_Array	3..3	Axis_Array
	associated_Special_Constants	0..1	Special_Constants
	associated_Statistics	0..1	Object_Statistics
	data_object	1..1	Digital_Object
	local_internal_reference	0..Unbounded	Local_Internal_Reference
<i>Referenced from:</i> File_Area_Ancillary, File_Area_Browse, File_Area_Observational, File_Area_Observational_Supplemental			

## Axis\_Array

<b>Name: Axis_Array</b>			<b>Version Id: 1.3.0.0</b>
<i>Description:</i> The Axis Array class is used as a component of the array class and defines an axis of the array.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Tagged_Digital_Child :: Axis_Array			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	axis_name	1..1	None
	local_identifier	0..1	None
	elements	1..1	None
	unit *Deprecated*	0..1	None
	sequence_number	1..1	None
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	has_Band_Bin_Set	0..1	Band_Bin_Set *Deprecated*
<i>Referenced from:</i> Array, Array_1D *Deprecated*, Array_2D, Array_2D_Image, Array_2D_Map, Array_2D_Spectrum, Array_3D, Array_3D_Image, Array_3D_Movie, Array_3D_Spectrum			

## Band\_Bin \*Deprecated\*

<b>Name: Band_Bin *Deprecated*</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The Band_Bin class specifies the characteristics of an individual spectral band in a spectral cube.			
<i>Namespace Id:</i> pds	<i>Steward:</i> img	<i>Role:</i> concrete	<i>Status:</i> Deprecated
<i>Class Hierarchy:</i> Tagged_NonDigital_Object :: TNDO_Supplemental :: Band_Bin *Deprecated*			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	band_number	1..1	None

Support classes in the  
common (pds) namespace.

<b>Name: Band_Bin *Deprecated*</b>			<b>Version Id: 1.0.0.0</b>
	band_width	1..1	None
	center_wavelength	1..1	None
	detector_number	0..1	None
	filter_number	0..1	None
	grating_position	0..1	None
	original_band	0..1	None
	standard_deviation	0..1	None
	scaling_factor	0..1	None
	value_offset	0..1	None
<i>No Associations</i>			
<i>Referenced from: Band_Bin_Set *Deprecated*</i>			

## Band\_Bin\_Set \*Deprecated\*

<b>Name: Band_Bin_Set *Deprecated*</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The Band_Bin_Set class contains the spectral characteristics for all the spectral bands in a cube.			
<i>Namespace Id:</i> pds	<i>Steward:</i> img	<i>Role:</i> concrete	<i>Status:</i> Deprecated
<i>Class Hierarchy:</i> Tagged_NonDigital_Object :: TNDO_Supplemental :: Band_Bin_Set *Deprecated*			
<i>No Attributes</i>			
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	has_band_bin	1..Unbounded	Band_Bin *Deprecated*
<i>Referenced from: Axis_Array</i>			

## Bundle

<b>Name: Bundle</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The Bundle class describes a collection of collections.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Tagged_NonDigital_Object :: TNDO_Supplemental :: Bundle			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	bundle_type	1..1	Archive, Supplemental
	description	0..1	None
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	data_object	1..1	Conceptual_Object
<i>Referenced from: Product_Bundle</i>			

## Bundle\_Member\_Entry

<b>Name: Bundle_Member_Entry</b>			<b>Version Id: 1.1.0.0</b>
<i>Description:</i> The Bundle Member Entry class provides a member reference to a collection.			

Support classes in the  
common (pds) namespace.

<b>Name: Bundle_Member_Entry</b>			<b>Version Id: 1.1.0.0</b>
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Product_Components :: Bundle_Member_Entry			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	lid_reference	0..1	None
	lidvid_reference	0..1	None
	member_status	1..1	Primary, Secondary
	reference_type	1..1	bundle_has_browse_collection, bundle_has_calibration_collection, bundle_has_context_collection, bundle_has_data_collection, bundle_has_document_collection, bundle_has_geometry_collection, bundle_has_member_collection, bundle_has_schema_collection, bundle_has_spice_kernel_collection
<i>No Associations</i>			
<i>Referenced from:</i> Product_Bundle			

## Byte\_Stream

<b>Name: Byte_Stream</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The Byte Stream class defines a stream of bytes.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Role:</i> abstract	<i>Status:</i> Active
<i>Class Hierarchy:</i> Tagged_Digital_Object :: Byte_Stream			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	name	0..1	None
	local_identifier	0..1	None
<i>No Associations</i>			
<i>Referenced from:</i> None			

## Checksum\_Manifest

<b>Name: Checksum_Manifest</b>			<b>Version Id: 1.1.0.0</b>
<i>Description:</i> The Checksum_Manifest class defines a two column table for file references and checksums.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Tagged_Digital_Object :: Byte_Stream :: Parsable_Byte_Stream :: Checksum_Manifest			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	name	0..1	None
	local_identifier	0..1	None

Support classes in the  
common (pds) namespace.

<b>Name: Checksum_Manifest</b>			<b>Version Id: 1.1.0.0</b>
	offset	1..1	None
	object_length	0..1	None
	parsing_standard_id	1..1	MD5Deep 4.n
	description	0..1	None
	record_delimiter	1..1	Carriage-Return Line-Feed, carriage-return line-feed
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	data_object	1..1	Digital_Object
<i>Referenced from:</i> File_Area_Ancillary, File_Area_Checksum_Manifest			

## Citation\_Information

<b>Name: Citation_Information</b>			<b>Version Id: 1.2.0.0</b>
<i>Description:</i> The Citation_Information class provides specific fields often used in citing the product in journal articles, abstract services, and other reference contexts.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Product_Components :: Citation_Information			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	author_list	0..1	None
	editor_list	0..1	None
	publication_year	1..1	None
	keyword	0..Unbounded	None
	description	1..1	None
<i>No Associations</i>			
<i>Referenced from:</i> Identification_Area			

## Collection

<b>Name: Collection</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The Collection class provides a description of a set of products.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Tagged_NonDigital_Object :: TNDO_Supplemental :: Collection			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	collection_type	1..1	Browse, Calibration, Context, Data, Document, Geometry, Miscellaneous, SPICE Kernel, XML Schema
	description	0..1	None
<i>No Associations</i>			
<i>Referenced from:</i> Product_Collection			

## Conceptual\_Context\_Object

<b>Name: Conceptual_Context_Object</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The Conceptual Context Object class defines a Conceptual Object that is used to provide contextual information for an Observational Object.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Data_Object :: Conceptual_Object :: Conceptual_Context_Object			
<i>No Attributes</i>			
<i>No Associations</i>			
<i>Referenced from:</i> None			

## Conceptual\_Object

<b>Name: Conceptual_Object</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The Conceptual Object class defines a non-tangible object that is also not a digital object.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Data_Object :: Conceptual_Object			
<i>No Attributes</i>			
<i>No Associations</i>			
<i>Referenced from:</i> Agency, Bundle, DD_Attribute, DD_Attribute_Full, DD_Class, DD_Class_Full, Data_Set_PDS3, Field_Statistics, Geometry *Deprecated*, Ingest_LDD, Investigation, Mission_PDS3, Node, Object_Statistics, Observing_System, Other, Quaternion, Resource, Service, Update, Vector, Volume_PDS3, Volume_Set_PDS3			

## Context\_Area

<b>Name: Context_Area</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The Context Area provides context information for a product.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Product_Components :: Context_Area			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	comment	0..1	None
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	has_time_coordinates	0..1	Time_Coordinates
	has_primary_result_description	0..1	Primary_Result_Summary
	has_investigation_area	0..Unbounded	Investigation_Area
	has_observing_system	0..Unbounded	Observing_System
	has_target_identification	0..Unbounded	Target_Identification
	has_mission_area	0..1	Mission_Area
	has_discipline_area	0..1	Discipline_Area
<i>Referenced from:</i> Product_Ancillary, Product_Bundle, Product_Collection, Product_Document, Product_Native, Product_SPICE_Kernel, Product_XML_Schema			

## DD\_Association

<b>Name: DD_Association</b>			<b>Version Id: 1.2.0.0</b>
<i>Description:</i> The DD_Association class defines the association between two classes or a class and an attribute in a data dictionary.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Tagged_NonDigital_Child :: DD_Association			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	local_identifier	1..Unbounded	None
	reference_type	1..1	attribute_of, component_of, extension_of, parent_of, restriction_of, subclass_of
	minimum_occurrences	1..1	None
	maximum_occurrences	1..1	None
	constant_value	0..1	None
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	dd_attribute_reference	0..1	DD_Attribute_Reference
	dd_class_reference	0..1	DD_Class_Reference
<i>Referenced from:</i> DD_Class, DD_Class_Full			

## DD\_Association\_External \*Deprecated\*

<b>Name: DD_Association_External *Deprecated*</b>			<b>Version Id: 1.1.0.0</b>
<i>Description:</i> The DD_Association_External class defines the association between classes and attributes within the local data dictionary and those external to the local data dictionary.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Role:</i> concrete	<i>Status:</i> Deprecated
<i>Class Hierarchy:</i> Tagged_NonDigital_Child :: DD_Association_External *Deprecated*			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	name	1..1	None
	namespace_id	1..1	None
	reference_type	1..1	attribute_of, component_of, extension_of, parent_of, restriction_of, subclass_of
	minimum_occurrences	1..1	None
	maximum_occurrences	1..1	None
<i>No Associations</i>			
<i>Referenced from:</i> DD_Class			

## DD\_Attribute

<b>Name: DD_Attribute</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The DD_Attribute class defines an attribute for a data dictionary.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Tagged_NonDigital_Object :: TNDO_Supplemental :: DD_Attribute			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	name	1..1	None
	version_id	1..1	None
	local_identifier	1..1	None
	nillable_flag	1..1	None
	submitter_name	1..1	None
	definition	1..1	None
	comment	0..1	None
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	internal_reference	0..Unbounded	Internal_Reference
	data_object	1..1	Conceptual_Object
	terminological_entry	0..Unbounded	Terminological_Entry
	value_domain_entry	1..1	DD_Value_Domain
<i>Referenced from:</i> Ingest_LDD			

## DD\_Attribute\_Full

<b>Name: DD_Attribute_Full</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The DD_Attribute_Full class provides a more complete definition of an attribute in the data dictionary.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Tagged_NonDigital_Object :: TNDO_Supplemental :: DD_Attribute_Full			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	name	1..1	None
	version_id	1..1	None
	class_name	1..1	None
	local_identifier	1..1	None
	steward_id	1..1	atm, geo, img, naif, ops, pds, ppi, rings, rs, sbn
	type	1..1	PDS3, PDS4
	namespace_id	1..1	None
	nillable_flag	1..1	None
	submitter_name	1..1	None
	definition	1..1	None
	comment	0..1	None
	registered_by	1..1	None



<b>Name: DD_Attribute_Full</b>			<b>Version Id: 1.0.0.0</b>
	registration_authority_id	1..1	0001_NASA_PDS_1
	attribute_concept	1..1	Address, Angle, Attribute, Bit, Checksum, Collection, Constant, Cosine, Count, DOI, Delimiter, Description, Deviation, Direction, Distance, Duration, Factor, Flag, Format, Group, Home, ID, Latitude, Length, List, Location, Logical, Longitude, Mask, Maximum, Mean, Median, Minimum, Name, Note, Number, Offset, Order, Parallel, Password, Path, Pattern, Pixel, Quaternion, Radius, Ratio, Reference, Resolution, Role, Rotation, Scale, Sequence, Set, Size, Status, Summary, Syntax, Temperature, Text, Title, Type, Unit, Unknown, Value, Vector
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	data_object	1..1	Conceptual_Object
	terminological_entry	1..Unbounded	Terminological_Entry
	value_domain_entry	0..1	DD_Value_Domain_Full
<i>Referenced from:</i> Product_Attribute_Definition			

## DD\_Attribute\_Reference

<b>Name: DD_Attribute_Reference</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The DD Attribute Reference class provides a reference to an attribute using a namespace identifier and the attribute name.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Tagged_NonDigital_Child :: DD_Attribute_Reference			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	namespace_id	1..1	None
	name	1..1	None
<i>No Associations</i>			
<i>Referenced from:</i> DD_Association, DD_Rule			

## DD\_Class

<b>Name: DD_Class</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The DD_Class class defines a class for a data dictionary.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Tagged_NonDigital_Object :: TNDO_Supplemental :: DD_Class			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	name	1..1	None
	version_id	1..1	None
	local_identifier	1..1	None
	submitter_name	1..1	None
	definition	1..1	None
	abstract_flag	0..1	None
	element_flag	0..1	None
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	internal_reference	0..Unbounded	Internal_Reference
	data_object	1..1	Conceptual_Object
	dd_association	1..Unbounded	DD_Association, DD_Association_External *Deprecated*
	terminological_entry	0..Unbounded	Terminological_Entry
<i>Referenced from:</i> Ingest_LDD			

## DD\_Class\_Full

<b>Name: DD_Class_Full</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The DD_Class_Full class provides a more complete definition of a class for a data dictionary.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Tagged_NonDigital_Object :: TNDO_Supplemental :: DD_Class_Full			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	name	1..1	None
	version_id	1..1	None
	local_identifier	1..1	None
	steward_id	1..1	atm, geo, img, naif, ops, pds, ppi, rings, rs, sbn
	type	1..1	PDS3, PDS4
	namespace_id	1..1	None
	submitter_name	1..1	None
	definition	1..1	None
	comment	0..1	None
	registered_by	1..1	None

Support classes in the  
common (pds) namespace.

<b>Name: DD_Class_Full</b>			<b>Version Id: 1.0.0.0</b>
	registration_authority_id	1..1	None
	abstract_flag	0..1	None
	element_flag	0..1	None
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	data_object	1..1	Conceptual_Object
	dd_association	0..Unbounded	DD_Association
	terminological_entry	0..Unbounded	Terminological_Entry
<i>Referenced from:</i> Product_Class_Definition			

## DD\_Class\_Reference

<b>Name: DD_Class_Reference</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The DD Class Reference class provides a reference to a class using a namespace identifier and the class name.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Tagged_NonDigital_Child :: DD_Class_Reference			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	namespace_id	1..1	None
	name	1..1	None
<i>No Associations</i>			
<i>Referenced from:</i> DD_Association, DD_Rule			

## DD\_Permissible\_Value

<b>Name: DD_Permissible_Value</b>			<b>Version Id: 1.1.0.0</b>
<i>Description:</i> The DD_Permissible_Value class lists permissible values and their meanings.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Tagged_NonDigital_Child :: DD_Permissible_Value			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	value	1..1	None
	value_meaning	1..1	None
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	terminological_entry	0..Unbounded	Terminological_Entry
<i>Referenced from:</i> DD_Value_Domain			

## DD\_Permissible\_Value\_Full

<b>Name: DD_Permissible_Value_Full</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The DD_Permissible_Value_Full class lists permissible values, their meanings, and the dates when active.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Tagged_NonDigital_Child :: DD_Permissible_Value_Full			

Support classes in the  
common (pds) namespace.

<b>Name: DD_Permissible_Value_Full</b>			<b>Version Id: 1.0.0.0</b>
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	value	1..1	None
	value_meaning	0..1	None
	value_begin_date	1..1	None
	value_end_date	1..1	None
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	terminological_entry	0..Unbounded	Terminological_Entry
<i>Referenced from:</i> DD_Value_Domain_Full			

## DD\_Rule

<b>Name: DD_Rule</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The DD_Rule class defines a Schematron rule for a data dictionary.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Tagged_NonDigital_Object :: TNDO_Supplemental :: DD_Rule			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	local_identifier	1..1	None
	rule_context	1..1	None
	rule_assign	0..Unbounded	None
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	dd_attribute_reference	0..1	DD_Attribute_Reference
	dd_class_reference	0..1	DD_Class_Reference
	rule_statement	1..Unbounded	DD_Rule_Statement
<i>Referenced from:</i> Ingest_LDD			

## DD\_Rule\_Statement

<b>Name: DD_Rule_Statement</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The DD_Rule_Statement class defines a Schematron rule statement.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Tagged_NonDigital_Object :: TNDO_Supplemental :: DD_Rule_Statement			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	rule_type	1..1	Assert, Assert Every, Assert If, Report
	rule_test	1..1	None
	rule_message	1..1	None
	rule_description	0..1	None
	rule_value	0..Unbounded	None
<i>No Associations</i>			
<i>Referenced from:</i> DD_Rule			

## DD\_Value\_Domain

<b>Name: DD_Value_Domain</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The DD_Value_Domain class defines an attribute's permissible values and their constraints.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Tagged_NonDigital_Child :: DD_Value_Domain			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	enumeration_flag	1..1	None
	value_data_type	1..1	ASCII_AnyURI, ASCII_Boolean, ASCII_DOI, ASCII_Date_DOY, ASCII_Date_Time_DOY, ASCII_Date_Time_DOY_UTC, ASCII_Date_Time_YMD, ASCII_Date_Time_YMD_UTC, ASCII_Date_YMD, ASCII_Directory_Path_Name, ASCII_File_Name, ASCII_File_Specification_Name, ASCII_Integer, ASCII_LID, ASCII_LIDVID, ASCII_LIDVID_LID, ASCII_MD5_Checksum, ASCII_NonNegative_Integer, ASCII_Numeric_Base16, ASCII_Numeric_Base2, ASCII_Numeric_Base8, ASCII_Real, ASCII_Short_String_Collapsed, ASCII_Short_String_Preserved, ASCII_Text_Collapsed, ASCII_Text_Preserved, ASCII_Time, ASCII_VID, UTF8_Short_String_Collapsed, UTF8_Short_String_Preserved, UTF8_Text_Preserved, Vector_Cartesian_3, Vector_Cartesian_3_Acceleration, Vector_Cartesian_3_Pointing, Vector_Cartesian_3_Position, Vector_Cartesian_3_Velocity

<b>Name: DD_Value_Domain</b>			<b>Version Id: 1.0.0.0</b>
	formation_rule	0..1	None
	minimum_characters	0..1	None
	maximum_characters	0..1	None
	minimum_value	0..1	None
	maximum_value	0..1	None
	pattern	0..1	None
	unit_of_measure_type	0..1	Units_of_Acceleration, Units_of_Amount_Of_Substance, Units_of_Angle, Units_of_Angular_Velocity, Units_of_Area, Units_of_Current, Units_of_Frame_Rate, Units_of_Frequency, Units_of_Length, Units_of_Map_Scale, Units_of_Mass, Units_of_Misc, Units_of_None, Units_of_Optical_Path_Length, Units_of_Pressure, Units_of_Radiance, Units_of_Rates, Units_of_Solid_Angle, Units_of_Spectral_Irradiance, Units_of_Spectral_Radiance, Units_of_Storage, Units_of_Temperature, Units_of_Time, Units_of_Velocity, Units_of_Voltage, Units_of_Volume, Units_of_Wavenumber
	specified_unit_id	0..1	None
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	permissible_value	0..Unbounded	DD_Permissible_Value
<i>Referenced from: DD_Attribute</i>			

## DD\_Value\_Domain\_Full

<b>Name: DD_Value_Domain_Full</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The DD_Value_Domain_Full class provides a more complete definition of a attribute's value domain.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Tagged_NonDigital_Child :: DD_Value_Domain_Full			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	enumeration_flag	1..1	None

Support classes in the  
common (pds) namespace.

<b>Name: DD_Value_Domain_Full</b>			<b>Version Id: 1.0.0.0</b>
	value_data_type	1..1	ASCII_AnyURI, ASCII_Boolean, ASCII_DOI, ASCII_Date_DOY, ASCII_Date_Time_DOY, ASCII_Date_Time_DOY_UTC, ASCII_Date_Time_YMD, ASCII_Date_Time_YMD_UTC, ASCII_Date_YMD, ASCII_Directory_Path_Name, ASCII_File_Name, ASCII_File_Specification_Name, ASCII_Integer, ASCII_LID, ASCII_LIDVID, ASCII_LIDVID_LID, ASCII_MD5_Checksum, ASCII_NonNegative_Integer, ASCII_Numeric_Base16, ASCII_Numeric_Base2, ASCII_Numeric_Base8, ASCII_Real, ASCII_Short_String_Collapsed, ASCII_Short_String_Preserved, ASCII_Text_Collapsed, ASCII_Text_Preserved, ASCII_Time, ASCII_VID, UTF8_Short_String_Collapsed, UTF8_Short_String_Preserved, UTF8_Text_Preserved
	formation_rule	0..1	None
	minimum_characters	0..1	None
	maximum_characters	0..1	None
	minimum_value	0..1	None
	maximum_value	0..1	None
	pattern	0..1	None
	unit_of_measure_type	0..1	Units_of_Amount_Of_Substance, Units_of_Angle, Units_of_Angular_Velocity, Units_of_Area, Units_of_Current, Units_of_Frame_Rate, Units_of_Frequency, Units_of_Length, Units_of_

<b>Name: DD_Value_Domain_Full</b>			<b>Version Id: 1.0.0.0</b>
			Map_Scale, Units_of_Mass, Units_of_Misc, Units_of_None, Units_of_Optical_Path_Length, Units_of_Pressure, Units_of_Radiance, Units_of_Rates, Units_of_Solid_Angle, Units_of_Spectral_Irradiance, Units_of_Spectral_Radiance, Units_of_Storage, Units_of_Temperature, Units_of_Time, Units_of_Velocity, Units_of_Voltage, Units_of_Volume, Units_of_Wavenumber
	conceptual_domain	1..1	Boolean, Integer, Name, Numeric, Real, Short_String, Text, Time, Type, Unknown
	specified_unit_id	0..1	None
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	permissible_value	0..Unbounded	DD_Permissible_Value_Full
<i>Referenced from:</i> DD_Attribute_Full			

## DIP\_Deep\_Archive

<b>Name: DIP_Deep_Archive</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The Dissemination Information Package Deep Archive class is an Information Package derived from one or more AIPs and is received by the National Space Science Data Center (NSSDC).			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Tagged_NonDigital_Object :: TNDO_Supplemental :: Information_Package :: DIP_Deep_Archive			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	description	1..1	None
<i>No Associations</i>			
<i>Referenced from:</i> Product_DIP_Deep_Archive			

## Data\_Object

<b>Name: Data_Object</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The Data Object class defines a thing about which almost nothing is known.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Role:</i> abstract	<i>Status:</i> Active
<i>Class Hierarchy:</i> Data_Object			



<b>Name: Data_Object</b>		<b>Version Id: 1.0.0.0</b>	
No Attributes			
No Associations			
Referenced from: None			

## Digital\_Object

<b>Name: Digital_Object</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The Digital Object class defines a sequence of digital bits.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Data_Object :: Digital_Object			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	bit_string	1..1	None
No Associations			
<i>Referenced from:</i> Array, Array_1D *Deprecated*, Array_2D, Array_2D_Image, Array_2D_Map, Array_2D_Spectrum, Array_3D, Array_3D_Image, Array_3D_Movie, Array_3D_Spectrum, Checksum_Manifest, Document, Document_File, Encoded_Binary, Encoded_Byte_Stream, Encoded_Header, Encoded_Image, Encoded_Native, File, Header, Inventory, Manifest_SIP_Deep_Archive, Parsable_Byte_Stream, SPICE_Kernel, Service_Description, Software, Software_Binary, Software_Script, Software_Source, Stream_Text, Table_Base, Table_Binary, Table_Character, Table_Delimited, Transfer_Manifest, XML_Schema			

## Discipline\_Area

<b>Name: Discipline_Area</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The Discipline area allows the insertion of discipline specific metadata.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Product_Components :: Discipline_Area			
No Attributes			
No Associations			
<i>Referenced from:</i> Context_Area, Observation_Area, Product_Context			

## Discipline\_Facets

<b>Name: Discipline_Facets</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The Discipline_Facets class contains the discipline-related search facets. It is required and may not be repeated. Note that Science_Facets was modeled with Discipline_Facets as a component and Discipline_Facets was modeled with Group_Facet1 and Group_Facet2 as components. This dependency hierarchy was flattened and only Science_Facets exists in the schema.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Product_Components :: Discipline_Facets			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	discipline_name	1..1	Atmospheres, Fields, Flux Measurements, Imaging, Particles, Ring-Moon Systems,

Support classes in the  
common (pds) namespace.

<b>Name: Discipline_Facets</b>			<b>Version Id: 1.0.0.0</b>
			Small Bodies, Spectroscopy
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	has_Group_Facet1	0..Unbounded	Group_Facet1
	has_Group_Facet2	0..Unbounded	Group_Facet2
<i>Referenced from:</i> Science_Facets			

## Display\_2D\_Image \*Deprecated\*

<b>Name: Display_2D_Image *Deprecated*</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The Display_2D_Image class provides attributes to enable the display of a 2 dimensional image.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Role:</i> concrete	<i>Status:</i> Deprecated
<i>Class Hierarchy:</i> Tagged_NonDigital_Object :: TNDO_Supplemental :: Display_2D_Image *Deprecated*			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	line_display_direction	1..1	Down, Up
	sample_display_direction	1..1	Right
<i>No Associations</i>			
<i>Referenced from:</i> Array_2D_Image, Array_2D_Map, Array_2D_Spectrum			

## Dissemination\_Information\_Package

<b>Name: Dissemination_Information_Package</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The Dissemination Information Package (DIP) class defines an Information Package, derived from one or more AIPs, that is received by a consumer.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Tagged_NonDigital_Object :: TNDO_Supplemental :: Information_Package :: Dissemination_Information_Package			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	description	1..1	None
<i>No Associations</i>			
<i>Referenced from:</i> Product_DIP			

## Document

<b>Name: Document</b>			<b>Version Id: 2.0.0.0</b>
<i>Description:</i> The Document class describes a document.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Tagged_NonDigital_Object :: TNDO_Supplemental :: Document			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	revision_id	0..1	None
	document_name	0..1	None

Support classes in the  
common (pds) namespace.

<b>Name: Document</b>			<b>Version Id: 2.0.0.0</b>
	doi	0..1	None
	author_list	0..1	None
	editor_list	0..1	None
	acknowledgement_text	0..1	None
	copyright	0..1	None
	publication_date	1..1	None
	document_editions	0..1	None
	description	0..1	None
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	has_document_edition	1..Unbounded	Document_Edition
	data_object	1..1	Digital_Object
<i>Referenced from:</i> Product_Document			

## Document\_Edition

<b>Name: Document_Edition</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> A Document Edition is one complete version of the document in a set of files that is distinguished by language, a unique assemblage of file formats, or some other criteria.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Tagged_NonDigital_Child :: Document_Edition			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	edition_name	1..1	None
	starting_point_identifier	0..1	None
	language	1..1	None
	files	1..1	None
	description	0..1	None
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	has_document_file	1..Unbounded	Document_File
<i>Referenced from:</i> Document			

## Document\_File

<b>Name: Document_File</b>			<b>Version Id: 1.4.0.0</b>
<i>Description:</i> The Document File class describes a file which is a part of a document.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Tagged_Digital_Object :: File :: Document_File			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	file_name	1..1	None
	local_identifier	0..1	None
	creation_date_time	0..1	None
	file_size	0..1	None

<b>Name: Document_File</b>			<b>Version Id: 1.4.0.0</b>
	records	0..1	None
	md5_checksum	0..1	None
	comment	0..1	None
	directory_path_name	0..1	None
	document_standard_id	1..1	7-Bit ASCII Text, Encapsulated Postscript, GIF, HTML, HTML 2.0, HTML 3.2, HTML 4.0, HTML 4.01, JPEG, LaTeX, Microsoft Excel, Microsoft Word, PDF, PDF/A, PNG, Postscript, Rich Text, TIFF, UTF-8 Text
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	data_object	1..1	Digital_Object
<i>Referenced from:</i> Document_Edition			

## Document\_Object

<b>Name: Document_Object</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The Document Object defines a Supplemental Object that provides readable evidence for humans.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Data_Object :: Digital_Object :: Supplemental_Object :: Document_Object			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	bit_string	1..1	None
<i>No Associations</i>			
<i>Referenced from:</i> None			

## Element\_Array

<b>Name: Element_Array</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The Element Array class is used as a component of the array class and defines an element of the array.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Tagged_Digital_Child :: Element_Array			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	data_type	1..1	ComplexLSB16, ComplexLSB8, ComplexMSB16, ComplexMSB8, IEEE754LSBDouble, IEEE754LSBSingle, IEEE754MSBDouble, IEEE754MSBSingle,

<b>Name: Element_Array</b>			<b>Version Id: 1.0.0.0</b>
			SignedBitString, SignedByte, SignedLSB2, SignedLSB4, SignedLSB8, SignedMSB2, SignedMSB4, SignedMSB8, UnsignedBitString, UnsignedByte, UnsignedLSB2, UnsignedLSB4, UnsignedLSB8, UnsignedMSB2, UnsignedMSB4, UnsignedMSB8
	unit	0..1	None
	scaling_factor	0..1	None
	value_offset	0..1	None
<i>No Associations</i>			
<i>Referenced from:</i> Array, Array_1D *Deprecated*, Array_2D, Array_2D_Image, Array_2D_Map, Array_2D_Spectrum, Array_3D, Array_3D_Image, Array_3D_Movie, Array_3D_Spectrum			

## Encoded\_Binary

<b>Name: Encoded_Binary</b>			<b>Version Id: 1.1.0.0</b>
<i>Description:</i> The Encoded Binary class describes a binary encoded byte stream. This class is used to describe files in the repository that are being registered using Product_File_Repository.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Tagged_Digital_Object :: Byte_Stream :: Encoded_Byte_Stream :: Encoded_Binary			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	name	0..1	None
	local_identifier	0..1	None
	offset	1..1	None
	object_length	0..1	None
	encoding_standard_id	1..1	CCSDS Space Communications Protocols
	description	0..1	None
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	data_object	1..1	Digital_Object
<i>Referenced from:</i> File_Area_Binary, File_Area_Observational_Supplemental			

## Encoded\_Byte\_Stream

<b>Name: Encoded_Byte_Stream</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The Encoded Byte Stream class defines byte streams that must be decoded by software before use. These byte streams must only use standard encodings. The Encoded Byte Stream class is the parent class for all encoded byte streams.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Tagged_Digital_Object :: Byte_Stream :: Encoded_Byte_Stream			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	name	0..1	None
	local_identifier	0..1	None
	offset	1..1	None
	object_length	0..1	None
	encoding_standard_id	1..1	None
	description	0..1	None
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	data_object	1..1	Digital_Object
<i>Referenced from:</i> File_Area_Observational_Supplemental			

## Encoded\_Header

<b>Name: Encoded_Header</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The Encoded Header class describes a header that has been encoded using an encoding scheme that is compliant to an external standard.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Tagged_Digital_Object :: Byte_Stream :: Encoded_Byte_Stream :: Encoded_Header			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	name	0..1	None
	local_identifier	0..1	None
	offset	1..1	None
	object_length	0..1	None
	encoding_standard_id	1..1	TIFF
	description	0..1	None
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	data_object	1..1	Digital_Object
<i>Referenced from:</i> File_Area_Ancillary, File_Area_Browse, File_Area_Observational, File_Area_Observational_Supplemental			

## Encoded\_Image

<b>Name: Encoded_Image</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The Encoded Image class is used for ancillary images in standard formats, such as JPEG.			

Support classes in the  
common (pds) namespace.

<b>Name: Encoded_Image</b>			<b>Version Id: 1.0.0.0</b>
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Tagged_Digital_Object :: Byte_Stream :: Encoded_Byte_Stream :: Encoded_Image			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	name	0..1	None
	local_identifier	0..1	None
	offset	1..1	None
	object_length	0..1	None
	encoding_standard_id	1..1	GIF, J2C, JPEG, PDF, PDF/A, PNG, TIFF
	description	0..1	None
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	data_object	1..1	Digital_Object
<i>Referenced from:</i> File_Area_Ancillary, File_Area_Browse, File_Area_Encoded_Image, File_Area_Observational_Supplemental			

## Encoded\_Native

<b>Name: Encoded_Native</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The Encoded Native class describes a binary encoded byte stream. This class is used to describe data objects for Product_Native.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Tagged_Digital_Object :: Byte_Stream :: Encoded_Byte_Stream :: Encoded_Native			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	name	0..1	None
	local_identifier	0..1	None
	offset	1..1	None
	object_length	0..1	None
	encoding_standard_id	1..1	SEED 2.4
	description	0..1	None
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	data_object	1..1	Digital_Object
<i>Referenced from:</i> File_Area_Native			

## External\_Reference

<b>Name: External_Reference</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The External_Reference class is used to reference a source outside the PDS registry system.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Product_Components :: External_Reference			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>

Support classes in the  
common (pds) namespace.

<b>Name: External_Reference</b>			<b>Version Id: 1.0.0.0</b>
	doi	0..1	None
	reference_text	1..1	None
	description	0..1	None
<i>No Associations</i>			
<i>Referenced from:</i> Observing_System_Component, Reference_List			

## External\_Reference\_Extended

<b>Name: External_Reference_Extended</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The External_Reference_Extended class is used to reference a source outside the PDS registry system. This extension is used in the local data dictionary.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Product_Components :: External_Reference :: External_Reference_Extended			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	doi	0..1	None
	reference_text	1..1	None
	description	0..1	None
	name	0..1	None
	url	0..1	None
<i>No Associations</i>			
<i>Referenced from:</i> Terminological_Entry			

## Facility

<b>Name: Facility</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The Facility class provides a name and address for a terrestrial observatory or laboratory.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Tagged_NonDigital_Object :: TNDO_Context :: Facility			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	name	0..1	None
	type	0..1	Laboratory, Observatory
	address	0..1	None
	country	0..1	None
	description	0..1	None
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	data_object	1..1	Physical_Object
<i>Referenced from:</i> Product_Context			



## Field

<b>Name: Field</b>			<b>Version Id: 1.1.0.0</b>
<i>Description:</i> The Field class defines a field of a record and is the parent class of all specific field classes.The Field class defines a field of a record or a field of a group and is the parent class of all specific field classes.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Role:</i> abstract	<i>Status:</i> Active
<i>Class Hierarchy:</i> Tagged_Digital_Child :: Field			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	name	1..1	None
	field_number	0..1	None
<i>No Associations</i>			
<i>Referenced from:</i> None			

## Field\_Binary

<b>Name: Field_Binary</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The Field_Binary class defines a field of a binary record or a field of a binary group.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Tagged_Digital_Child :: Field :: Field_Binary			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	name	1..1	None
	field_number	0..1	None
	field_location	1..1	None
	data_type	1..1	ASCII_AnyURI, ASCII_Boolean, ASCII_DOI, ASCII_ Date_DOY, ASCII_ Date_Time_DOY, ASCII_Date_Time_ DOY.UTC, ASCII_ Date_Time_YMD, ASCII_Date_Time_ YMD.UTC, ASCII_ Date_YMD, ASCII_ Directory_Path_ Name, ASCII_File_ Name, ASCII_File_ Specification_Name, ASCII_Integer, ASCII_ LID, ASCII_LIDVID, ASCII_LIDVID_ LID, ASCII_MD5_ Checksum, ASCII_ NonNegative_Integer, ASCII_Numeric_ Base16, ASCII_ Numeric_Base2, ASCII_Numeric_ Base8, ASCII_Real,

<b>Name: Field_Binary</b>			<b>Version Id: 1.0.0.0</b>
			ASCII_String, ASCII_Time, ASCII_VID, ComplexLSB16, ComplexLSB8, ComplexMSB16, ComplexMSB8, IEEE754LSBDouble, IEEE754LSBSingle, IEEE754MSBDouble, IEEE754MSBSingle, SignedBitString, SignedByte, SignedLSB2, SignedLSB4, SignedLSB8, SignedMSB2, SignedMSB4, SignedMSB8, UTF8_String, UnsignedBitString, UnsignedByte, UnsignedLSB2, UnsignedLSB4, UnsignedLSB8, UnsignedMSB2, UnsignedMSB4, UnsignedMSB8
	field_length	1..1	None
	field_format	0..1	None
	unit	0..1	None
	scaling_factor	0..1	None
	value_offset	0..1	None
	description	0..1	None
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	associated_Special_Constants	0..1	Special_Constants
	associated_Statistics	0..1	Field_Statistics
	has_Packed_Data_Fields	0..1	Packed_Data_Fields
<i>Referenced from:</i> Group_Field_Binary, Record_Binary			

## Field\_Bit

<b>Name: Field_Bit</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The Field_Bit class provides parameters for extracting one field out of a string of bytes which contains packed data (that is, data values either smaller than a single byte, or crossing byte boundaries, or both).			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Tagged_Digital_Child :: Field :: Field_Bit			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>

<b>Name: Field_Bit</b>			<b>Version Id: 1.0.0.0</b>
	name	1..1	None
	field_number	0..1	None
	start_bit	1..1	None
	stop_bit	1..1	None
	data_type	1..1	SignedBitString, UnsignedBitString
	field_format	0..1	None
	unit	0..1	None
	scaling_factor	0..1	None
	value_offset	0..1	None
	description	0..1	None
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	associated_Special_Constants	0..1	Special_Constants
<i>Referenced from:</i> Packed_Data_Fields			

## Field\_Character

<b>Name: Field_Character</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The Field_Character class defines a field of a character record or a field of a character group.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Tagged_Digital_Child :: Field :: Field_Character			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	name	1..1	None
	field_number	0..1	None
	field_location	1..1	None
	data_type	1..1	ASCII_AnyURI, ASCII_Boolean, ASCII_DOI, ASCII_Date_DOY, ASCII_Date_Time_DOY, ASCII_Date_Time_DOY_UTC, ASCII_Date_Time_YMD, ASCII_Date_Time_YMD_UTC, ASCII_Date_YMD, ASCII_Directory_Path_Name, ASCII_File_Name, ASCII_File_Specification_Name, ASCII_Integer, ASCII_LID, ASCII_LIDVID, ASCII_LIDVID_LID, ASCII_MD5_Checksum, ASCII_NonNegative_Integer,

<b>Name: Field_Character</b>			<b>Version Id: 1.0.0.0</b>
			ASCII_Numeric_Base16, ASCII_Numeric_Base2, ASCII_Numeric_Base8, ASCII_Real, ASCII_String, ASCII_Time, ASCII_VID, UTF8_String
	field_length	1..1	None
	field_format	0..1	None
	unit	0..1	None
	scaling_factor	0..1	None
	value_offset	0..1	None
	description	0..1	None
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	associated_Special_Constants	0..1	Special_Constants
	associated_Statistics	0..1	Field_Statistics
<i>Referenced from:</i> Group_Field_Character, Record_Character			

## Field\_Delimited

<b>Name: Field_Delimited</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The Field_Delimited class defines a field of a delimited record or a field of a delimited group.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Tagged_Digital_Child :: Field :: Field_Delimited			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	name	1..1	None
	field_number	0..1	None
	data_type	1..1	ASCII_AnyURI, ASCII_Boolean, ASCII_DOI, ASCII_Date_DOY, ASCII_Date_Time_DOY, ASCII_Date_Time_DOY_UTC, ASCII_Date_Time_YMD, ASCII_Date_Time_YMD_UTC, ASCII_Date_YMD, ASCII_Directory_Path_Name, ASCII_File_Name, ASCII_File_Specification_Name, ASCII_Integer, ASCII_LID, ASCII_LIDVID, ASCII_LIDVID_LID, ASCII_MD5_

Support classes in the  
common (pds) namespace.

<b>Name: Field_Delimited</b>			<b>Version Id: 1.0.0.0</b>
			Checksum, ASCII_NonNegative_Integer, ASCII_Numeric_Base16, ASCII_Numeric_Base2, ASCII_Numeric_Base8, ASCII_Real, ASCII_String, ASCII_Time, ASCII_VID, UTF8_String
	maximum_field_length	0..1	None
	field_format	0..1	None
	unit	0..1	None
	scaling_factor	0..1	None
	value_offset	0..1	None
	description	0..1	None
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	associated_Special_Constants	0..1	Special_Constants
	associated_Statistics	0..1	Field_Statistics
<i>Referenced from:</i> Group_Field_Delimited, Record_Delimited			

## Field\_Statistics

<b>Name: Field_Statistics</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The Field Statistics class provides a set of metrics for a column formed by a field in a repeating record.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Tagged_NonDigital_Object :: TNDO_Supplemental :: Field_Statistics			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	local_identifier	0..1	None
	maximum	0..1	None
	minimum	0..1	None
	mean	0..1	None
	standard_deviation	0..1	None
	median	0..1	None
	description	0..1	None
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	data_object	1..1	Conceptual_Object
<i>Referenced from:</i> Field_Binary, Field_Character, Field_Delimited			

## File

<b>Name: File</b>	<b>Version Id: 1.1.0.0</b>
<i>Description:</i> The File class consists of attributes that describe a file in a data store.	

<b>Name: File</b>			<b>Version Id: 1.1.0.0</b>
Namespace Id: pds	Steward: pds	Role: concrete	Status: Active
Class Hierarchy: Tagged_Digital_Object :: File			
Attribute(s)	Name	Cardinality	Value
	file_name	1..1	None
	local_identifier	0..1	None
	creation_date_time	0..1	None
	file_size	0..1	None
	records	0..1	None
	md5_checksum	0..1	None
	comment	0..1	None
Association(s)	Name	Cardinality	Class
	data_object	1..1	Digital_Object
Referenced from: File_Area_Ancillary, File_Area_Binary, File_Area_Browse, File_Area_Checksum_Manifest, File_Area_Encoded_Image, File_Area_Inventory, File_Area_Native, File_Area_Observational, File_Area_Observational_Supplemental, File_Area_SIP_Deep_Archive, File_Area_SPICE_Kernel, File_Area_Service_Description, File_Area_Text, File_Area_Transfer_Manifest, File_Area_Update, File_Area_XML_Schema, Product_Zipped			

## File\_Area

<b>Name: File_Area</b>			<b>Version Id: 1.0.0.0</b>
Description: The File_Area class defines a File and its component data objects.			
Namespace Id: pds	Steward: pds	Role: concrete	Status: Active
Class Hierarchy: Product_Components :: File_Area			
No Attributes			
No Associations			
Referenced from: None			

## File\_Area\_Ancillary

<b>Name: File_Area_Ancillary</b>			<b>Version Id: 1.1.0.0</b>
Description: The File Area Ancillary class describes a file and one or more tagged_data_objects contained within the file.			
Namespace Id: pds	Steward: pds	Role: concrete	Status: Active
Class Hierarchy: Product_Components :: File_Area :: File_Area_Ancillary			
No Attributes			
Association(s)	Name	Cardinality	Class
	has_File	1..1	File
	has_tagged_data_object	1..Unbounded	Array, Array_2D, Array_2D_Image, Array_2D_Map, Array_2D_Spectrum, Array_3D, Array_3D_Image, Array_3D_Movie, Array_

<b>Name: File_Area_Ancillary</b>			<b>Version Id: 1.1.0.0</b>
			3D_Spectrum, Checksum_Manifest, Encoded_Header, Encoded_Image, Header, Stream_Text, Table_Binary, Table_ Character, Table_ Delimited
<i>Referenced from:</i> Product_Ancillary			

## File\_Area\_Binary

<b>Name: File_Area_Binary</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The File Area Binary class describes a file that contains an encoded byte stream.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Product_Components :: File_Area :: File_Area_Binary			
<i>No Attributes</i>			
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	has_File	1..1	File
	has_tagged_data_object	0..Unbounded	Encoded_Binary
<i>Referenced from:</i> Product_File_Repository, Product_Proxy_PDS3			

## File\_Area\_Browse

<b>Name: File_Area_Browse</b>			<b>Version Id: 1.2.0.0</b>
<i>Description:</i> The File Area Browse class describes a file and one or more tagged_data_objects contained within the file.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Product_Components :: File_Area :: File_Area_Browse			
<i>No Attributes</i>			
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	has_File	1..1	File
	has_tagged_data_object	1..Unbounded	Array, Array_1D *Deprecated*, Array_ 2D, Array_2D_ Image, Array_2D_ Map, Array_2D_ Spectrum, Array_3D, Array_3D_Image, Array_3D_Movie, Array_3D_Spectrum, Encoded_Header, Encoded_Image, Header, Stream_Text, Table_Binary, Table_ Character, Table_ Delimited
<i>Referenced from:</i> Product_Browse			

## File\_Area\_Checksum\_Manifest

<b>Name: File_Area_Checksum_Manifest</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The File Area Checksum Manifest class describes a file that contains a two column table for file references and checksums.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Product_Components :: File_Area :: File_Area_Checksum_Manifest			
<i>No Attributes</i>			
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	has_File	1..1	File
	has_tagged_data_object	1..1	Checksum_Manifest
<i>Referenced from:</i> Information_Package_Component			

## File\_Area\_Encoded\_Image

<b>Name: File_Area_Encoded_Image</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The File Area Encoded Image class describes a file that contains an Encoded Image object.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Product_Components :: File_Area :: File_Area_Encoded_Image			
<i>No Attributes</i>			
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	has_File	1..1	File
	has_tagged_data_object	1..1	Encoded_Image
<i>Referenced from:</i> Product_Thumbnail			

## File\_Area\_Inventory

<b>Name: File_Area_Inventory</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The File Area Inventory class describes a file and an inventory consisting of references to members.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Product_Components :: File_Area :: File_Area_Inventory			
<i>No Attributes</i>			
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	has_File	1..1	File
	has_tagged_data_object	1..1	Inventory
<i>Referenced from:</i> Product_Collection			

## File\_Area\_Native

<b>Name: File_Area_Native</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The File Area Native describes tagged_data_objects collected from an instrument.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Role:</i> concrete	<i>Status:</i> Active



<b>Name: File_Area_Native</b>		<b>Version Id: 1.0.0.0</b>	
<i>Class Hierarchy:</i> Product_Components :: File_Area :: File_Area_Native			
<i>No Attributes</i>			
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	has_File	1..1	File
	has_tagged_data_object	1..Unbounded	Encoded_Native
<i>Referenced from:</i> Product_Native			

## File\_Area\_Observational

<b>Name: File_Area_Observational</b>		<b>Version Id: 1.3.0.0</b>	
<i>Description:</i> The File Area Observational class describes, for an observational product, a file and one or more tagged_data_objects contained within the file.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Product_Components :: File_Area :: File_Area_Observational			
<i>No Attributes</i>			
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	has_File	1..1	File
	has_tagged_data_object	1..Unbounded	Array, Array_1D *Deprecated*, Array_2D, Array_2D_Image, Array_2D_Map, Array_2D_Spectrum, Array_3D, Array_3D_Image, Array_3D_Movie, Array_3D_Spectrum, Encoded_Header, Header, Stream_Text, Table_Binary, Table_Character, Table_Delimited
<i>Referenced from:</i> Product_Observational			

## File\_Area\_Observational\_Supplemental

<b>Name: File_Area_Observational_Supplemental</b>		<b>Version Id: 1.3.0.0</b>	
<i>Description:</i> The File Area Observational Supplemental class describes, for an observational product, additional files and tagged_data_objects contained within the file.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Product_Components :: File_Area :: File_Area_Observational_Supplemental			
<i>No Attributes</i>			
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	has_File	1..1	File
	has_tagged_data_object	1..Unbounded	Array, Array_1D *Deprecated*, Array_2D, Array_2D_Image, Array_2D_

<b>Name: File_Area_Observational_Supplemental</b>			<b>Version Id: 1.3.0.0</b>
			Map, Array_2D_Spectrum, Array_3D, Array_3D_Image, Array_3D_Movie, Array_3D_Spectrum, Encoded_Binary, Encoded_Byte_Stream, Encoded_Header, Encoded_Image, Header, Parsable_Byte_Stream, Stream_Text, Table_Binary, Table_Character, Table_Delimited
<i>Referenced from:</i> Product_Observational			

## File\_Area\_SIP\_Deep\_Archive

<b>Name: File_Area_SIP_Deep_Archive</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The File Area SIP Deep Archive class describes the File Area for the Submission Information Package (SIP) for the NASA planetary science deep archive.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Product_Components :: File_Area :: File_Area_SIP_Deep_Archive			
<i>No Attributes</i>			
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	has_File	1..1	File
	has_tagged_data_object	1..1	Manifest_SIP_Deep_Archive
<i>Referenced from:</i> Information_Package_Component_Deep_Archive			

## File\_Area\_SPICE\_Kernel

<b>Name: File_Area_SPICE_Kernel</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The File Area SPICE Kernel class describes a file that contains a SPICE Kernel object.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Product_Components :: File_Area :: File_Area_SPICE_Kernel			
<i>No Attributes</i>			
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	has_File	1..1	File
	has_tagged_data_object	1..1	SPICE_Kernel
<i>Referenced from:</i> Product_SPICE_Kernel			

## File\_Area\_Service\_Description

<b>Name: File_Area_Service_Description</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The File Area Service Description class describes a file that contains a service description.			

<b>Name: File_Area_Service_Description</b>			<b>Version Id: 1.0.0.0</b>
Namespace Id: pds	Steward: ops	Role: concrete	Status: Active
Class Hierarchy: Product_Components :: File_Area :: File_Area_Service_Description			
No Attributes			
Association(s)	Name	Cardinality	Class
	has_File	1..1	File
	has_tagged_data_object	1..Unbounded	Service_Description
Referenced from: Product_Service			

## File\_Area\_Text

<b>Name: File_Area_Text</b>			<b>Version Id: 1.0.0.0</b>
Description: The File Area Text class describes a file that contains a text stream object.			
Namespace Id: pds	Steward: pds	Role: concrete	Status: Active
Class Hierarchy: Product_Components :: File_Area :: File_Area_Text			
No Attributes			
Association(s)	Name	Cardinality	Class
	has_File	1..1	File
	has_tagged_data_object	1..1	Stream_Text
Referenced from: Product_Bundle, Product_File_Text			

## File\_Area\_Transfer\_Manifest

<b>Name: File_Area_Transfer_Manifest</b>			<b>Version Id: 1.0.0.0</b>
Description: The File Area Transfer Manifest class describes a file that contains a two column table that maps the logical identifiers and version ids of products to their file specification names.			
Namespace Id: pds	Steward: ops	Role: concrete	Status: Active
Class Hierarchy: Product_Components :: File_Area :: File_Area_Transfer_Manifest			
No Attributes			
Association(s)	Name	Cardinality	Class
	has_File	1..1	File
	has_tagged_data_object	1..1	Transfer_Manifest
Referenced from: Information_Package_Component			

## File\_Area\_Update

<b>Name: File_Area_Update</b>			<b>Version Id: 1.1.0.0</b>
Description: The File Area Update class is a File Area that describes a file that contains one or more digital objects used to provide additional metadata for registered products.			
Namespace Id: pds	Steward: ops	Role: concrete	Status: Active
Class Hierarchy: Product_Components :: File_Area :: File_Area_Update			
No Attributes			
Association(s)	Name	Cardinality	Class

Support classes in the  
common (pds) namespace.

<b>Name: File_Area_Update</b>			<b>Version Id: 1.1.0.0</b>
	has_File	1..1	File
	has_tagged_data_object2	0..1	Header
	has_tagged_data_object	1..1	Table_Character, Table_Delimited
<i>Referenced from:</i> Product_Update			

## File\_Area\_XML\_Schema

<b>Name: File_Area_XML_Schema</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The File Area XML Schema class describes a file that contains a resource used for the PDS4 implementation into XML.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Product_Components :: File_Area :: File_Area_XML_Schema			
<i>No Attributes</i>			
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	has_File	1..1	File
	has_tagged_data_object	1..1	XML_Schema
<i>Referenced from:</i> Product_XML_Schema			

## Finding\_Aid\_Object

<b>Name: Finding_Aid_Object</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The Finding Aid Object defines a Supplemental Object that supports a user when attempting to locate data.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Data_Object :: Digital_Object :: Supplemental_Object :: Finding_Aid_Object			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	bit_string	1..1	None
<i>No Associations</i>			
<i>Referenced from:</i> None			

## Geometry \*Deprecated\*

<b>Name: Geometry *Deprecated*</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The Geometry class groups geometry information.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Role:</i> abstract	<i>Status:</i> Deprecated
<i>Class Hierarchy:</i> Tagged_NonDigital_Object :: TNDO_Supplemental :: Geometry *Deprecated*			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	local_identifier	0..1	None
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	data_object	1..1	Conceptual_Object
	vector	0..Unbounded	Vector

Support classes in the common (pds) namespace.

<b>Name: Geometry *Deprecated*</b>	<b>Version Id: 1.0.0.0</b>
<i>Referenced from:</i> None	

## Group

<b>Name: Group</b>		<b>Version Id: 1.1.0.0</b>	
<i>Description:</i> The Group class defines a group of (repeating) fields and, possibly, (sub) groups; it is the parent class of all specific group classes.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Role:</i> abstract	<i>Status:</i> Active
<i>Class Hierarchy:</i> Tagged_Digital_Child :: Group			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	name	0..1	None
	group_number	0..1	None
	repetitions	1..1	None
	fields	1..1	None
	groups	1..1	None
	description	0..1	None
<i>No Associations</i>			
<i>Referenced from:</i> None			

## Group\_Facet1

<b>Name: Group_Facet1</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The Group_Facet1 class contains a single facet restricted according to the value of discipline_name. It also contains zero or more subfacets restricted according to the value of the facet. Note that Science_Facets was modeled with Discipline_Facets as a component and Discipline_Facets was modeled with Group_Facet1 and Group_Facet2 as components. This dependency hierarchy was flattened and only Science_Facets exists in the schema.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Product_Components :: Group_Facet1			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	facet1	0..1	2D, Color, Color Movie, Dust Study, Dynamical Properties, Electric, Electrons, Gas Study, Grayscale, Historical Reference, Ions, Lightcurve, Linear, Magnetic, Meteoritics, Meteorology, Movie, Neutrals, Photometry, Physical Properties, Polarimetry, Production Rates, Ring Compositional Map, Ring Occultation Profile, Ring Thermal Map, Satellite

Support classes in the  
common (pds) namespace.

<b>Name: Group_Facet1</b>			<b>Version Id: 1.0.0.0</b>
			Astrometry, Shape Model, Spectral Cube, Spectral Image, Structure, Tabulated, Taxonomy
	subfacet1	0..Unbounded	None
<i>No Associations</i>			
<i>Referenced from:</i> Discipline_Facets			

## Group\_Facet2

<b>Name: Group_Facet2</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The Group_Facet2 class contains a single facet restricted according to the value of discipline_name. It also contains zero or more subfacets restricted according to the value of the facet. Note that Science_Facets was modeled with Discipline_Facets as a component and Discipline_Facets was modeled with Group_Facet1 and Group_Facet2 as components. This dependency hierarchy was flattened and only Science_Facets exists in the schema.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Product_Components :: Group_Facet2			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	facet2	0..1	Background, Cosmic Ray, Energetic, Plasma, Solar Energetic, Waves
	subfacet2	0..Unbounded	None
<i>No Associations</i>			
<i>Referenced from:</i> Discipline_Facets			

## Group\_Field\_Binary

<b>Name: Group_Field_Binary</b>			<b>Version Id: 1.1.0.0</b>
<i>Description:</i> The Group_Field_Binary class allows a group of table fields.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Tagged_Digital_Child :: Group :: Group_Field_Binary			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	name	0..1	None
	group_number	0..1	None
	repetitions	1..1	None
	fields	1..1	None
	groups	1..1	None
	description	0..1	None
	group_location	1..1	None
	group_length	1..1	None
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	has_Group_Field_Binary	1..Unbounded	Field_Binary, Group_Field_Binary

Support classes in the  
common (pds) namespace.

<b>Name: Group_Field_Binary</b>	<b>Version Id: 1.1.0.0</b>
<i>Referenced from:</i> Group_Field_Binary, Record_Binary	

## Group\_Field\_Character

<b>Name: Group_Field_Character</b>		<b>Version Id: 1.1.0.0</b>	
<i>Description:</i> The Group_Field_Character class allows a group of table fields.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Tagged_Digital_Child :: Group :: Group_Field_Character			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	name	0..1	None
	group_number	0..1	None
	repetitions	1..1	None
	fields	1..1	None
	groups	1..1	None
	description	0..1	None
	group_location	1..1	None
	group_length	1..1	None
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	has_Group_Field_Character	1..Unbounded	Field_Character, Group_Field_Character
<i>Referenced from:</i> Group_Field_Character, Record_Character			

## Group\_Field\_Delimited

<b>Name: Group_Field_Delimited</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The Field_Group_Delimited class allows a group of delimited fields.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Tagged_Digital_Child :: Group :: Group_Field_Delimited			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	name	0..1	None
	group_number	0..1	None
	repetitions	1..1	None
	fields	1..1	None
	groups	1..1	None
	description	0..1	None
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	has_Delimited_Field_Grouped	1..Unbounded	Field_Delimited, Group_Field_Delimited
<i>Referenced from:</i> Group_Field_Delimited, Record_Delimited			

## Header

<b>Name: Header</b>			<b>Version Id: 1.1.0.0</b>
<i>Description:</i> The Header class describes a data object header.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Tagged_Digital_Object :: Byte_Stream :: Parsable_Byte_Stream :: Header			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	name	0..1	None
	local_identifier	0..1	None
	offset	1..1	None
	object_length	1..1	None
	parsing_standard_id	1..1	7-Bit ASCII Text, CDF 3.4 ISTP/IACG, FITS 3.0, ISIS2, ISIS2 History Label, ISIS3, PDS DSV 1, PDS ODL 2, PDS3, Pre-PDS3, UTF-8 Text, VICAR1, VICAR2
	description	0..1	None
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	data_object	1..1	Digital_Object
<i>Referenced from:</i> File_Area_Ancillary, File_Area_Browse, File_Area_Observational, File_Area_Observational_Supplemental, File_Area_Update			

## Identification\_Area

<b>Name: Identification_Area</b>			<b>Version Id: 1.4.0.0</b>
<i>Description:</i> The identification area consists of attributes that identify and name an object.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Product_Components :: Identification_Area			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	logical_identifier	1..1	None
	version_id	1..1	None
	title	1..1	None
	information_model_version	1..1	1.0.0.0, 1.1.0.0, 1.2.0.0, 1.2.0.1, 1.3.0.0, 1.3.0.1, 1.4.0.0, 1.5.0.0, 1.6.0.0
	product_class	1..1	Product_AIP, Product_Ancillary, Product_Attribute_Definition, Product_Browse, Product_Bundle, Product_Class_Definition, Product_Collection, Product_Context, Product_DIP, Product_DIP_



<b>Name: Identification_Area</b>			<b>Version Id: 1.4.0.0</b>
			Deep_Archive, Product_Data_Set_PDS3, Product_Document, Product_File_Repository, Product_File_Text, Product_Instrument_Host_PDS3, Product_Instrument_PDS3, Product_Mission_PDS3, Product_Native, Product_Observational, Product_Proxy_PDS3, Product_SIP, Product_SIP_Deep_Archive, Product_SPICE_Kernel, Product_Service, Product_Software, Product_Subscription_PDS3, Product_Target_PDS3, Product_Thumbnail, Product_Update, Product_Volume_PDS3, Product_Volume_Set_PDS3, Product_XML_Schema, Product_Zipped
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	alias_list	0..1	Alias_List
	citation_information	0..1	Citation_Information
	modification_history	0..1	Modification_History
<i>Referenced from:</i> Product, Product_AIP, Product_Ancillary, Product_Attribute_Definition, Product_Browse, Product_Bundle, Product_Class_Definition, Product_Collection, Product_Context, Product_DIP, Product_DIP_Deep_Archive, Product_Data_Set_PDS3, Product_Document, Product_File_Repository, Product_File_Text, Product_Instrument_Host_PDS3, Product_Instrument_PDS3, Product_Mission_PDS3, Product_Native, Product_Observational, Product_Proxy_PDS3, Product_SIP, Product_SIP_Deep_Archive, Product_SPICE_Kernel, Product_Service, Product_Software, Product_Subscription_PDS3, Product_Target_PDS3, Product_Thumbnail, Product_Update, Product_Volume_PDS3, Product_Volume_Set_PDS3, Product_XML_Schema, Product_Zipped			

## Information\_Package

<b>Name: Information_Package</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The Information Package class defines the Information Package as described in the OAIS Reference Model and is the parent class of all specific IP classes.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Role:</i> abstract	<i>Status:</i> Active
<i>Class Hierarchy:</i> Tagged_NonDigital_Object :: TNDO_Supplemental :: Information_Package			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	description	1..1	None

Support classes in the  
common (pds) namespace.

<b>Name: Information_Package</b>		<b>Version Id: 1.0.0.0</b>
<i>No Associations</i>		
<i>Referenced from: None</i>		

## Information\_Package\_Component

<b>Name: Information_Package_Component</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The Information_Package_Component class associates a Bundle, Collections or Basic Products with Checksum and Storage Manifests.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Tagged_NonDigital_Object :: TNDO_Supplemental :: Information_Package_Component			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	checksum_manifest_checksum	0..1	None
	checksum_type	0..1	None
	transfer_manifest_checksum	0..1	None
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	internal_reference	1..Unbounded	Internal_Reference
	has_Checksum_Manifest	0..1	File_Area_Checksum_Manifest
	has_Transfer_Manifest	0..1	File_Area_Transfer_Manifest
<i>Referenced from:</i> Product_AIP, Product_DIP, Product_DIP_Deep_Archive, Product_SIP			

## Information\_Package\_Component\_Deep\_Archive

<b>Name: Information_Package_Component_Deep_Archive</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The Information Package Component Deep Archive class is an Information Package Component for the NASA planetary science deep archive.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Tagged_NonDigital_Object :: TNDO_Supplemental :: Information_Package_Component_Deep_Archive			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	manifest_checksum	1..1	None
	checksum_type	1..1	None
	manifest_url	1..1	None
	aip_lidvid	1..1	None
	aip_label_checksum	1..1	None
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	has_manifest	1..1	File_Area_SIP_Deep_Archive
	internal_reference	1..1	Internal_Reference
<i>Referenced from:</i> Product_SIP_Deep_Archive			

# Instrument

<b>Name: Instrument</b>			<b>Version Id: 1.3.0.0</b>
<i>Description:</i> The Instrument class provides a description of a physical object that collects data.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Tagged_NonDigital_Object :: TNDO_Context :: Instrument			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	name	0..1	None
	type	1..Unbounded	Accelerometer, Alpha Particle Detector, Alpha Particle X-Ray Spectrometer, Altimeter, Anemometer, Atomic Force Microscope, Barometer, Biology Experiments, Bolometer, Camera, Cosmic Ray Detector, Drilling Tool, Dust Detector, Electrical Probe, Energetic Particle Detector, Gamma Ray Detector, Gas Analyzer, Grinding Tool, Hygrometer, Imager, Imaging Spectrometer, Inertial Measurement Unit, Infrared Spectrometer, Laser Induced Breakdown Spectrometer, Magnetometer, Mass Spectrometer, Microwave Spectrometer, Moessbauer Spectrometer, Naked Eye, Neutral Particle Detector, Neutron Detector, Photometer, Plasma Analyzer, Plasma Detector, Plasma Wave Spectrometer, Polarimeter, Radar, Radio Science, Radio Spectrometer, Radio Telescope, Radiometer, Reflectometer, Robotic Arm, Spectrograph Imager, Spectrometer, Thermal Imager,

Support classes in the  
common (pds) namespace.

<b>Name: Instrument</b>			<b>Version Id: 1.3.0.0</b>
			Thermal Probe, Thermometer, Ultraviolet Spectrometer, Weather Station, Wet Chemistry Laboratory, X-ray Detector, X-ray Diffraction Spectrometer, X-ray Fluorescence Spectrometer
	model_id	0..1	None
	naif_instrument_id	0..1	None
	serial_number	0..1	None
	description	1..1	None
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	data_object	1..1	Physical_Object
<i>Referenced from:</i> Product_Context			

## Instrument\_Host

<b>Name: Instrument_Host</b>			<b>Version Id: 1.3.0.0</b>
<i>Description:</i> The Instrument Host class provides a description of the physical object upon which an instrument is mounted.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Tagged_NonDigital_Object :: TNDO_Context :: Instrument_Host			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	name	0..1	None
	instrument_host_version_id *Deprecated*	0..1	None
	version_id *Deprecated*	0..1	None
	type	1..1	Earth Based, Earth-based, Lander, Rover, Spacecraft
	naif_host_id	0..1	None
	serial_number	0..1	None
	description	1..1	None
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	data_object	1..1	Physical_Object
<i>Referenced from:</i> Product_Context			

## Internal\_Reference

<b>Name: Internal_Reference</b>			<b>Version Id: 1.1.0.0</b>
<i>Description:</i> The Internal_Reference class is used to cross-reference other products in the PDS registry system.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Product_Components :: Internal_Reference			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	lid_reference	0..1	None
	lidvid_reference	0..1	None
	reference_type	1..1	None
	comment	0..1	None
<i>No Associations</i>			
<i>Referenced from:</i> DD_Attribute, DD_Class, Information_Package_Component, Information_Package_Component_Deep_Archive, Investigation_Area, Observing_System_Component, Product_Zipped, Reference_List, Target_Identification, Update_Entry			

## Inventory

<b>Name: Inventory</b>			<b>Version Id: 1.2.0.0</b>
<i>Description:</i> The Inventory class defines the inventory for members of a collection.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Tagged_Digital_Object :: Byte_Stream :: Parsable_Byte_Stream :: Table_Delimited :: Inventory			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	name	0..1	None
	local_identifier	0..1	None
	offset	1..1	None
	object_length	0..1	None
	parsing_standard_id	1..1	PDS DSV 1
	description	0..1	None
	records	1..1	None
	record_delimiter	1..1	Carriage-Return Line-Feed, carriage-return line-feed
	field_delimiter	1..1	Comma, Horizontal Tab, Semicolon, Vertical Bar, comma, horizontal tab, semicolon, vertical bar
	reference_type	1..1	inventory_has_member_product
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	data_object	1..1	Digital_Object
	uniformly_sampled	0..1	Uniformly_Sampled

Support classes in the  
common (pds) namespace.

<b>Name: Inventory</b>			<b>Version Id: 1.2.0.0</b>
	has_delimited_record	1..1	Record_Delimited
<i>Referenced from:</i> File_Area_Inventory			

## Investigation

<b>Name: Investigation</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The Investigation class provides a description of activities involved in the collection of data.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Tagged_NonDigital_Object :: TNDO_Context :: Investigation			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	name	0..1	None
	type	1..1	Individual Investigation, Mission, Observing Campaign, Other Investigation
	start_date	1..1	None
	stop_date	1..1	None
	description	1..1	None
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	data_object	1..1	Conceptual_Object
<i>Referenced from:</i> Product_Context			

## Investigation\_Area

<b>Name: Investigation_Area</b>			<b>Version Id: 1.1.0.0</b>
<i>Description:</i> The Investigation_Area class provides information about an investigation (mission, observing campaign or other coordinated, large-scale data collection effort).			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Product_Components :: Investigation_Area			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	name	1..1	None
	type	1..1	Individual Investigation, Mission, Observing Campaign, Other Investigation
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	internal_reference	1..Unbounded	Internal_Reference
<i>Referenced from:</i> Context_Area, Observation_Area			

## Local\_Internal\_Reference

<b>Name: Local_Internal_Reference</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The Local_Internal_Reference class is used to cross-reference other Description Objects in a PDS4 label.			

Support classes in the  
common (pds) namespace.

<b>Name: Local_Internal_Reference</b>			<b>Version Id: 1.0.0.0</b>
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Product_Components :: Local_Internal_Reference			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	comment	0..1	None
	local_identifier_ reference	1..1	None
	local_reference_type	1..1	None
<i>No Associations</i>			
<i>Referenced from:</i> Display_Settings, Array, Array_1D *Deprecated*, Array_2D, Array_2D_Image, Array_2D_Map, Array_2D_Spectrum, Array_3D, Array_3D_Image, Array_3D_Movie, Array_3D_Spectrum			

## Manifest\_SIP\_Deep\_Archive

<b>Name: Manifest_SIP_Deep_Archive</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The Manifest SIP Deep Archive class is a Table Delimited for the NASA planetary science deep archive's Submission Information Package (SIP).			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Tagged_Digital_Object :: Byte_Stream :: Parsable_Byte_Stream :: Table_Delimited :: Manifest_SIP_Deep_Archive			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	name	0..1	None
	local_identifier	0..1	None
	offset	1..1	None
	object_length	0..1	None
	parsing_standard_id	1..1	PDS DSV 1
	description	0..1	None
	records	1..1	None
	record_delimiter	1..1	Carriage-Return Line-Feed, carriage-return line-feed
	field_delimiter	1..1	Comma, Horizontal Tab, Semicolon, Vertical Bar, comma, horizontal tab, semicolon, vertical bar
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	data_object	1..1	Digital_Object
	uniformly_sampled	0..1	Uniformly_Sampled
	has_delimited_record	1..1	Record_Delimited
<i>Referenced from:</i> File_Area_SIP_Deep_Archive			

## Mission\_Area

<b>Name: Mission_Area</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The mission area allows the insertion of mission specific metadata.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Product_Components :: Mission_Area			
<i>No Attributes</i>			
<i>No Associations</i>			
<i>Referenced from:</i> Context_Area, Observation_Area			

## Modification\_Detail

<b>Name: Modification_Detail</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The Modification_Detail class provides the details of one round of modification for the product. The first, required, instance of this class documents the date the product was first registered.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Product_Components :: Modification_Detail			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	modification_date	1..1	None
	version_id	1..1	None
	description	1..1	None
<i>No Associations</i>			
<i>Referenced from:</i> Modification_History			

## Modification\_History

<b>Name: Modification_History</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The Modification_History class tracks the history of changes made to the product once it enters the registry system.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Product_Components :: Modification_History			
<i>No Attributes</i>			
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	modification_detail	1..Unbounded	Modification_Detail
<i>Referenced from:</i> Identification_Area			

## NSSDC

<b>Name: NSSDC</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The NSSDC Information class provides identification information for data submitted to the NSSDC.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Tagged_NonDigital_Child :: NSSDC			



Support classes in the  
common (pds) namespace.

<b>Name: NSSDC</b>			<b>Version Id: 1.0.0.0</b>
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	medium_type	1..1	None
	nssdc_collection_id	1..1	None
<i>No Associations</i>			
<i>Referenced from: Data_Set_PDS3</i>			

## Native\_Object

<b>Name: Native_Object</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The Native Object defines a Digital Object in the original format returned by the spacecraft or experimental system when that format cannot be described using one of the PDS4 formats specified for observational data (tables or arrays).			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Data_Object :: Digital_Object :: Native_Object			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	bit_string	1..1	None
<i>No Associations</i>			
<i>Referenced from:</i> None			

## Node

<b>Name: Node</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The Node class provides a description of an entity that provides local governance within the federated Planetary Data System.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Tagged_NonDigital_Object :: TNDO_Context :: Node			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	name	1..1	Engineering, Geosciences, Imaging, Management, Navigation and Ancillary Information Facility, Planetary Atmospheres, Planetary Plasma Interactions, Planetary Rings, Planetary Science Archive, Radio Science, Small Bodies
	institution_name	1..1	None
	description	1..1	None
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	data_object	1..1	Conceptual_Object
<i>Referenced from:</i> Product_Context			

## Object\_Statistics

<b>Name: Object_Statistics</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The Object Statistics class provides a set of values that provide metrics about the object.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Tagged_NonDigital_Object :: TNDO_Supplemental :: Object_Statistics			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	local_identifier	0..1	None
	maximum	0..1	None
	minimum	0..1	None
	mean	0..1	None
	standard_deviation	0..1	None
	bit_mask	0..1	None
	median	0..1	None
	md5_checksum	0..1	None
	maximum_scaled_value	0..1	None
	minimum_scaled_value	0..1	None
	description	0..1	None
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	data_object	1..1	Conceptual_Object
<i>Referenced from:</i> Array, Array_1D *Deprecated*, Array_2D, Array_2D_Image, Array_2D_Map, Array_2D_Spectrum, Array_3D, Array_3D_Image, Array_3D_Movie, Array_3D_Spectrum			

## Observation\_Area

<b>Name: Observation_Area</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The observation area consists of attributes that provide information about the circumstances under which the data were collected.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Product_Components :: Context_Area :: Observation_Area			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	comment	0..1	None
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	has_time_coordinates	1..1	Time_Coordinates
	has_primary_result_description	0..1	Primary_Result_Summary
	has_investigation_area	1..Unbounded	Investigation_Area
	has_observing_system	1..Unbounded	Observing_System
	has_target_identification	1..Unbounded	Target_Identification
	has_mission_area	0..1	Mission_Area
	has_discipline_area	0..1	Discipline_Area

<b>Name: Observation_Area</b>	<b>Version Id: 1.0.0.0</b>
<i>Referenced from:</i> Product_Observational	

## Observational\_Object

<b>Name: Observational_Object</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The Observational Object class defines a Digital Object produced by an observing system.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Data_Object :: Digital_Object :: Observational_Object			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	bit_string	1..1	None
<i>No Associations</i>			
<i>Referenced from:</i> None			

## Observing\_System

<b>Name: Observing_System</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The Observing System class describes the entire suite used to collect the data.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Tagged_NonDigital_Object :: TNDO_Context :: Observing_System			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	name	0..1	None
	description	0..1	None
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	observing_system_component	1..Unbounded	Observing_System_Component
	data_object	1..1	Conceptual_Object, Physical_Object
<i>Referenced from:</i> Context_Area, Observation_Area			

## Observing\_System\_Component

<b>Name: Observing_System_Component</b>		<b>Version Id: 1.1.0.0</b>	
<i>Description:</i> The Observing System Component class references one or more subsystems used to collect data. A subsystem can be an instrument_host, instrument, or any other similar product. Each subsystem is categorized as either a sensor or a source. If the observing system includes both a sensor and a source, Observing System Component occurs twice (once for each type) otherwise it only occurs once.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Tagged_NonDigital_Child :: Observing_System_Component			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	name	1..1	None
	type	1..1	Artificial Illumination, Facility, Instrument,

Support classes in the  
common (pds) namespace.

<b>Name: Observing_System_Component</b>			<b>Version Id: 1.1.0.0</b>
			Laboratory, Literature Search, Naked Eye, Observatory, Spacecraft, Telescope
	description	0..1	None
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	internal_reference	0..1	Internal_Reference
	external_reference	0..Unbounded	External_Reference
<i>Referenced from:</i> Observing_System			

## Other

<b>Name: Other</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The Other class provides a description of activities involved in the collection of data which are not otherwise modeled.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Tagged_NonDigital_Object :: TNDO_Context :: Other			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	description	1..1	None
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	data_object	1..1	Conceptual_Object
<i>Referenced from:</i> Product_Context			

## PDS\_Affiliate

<b>Name: PDS_Affiliate</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The PDS Affiliate class provides a description of a person who has an association with the planetary science community and has access to PDS resources not normally allowed to the general public.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Tagged_NonDigital_Object :: TNDO_Context :: PDS_Affiliate			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	name	0..1	None
	registration_date	1..1	None
	electronic_mail_address	0..Unbounded	None
	sort_name	1..1	None
	affiliation_type	1..1	Affiliate, Data Provider, Manager, Technical Staff
	alternate_telephone_number	0..1	None
	institution_name	1..1	None
	phone_book_flag	1..1	None
	postal_address_text	1..1	None

<b>Name: PDS_Affiliate</b>			<b>Version Id: 1.0.0.0</b>
	team_name	0..Unbounded	Engineering, Geosciences, Headquarters, Imaging, Management, National Space Science Data Center, Navigation and Ancillary Information Facility, Planetary Atmospheres, Planetary Plasma Interactions, Planetary Rings, Radio Science, Small Bodies
	telephone_number	0..1	None
	description	1..1	None
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	data_object	1..1	Physical_Object
<i>Referenced from:</i> Product_Context			

## PDS\_Guest

<b>Name: PDS_Guest</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The PDS_Guest class is the default description of a person who has an association with the planetary science community and who has the most limited access to PDS resources.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Tagged_NonDigital_Object :: TNDO_Context :: PDS_Guest			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	name	0..1	None
	registration_date	1..1	None
	electronic_mail_address	0..Unbounded	None
	sort_name	1..1	None
	description	1..1	None
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	data_object	1..1	Physical_Object
<i>Referenced from:</i> Product_Context			

## Packed\_Data\_Fields

<b>Name: Packed_Data_Fields</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The Packed_Data_Fields class contains field definitions for extracting packed data from the associated byte string field.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Tagged_Digital_Child :: Packed_Data_Fields			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	bit_fields	1..1	None
	description	0..1	None

Support classes in the  
common (pds) namespace.

<b>Name: Packed_Data_Fields</b>			<b>Version Id: 1.0.0.0</b>
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	has_Field_Bit	1..Unbounded	Field_Bit
<i>Referenced from:</i> Field_Binary			

## Parsable\_Byte\_Stream

<b>Name: Parsable_Byte_Stream</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The Parsable Byte Stream class defines byte streams that have standard parsing rules. The Parsable Byte Stream class is the parent class for all parsable byte streams.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Tagged_Digital_Object :: Byte_Stream :: Parsable_Byte_Stream			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	name	0..1	None
	local_identifier	0..1	None
	offset	1..1	None
	object_length	0..1	None
	parsing_standard_id	1..1	None
	description	0..1	None
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	data_object	1..1	Digital_Object
<i>Referenced from:</i> File_Area_Observational_Supplemental			

## Physical\_Context\_Object

<b>Name: Physical_Context_Object</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The Physical Context Object class defines a Physical Object that is used to provide contextual information for an Observational Object.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Data_Object :: Physical_Object :: Physical_Context_Object			
<i>No Attributes</i>			
<i>No Associations</i>			
<i>Referenced from:</i> None			

## Physical\_Object

<b>Name: Physical_Object</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The Physical Object class defines a tangible object.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Data_Object :: Physical_Object			
<i>No Attributes</i>			
<i>No Associations</i>			

<b>Name: Physical_Object</b>	<b>Version Id: 1.0.0.0</b>
<i>Referenced from:</i> Data_Set_PDS3, Facility, Instrument, Instrument_Host, Instrument_Host_PDS3, Instrument_PDS3, Observing_System, PDS_Affiliate, PDS_Guest, Target, Target_PDS3, Telescope, Volume_PDS3, Volume_Set_PDS3	

## Primary\_Result\_Summary

<b>Name: Primary_Result_Summary</b>		<b>Version Id: 2.3.0.0</b>	
<i>Description:</i> The Primary_Result_Summary class provides a high-level description of the types of products included in the collection or bundle			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Product_Components :: Primary_Result_Summary			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	type *Deprecated*	0..1	Altimetry, Astrometry, Count, E/B-Field Vectors, Gravity Model, Image, Lightcurves, Map, Meteorology, Null Result, Occultation, Photometry, Physical Parameters, Polarimetry, Radiometry, Reference, Shape Model, Spectrum
	purpose	1..1	Calibration, Checkout, Engineering, Navigation, Observation Geometry, Science
	data_regime *Deprecated*	0..Unbounded	Dust, Electric Field, Electrons, Far Infrared, Gamma Ray, Infrared, Ions, Magnetic Field, Microwave, Millimeter, Near Infrared, Particles, Pressure, Radio, Sub-Millimeter, Temperature, Ultraviolet, Visible, X-Ray
	processing_level	1..1	Calibrated, Derived, Partially Processed, Raw, Telemetry
	processing_level_id *Deprecated*	0..1	Calibrated, Derived, Partially Processed, Raw, Telemetry
	description	0..1	None
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	has_Science_Facet	0..Unbounded	Science_Facets
<i>Referenced from:</i> Context_Area, Observation_Area			

## Product

<b>Name: Product</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> A Product is a uniquely identified object that is managed by a registry/repository. It consists of one or more tagged data objects.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Product			
<i>No Attributes</i>			
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	has_identification_area	1..1	Identification_Area
<i>Referenced from:</i> None			

## Product\_Components

<b>Name: Product_Components</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The Product Component class is an abstract class for the components of the Product class.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Role:</i> abstract	<i>Status:</i> Active
<i>Class Hierarchy:</i> Product_Components			
<i>No Attributes</i>			
<i>No Associations</i>			
<i>Referenced from:</i> None			

## Property\_Map

<b>Name: Property_Map</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The Property Map class defines a table consisting of a set of data elements and their values. The data elements in this table are considered to be locally defined and not subject to standards except for nomenclature rules.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Tagged_NonDigital_Object :: TNDO_Supplemental :: Property_Map			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	identifier	0..1	None
	title	0..1	None
	model_object_id	1..1	None
	model_object_type	1..1	None
	instance_id	0..Unbounded	None
	external_namespace_id	0..Unbounded	None
	description	0..1	None
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	has_Property_Map_Entry	1..Unbounded	Property_Map_Entry
<i>Referenced from:</i> Property_Maps			



## Property\_Map\_Entry

<b>Name: Property_Map_Entry</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The property map entry consists of a property name and one or more values.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Tagged_NonDigital_Object :: TNDO_Supplemental :: Property_Map_Entry			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	property_name	1..1	None
	property_value	1..Unbounded	None
<i>No Associations</i>			
<i>Referenced from:</i> Property_Map			

## Property\_Maps

<b>Name: Property_Maps</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The Property Maps class defines a collection of one or more related Property Maps.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Tagged_NonDigital_Object :: TNDO_Supplemental :: Property_Maps			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	identifier	1..1	None
	title	0..1	None
	namespace_id	1..1	None
	property_map_type	1..1	Nuance, Query Model, Rationale, Synonym, Velocity Variable
	property_map_subtype	0..1	None
	description	0..1	None
	external_property_map_id	0..Unbounded	None
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	has_property_map	1..Unbounded	Property_Map
<i>Referenced from:</i> Ingest_LDD			

## Quaternion

<b>Name: Quaternion</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The Quaternion class models a mathematical construct that consists of four individual numeric components. Quaternions are a convenient mechanism for encapsulating orientation information since they require only four units of numeric storage, as opposed to the nine needed for a rotation matrix.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Tagged_NonDigital_Object :: TNDO_Supplemental :: Quaternion			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	name	1..1	None

Support classes in the  
common (pds) namespace.

<b>Name: Quaternion</b>			<b>Version Id: 1.0.0.0</b>
	local_identifier	0..1	None
	type	1..1	SPICE, Spacecraft Telemetry
	description	1..1	None
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	data_object	1..1	Conceptual_Object
	quaternion_component	4..4	Quaternion_Component
<i>Referenced from:</i> None			

## Quaternion\_Component

<b>Name: Quaternion_Component</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The Quaternion_Component class provides a component of a quaternion.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Tagged_NonDigital_Child :: Quaternion_Component			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	name	0..1	None
	data_type	1..1	ASCII_Real
	value	1..1	None
	sequence_number	1..1	None
	description	0..1	None
<i>No Associations</i>			
<i>Referenced from:</i> Quaternion			

## Record

<b>Name: Record</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The Record class defines a record of a file and is the parent class of all specific record classes.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Role:</i> abstract	<i>Status:</i> Active
<i>Class Hierarchy:</i> Tagged_Digital_Child :: Record			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	fields	1..1	None
	groups	1..1	None
<i>No Associations</i>			
<i>Referenced from:</i> None			

## Record\_Binary

<b>Name: Record_Binary</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The Record_Binary class is a component of the table class and defines a record of the table.			

Support classes in the common (pds) namespace.

<b>Name: Record_Binary</b>			<b>Version Id: 1.0.0.0</b>
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Tagged_Digital_Child :: Record :: Record_Binary			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	fields	1..1	None
	groups	1..1	None
	record_length	1..1	None
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	has_Table_Field	1..Unbounded	Field_Binary, Group_Field_Binary
<i>Referenced from:</i> Table_Binary			

## Record\_Character

<b>Name: Record_Character</b>			<b>Version Id: 1.1.0.0</b>
<i>Description:</i> The Record_Character class is a component of the table class and defines a record of the table.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Tagged_Digital_Child :: Record :: Record_Character			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	fields	1..1	None
	groups	1..1	None
	record_length	1..1	None
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	has_Character_Field	1..Unbounded	Field_Character, Group_Field_Character
<i>Referenced from:</i> Table_Character, Transfer_Manifest			

## Record\_Delimited

<b>Name: Record_Delimited</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The Record_Delimited class is a component of the delimited table (spreadsheet) class and defines a record of the delimited table.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Tagged_Digital_Child :: Record :: Record_Delimited			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	fields	1..1	None
	groups	1..1	None
	maximum_record_length	0..1	None
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	has_Delimited_Field	1..Unbounded	Field_Delimited, Group_Field_Delimited
<i>Referenced from:</i> Inventory, Manifest_SIP_Deep_Archive, Table_Delimited			

## Reference\_List

<b>Name: Reference_List</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The Reference_List class provides lists general references and cross-references for the product. References cited elsewhere in the label need not be repeated here.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Product_Components :: Reference_List			
<i>No Attributes</i>			
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	internal_reference	0..Unbounded	Internal_Reference
	external_reference	0..Unbounded	External_Reference
<i>Referenced from:</i> Product_AIP, Product_Ancillary, Product_Attribute_Definition, Product_Browse, Product_Bundle, Product_Class_Definition, Product_Collection, Product_Context, Product_DIP, Product_DIP_Deep_Archive, Product_Data_Set_PDS3, Product_Document, Product_File_Repository, Product_File_Text, Product_Instrument_Host_PDS3, Product_Instrument_PDS3, Product_Mission_PDS3, Product_Native, Product_Observational, Product_Proxy_PDS3, Product_SIP, Product_SIP_Deep_Archive, Product_SPICE_Kernel, Product_Service, Product_Software, Product_Subscription_PDS3, Product_Target_PDS3, Product_Thumbnail, Product_Update, Product_Volume_PDS3, Product_Volume_Set_PDS3, Product_XML_Schema			

## Resource

<b>Name: Resource</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The Resource class provides a description of a web resource.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Tagged_NonDigital_Object :: TND0_Context :: Resource			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	name	0..1	None
	type	1..1	Information.Agency, Information.Instrument, Information.Instrument_Host, Information.Investigation, Information.Node, Information.Person, Information.Resource, Information.Science_Portal, Information.Target, System.Browse, System.Directory_Listing, System.Registry_Query, System.Search, System.Transform, System.Transport
	url	1..1	None
	description	1..1	None

Support classes in the  
common (pds) namespace.

<b>Name: Resource</b>			<b>Version Id: 1.0.0.0</b>
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	data_object	1..1	Conceptual_Object
<i>Referenced from:</i> Product_Context			

## SIP\_Deep\_Archive

<b>Name: SIP_Deep_Archive</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The SIP Deep Archive class is a Submission Information Package (SIP) for the NASA planetary science deep archive.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Tagged_NonDigital_Object :: TNDO_Supplemental :: Information_Package :: SIP_Deep_Archive			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	description	1..1	None
	provider_site_id	1..1	None
<i>No Associations</i>			
<i>Referenced from:</i> Product_SIP_Deep_Archive			

## SPICE\_Kernel

<b>Name: SPICE_Kernel</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The SPICE Kernel class describes a SPICE object.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Tagged_Digital_Object :: Byte_Stream :: Parsable_Byte_Stream :: SPICE_Kernel			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	name	0..1	None
	local_identifier	0..1	None
	offset	1..1	None
	object_length	0..1	None
	parsing_standard_id	1..1	SPICE
	description	0..1	None
	kernel_type	1..1	CK, DBK, DSK, EK, FK, IK, LSK, MK, PCK, SCLK, SPK
	encoding_type	1..1	Binary, Character
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	data_object	1..1	Digital_Object
<i>Referenced from:</i> File_Area_SPICE_Kernel			

## SPICE\_Kernel\_Object

<b>Name: SPICE_Kernel_Object</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The SPICE Kernel Object defines a Supplemental Object that provides navigation ancillary information.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Data_Object :: Digital_Object :: Supplemental_Object :: SPICE_Kernel_Object			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	bit_string	1..1	None
<i>No Associations</i>			
<i>Referenced from:</i> None			

## Science\_Facets

<b>Name: Science_Facets</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The Science_Facets class contains the science-related search facets. It is optional and may be repeated if an product has facets related to, for example, two different disciplines (as defined by the discipline_name facet). Note that Science_Facets was modeled with Discipline_Facets as a component and Discipline_Facets was modeled with Group_Facet1 and Group_Facet2 as components. This dependency hierarchy was flattened and only Science_Facets exists in the schema.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Product_Components :: Science_Facets			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	wavelength_range	0..Unbounded	Far Infrared, Gamma Ray, Infrared, Microwave, Millimeter, Near Infrared, Radio, Submillimeter, Ultraviolet, Visible, X-ray
	domain	0..Unbounded	Atmosphere, Heliosphere, Interior, Interstellar, Ionosphere, Magnetosphere, Surface
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	has_Discipline_Facets	1..1	Discipline_Facets
<i>Referenced from:</i> Primary_Result_Summary			

## Service

<b>Name: Service</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The Service class provides a description of a web service or tool.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Tagged_NonDigital_Object :: TNDO_Context :: Service			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>

Support classes in the  
common (pds) namespace.

<b>Name: Service</b>			<b>Version Id: 1.0.0.0</b>
	name	1..1	None
	abstract_desc	1..1	None
	version_id	0..1	None
	url	1..Unbounded	None
	release_date	0..1	None
	service_type	1..1	Service, Tool
	interface_type	0..Unbounded	API, Command-Line, GUI, Service
	category	1..Unbounded	Analysis, Design, Dissemination, Generation, Planning, Reader, Search, Transformation, Validation, Visualization
	software_language	0..Unbounded	None
	supported_operating_system_note	0..1	None
	system_requirements_note	0..1	None
	description	0..1	None
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	data_object	1..1	Conceptual_Object
<i>Referenced from:</i> Product_Service			

## Service\_Description

<b>Name: Service_Description</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The Service Description class defines a file that contains a standardized service specification.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Tagged_Digital_Object :: Byte_Stream :: Parsable_Byte_Stream :: Service_Description			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	name	0..1	None
	local_identifier	0..1	None
	offset	1..1	None
	object_length	0..1	None
	parsing_standard_id	1..1	WADL, WSDL 2.n
	description	0..1	None
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	data_object	1..1	Digital_Object
<i>Referenced from:</i> File_Area_Service_Description			

## Software

<b>Name: Software</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The Software class describes a software product			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Tagged_NonDigital_Object :: TNDO_Supplemental :: Software			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	name	1..1	None
	software_version_id	1..1	None
	version_id *Deprecated*	0..1	None
	author_list	0..1	None
	programmers_manual_id	1..1	None
	software_id	1..1	None
	software_type	1..1	None
	users_manual_id	1..1	None
	description	1..1	None
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	data_object	1..1	Digital_Object
<i>Referenced from:</i> Product_Software			

## Software\_Binary

<b>Name: Software_Binary</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The Software Binary class provides a description of a software code that is stored as a compiled binary file.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Tagged_NonDigital_Object :: TNDO_Supplemental :: Software_Binary			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	files	1..1	None
	os_version	1..Unbounded	None
	program_notes_id	1..1	None
	software_format_type	1..1	None
	supported_architecture_note	1..Unbounded	None
	supported_operating_system_note	1..Unbounded	None
	system_requirements_note	1..1	None
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	data_object	1..1	Digital_Object
<i>Referenced from:</i> Product_Software			



## Software\_Script

<b>Name: Software_Script</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The Software Script class provides a description of a software code that is stored as a script.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Tagged_NonDigital_Object :: TNDO_Supplemental :: Software_Script			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	files	1..1	None
	install_note	1..1	None
	supported_environment_note	1..1	None
	system_requirements_note	1..1	None
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	data_object	1..1	Digital_Object
<i>Referenced from:</i> Product_Software			

## Software\_Source

<b>Name: Software_Source</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The Software Source class provides a description of a software code that is stored as source code.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Tagged_NonDigital_Object :: TNDO_Supplemental :: Software_Source			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	compile_note	1..1	None
	files	1..1	None
	os_version	1..1	None
	program_notes_id	1..1	None
	software_dialect	1..1	None
	software_format_type	1..1	None
	software_language	1..1	None
	supported_architecture_note	1..Unbounded	None
	supported_operating_system_note	1..Unbounded	None
	system_requirements_note	1..1	None
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	data_object	1..1	Digital_Object
<i>Referenced from:</i> Product_Software			

## Special\_Constants

<b>Name: Special_Constants</b>			<b>Version Id: 1.1.0.0</b>
<i>Description:</i> The Special Constants class provides a set of values used to indicate special cases that occur in the data.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Tagged_Digital_Child :: Special_Constants			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	saturated_constant	0..1	None
	missing_constant	0..1	None
	error_constant	0..1	None
	invalid_constant	0..1	None
	unknown_constant	0..1	None
	not_applicable_constant	0..1	None
	valid_maximum	0..1	None
	high_instrument_saturation	0..1	None
	high_representation_saturation	0..1	None
	valid_minimum	0..1	None
	low_instrument_saturation	0..1	None
	low_representation_saturation	0..1	None
<i>No Associations</i>			
<i>Referenced from:</i> Array, Array_1D *Deprecated*, Array_2D, Array_2D_Image, Array_2D_Map, Array_2D_Spectrum, Array_3D, Array_3D_Image, Array_3D_Movie, Array_3D_Spectrum, Field_Binary, Field_Bit, Field_Character, Field_Delimited			

## Stream\_Text

<b>Name: Stream_Text</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The Stream text class defines a text object.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Tagged_Digital_Object :: Byte_Stream :: Parsable_Byte_Stream :: Stream_Text			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	name	0..1	None
	local_identifier	0..1	None
	offset	1..1	None
	object_length	0..1	None
	parsing_standard_id	1..1	7-Bit ASCII Text, UTF-8 Text
	description	0..1	None

Support classes in the  
common (pds) namespace.

<b>Name: Stream_Text</b>			<b>Version Id: 1.0.0.0</b>
	record_delimiter	1..1	Carriage-Return Line-Feed, carriage-return line-feed
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	data_object	1..1	Digital_Object
<i>Referenced from:</i> File_Area_Ancillary, File_Area_Browse, File_Area_Observational, File_Area_Observational_Supplemental, File_Area_Text			

## Submission\_Information\_Package

<b>Name: Submission_Information_Package</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The Submission Information Package (SIP) class is an Information Package that is delivered by a Data Provider to an archive that conforms to the Open Archive Information System (OAIS) Reference Model for use in the construction of one or more AIPs.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Tagged_NonDigital_Object :: TNDO_Supplemental :: Information_Package :: Submission_Information_Package			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	description	1..1	None
<i>No Associations</i>			
<i>Referenced from:</i> Product_SIP			

## Supplemental\_Object

<b>Name: Supplemental_Object</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The Supplemental Object defines a Digital Object that is supplementary to an Observational Object.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Data_Object :: Digital_Object :: Supplemental_Object			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	bit_string	1..1	None
<i>No Associations</i>			
<i>Referenced from:</i> None			

## Symbolic\_Literals\_PDS

<b>Name: Symbolic_Literals_PDS</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The Symbolic_Literals_PDS class is used to collect orphan attributes for the pds namespace. These attributes are members by default of the USER class but not members of any domain class.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Tagged_NonDigital_Object :: TNDO_Supplemental :: Symbolic_Literals_PDS			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>

Support classes in the  
common (pds) namespace.

<b>Name: Symbolic_Literals_PDS</b>			<b>Version Id: 1.0.0.0</b>
	nil_reason	0..1	anticipated, inapplicable, missing, unknown
<i>No Associations</i>			
<i>Referenced from: None</i>			

## TNDO\_Context

<b>Name: TNDO_Context</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The Tagged NonDigital Object (TNDO) Context class is an abstract class for the context class hierarchy.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Role:</i> abstract	<i>Status:</i> Active
<i>Class Hierarchy:</i> Tagged_NonDigital_Object :: TNDO_Context			
<i>No Attributes</i>			
<i>No Associations</i>			
<i>Referenced from: None</i>			

## TNDO\_Supplemental

<b>Name: TNDO_Supplemental</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The Tagged NonDigital Object (TNDO) Supplemental class is an abstract class for the supplemental class hierarchy.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Role:</i> abstract	<i>Status:</i> Active
<i>Class Hierarchy:</i> Tagged_NonDigital_Object :: TNDO_Supplemental			
<i>No Attributes</i>			
<i>No Associations</i>			
<i>Referenced from: None</i>			

## Table\_Base

<b>Name: Table_Base</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The Table Base class defines a heterogeneous repeating record of scalars. The Table Base class is the parent class for all heterogeneous repeating record of scalars.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Role:</i> abstract	<i>Status:</i> Active
<i>Class Hierarchy:</i> Tagged_Digital_Object :: Byte_Stream :: Table_Base			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	name	0..1	None
	local_identifier	0..1	None
	offset	1..1	None
	records	1..1	None
	description	0..1	None
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	data_object	1..1	Digital_Object

Support classes in the  
common (pds) namespace.

<b>Name: Table_Base</b>	<b>Version Id: 1.0.0.0</b>
<i>Referenced from:</i> None	

## Table\_Binary

<b>Name: Table_Binary</b>		<b>Version Id: 1.1.0.0</b>	
<i>Description:</i> The Table Binary class is an extension of table base and defines a simple binary table.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Tagged_Digital_Object :: Byte_Stream :: Table_Base :: Table_Binary			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	name	0..1	None
	local_identifier	0..1	None
	offset	1..1	None
	records	1..1	None
	description	0..1	None
	record_delimiter *Deprecated*	0..1	None
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	data_object	1..1	Digital_Object
	uniformly_sampled	0..1	Uniformly_Sampled
	has_Record	1..1	Record_Binary
<i>Referenced from:</i> File_Area_Ancillary, File_Area_Browse, File_Area_Observational, File_Area_Observational_Supplemental			

## Table\_Character

<b>Name: Table_Character</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The Table Character class is an extension of table base and defines a simple character table.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Tagged_Digital_Object :: Byte_Stream :: Table_Base :: Table_Character			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	name	0..1	None
	local_identifier	0..1	None
	offset	1..1	None
	records	1..1	None
	description	0..1	None
	record_delimiter	1..1	Carriage-Return Line-Feed, carriage-return line-feed
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	data_object	1..1	Digital_Object
	uniformly_sampled	0..1	Uniformly_Sampled
	has_Record	1..1	Record_Character

Support classes in the  
common (pds) namespace.

<b>Name: Table_Character</b>	<b>Version Id: 1.0.0.0</b>
<i>Referenced from:</i> File_Area_Ancillary, File_Area_Browse, File_Area_Observational, File_Area_Observational_Supplemental, File_Area_Update	

## Table\_Delimited

<b>Name: Table_Delimited</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The Table_Delimited class defines a simple table (spreadsheet) with delimited fields and records.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Tagged_Digital_Object :: Byte_Stream :: Parsable_Byte_Stream :: Table_Delimited			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	name	0..1	None
	local_identifier	0..1	None
	offset	1..1	None
	object_length	0..1	None
	parsing_standard_id	1..1	PDS DSV 1
	description	0..1	None
	records	1..1	None
	record_delimiter	1..1	Carriage-Return Line-Feed, carriage-return line-feed
	field_delimiter	1..1	Comma, Horizontal Tab, Semicolon, Vertical Bar, comma, horizontal tab, semicolon, vertical bar
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	data_object	1..1	Digital_Object
	uniformly_sampled	0..1	Uniformly_Sampled
	has_delimited_record	1..1	Record_Delimited
<i>Referenced from:</i> File_Area_Ancillary, File_Area_Browse, File_Area_Observational, File_Area_Observational_Supplemental, File_Area_Update			

## Tagged\_Digital\_Child

<b>Name: Tagged_Digital_Child</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The Tagged Digital Child class is an abstract class for the components of classes in the tagged digital object class hierarchy.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Role:</i> abstract	<i>Status:</i> Active
<i>Class Hierarchy:</i> Tagged_Digital_Child			
<i>No Attributes</i>			
<i>No Associations</i>			
<i>Referenced from:</i> None			

## Tagged\_Digital\_Object

<b>Name: Tagged_Digital_Object</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The Tagged Digital Object class is an abstract class for the digital class hierarchy. A tagged object is an information object.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Role:</i> abstract	<i>Status:</i> Active
<i>Class Hierarchy:</i> Tagged_Digital_Object			
<i>No Attributes</i>			
<i>No Associations</i>			
<i>Referenced from:</i> None			

## Tagged\_NonDigital\_Child

<b>Name: Tagged_NonDigital_Child</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The Tagged NonDigital Child class is an abstract class for the components of classes in the tagged nondigital object class hierarchy.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Role:</i> abstract	<i>Status:</i> Active
<i>Class Hierarchy:</i> Tagged_NonDigital_Child			
<i>No Attributes</i>			
<i>No Associations</i>			
<i>Referenced from:</i> None			

## Tagged\_NonDigital\_Object

<b>Name: Tagged_NonDigital_Object</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The Tagged NonDigital Object class is an abstract class for the physical and conceptual class hierarchy. A tagged object is an information object.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Role:</i> abstract	<i>Status:</i> Active
<i>Class Hierarchy:</i> Tagged_NonDigital_Object			
<i>No Attributes</i>			
<i>No Associations</i>			
<i>Referenced from:</i> None			

## Target

<b>Name: Target</b>			<b>Version Id: 1.3.0.0</b>
<i>Description:</i> The Target class provides a description of a physical object that is the object of data collection.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Tagged_NonDigital_Object :: TNDO_Context :: Target			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	name	0..1	None
	type	0..Unbounded	Asteroid, Calibration, Comet, Dust, Dwarf

<b>Name: Target</b>			<b>Version Id: 1.3.0.0</b>
			Planet, Equipment, Galaxy, Globular Cluster, Lunar Sample, Meteorite, Meteoroid, Meteoroid Stream, Nebula, Open Cluster, Planet, Planetary Nebula, Planetary System, Plasma Cloud, Plasma Stream, Ring, Satellite, Star, Star Cluster, Sun, Synthetic Sample, Terrestrial Sample, Trans-Neptunian Object
	description	1..1	None
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	data_object	1..1	Physical_Object
<i>Referenced from:</i> Product_Context			

## Target\_Identification

<b>Name: Target_Identification</b>			<b>Version Id: 1.4.0.0</b>
<i>Description:</i> The Target_Identification class provides detailed target identification information.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Product_Components :: Target_Identification			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	name	1..1	None
	alternate_designation	0..Unbounded	None
	type	1..Unbounded	Asteroid, Calibration, Comet, Dust, Dwarf Planet, Equipment, Galaxy, Globular Cluster, Lunar Sample, Meteorite, Meteoroid, Meteoroid Stream, Nebula, Open Cluster, Planet, Planetary Nebula, Planetary System, Plasma Cloud, Plasma Stream, Ring, Satellite, Star, Star Cluster, Sun, Synthetic Sample, Terrestrial Sample, Trans-Neptunian Object
	description	0..1	None
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	internal_reference	0..1	Internal_Reference
<i>Referenced from:</i> Context_Area, Observation_Area			



## Telescope

<b>Name: Telescope</b>			<b>Version Id: 1.3.0.0</b>
<i>Description:</i> The Telescope class provides coordinates and parameters for terrestrial, ground-based telescopes.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Tagged_NonDigital_Object :: TNDO_Context :: Telescope			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	aperture	1..1	None
	telescope_longitude	0..1	None
	telescope_latitude	0..1	None
	telescope_altitude	0..1	None
	altitude *Deprecated*	0..1	None
	coordinate_source	0..1	None
	description	0..1	None
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	data_object	1..1	Physical_Object
<i>Referenced from:</i> Product_Context			

## Terminological\_Entry

<b>Name: Terminological_Entry</b>			<b>Version Id: 1.1.0.0</b>
<i>Description:</i> The terminological_entry class provides the name (designation) and definition of the attribute in a specified natural language.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Tagged_NonDigital_Child :: Terminological_Entry			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	name	1..1	None
	definition	1..1	None
	language	1..1	English, Russian
	preferred_flag	1..1	None
	instance_id	0..1	None
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	source	0..Unbounded	External_Reference_Extended
<i>Referenced from:</i> DD_Attribute, DD_Attribute_Full, DD_Class, DD_Class_Full, DD_Permissible_Value, DD_Permissible_Value_Full			

## Time\_Coordinates

<b>Name: Time_Coordinates</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The Time_Coordinates class provides a list of time coordinates.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Product_Components :: Time_Coordinates			

<b>Name: Time_Coordinates</b>			<b>Version Id: 1.0.0.0</b>
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	start_date_time	1..1	None
	stop_date_time	1..1	None
	local_mean_solar_time	0..1	None
	local_true_solar_time	0..1	None
	solar_longitude	0..1	None
<i>No Associations</i>			
<i>Referenced from:</i> Context_Area, Observation_Area			

## Transfer\_Manifest

<b>Name: Transfer_Manifest</b>			<b>Version Id: 1.1.0.0</b>
<i>Description:</i> The Transfer_Manifest class defines a table that maps product LIDVIDs to the file_specification_names of the products' XML label files.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Tagged_Digital_Object :: Byte_Stream :: Table_Base :: Table_Character :: Transfer_Manifest			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	name	0..1	None
	local_identifier	0..1	None
	offset	1..1	None
	records	1..1	None
	description	0..1	None
	record_delimiter	1..1	Carriage-Return Line-Feed, carriage-return line-feed
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	data_object	1..1	Digital_Object
	uniformly_sampled	0..1	Uniformly_Sampled
	has_Record	1..1	Record_Character
<i>Referenced from:</i> File_Area_Transfer_Manifest			

## Uniformly\_Sampled

<b>Name: Uniformly_Sampled</b>			<b>Version Id: 1.1.0.0</b>
<i>Description:</i> The Uniformly_Sampled class provides parameters for a uniformly sampled table.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Tagged_Digital_Child :: Uniformly_Sampled			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	sampling_parameter_name	1..1	None
	sampling_parameter_interval	1..1	None

Support classes in the  
common (pds) namespace.

<b>Name: Uniformly_Sampled</b>			<b>Version Id: 1.1.0.0</b>
	sampling_parameter_unit	1..1	None
	first_sampling_parameter_value	1..1	None
	last_sampling_parameter_value	1..1	None
	sampling_parameter_scale	1..1	Exponential, Linear, Logarithmic
	sampling_parameter_base	0..1	None
	sampling_parameters	1..1	None
<i>No Associations</i>			
<i>Referenced from:</i> Inventory, Manifest_SIP_Deep_Archive, Table_Binary, Table_Character, Table_Delimited, Transfer_Manifest			

## Update

<b>Name: Update</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The Update class consists of update information.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Tagged_NonDigital_Object :: TNDO_Supplemental :: Update			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	local_identifier	0..1	None
	update_purpose	1..1	Update Label Metadata, Update Supplemental Metadata
	description	0..1	None
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	data_object	1..1	Conceptual_Object
	update_entry	1..Unbounded	Update_Entry
<i>Referenced from:</i> Product_Update			

## Update\_Entry

<b>Name: Update_Entry</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The Update Entry class provides the date and description of an update.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Product_Components :: Update_Entry			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	date_time	1..1	None
	full_name	1..1	None
	description	1..1	None
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	internal_reference	0..1	Internal_Reference

<b>Name: Update_Entry</b>	<b>Version Id: 1.0.0.0</b>
<i>Referenced from:</i> Update	

## Update\_Object

<b>Name: Update_Object</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The Update Object defines a Supplemental Object that is used to update an other Objects.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Data_Object :: Digital_Object :: Supplemental_Object :: Update_Object			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	bit_string	1..1	None
<i>No Associations</i>			
<i>Referenced from:</i> None			

## Vector

<b>Name: Vector</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The Vector class provides the components of either a velocity or position vector.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Tagged_NonDigital_Object :: TNDO_Supplemental :: Vector			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	name	1..1	None
	local_identifier	0..1	None
	type	1..1	Acceleration, Pointing, Position, Velocity
	data_type	1..1	ASCII_Real
	reference_frame_id	1..1	ICRF, MOON_ME_DE421
	vector_components	1..1	None
	description	1..1	None
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	data_object	1..1	Conceptual_Object
	vector_component	1..Unbounded	Vector_Component
<i>Referenced from:</i> Geometry *Deprecated*			

## Vector\_Cartesian\_3

<b>Name: Vector_Cartesian_3</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The Vector_Cartesian_3_Base class is the parent class of 3 element Cartesian vectors.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Tagged_NonDigital_Object :: TNDO_Supplemental :: Vector_Cartesian_3			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>

Support classes in the  
common (pds) namespace.

<b>Name: Vector_Cartesian_3</b>			<b>Version Id: 1.0.0.0</b>
	reference_frame_id	1..1	ICRF, MOON_ME_DE421
	x	1..1	None
	y	1..1	None
	z	1..1	None
<i>No Associations</i>			
<i>Referenced from: None</i>			

## Vector\_Cartesian\_3\_Acceleration

<b>Name: Vector_Cartesian_3_Acceleration</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The Vector_Cartesian_3_Acceleration class is a 3 element Cartesian vector for acceleration coordinates.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Tagged_NonDigital_Object :: TNDO_Supplemental :: Vector_Cartesian_3 :: Vector_Cartesian_3_Acceleration			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	reference_frame_id	1..1	ICRF, MOON_ME_DE421
	x	1..1	None
	y	1..1	None
	z	1..1	None
<i>No Associations</i>			
<i>Referenced from: None</i>			

## Vector\_Cartesian\_3\_Pointing

<b>Name: Vector_Cartesian_3_Pointing</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The Vector_Cartesian_3_Pointing class is a 3 element normalized Cartesian vector for pointing.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Tagged_NonDigital_Object :: TNDO_Supplemental :: Vector_Cartesian_3 :: Vector_Cartesian_3_Pointing			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	reference_frame_id	1..1	ICRF, MOON_ME_DE421
	x	1..1	None
	y	1..1	None
	z	1..1	None
<i>No Associations</i>			
<i>Referenced from: None</i>			

## Vector\_Cartesian\_3\_Position

<b>Name: Vector_Cartesian_3_Position</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The Vector_Cartesian_3_Position class is a 3 element Cartesian vector for position coordinates.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Tagged_NonDigital_Object :: TNDO_Supplemental :: Vector_Cartesian_3 :: Vector_Cartesian_3_Position			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	reference_frame_id	1..1	ICRF, MOON_ME_DE421
	x	1..1	None
	y	1..1	None
	z	1..1	None
<i>No Associations</i>			
<i>Referenced from:</i> None			

## Vector\_Cartesian\_3\_Velocity

<b>Name: Vector_Cartesian_3_Velocity</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The Vector_Cartesian_3_Velocity class is a 3 element Cartesian vector for velocity coordinates.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Tagged_NonDigital_Object :: TNDO_Supplemental :: Vector_Cartesian_3 :: Vector_Cartesian_3_Velocity			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	reference_frame_id	1..1	ICRF, MOON_ME_DE421
	x	1..1	None
	y	1..1	None
	z	1..1	None
<i>No Associations</i>			
<i>Referenced from:</i> None			

## Vector\_Component

<b>Name: Vector_Component</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The Vector_Component class provides a component of a vector.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Tagged_NonDigital_Child :: Vector_Component			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	name	0..1	None
	unit	0..1	None
	value	1..1	None

Support classes in the  
common (pds) namespace.

<b>Name: Vector_Component</b>			<b>Version Id: 1.0.0.0</b>
	sequence_number	1..1	None
	description	0..1	None
<i>No Associations</i>			
<i>Referenced from: Vector</i>			

## XML\_Schema

<b>Name: XML_Schema</b>			<b>Version Id: 1.2.0.0</b>
<i>Description:</i> The XML Schema class defines a resource used for the PDS4 implementation into XML.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Tagged_Digital_Object :: Byte_Stream :: Parsable_Byte_Stream :: XML_Schema			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	name	0..1	None
	local_identifier	0..1	None
	offset	1..1	None
	object_length	0..1	None
	parsing_standard_id	1..1	Schematron ISO/IEC 19757-3:2006, XML Schema Version 1.1
	description	0..1	None
	ldd_version_id	0..1	None
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	data_object	1..1	Digital_Object
<i>Referenced from: File_Area_XML_Schema</i>			

## Zip

<b>Name: Zip</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The Zip class describes a zip file.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Tagged_NonDigital_Object :: TNDO_Supplemental :: Zip			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	container_type	1..1	GZIP, LZIP, TAR, ZIP
	description	1..1	None
<i>No Associations</i>			
<i>Referenced from: Product_Zipped</i>			

# Chapter 4. PDS3 catalog classes in the common (pds) namespace.

These classes are used to archive PDS3 catalog information.

## Data\_Set\_PDS3

<b>Name: Data_Set_PDS3</b>			<b>Version Id: 1.1.0.0</b>
<i>Description:</i> The Data Set PDS3 class is used to capture the data set information from the PDS3 Data Set Catalog.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Tagged_NonDigital_Object :: TNDO_Context_PDS3 :: Data_Set_PDS3			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	data_set_id	1..1	None
	data_set_name	1..1	None
	data_set_release_date	1..1	None
	start_time	0..1	None
	start_date_time *Deprecated*	0..1	None
	stop_time	0..1	None
	stop_date_time *Deprecated*	0..1	None
	producer_full_name	1..1	None
	citation_text	1..1	None
	data_set_terse_desc	1..1	None
	abstract_desc	1..1	None
	data_set_desc	1..1	None
	confidence_level_note	1..1	None
	archive_status	1..1	ARCHIVED, ARCHIVED_ ACCUMULATING, IN_LIEN_ RESOLUTION, IN_ LIEN_RESOLUTION_ ACCUMULATING, IN_PEER_REVIEW, IN_PEER_REVIEW_ ACCUMULATING, IN_QUEUE, IN_QUEUE_ ACCUMULATING, LOCALLY_ ARCHIVED, LOCALLY_ ARCHIVED_ ACCUMULATING, PRE_PEER_ REVIEW, PRE_



<b>Name: Data_Set_PDS3</b>			<b>Version Id: 1.1.0.0</b>
			PEER_REVIEW_ ACCUMULATING, SAFED, SUPERSEDED
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	data_object	1..1	Conceptual_Object, Physical_Object
	nssdc	0..Unbounded	NSSDC
<i>Referenced from:</i> Product_Data_Set_PDS3			

## Instrument\_Host\_PDS3

<b>Name: Instrument_Host_PDS3</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The Instrument Host class provides a description of the physical object upon which an instrument is mounted. This class captures the PDS3 catalog Instrument Host information.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Tagged_NonDigital_Object :: TNDO_Context_PDS3 :: Instrument_Host_PDS3			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	instrument_host_name	1..1	None
	instrument_host_desc	1..1	None
	instrument_host_id	1..1	None
	instrument_host_type	1..1	None
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	data_object	1..1	Physical_Object
<i>Referenced from:</i> Product_Instrument_Host_PDS3			

## Instrument\_PDS3

<b>Name: Instrument_PDS3</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The Instrument class provides a description of a physical object that collects data. This class captures the PDS3 catalog Instrument information.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Tagged_NonDigital_Object :: TNDO_Context_PDS3 :: Instrument_PDS3			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	instrument_name	1..1	None
	instrument_desc	1..1	None
	instrument_id	1..1	None
	instrument_serial_ number	1..1	None
	instrument_type	1..1	None
	instrument_version_id	1..1	None
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	data_object	1..1	Physical_Object
<i>Referenced from:</i> Product_Instrument_PDS3			

## Mission\_PDS3

<b>Name: Mission_PDS3</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The Mission PDS3 class describes an activity involved in the collection of data. This class captures the PDS3 catalog Mission information.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Tagged_NonDigital_Object :: TNDO_Context_PDS3 :: Mission_PDS3			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	mission_name	1..1	None
	mission_desc	1..1	None
	mission_objectives_summary	1..1	None
	mission_start_date	1..1	None
	mission_stop_date	1..1	None
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	data_object	1..1	Conceptual_Object
<i>Referenced from:</i> Product_Mission_PDS3			

## Subscriber\_PDS3

<b>Name: Subscriber_PDS3</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The Subscriber PDS3 class provides the name of the subscriber and their subscription list.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Tagged_NonDigital_Object :: TNDO_Context_PDS3 :: Subscriber_PDS3			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	full_name	1..1	None
	local_identifier	0..1	None
	subscription_id	1..Unbounded	None
<i>No Associations</i>			
<i>Referenced from:</i> Product_Subscription_PDS3			

## TNDO\_Context\_PDS3

<b>Name: TNDO_Context_PDS3</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The Tagged NonDigital Object (TNDO) Context PDS3 class is an abstract class for the PDS3 context class hierarchy.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Tagged_NonDigital_Object :: TNDO_Context_PDS3			
<i>No Attributes</i>			
<i>No Associations</i>			
<i>Referenced from:</i> None			

## Target\_PDS3

<b>Name: Target_PDS3</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The Target class provides a description of a physical object that is the object of data collection. This class captures the PDS3 catalog Target information.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Tagged_NonDigital_Object :: TNDO_Context_PDS3 :: Target_PDS3			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	target_name	1..1	None
	orbit_direction	0..Unbounded	None
	primary_body_name	1..1	None
	rotation_direction	0..1	None
	target_desc	1..1	None
	target_type	1..1	None
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	data_object	1..1	Physical_Object
<i>Referenced from:</i> Product_Target_PDS3			

## Volume\_PDS3

<b>Name: Volume_PDS3</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The Volume_PDS3 class is used to capture the volume information from the PDS3 Data Set Catalog.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Tagged_NonDigital_Object :: TNDO_Context_PDS3 :: Volume_PDS3			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	archive_status	1..1	ARCHIVED, ARCHIVED_ ACCUMULATING, IN_LIEN_ RESOLUTION, IN_ LIEN_RESOLUTION_ ACCUMULATING, IN_PEER_REVIEW, IN_PEER_REVIEW_ ACCUMULATING, IN_QUEUE, IN_QUEUE_ ACCUMULATING, LOCALLY_ ARCHIVED, LOCALLY_ ARCHIVED_ ACCUMULATING, PRE_PEER_ REVIEW, PRE_ PEER_REVIEW_ ACCUMULATING,

<b>Name: Volume_PDS3</b>			<b>Version Id: 1.0.0.0</b>
			SAFED, SUPERSEDED
	archive_status_note	1..1	None
	curating_node_id	0..Unbounded	None
	medium_type	1..1	None
	publication_date	1..1	None
	volume_de_fullname	1..1	None
	volume_format	1..1	None
	volume_id	1..1	None
	volume_name	1..1	None
	volume_set_id	1..1	None
	volume_size	1..1	None
	volume_version_id	1..1	None
	description	0..1	None
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	data_object	1..1	Conceptual_Object, Physical_Object
<i>Referenced from:</i> Product_Volume_PDS3			

## Volume\_Set\_PDS3

<b>Name: Volume_Set_PDS3</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The Volume_Set_PDS3 class is used to capture the volume set information from the PDS3 Data Set Catalog.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Tagged_NonDigital_Object :: TNDO_Context_PDS3 :: Volume_Set_PDS3			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	volume_series_name	1..1	None
	volume_set_id	1..1	None
	volume_set_name	1..1	None
	volumes	1..1	None
	description	0..1	None
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	data_object	1..1	Conceptual_Object, Physical_Object
<i>Referenced from:</i> Product_Volume_Set_PDS3			

# Chapter 5. Classes in the Rings discipline namespace.

These classes have been defined for the Rings science discipline and can be used in the label's discipline area.

## NAIF\_Supplement

<b>Name: NAIF_Supplement</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> This class is required for NAIF attributes that are to be used across disciplines.			
<i>Namespace Id:</i> rings	<i>Steward:</i> rings	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Product_Components :: NAIF_Supplement			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	spice_kernel_file_name	0..1	None
<i>No Associations</i>			
<i>Referenced from:</i> None			

## Radio\_Occultation

<b>Name: Radio_Occultation</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> This class is required for all radio ring occultations			
<i>Namespace Id:</i> rings	<i>Steward:</i> rings	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Product_Components :: Radio_Occultation			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	ring_observation_id	1..1	None
	orbit_number	0..Unbounded	None
	SCLK_start_time	0..1	None
	SCLK_stop_time	0..1	None
	occultation_type	1..1	Radio, Solar, Stellar
	dsn_station_number	1..1	None
	source_pds3_id	0..Unbounded	None
	frequency_band	1..1	C, D, E, F, G, H, K, Ka, Ku, Q, R, S, U, V, W, X, Y
	ring_occultation_direction	1..1	Both, Egress, Ingress, Multiple
	ring_profile_direction	1..1	Egress, Ingress, Multiple
	planetary_occultation_flag	0..1	N, Y
	wavelength	0..1	None
	minimum_wavelength	0..1	None
	reference_time_utc	1..1	None
	maximum_wavelength	0..1	None

Classes in the Rings  
discipline namespace.

<b>Name: Radio_Occultation</b>			<b>Version Id: 1.0.0.0</b>
	radial_resolution	1..1	None
	radial_sampling_interval	0..1	None
	minimum_radial_sampling_interval	0..1	None
	maximum_radial_sampling_interval	0..1	None
	observed_event_start_tdb	0..1	None
	observed_event_stop_tdb	0..1	None
	spacecraft_event_start_time_utc	1..1	None
	spacecraft_event_stop_time_utc	1..1	None
	ring_event_start_time_utc	0..1	None
	ring_event_stop_time_utc	0..1	None
	ring_event_start_tdb	0..1	None
	ring_event_stop_tdb	0..1	None
	earth_received_start_time_utc	0..1	None
	earth_received_stop_time_utc	0..1	None
	minimum_ring_radius	1..1	None
	maximum_ring_radius	1..1	None
	minimum_ring_longitude	1..1	None
	maximum_ring_longitude	1..1	None
	minimum_observed_ring_azimuth	1..1	None
	maximum_observed_ring_azimuth	1..1	None
	observed_ring_elevation	0..1	None
	minimum_observed_ring_elevation	0..1	None
	maximum_observed_ring_elevation	0..1	None
	light_source_incidence_angle	0..1	None
	minimum_light_source_incidence_angle	0..1	None
	maximum_light_source_incidence_angle	0..1	None

<b>Name: Radio_Occultation</b>			<b>Version Id: 1.0.0.0</b>
	lowest_detectable_opacity	0..1	None
	highest_detectable_opacity	0..1	None
	along_track_timing_offset	0..1	None
<i>No Associations</i>			
<i>Referenced from: None</i>			

## Radio\_Occultation\_Support

<b>Name: Radio_Occultation_Support</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> This class is required for all radio ring occultation calibration and geometry supplemental files.			
<i>Namespace Id:</i> rings	<i>Steward:</i> rings	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Product_Components :: Radio_Occultation_Support			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	ring_observation_id	1..1	None
	orbit_number	0..Unbounded	None
	spice_filename	0..Unbounded	None
	occultation_type	1..1	Radio, Solar, Stellar
	dsn_station_number	1..1	None
	frequency_band	1..1	C, D, E, F, G, H, K, Ka, Ku, Q, R, S, U, V, W, X, Y
	ring_occultation_direction	1..1	Both, Egress, Ingress, Multiple
	ring_profile_direction	1..1	Egress, Ingress, Multiple
	planetary_occultation_flag	0..1	N, Y
	sampling_parameter_name	1..1	None
	sampling_parameter_unit	1..1	None
	sampling_parameter_interval	1..1	None
	reference_time_utc	1..1	None
	minimum_observed_event_time	1..1	None
	maximum_observed_event_time	1..1	None
<i>No Associations</i>			
<i>Referenced from: None</i>			

## Rings\_Supplement

<b>Name: Rings_Supplement</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> This class is required for all Rings Node curated data products			
<i>Namespace Id:</i> rings	<i>Steward:</i> rings	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Product_Components :: Rings_Supplement			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	ring_observation_id	1..1	None
	source_pds3_id	0..Unbounded	None
<i>No Associations</i>			
<i>Referenced from:</i> None			

## Stellar\_Occultation

<b>Name: Stellar_Occultation</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> This class is required for all stellar ring occultations			
<i>Namespace Id:</i> rings	<i>Steward:</i> rings	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Product_Components :: Stellar_Occultation			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	ring_observation_id	1..1	None
	orbit_number	0..Unbounded	None
	SCLK_start_time	0..1	None
	SCLK_stop_time	0..1	None
	occultation_type	1..1	Radio, Solar, Stellar
	source_pds3_id	0..Unbounded	None
	ring_occultation_direction	1..1	Both, Egress, Ingress, Multiple
	star_name	1..1	None
	ring_profile_direction	1..1	Egress, Ingress, Multiple
	planetary_occultation_flag	0..1	N, Y
	wavelength	0..1	None
	minimum_wavelength	0..1	None
	maximum_wavelength	0..1	None
	radial_resolution	1..1	None
	radial_sampling_interval	0..1	None
	minimum_radial_sampling_interval	0..1	None
	maximum_radial_sampling_interval	0..1	None
	observed_event_start_tdb	0..1	None



Classes in the Rings  
discipline namespace.

<b>Name: Stellar_Occultation</b>			<b>Version Id: 1.0.0.0</b>
	observed_event_stop_tdb	0..1	None
	ring_event_start_time_utc	0..1	None
	ring_event_stop_time_utc	0..1	None
	ring_event_start_tdb	0..1	None
	ring_event_stop_tdb	0..1	None
	minimum_ring_radius	1..1	None
	maximum_ring_radius	1..1	None
	sub_stellar_ring_azimuth	0..1	None
	minimum_ring_longitude	1..1	None
	sub_stellar_clock_angle	0..1	None
	maximum_ring_longitude	1..1	None
	minimum_observed_ring_azimuth	1..1	None
	maximum_observed_ring_azimuth	1..1	None
	observed_ring_elevation	0..1	None
	minimum_observed_ring_elevation	0..1	None
	maximum_observed_ring_elevation	0..1	None
	light_source_incidence_angle	0..1	None
	lowest_detectable_opacity	0..1	None
	highest_detectable_opacity	0..1	None
<i>No Associations</i>			
<i>Referenced from:</i> None			

# Chapter 6. Classes in the Imaging discipline namespace.

These classes have been defined for the Imaging science discipline and can be used in the label's discipline area.

## Telemetry\_Parameters

<b>Name: Telemetry_Parameters</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The Telemetry_Parameters class contains downlink-related attributes used primarily during mission operations.			
<i>Namespace Id:</i> img	<i>Steward:</i> img	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Product_Components :: Telemetry_Parameters			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	application_process_id	0..1	None
	application_process_name	0..1	None
	earth_received_start_date_time	0..1	None
	earth_received_stop_date_time	0..1	None
	expected_packets	0..1	None
	packet_map_mask	0..1	None
	received_packets	0..1	None
	spice_file_name	0..1	None
	telemetry_format_id	0..1	None
	telemetry_provider_id	0..1	None
	telemetry_source_name	0..1	None
	telemetry_source_type	0..1	DATA_PRODUCT, SFDU
<i>No Associations</i>			
<i>Referenced from:</i> None			

---

# Chapter 7. Classes in the Display namespace.

This dictionary describes how to display Array data on a display device.

## Color\_Display\_Settings

<b>Name: Color_Display_Settings</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The Color_Display_Settings class provides guidance to data users on how to display a multi-banded Array object on a color-capable display device.			
<i>Namespace Id:</i> disp	<i>Steward:</i> img	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Product_Components :: Color_Display_Settings			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	color_display_axis	1..1	None
	comment	0..1	None
	red_channel_band	1..1	None
	green_channel_band	1..1	None
	blue_channel_band	1..1	None
<i>No Associations</i>			
<i>Referenced from:</i> Display_Settings			

## Display\_Direction

<b>Name: Display_Direction</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The Display_Direction class specifies how two of the dimensions of an Array object should be displayed in the vertical (line) and horizontal (sample) dimensions of a display device.			
<i>Namespace Id:</i> disp	<i>Steward:</i> img	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Product_Components :: Display_Direction			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	comment	0..1	None
	horizontal_display_axis	1..1	None
	horizontal_display_direction	1..1	Left to Right, Right to Left
	vertical_display_axis	1..1	None
	vertical_display_direction	1..1	Bottom to Top, Top to Bottom
<i>No Associations</i>			
<i>Referenced from:</i> Display_Settings			

## Display\_Settings

<b>Name: Display_Settings</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The Display_Settings class contains one or more classes describing how data should be displayed on a display device.			

<b>Name: Display_Settings</b>			<b>Version Id: 1.0.0.0</b>
Namespace Id: disp	Steward: img	Role: concrete	Status: Active
Class Hierarchy: Product_Components :: Display_Settings			
No Attributes			
Association(s)	Name	Cardinality	Class
	local_internal_reference	1..1	Local_Internal_Reference
	has_display_direction	1..1	Display_Direction
	has_color_display_settings	0..1	Color_Display_Settings
	has_movie_display_settings	0..1	Movie_Display_Settings
Referenced from: None			

## Movie\_Display\_Settings

<b>Name: Movie_Display_Settings</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The Movie_Display_Settings class provides default values for the display of a multi-banded Array using a software application capable of displaying video content.			
Namespace Id: disp	Steward: img	Role: concrete	Status: Active
Class Hierarchy: Product_Components :: Movie_Display_Settings			
Attribute(s)	Name	Cardinality	Value
	time_display_axis	1..1	None
	comment	0..1	None
	frame_rate	0..1	None
	loop_flag	0..1	false, true
	loop_count	0..1	None
	loop_delay	0..1	None
	loop_back_and_forth_flag	0..1	false, true
No Associations			
Referenced from: Display_Settings			

## Chapter 8. Attributes in the common (pds) namespace.

These attributes are used by the classes in the common (pds) namespace.

### abstract\_desc in Data\_Set\_PDS3

<b>Name: abstract_desc</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The abstract desc attribute provides a summary of a text, scientific article, or document.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> Data_Set_PDS3	<i>Type:</i> ASCII_Text_Preserved
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Description	<i>Conceptual Domain:</i> Text
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

### abstract\_desc in Service

<b>Name: abstract_desc</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The abstract desc attribute provides a summary of a text, scientific article, or document.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> Service	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> None
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

### abstract\_flag in DD\_Class

<b>Name: abstract_flag</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The abstract flag attribute indicates whether or not the class can be instantiated. Abstract flag is only included if a value of 'true' is desired and indicates that the class is abstract and cannot be used in a label.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> DD_Class	<i>Type:</i> ASCII_Boolean
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Flag	<i>Conceptual Domain:</i> Boolean
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## abstract\_flag in DD\_Class\_Full

<b>Name: abstract_flag</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The abstract flag attribute indicates whether or not the class can be instantiated. Abstract flag is only included if a value of 'true' is desired and indicates that the class is abstract and cannot be used in a label.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> DD_Class_Full	<i>Type:</i> ASCII_Boolean
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Flag	<i>Conceptual Domain:</i> Boolean
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## acknowledgement\_text in Document

<b>Name: acknowledgement_text</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The acknowledgement_text attribute is a character string which recognizes another's contribution, authority, or right.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Document	<i>Type:</i> ASCII_Text_Preserved
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Text	<i>Conceptual Domain:</i> Text
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## address in Facility

<b>Name: address</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The address attribute provides a mailing address.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Facility	<i>Type:</i> UTF8_Text_Preserved
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Address	<i>Conceptual Domain:</i> Text
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## affiliation\_type in PDS\_Affiliate

<b>Name: affiliation_type</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The affiliation type attribute describes the type of relationship an individual has with the PDS. Individuals with PDS affiliations are generally listed in the PDS Phone Book.			

<b>Name: affiliation_type</b>			<b>Version Id: 1.0.0.0</b>
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> PDS_Affiliate	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Type	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	Affiliate	The individual has a relationship with PDS that is more substantial than 'none' or 'data user' and is not described by one of the other enumerated values	
	Data Provider	The individual prepares and/or delivers data to PDS	
	Manager	The individual is a manager within PDS	
	Technical Staff	The individual works for PDS in a technical capacity.	

## aip\_label\_checksum in Information\_Package\_Component\_Deep\_Archive

<b>Name: aip_label_checksum</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The aip_label_checksum attribute provides the checksum for the Archival Information Package label.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> Information_Package_Component_Deep_Archive	<i>Type:</i> ASCII_MD5_Checksum
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 32	<i>Maximum Characters:</i> 32
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> [0-9a-fA-F]{32}	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## aip\_lidvid in Information\_Package\_Component\_Deep\_Archive

<b>Name: aip_lidvid</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The aip_lidvid attribute provides the logical_identifier plus version_id, which uniquely identifies a Archival Information Package.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> Information_Package_Component_Deep_Archive	<i>Type:</i> ASCII_LIDVID

<b>Name: aip_lidvid</b>			<b>Version Id: 1.0.0.0</b>
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 19	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## alternate\_designation in Target\_Identification

<b>Name: alternate_designation</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The alternate_designation attribute provides aliases.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Target_ Identification	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Name	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## alternate\_id in Alias

<b>Name: alternate_id</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The alternate_id attribute provides an additional identifier supplied by the data provider.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Alias	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> ID	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## alternate\_telephone\_number in PDS\_Affiliate

<b>Name: alternate_telephone_number</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The telephone_number attribute provides a telephone number in international notation in compliance with the E.164 telephone number format recommendation.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> PDS_Affiliate	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Number	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	



<b>Name: alternate_telephone_number</b>		<b>Version Id: 1.0.0.0</b>
Permissible Value(s)	No Values	

## alternate\_title in Alias

<b>Name: alternate_title</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The alternate_title attribute provides an alternate title for the product.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Alias	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Title	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
Permissible Value(s)	No Values		

## altitude in Telescope \*Deprecated\*

<b>Name: altitude *Deprecated*</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The altitude attribute provides the height of anything above a given reference plane.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Telescope	<i>Type:</i> ASCII_Real
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> Units_of_Length	<i>Default Unit Id:</i> m	<i>Attribute Concept:</i> Number	<i>Conceptual Domain:</i> Real
<i>Status:</i> Deprecated	<i>Nillable:</i> false	<i>Pattern:</i> None	
Permissible Value(s)	No Values		

## aperture in Telescope

<b>Name: aperture</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The aperture attribute provides the diameter of an opening, usually circular, that limits the quantity of light that can enter an optical instrument.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Telescope	<i>Type:</i> ASCII_Real
<i>Minimum Value:</i> 0	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> Units_of_Length	<i>Default Unit Id:</i> m	<i>Attribute Concept:</i> Number	<i>Conceptual Domain:</i> Real
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
Permissible Value(s)	No Values		

## archive\_status in Data\_Set\_PDS3

<b>Name: archive_status</b>		<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The ARCHIVE_STATUS attribute indicates the stage to which a data set has progressed in the archiving process, from IN QUEUE through ARCHIVED. It can also take on the values SUPERSEDED or SAFED, which indicate that the data set is not part of the active archive.		

Attributes in the common  
(pds) namespace.

<b>Name: archive_status</b>		<b>Version Id: 1.0.0.0</b>	
ACCUMULATING can be appended to some values to indicate that the data set is incomplete and/or that not all components have reached the stage given by the root value; ACCUMULATING would be used, for example, when the archive is being delivered incrementally, as from a mission that lasts many months or years.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> Data_Set_PDS3	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Status	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nilable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	ARCHIVED	Archive status of the PDS3 data set is ARCHIVED (passed peer review with all liens resolved. Available through the Data Set Catalog and at NSSDC).	
	ARCHIVED_ACCUMULATING	Archive status of the PDS3 data set is ARCHIVED_ACCUMULATING (some parts of the data set are ARCHIVED, but other parts are in earlier stages of the archiving process and/or have not yet been delivered to PDS; use with caution).	
	IN_LIEN_RESOLUTION	Archive status of the PDS3 data set is IN_LIEN_RESOLUTION (peer review completed; liens are in the process of being resolved; use with caution).	
	IN_LIEN_RESOLUTION_ACCUMULATING	Archive status of the PDS3 data set is IN_LIEN_RESOLUTION_ACCUMULATING (some parts of the data set are IN LIEN_RESOLUTION, but other parts are in earlier stages of the archiving process and/or have not yet been delivered to PDS; use with caution).	
	IN_PEER_REVIEW	Archive status of the PDS3 data set is IN_PEER_REVIEW (under peer review at the curation node but evaluation is not complete; use with caution).	
	IN_PEER_REVIEW_ACCUMULATING	Archive status of the PDS3 data set is IN_PEER_REVIEW_ACCUMULATING (some parts of the data set are IN PEER_REVIEW, but other parts are in earlier stages of the archiving process and/or have not yet been delivered to PDS; use with caution).	
	IN_QUEUE	Archive status of the PDS3 data set is IN_QUEUE (received at the curation node but no action has been taken by the curation node; use with caution).	
	IN_QUEUE_ACCUMULATING	Archive status of the PDS3 data set is IN_QUEUE_ACCUMULATING (some parts of the data set are IN_QUEUE, but other parts have not yet been delivered to PDS; use with caution).	

<i>Name:</i> archive_status		<i>Version Id:</i> 1.0.0.0
	LOCALLY_ARCHIVED	Archive status of the PDS3 data set is LOCALLY_ARCHIVED (passed peer review with all liens resolved; considered archived by the curation node but awaiting completion of the standard archiving process; possible TBD items include the arrival of the archive volume at NSSDC and ingestion of catalog information into the Data Set Catalog).
	LOCALLY_ARCHIVED_ACCUMULATING	Archive status of the PDS3 data set is LOCALLY_ARCHIVED_ACCUMULATING (some parts of the data set are LOCALLY_ARCHIVED, but other parts are in earlier stages of the archiving process and/or have not yet been delivered to PDS; use with caution).
	PRE_PEER_REVIEW	Archive status of the PDS3 data set is PRE_PEER_REVIEW (being prepared for peer review under the direction of the curation node; use with caution).'
	PRE_PEER_REVIEW_ACCUMULATING	Archive status of the PDS3 data set is PRE_PEER_REVIEW_ACCUMULATING (some parts of the data set are in PRE PEER REVIEW, but other parts are IN QUEUE and/or have not yet been delivered to PDS; use with caution).
	SAFED	Archive status of the PDS3 data set is SAFED (the data set has been received by the PDS with no evaluation; data will not be formally archived).
	SUPERSEDED	Archive status of the PDS3 data set is SUPERSEDED (this data set has been replaced by a newer version, implying that the data set is not to be used unless the requester has specific reasons; when a data set has been superseded the Engineering Node, will notify NSSDC that their databases need to be updated to advise users of the new status and the location of the replacement data set).

## archive\_status in Volume\_PDS3

<i>Name:</i> archive_status		<i>Version Id:</i> 1.0.0.0	
<i>Description:</i> The ARCHIVE_STATUS attribute indicates the stage to which a data set has progressed in the archiving process, from IN QUEUE through ARCHIVED. It can also take on the values SUPERSEDED or SAFED, which indicate that the data set is not part of the active archive. ACCUMULATING can be appended to some values to indicate that the data set is incomplete and/or that not all components have reached the stage given by the root value; ACCUMULATING would be used, for example, when the archive is being delivered incrementally, as from a mission that lasts many months or years.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> Volume_PDS3	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255

Attributes in the common  
(pds) namespace.

<b>Name: archive_status</b>			<b>Version Id: 1.0.0.0</b>
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Status	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	ARCHIVED	Archive status of the PDS3 volume is ARCHIVED (passed peer review with all liens resolved. Available through the Data Set Catalog and at NSSDC).	
	ARCHIVED_ACCUMULATING	Archive status of the PDS3 volume is ARCHIVED_ACCUMULATING (some parts of the volume are ARCHIVED, but other parts are in earlier stages of the archiving process and/or have not yet been delivered to PDS; use with caution).	
	IN_LIEN_RESOLUTION	Archive status of the PDS3 volume is IN_LIEN_RESOLUTION (peer review completed; liens are in the process of being resolved; use with caution).	
	IN_LIEN_RESOLUTION_ACCUMULATING	Archive status of the PDS3 volume is IN_LIEN_RESOLUTION_ACCUMULATING (some parts of the volume are IN LIEN_RESOLUTION, but other parts are in earlier stages of the archiving process and/or have not yet been delivered to PDS; use with caution).	
	IN_PEER_REVIEW	Archive status of the PDS3 volume is IN_PEER_REVIEW (under peer review at the curation node but evaluation is not complete; use with caution).	
	IN_PEER_REVIEW_ACCUMULATING	Archive status of the PDS3 volume is IN_PEER_REVIEW_ACCUMULATING (some parts of the volume are IN PEER REVIEW, but other parts are in earlier stages of the archiving process and/or have not yet been delivered to PDS; use with caution).	
	IN_QUEUE	Archive status of the PDS3 volume is IN_QUEUE (received at the curation node but no action has been taken by the curation node; use with caution).	
	IN_QUEUE_ACCUMULATING	Archive status of the PDS3 volume is IN_QUEUE_ACCUMULATING (some parts of the volume are IN_QUEUE, but other parts have not yet been delivered to PDS; use with caution).	
	LOCALLY_ARCHIVED	Archive status of the PDS3 volume is LOCALLY_ARCHIVED (passed peer review with all liens resolved; considered archived by the curation node but awaiting completion of the standard archiving process; possible TBD items include the arrival of the archive volume at NSSDC and ingestion of catalog information into the Data Set Catalog).	

<b>Name: archive_status</b>		<b>Version Id: 1.0.0.0</b>
	LOCALLY_ARCHIVED_ACCUMULATING	Archive status of the PDS3 volume is LOCALLY_ARCHIVED_ACCUMULATING (some parts of the volume are LOCALLY_ARCHIVED, but other parts are in earlier stages of the archiving process and/or have not yet been delivered to PDS; use with caution).
	PRE_PEER_REVIEW	Archive status of the PDS3 volume is PRE_PEER_REVIEW (being prepared for peer review under the direction of the curation node; use with caution).
	PRE_PEER_REVIEW_ACCUMULATING	Archive status of the PDS3 volume is PRE_PEER_REVIEW_ACCUMULATING (some parts of the volume are in PRE_PEER_REVIEW, but other parts are IN_QUEUE and/or have not yet been delivered to PDS; use with caution).
	SAFED	Archive status of the PDS3 volume is SAFED (the volume has been received by the PDS with no evaluation; data will not be formally archived).
	SUPERSEDED	Archive status of the PDS3 volume is SUPERSEDED (this volume has been replaced by a newer version, implying that the volume is not to be used unless the requester has specific reasons; when a volume has been superseded the Engineering Node, will notify NSSDC that their databases need to be updated to advise users of the new status and the location of the replacement volume).

## archive\_status\_note in Volume\_PDS3

<b>Name: archive_status_note</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The archive status note attribute provides a comment about the archive status.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> Volume_PDS3	<i>Type:</i> ASCII_Text_Preserved
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Note	<i>Conceptual Domain:</i> Text
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## attribute\_concept in DD\_Attribute\_Full

<b>Name: attribute_concept</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The attribute_concept attribute provides the type of information (classification) conveyed by the attribute -- e.g., stop_date_time has attribute_concept = date_time.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> DD_Attribute_Full	<i>Type:</i> ASCII_Short_String_Collapsed

Attributes in the common  
(pds) namespace.

<b>Name: attribute_concept</b>			<b>Version Id: 1.0.0.0</b>
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> ID	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	Address	The attribute has been classified as being an Address	
	Angle	The attribute has been classified as being an Angle	
	Attribute	The attribute has been classified as being an Attribute	
	Bit	The attribute has been classified as being a Bit	
	Checksum	The attribute has been classified as being a Checksum	
	Collection	The attribute has been classified as being a Collection	
	Constant	The attribute has been classified as being a Constant	
	Cosine	The attribute has been classified as being a Cosine	
	Count	The attribute has been classified as being a Count	
	DOI	The attribute has been classified as being a DOI	
	Delimiter	The attribute has been classified as being a Delimiter	
	Description	The attribute has been classified as being a Description	
	Deviation	The attribute has been classified as being a Deviation	
	Direction	The attribute has been classified as being a Direction	
	Distance	The attribute has been classified as being a Distance	
	Duration	The attribute has been classified as being a Duration	
	Factor	The attribute has been classified as being a Factor	
	Flag	The attribute has been classified as being a Flag	
	Format	The attribute has been classified as being a Format	
	Group	The attribute has been classified as being a Group	
	Home	The attribute has been classified as being a Home	
	ID	The attribute has been classified as being an Identifier	

Attributes in the common  
(pds) namespace.

<i>Name: attribute_concept</i>		<i>Version Id: 1.0.0.0</i>
	Latitude	The attribute has been classified as being a Latitude
	Length	The attribute has been classified as being a Length
	List	The attribute has been classified as being a List
	Location	The attribute has been classified as being a Location
	Logical	The attribute has been classified as being a Logical
	Longitude	The attribute has been classified as being a Longitude
	Mask	The attribute has been classified as being a Mask
	Maximum	The attribute has been classified as being a Maximum
	Mean	The attribute has been classified as being a Mean
	Median	The attribute has been classified as being a Median
	Minimum	The attribute has been classified as being a Minimum
	Name	The attribute has been classified as being a Name
	Note	The attribute has been classified as being a Note
	Number	The attribute has been classified as being a Number
	Offset	The attribute has been classified as being an Offset
	Order	The attribute has been classified as being an Order
	Parallel	The attribute has been classified as being a Parallel
	Password	The attribute has been classified as being a Password
	Path	The attribute has been classified as being a Path
	Pattern	The attribute has been classified as being a Pattern
	Pixel	The attribute has been classified as being a Pixel
	Quaternion	The attribute has been classified as being a Quaternion
	Radius	The attribute has been classified as being a Radius
	Ratio	The attribute has been classified as being a Ratio
	Reference	The attribute has been classified as being a Reference
	Resolution	The attribute has been classified as being a Resolution
	Role	The attribute has been classified as being a Role

Attributes in the common  
(pds) namespace.

<b>Name: attribute_concept</b>		<b>Version Id: 1.0.0.0</b>
	Rotation	The attribute has been classified as being a Rotation
	Scale	The attribute has been classified as being a Scale
	Sequence	The attribute has been classified as being a Sequence
	Set	The attribute has been classified as being a Set
	Size	The attribute has been classified as being a Size
	Status	The attribute has been classified as being a Status
	Summary	The attribute has been classified as being a Summary
	Syntax	The attribute has been classified as being a Syntax
	Temperature	The attribute has been classified as being a Temperature
	Text	The attribute has been classified as being a Text
	Title	The attribute has been classified as being a Title
	Type	The attribute has been classified as being a Type
	Unit	The attribute has been classified as being a Unit
	Unknown	The attribute has an Unknown classification
	Value	The attribute has been classified as being a Value
	Vector	The attribute has been classified as being a Vector

## author\_list in Citation\_Information

<b>Name: author_list</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The author_list attribute provides a list of people to be cited as the authors of the associated product. Lists are constructed with last names first and first and middle names and/or initials following. Initials are terminated by periods and delimited by single spaces. Suffixes (if applicable) follow everything else, after a final comma. Hyphenated names may be reduced to initials as "J.-P." Each person's full name is separated from the next by a semi-colon. There is no "and" before the last name. If there is no author list, editor_list must be present and non-null.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Citation_Information	<i>Type:</i> UTF8_Text_Preserved
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> List	<i>Conceptual Domain:</i> Text
<i>Status:</i> Active	<i>Niltable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		



## author\_list in Document

<b>Name: author_list</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The author_list attribute provides a list of people to be cited as the authors of the associated product. Lists are constructed with last names first and first and middle names and/or initials following. Initials are terminated by periods and delimited by single spaces. Suffixes (if applicable) follow everything else, after a final comma. Hyphenated names may be reduced to initials as "J.-P." Each person's full name is separated from the next by a semi-colon. There is no "and" before the last name. If there is no author list, editor_list must be present and non-null.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Document	<i>Type:</i> UTF8_Text_Preserved
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> List	<i>Conceptual Domain:</i> Text
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## author\_list in Software

<b>Name: author_list</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The author_list attribute provides a list of people to be cited as the authors of the associated product. Lists are constructed with last names first and first and middle names and/or initials following. Initials are terminated by periods and delimited by single spaces. Suffixes (if applicable) follow everything else, after a final comma. Hyphenated names may be reduced to initials as "J.-P." Each person's full name is separated from the next by a semi-colon. There is no "and" before the last name. If there is no author list, editor_list must be present and non-null.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> Software	<i>Type:</i> UTF8_Text_Preserved
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> List	<i>Conceptual Domain:</i> Text
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## axes in Array

<b>Name: axes</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The axes attribute provides a count of the axes.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Array	<i>Type:</i> ASCII_Integer
<i>Minimum Value:</i> 1	<i>Maximum Value:</i> 16	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Count	<i>Conceptual Domain:</i> Integer
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## axes in Array\_1D \*Deprecated\*

<b>Name: axes</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The axes attribute provides a count of the axes.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Array_1D *Deprecated*	<i>Type:</i> ASCII_Integer
<i>Minimum Value:</i> 1	<i>Maximum Value:</i> 16	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> Integer
<i>Status:</i> Active	<i>Nilable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	1	Array_1D has 1 axis	

## axes in Array\_2D

<b>Name: axes</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The axes attribute provides a count of the axes.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Array_2D	<i>Type:</i> ASCII_Integer
<i>Minimum Value:</i> 1	<i>Maximum Value:</i> 16	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Count	<i>Conceptual Domain:</i> Integer
<i>Status:</i> Active	<i>Nilable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	2	Array_2D has 2 axes	

## axes in Array\_3D

<b>Name: axes</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The axes attribute provides a count of the axes.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Array_3D	<i>Type:</i> ASCII_Integer
<i>Minimum Value:</i> 1	<i>Maximum Value:</i> 16	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Count	<i>Conceptual Domain:</i> Integer
<i>Status:</i> Active	<i>Nilable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	3	Array_3D has 3 axes	

## axis\_index\_order in Array

<b>Name: axis_index_order</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The axis_index_order attribute provides the axis index that varies fastest with respect to storage order.			

Attributes in the common  
(pds) namespace.

<b>Name: axis_index_order</b>			<b>Version Id: 1.0.0.0</b>
Namespace Id: pds	Steward: pds	Class Name: Array	Type: ASCII_Short_String_Collapsed
Minimum Value: None	Maximum Value: None	Minimum Characters: 1	Maximum Characters: 255
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: Order	Conceptual Domain: Short_String
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	Value	Value Meaning	
	Last Index Fastest	The values of a multi-dimensional array are stored in an order such that the last index changes fastest and the first index slowest.	

## axis\_name in Axis\_Array

<b>Name: axis_name</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The axis_name attribute provides a word or combination of words by which the axis is known.			
Namespace Id: pds	Steward: pds	Class Name: Axis_Array	Type: ASCII_Short_String_Collapsed
Minimum Value: None	Maximum Value: None	Minimum Characters: 1	Maximum Characters: 255
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: Name	Conceptual Domain: Short_String
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

## band\_number in Band\_Bin \*Deprecated\*

<b>Name: band_number</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The band_number attribute provides a number corresponding to the band in the spectral cube. The band number is equivalent to the instrument band number.			
Namespace Id: pds	Steward: img	Class Name: Band_Bin *Deprecated*	Type: ASCII_Integer
Minimum Value: 1	Maximum Value: 512	Minimum Characters: None	Maximum Characters: None
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: Number	Conceptual Domain: Integer
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

## band\_width in Band\_Bin \*Deprecated\*

<b>Name: band_width</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The band_width attributes provides the width, at half height, of the band.			
Namespace Id: pds	Steward: img	Class Name: Band_Bin *Deprecated*	Type: ASCII_Real

<b>Name: band_width</b>			<b>Version Id: 1.0.0.0</b>
<i>Minimum Value:</i> 0	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> Units_of_Length	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> Real
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## bit\_fields in Packed\_Data\_Fields

<b>Name: bit_fields</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The bit_fields attribute provides the number of defined bit fields (Field_Bit definitions) within the Packed_Data_Field.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Packed_Data_Fields	<i>Type:</i> ASCII_Integer
<i>Minimum Value:</i> 1	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Count	<i>Conceptual Domain:</i> Integer
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## bit\_mask in Object\_Statistics

<b>Name: bit_mask</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The bit mask attribute is a series of ASCII binary digits identifying the active bits in a value; it has exactly the same number of bits as the array element to which it is applied. The bit mask must be specified from most significant to least significant bit (left to right).			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Object_Statistics	<i>Type:</i> ASCII_Numeric_Base2
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Mask	<i>Conceptual Domain:</i> Numeric
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> [0-1]{1,255}	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## bit\_string in Digital\_Object

<b>Name: bit_string</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The bit string attribute is a sequence of digital bits. It is the content of a digital object.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Digital_Object	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> Short_String

<b>Name: bit_string</b>		<b>Version Id: 1.0.0.0</b>
Status: Active	Nillable: false	Pattern: None
Permissible Value(s)	No Values	

## bundle\_type in Bundle

<b>Name: bundle_type</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The bundle_type attribute provides a classification for the bundle.			
Namespace Id: pds	Steward: pds	Class Name: Bundle	Type: ASCII_Short_String_Collapsed
Minimum Value: None	Maximum Value: None	Minimum Characters: 1	Maximum Characters: 255
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: Type	Conceptual Domain: Short_String
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	Value	Value Meaning	
	Archive	The Bundle contains at least one data collection	
	Supplemental	The Bundle does not contain a data collection	

## category in Service

<b>Name: category</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The category attribute identifies the type of function that the tool or service performs.			
Namespace Id: pds	Steward: ops	Class Name: Service	Type: ASCII_Short_String_Collapsed
Minimum Value: None	Maximum Value: None	Minimum Characters: 1	Maximum Characters: 255
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: None	Conceptual Domain: None
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	Value	Value Meaning	
	Analysis	The tool or service provides functionality for analyzing data.	
	Design	The tool or service provides functionality for designing product labels.	
	Dissemination	The tool or service provides functionality for downloading products.	
	Generation	The tool or service provides functionality for generating product labels.	
	Planning	The tool or service provides functionality for planning data deliveries.	
	Reader	The tool or service provides functionality for reading product labels and/or data files.	
	Search	The tool or service provides functionality for searching for and retrieving information about data.	

<b>Name: category</b>		<b>Version Id: 1.0.0.0</b>
	Transformation	The tool or service provides functionality for transforming product labels and data into alternative formats.
	Validation	The tool or service provides functionality for validating product labels and data files.
	Visualization	The tool or service provides functionality for visualizing data.

## center\_wavelength in Band\_Bin \*Deprecated\*

<b>Name: center_wavelength</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The center_wavelength attribute provides the wavelength or frequency describing the center of a bin along the band axis of a spectral cube. When describing data from a spectrometer, the value corresponds to the peak of the response function for a particular detector and/or grating position.			
<i>Namespace Id:</i> pds	<i>Steward:</i> img	<i>Class Name:</i> Band_Bin *Deprecated*	<i>Type:</i> ASCII_Real
<i>Minimum Value:</i> 0	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> Units_of_Length	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> Real
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## character\_constraint in ASCII\_AnyURI

<b>Name: character_constraint</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The character_constraint attribute limits the characters allowed.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> ASCII_AnyURI	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	ASCII	Values of ASCII_AnyURI must be ASCII.	

## character\_constraint in ASCII\_DOI

<b>Name: character_constraint</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The character_constraint attribute limits the characters allowed.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> ASCII_DOI	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255

<b>Name: character_constraint</b>			<b>Version Id: 1.0.0.0</b>
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	ASCII	Values of ASCII_DOI must be ASCII	

## character\_constraint in ASCII\_Date \*Deprecated\*

<b>Name: character_constraint</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The character_constraint attribute limits the characters allowed.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> ASCII_Date *Deprecated*	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	ASCII	Values of ASCII_Date must be ASCII	

## character\_constraint in ASCII\_Date\_DOY

<b>Name: character_constraint</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The character_constraint attribute limits the characters allowed.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> ASCII_Date_DOY	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	ASCII	Values of ASCII_Date_DOY must be ASCII	

## character\_constraint in ASCII\_Date\_Time \*Deprecated\*

<b>Name: character_constraint</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The character_constraint attribute limits the characters allowed.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> ASCII_Date_Time *Deprecated*	<i>Type:</i> ASCII_Short_String_Collapsed

<b>Name: character_constraint</b>			<b>Version Id: 1.0.0.0</b>
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	ASCII	Values of ASCII_Date_Time must be ASCII	

## character\_constraint in ASCII\_Date\_Time\_DOY

<b>Name: character_constraint</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The character_constraint attribute limits the characters allowed.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> ASCII_Date_Time_DOY	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	ASCII	Values of ASCII_Date_Time_DOY must be ASCII	

## character\_constraint in ASCII\_Date\_Time\_DOY\_UTC

<b>Name: character_constraint</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The character_constraint attribute limits the characters allowed.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> ASCII_Date_Time_DOY_UTC	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> None
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	ASCII	Values of ASCII_Date_Time_DOY_UTC must be ASCII	



## character\_constraint in ASCII\_Date\_Time\_UTC \*Deprecated\*

<b>Name: character_constraint</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The character_constraint attribute limits the characters allowed.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> ASCII_Date_Time_UTC *Deprecated*	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	ASCII	Values of ASCII_Date_Time_UTC must be ASCII	

## character\_constraint in ASCII\_Date\_Time\_YMD

<b>Name: character_constraint</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The character_constraint attribute limits the characters allowed.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> ASCII_Date_Time_YMD	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	ASCII	Values of ASCII_Date_Time_YMD must be ASCII	

## character\_constraint in ASCII\_Date\_Time\_YMD\_UTC

<b>Name: character_constraint</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The character_constraint attribute limits the characters allowed.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> ASCII_Date_Time_YMD_UTC	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> None

<b>Name: character_constraint</b>		<b>Version Id: 1.0.0.0</b>
Status: Active	Nillable: false	Pattern: None
Permissible Value(s)	Value	Value Meaning
	ASCII	Values of ASCII_Date_Time_YMD_UTC must be ASCII

## character\_constraint in ASCII\_Date\_YMD

<b>Name: character_constraint</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The character_constraint attribute limits the characters allowed.			
Namespace Id: pds	Steward: pds	Class Name: ASCII_Date_YMD	Type: ASCII_Short_String_Collapsed
Minimum Value: None	Maximum Value: None	Minimum Characters: 1	Maximum Characters: 255
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: None	Conceptual Domain: Short_String
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	Value	Value Meaning	
	ASCII	Values of ASCII_Date_YMD must be ASCII	

## character\_constraint in ASCII\_Directory\_Path\_Name

<b>Name: character_constraint</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The character_constraint attribute limits the characters allowed.			
Namespace Id: pds	Steward: pds	Class Name: ASCII_Directory_Path_Name	Type: ASCII_Short_String_Collapsed
Minimum Value: None	Maximum Value: None	Minimum Characters: 1	Maximum Characters: 255
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: None	Conceptual Domain: Short_String
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	Value	Value Meaning	
	ASCII	Values of ASCII_Directory_Path_Name must be ASCII	

## character\_constraint in ASCII\_File\_Name

<b>Name: character_constraint</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The character_constraint attribute limits the characters allowed.			
Namespace Id: pds	Steward: pds	Class Name: ASCII_File_Name	Type: ASCII_Short_String_Collapsed
Minimum Value: None	Maximum Value: None	Minimum Characters: 1	Maximum Characters: 255
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: None	Conceptual Domain: Short_String

<b>Name: character_constraint</b>		<b>Version Id: 1.0.0.0</b>
Status: Active	Nillable: false	Pattern: None
Permissible Value(s)	Value	Value Meaning
	ASCII	Values of ASCII_File_Name must be ASCII

## character\_constraint in ASCII\_File\_Specification\_Name

<b>Name: character_constraint</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The character_constraint attribute limits the characters allowed.			
Namespace Id: pds	Steward: pds	Class Name: ASCII_File_Specification_Name	Type: ASCII_Short_String_Collapsed
Minimum Value: None	Maximum Value: None	Minimum Characters: 1	Maximum Characters: 255
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: None	Conceptual Domain: Short_String
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	Value	Value Meaning	
	ASCII	Values of ASCII_File_Specification_Name must be ASCII	

## character\_constraint in ASCII\_Integer

<b>Name: character_constraint</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The character_constraint attribute limits the characters allowed.			
Namespace Id: pds	Steward: pds	Class Name: ASCII_Integer	Type: ASCII_Short_String_Collapsed
Minimum Value: None	Maximum Value: None	Minimum Characters: 1	Maximum Characters: 255
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: None	Conceptual Domain: Short_String
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

## character\_constraint in ASCII\_LID

<b>Name: character_constraint</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The character_constraint attribute limits the characters allowed.			
Namespace Id: pds	Steward: pds	Class Name: ASCII_LID	Type: ASCII_Short_String_Collapsed
Minimum Value: None	Maximum Value: None	Minimum Characters: 1	Maximum Characters: 255
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: None	Conceptual Domain: Short_String
Status: Active	Nillable: false	Pattern: None	

<b>Name: character_constraint</b>		<b>Version Id: 1.0.0.0</b>
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>
	ASCII	Values of ASCII_LID must be ASCII

## character\_constraint in ASCII\_LIDVID

<b>Name: character_constraint</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The character_constraint attribute limits the characters allowed.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> ASCII_LIDVID	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	ASCII	Values of ASCII_LIDVID must be ASCII	

## character\_constraint in ASCII\_LIDVID\_LID

<b>Name: character_constraint</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The character_constraint attribute limits the characters allowed.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> ASCII_LIDVID_LID	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	ASCII	Values of ASCII_LIDVID_LID must be ASCII	

## character\_constraint in ASCII\_MD5\_Checksum

<b>Name: character_constraint</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The character_constraint attribute limits the characters allowed.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> ASCII_MD5_Checksum	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	

<b>Name: character_constraint</b>		<b>Version Id: 1.0.0.0</b>
	ASCII	Values of ASCII_MD5_Checksum must be ASCII

## character\_constraint in ASCII\_NonNegative\_Integer

<b>Name: character_constraint</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The character_constraint attribute limits the characters allowed.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> ASCII_NonNegative_Integer	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## character\_constraint in ASCII\_Numeric\_Base16

<b>Name: character_constraint</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The character_constraint attribute limits the characters allowed.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> ASCII_Numeric_Base16	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## character\_constraint in ASCII\_Numeric\_Base2

<b>Name: character_constraint</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The character_constraint attribute limits the characters allowed.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> ASCII_Numeric_Base2	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	

<b>Name: character_constraint</b>		<b>Version Id: 1.0.0.0</b>
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>
	ASCII	Values of ASCII_Numeric_Base2 must be ASCII

## character\_constraint in ASCII\_Numeric\_Base8

<b>Name: character_constraint</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The character_constraint attribute limits the characters allowed.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> ASCII_Numeric_Base8	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nilable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	ASCII	Values of ASCII_Numeric_Base8 must be ASCII	

## character\_constraint in ASCII\_Real

<b>Name: character_constraint</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The character_constraint attribute limits the characters allowed.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> ASCII_Real	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nilable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## character\_constraint in ASCII\_Short\_String\_Collapsed

<b>Name: character_constraint</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The character_constraint attribute limits the characters allowed.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> ASCII_Short_String_Collapsed	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> Short_String

<b>Name: character_constraint</b>		<b>Version Id: 1.0.0.0</b>
<i>Status:</i> Active	<i>Nilable:</i> false	<i>Pattern:</i> None
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>
	ASCII	Values of ASCII_Short_String_Collapsed must be ASCII

## character\_constraint in ASCII\_Short\_String\_Preserved

<b>Name: character_constraint</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The character_constraint attribute limits the characters allowed.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> ASCII_Short_String_Preserved	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nilable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	ASCII	Values of ASCII_Short_String_Preserved must be ASCII	

## character\_constraint in ASCII\_String

<b>Name: character_constraint</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The character_constraint attribute limits the characters allowed.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> ASCII_String	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nilable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	ASCII	Values of ASCII_String must be ASCII	

## character\_constraint in ASCII\_Text\_Collapsed

<b>Name: character_constraint</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The character_constraint attribute limits the characters allowed.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> ASCII_Text_Collapsed	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255

<b>Name: character_constraint</b>			<b>Version Id: 1.0.0.0</b>
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	ASCII	Values of ASCII_Text_Collapsed must be ASCII	

## character\_constraint in ASCII\_Text\_Preserved

<b>Name: character_constraint</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The character_constraint attribute limits the characters allowed.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> ASCII_Text_Preserved	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	ASCII	Values of ASCII_Text_Preserved must be ASCII	

## character\_constraint in ASCII\_Time

<b>Name: character_constraint</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The character_constraint attribute limits the characters allowed.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> ASCII_Time	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	ASCII	Values of ASCII_Time must be ASCII	

## character\_constraint in ASCII\_VID

<b>Name: character_constraint</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The character_constraint attribute limits the characters allowed.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> ASCII_VID	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255



<b>Name: character_constraint</b>			<b>Version Id: 1.0.0.0</b>
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	ASCII	Values of ASCII_VID must be ASCII	

## character\_constraint in Character\_Data\_Type

<b>Name: character_constraint</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The character_constraint attribute limits the characters allowed.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Character_Data_Type	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## character\_constraint in UTF8\_Short\_String\_Collapsed

<b>Name: character_constraint</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The character_constraint attribute limits the characters allowed.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> UTF8_Short_String_Collapsed	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## character\_constraint in UTF8\_Short\_String\_Preserved

<b>Name: character_constraint</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The character_constraint attribute limits the characters allowed.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> UTF8_Short_String_Preserved	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> Short_String

<b>Name: character_constraint</b>		<b>Version Id: 1.0.0.0</b>
Status: Active	Nillable: false	Pattern: None
Permissible Value(s)	No Values	

## character\_constraint in UTF8\_Text\_Preserved

<b>Name: character_constraint</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The character_constraint attribute limits the characters allowed.			
Namespace Id: pds	Steward: pds	Class Name: UTF8_Text_Preserved	Type: ASCII_Short_String_Collapsed
Minimum Value: None	Maximum Value: None	Minimum Characters: 1	Maximum Characters: 255
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: None	Conceptual Domain: Short_String
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

## character\_encoding in ASCII\_AnyURI

<b>Name: character_encoding</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The character_encoding attribute identifies the standard that maps a set of allowed characters to their machine readable code.			
Namespace Id: pds	Steward: pds	Class Name: ASCII_AnyURI	Type: ASCII_Short_String_Collapsed
Minimum Value: None	Maximum Value: None	Minimum Characters: 1	Maximum Characters: 255
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: None	Conceptual Domain: Short_String
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	Value	Value Meaning	
	UTF-8	Values of ASCII_AnyURI have UTF-8 character encoding.	

## character\_encoding in Character\_Data\_Type

<b>Name: character_encoding</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The character_encoding attribute identifies the standard that maps a set of allowed characters to their machine readable code.			
Namespace Id: pds	Steward: pds	Class Name: Character_Data_Type	Type: ASCII_Short_String_Collapsed
Minimum Value: None	Maximum Value: None	Minimum Characters: 1	Maximum Characters: 255
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: None	Conceptual Domain: Short_String
Status: Active	Nillable: false	Pattern: None	

<b>Name: character_encoding</b>		<b>Version Id: 1.0.0.0</b>
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>
	UTF-8	Values of Character_Data_Type have UTF-8 character encoding

## checksum\_manifest\_checksum in Information\_Package\_Component

<b>Name: checksum_manifest_checksum</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The checksum manifest checksum provides the checksum for the checksum manifest file.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> Information_Package_Component	<i>Type:</i> ASCII_MD5_Checksum
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 32	<i>Maximum Characters:</i> 32
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Checksum	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> [0-9a-fA-F]{32}	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## checksum\_type in Information\_Package\_Component

<b>Name: checksum_type</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The checksum type attribute provides the name of the checksum algorithm used to calculate the checksum value.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> Information_Package_Component	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Type	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## checksum\_type in Information\_Package\_Component\_Deep\_Archive

<b>Name: checksum_type</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The checksum type attribute provides the name of the checksum algorithm used to calculate the checksum value.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> Information_Package_Component_Deep_Archive	<i>Type:</i> ASCII_Short_String_Collapsed

<b>Name: checksum_type</b>			<b>Version Id: 1.0.0.0</b>
		Component_Deep_Archive	
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> None
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## citation\_text in Data\_Set\_PDS3

<b>Name: citation_text</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The citation_text attribute provides a character string containing a literature or other citation in sufficient detail that the material could be located in PDS or elsewhere.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> Data_Set_PDS3	<i>Type:</i> ASCII_Text_Preserved
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Text	<i>Conceptual Domain:</i> Text
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## class\_name in DD\_Attribute\_Full

<b>Name: class_name</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The class_name attribute provides the common name by which the class is identified, as well as the class within which the attribute is used.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> DD_Attribute_Full	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Name	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## collection\_type in Collection

<b>Name: collection_type</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The collection_type attribute provides a classification for the collection.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Collection	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255

Attributes in the common  
(pds) namespace.

<b>Name: collection_type</b>			<b>Version Id: 1.0.0.0</b>
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Type	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	Browse	This is a BROWSE collection	
	Calibration	This is a CALIBRATION collection	
	Context	This is a CONTEXT collection	
	Data	This is a DATA collection	
	Document	This is a DOCUMENT collection	
	Geometry	This is a GEOMETRY collection	
	Miscellaneous	This is a MISCELLANEOUS collection	
	SPICE Kernel	This is a SPICE Kernel collection	
	XML Schema	This is an XML SCHEMA collection	

## comment in Alias

<b>Name: comment</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The comment attribute is a character string expressing one or more remarks or thoughts relevant to the object.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Alias	<i>Type:</i> ASCII_Text_Preserved
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Description	<i>Conceptual Domain:</i> Text
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## comment in Color\_Display\_Settings

<b>Name: comment</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The comment attribute is a character string expressing one or more remarks or thoughts relevant to the object.			
<i>Namespace Id:</i> pds	<i>Steward:</i> img	<i>Class Name:</i> Color_Display_Settings	<i>Type:</i> ASCII_Text_Preserved
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> Text
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## comment in Context\_Area

<b>Name: comment</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The comment attribute is a character string expressing one or more remarks or thoughts relevant to the object.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Context_Area	<i>Type:</i> ASCII_Text_Preserved
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Description	<i>Conceptual Domain:</i> Text
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## comment in DD\_Attribute

<b>Name: comment</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The comment attribute is a character string expressing one or more remarks or thoughts relevant to the object.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> DD_Attribute	<i>Type:</i> ASCII_Text_Preserved
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Description	<i>Conceptual Domain:</i> Text
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## comment in DD\_Attribute\_Full

<b>Name: comment</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The comment attribute is a character string expressing one or more remarks or thoughts relevant to the object.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> DD_Attribute_Full	<i>Type:</i> ASCII_Text_Preserved
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Description	<i>Conceptual Domain:</i> Text
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## comment in DD\_Class\_Full

<b>Name: comment</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The comment attribute is a character string expressing one or more remarks or thoughts relevant to the object.			

<b>Name: comment</b>			<b>Version Id: 1.0.0.0</b>
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> DD_ <i>Class_Full</i>	<i>Type:</i> ASCII_Text_ Preserved
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Description	<i>Conceptual Domain:</i> Text
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## comment in Display\_Direction

<b>Name: comment</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The comment attribute is a character string expressing one or more remarks or thoughts relevant to the object.			
<i>Namespace Id:</i> pds	<i>Steward:</i> img	<i>Class Name:</i> Display_ Direction	<i>Type:</i> ASCII_Text_ Preserved
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> Text
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## comment in File

<b>Name: comment</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The comment attribute is a character string expressing one or more remarks or thoughts relevant to the object.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> File	<i>Type:</i> ASCII_Text_ Preserved
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Description	<i>Conceptual Domain:</i> Text
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## comment in Ingest\_LDD

<b>Name: comment</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The comment attribute is a character string expressing one or more remarks or thoughts relevant to the object.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> Ingest_ LDD	<i>Type:</i> ASCII_Text_ Preserved
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> None

<b>Name: comment</b>			<b>Version Id: 1.0.0.0</b>
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Description	<i>Conceptual Domain:</i> Text
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	No Values		

## comment in Internal\_Reference

<b>Name: comment</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The comment attribute provides one or more remarks or thoughts relevant to the object.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Internal_ Reference	<i>Type:</i> ASCII_Text_ Preserved
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Description	<i>Conceptual Domain:</i> Text
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	No Values		

## comment in Local\_Internal\_Reference

<b>Name: comment</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The comment attribute is a character string expressing one or more remarks or thoughts relevant to the object.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Local_ Internal_Reference	<i>Type:</i> ASCII_Text_ Preserved
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> Text
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	No Values		

## comment in Movie\_Display\_Settings

<b>Name: comment</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The comment attribute is a character string expressing one or more remarks or thoughts relevant to the object.			
<i>Namespace Id:</i> pds	<i>Steward:</i> img	<i>Class Name:</i> Movie_ Display_Settings	<i>Type:</i> ASCII_Text_ Preserved
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> Text
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	No Values		



## compile\_note in Software\_Source

<b>Name: compile_note</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The compile_note attribute provides a brief statement giving particulars about the compilation of the software source.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> Software_Source	<i>Type:</i> ASCII_Text_Preserved
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Note	<i>Conceptual Domain:</i> Text
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## conceptual\_domain in DD\_Value\_Domain\_Full

<b>Name: conceptual_domain</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The conceptual_domain attribute provides the domain to which the value has been assigned.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> DD_Value_Domain_Full	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> ID	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	Boolean	The value is classified as Boolean	
	Integer	The value is classified as Integer	
	Name	The value is classified as Name	
	Numeric	The value is classified as Numeric	
	Real	The value is classified as Real	
	Short_String	The value is classified as Short_String	
	Text	The value is classified as Text	
	Time	The value is classified as Time	
	Type	The value is classified as Type	
	Unknown	The value has an Unknown classification	

## confidence\_level\_note in Data\_Set\_PDS3

<b>Name: confidence_level_note</b>		<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The confidence_level_note attribute is a text field which characterizes the reliability of data within a data set or the reliability of a particular programming algorithm or software		

<b>Name: confidence_level_note</b>			<b>Version Id: 1.0.0.0</b>
component. Essentially, this note discusses the level of confidence in the accuracy of the data or in the ability of the software to produce accurate results.			
Namespace Id: pds	Steward: ops	Class Name: Data_Set_PDS3	Type: ASCII_Text_Preserved
Minimum Value: None	Maximum Value: None	Minimum Characters: 1	Maximum Characters: None
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: Note	Conceptual Domain: Text
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

## constant\_value in DD\_Association

<b>Name: constant_value</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The constant value attribute provides the value to be used if an attribute is static.			
Namespace Id: pds	Steward: ops	Class Name: DD_Association	Type: ASCII_Short_String_Collapsed
Minimum Value: None	Maximum Value: None	Minimum Characters: 1	Maximum Characters: 255
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: Value	Conceptual Domain: Short_String
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

## container\_type in Zip

<b>Name: container_type</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The container type attribute indicates the method used to package the components.			
Namespace Id: pds	Steward: pds	Class Name: Zip	Type: ASCII_Short_String_Collapsed
Minimum Value: None	Maximum Value: None	Minimum Characters: 1	Maximum Characters: 255
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: Type	Conceptual Domain: Short_String
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	Value	Value Meaning	
	GZIP	Product_Zipped is in container type GZIP, a compressed file format based on the DEFLATE algorithm. See <a href="http://www.gzip.org/">http://www.gzip.org/</a>	
	LZIP	Product_Zipped is in container type LZIP, a compressed file format that is created using the Lempel-Ziv-Markov chain algorithm. See <a href="http://lzip.nongnu.org/lzip.html">http://lzip.nongnu.org/lzip.html</a>	
	TAR	Product_Zipped is in container type TAR, a file format that aggregates many small files, their ownership and status information, and their relative organization into a single larger	

<b>Name: container_type</b>		<b>Version Id: 1.0.0.0</b>	
		file. See <a href="http://www.freebsd.org/cgi/man.cgi?query=tar&amp;sektion=5&amp;manpath=FreeBSD+8-current">http://www.freebsd.org/cgi/man.cgi?query=tar&amp;sektion=5&amp;manpath=FreeBSD+8-current</a>	
	ZIP	Product <i>Zipped</i> is in container type ZIP, a file format that aggregates one or more smaller files and/or folders, some of which may have been compressed, into a single file. See <a href="http://www.pkware.com/support/zip-app-note/">http://www.pkware.com/support/zip-app-note/</a>	

## coordinate\_source in Telescope

<b>Name: coordinate_source</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The coordinate_source attribute provides the reference figure or datum.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Telescope	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Text	<i>Conceptual Domain:</i> None
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## copyright in Document

<b>Name: copyright</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The copyright attribute is a character string giving information about the exclusive right to make copies, license, and otherwise exploit an object, whether physical or digital.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Document	<i>Type:</i> ASCII_Text_Preserved
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Text	<i>Conceptual Domain:</i> Text
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## country in Facility

<b>Name: country</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> country			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Facility	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Text	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	

<b>Name: country</b>		<b>Version Id: 1.0.0.0</b>
<i>Permissible Value(s)</i>	<i>No Values</i>	

## creation\_date\_time in File

<b>Name: creation_date_time</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The creation_date_time attribute provides a date and time when the object was created.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> File	<i>Type:</i> ASCII_Date_Time_YMD
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Time	<i>Conceptual Domain:</i> Time
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## curating\_node\_id in Volume\_PDS3

<b>Name: curating_node_id</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The curating_node_id attribute provides the id of the node currently maintaining the data set or volume and is responsible for maintaining catalog information.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> Volume_PDS3	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> ID	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## data\_regime in Primary\_Result\_Summary

**\*Deprecated\***

<b>Name: data_regime *Deprecated*</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The data_regime attribute provides the wavelength (or an analogous concept for things like particle detectors) of the observations, stated as a category.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Primary_Result_Summary	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> ID	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Deprecated	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	

Attributes in the common  
(pds) namespace.

<i>Name: data_regime *Deprecated*</i>		<i>Version Id: 1.0.0.0</i>
	Dust	Particles ranging in size from a few molecules to approximately 0.1 micrometer in diameter.
	Electric Field	A vector force field controlled primarily by the presence of electrons and/or ions
	Electrons	Subatomic particles with negative elementary charge.
	Far Infrared	Electromagnetic radiation in the approximate range: 1 THz - 10 THz (frequency), 30 micrometers - 300 micrometers (wavelength), or 4 meV - 40 meV (photon energy)
	Gamma Ray	Electromagnetic radiation in the approximate range: greater than 10 EHz (frequency), less than 0.01 nm (wavelength), or more than 100 keV (photon energy)
	Infrared	Electromagnetic radiation in the approximate range: 300 GHz - 405 THz (frequency), 750 nm - 1 mm (wavelength), or 1.24 meV - 1.7 eV (photon energy)
	Ions	Atoms or molecules in which the number of electrons and protons is unequal, giving them a net negative or positive electric charge.
	Magnetic Field	A vector force field produced by moving electric charges (currents) and/or the intrinsic magnetic properties of materials
	Microwave	Electromagnetic radiation in the approximate range: 300 MHz - 300 GHz (frequency), 1 mm - 1 m (wavelength), or 12 micro eV - 1.2 meV (photon energy)
	Millimeter	Electromagnetic radiation in the approximate range: 30 GHz - 300 GHz (frequency), 1 mm - 10 mm (wavelength), or 120 micro eV - 1.2 meV (photon energy)
	Near Infrared	Electromagnetic radiation in the approximate range: 300 THz - 1.5 PHz (frequency), 1 micrometer - 5 micrometer (wavelength), or 1 eV - 6 eV (photon energy)
	Particles	Discrete (but small) objects that can be characterized by a few simple physical properties such as volume and mass.
	Pressure	Measurement of ambient atmospheric pressure.
	Radio	Electromagnetic radiation in the approximate range: 3 Hz - 300 GHz (frequency), 1 mm - 100,000 km (wavelength), or 12 feV - 1.2 meV (photon energy)
	Sub-Millimeter	Electromagnetic radiation in the approximate range: 0.3 THz - 3 THz (frequency), 0.1 mm - 1 mm (wavelength), or 1.2 meV - 12 meV (photon energy)
	Temperature	Measurement of ambient temperature.

<b>Name: data_regime *Deprecated*</b>		<b>Version Id: 1.0.0.0</b>
	Ultraviolet	Electromagnetic radiation in the approximate range: 790 THz - 30 PHz (frequency), 10 nm - 390 nm (wavelength), or 3 eV - 120 eV (photon energy)
	Visible	Electromagnetic radiation in the approximate range: 405 THz - 790 THz (frequency), 390 nm - 750 nm (wavelength), or 1.7 eV - 3.3 eV (photon energy)
	X-Ray	Electromagnetic radiation in the approximate range: 30 PHz - 30 EHz (frequency), 0.01 nm - 10 nm (wavelength), or 120 eV - 120 keV (photon energy))

## data\_set\_desc in Data\_Set\_PDS3

<b>Name: data_set_desc</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The data_set_desc attribute describes the content and type of a data set and provides information required to use the data (such as binning information).			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> Data_Set_PDS3	<i>Type:</i> ASCII_Text_Preserved
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Description	<i>Conceptual Domain:</i> Text
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## data\_set\_id in Data\_Set\_PDS3

<b>Name: data_set_id</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The data set id provides a formal name used to refer to a data set.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> Data_Set_PDS3	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> ID	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## data\_set\_name in Data\_Set\_PDS3

<b>Name: data_set_name</b>		<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The data_set_name attribute provides the full name given to a data set or a data product. The data_set_name typically identifies the instrument that acquired the data of that instrument Example value data_set_id. Note This attribute is defined in the AMMOS Magellan catalog as an alias for file_name to provide backward compatibility		

Attributes in the common  
(pds) namespace.

<b>Name: data_set_name</b>			<b>Version Id: 1.0.0.0</b>
Namespace Id: pds	Steward: ops	Class Name: Data_Set_PDS3	Type: ASCII_Short_String_Collapsed
Minimum Value: None	Maximum Value: None	Minimum Characters: 1	Maximum Characters: 255
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: Name	Conceptual Domain: Short_String
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

## data\_set\_release\_date in Data\_Set\_PDS3

<b>Name: data_set_release_date</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The data_set_release_date attribute provides the date when a data set is released by the data producer for archive or publication. In many systems this represents the end of a proprietary or validation period. Formation rule In AMMOS identify the date at which a product may be released to the general public from proprietary access. AMMOS-related systems should apply this attribute only to proprietary data.			
Namespace Id: pds	Steward: ops	Class Name: Data_Set_PDS3	Type: ASCII_Short_String_Collapsed
Minimum Value: None	Maximum Value: None	Minimum Characters: 1	Maximum Characters: 255
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: Time	Conceptual Domain: Short_String
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

## data\_set\_terse\_desc in Data\_Set\_PDS3

<b>Name: data_set_terse_desc</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> A one line description of the data set			
Namespace Id: pds	Steward: ops	Class Name: Data_Set_PDS3	Type: ASCII_Text_Preserved
Minimum Value: None	Maximum Value: None	Minimum Characters: 1	Maximum Characters: None
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: Description	Conceptual Domain: Text
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

## data\_type in Element\_Array

<b>Name: data_type</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The data_type attribute provides the hardware representation used to store a value in Element_Array.			
Namespace Id: pds	Steward: pds	Class Name: Element_Array	Type: ASCII_Short_String_Collapsed

Attributes in the common  
(pds) namespace.

<b>Name: data_type</b>			<b>Version Id: 1.0.0.0</b>
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Type	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	ComplexLSB16	Values of Element_Array are stored as two 64-bit floating point numbers with the least significant byte first	
	ComplexLSB8	Values of Element_Array are stored as two 32-bit floating point numbers with the least significant byte first	
	ComplexMSB16	Values of Element_Array are stored as two 64-bit floating point numbers with the more significant byte first	
	ComplexMSB8	Values of Element_Array are stored as two 32-bit floating point numbers with the more significant byte first	
	IEEE754LSBDouble	Values of Element_Array are stored as 64-bit IEEE binary floating point numbers with the least significant byte first	
	IEEE754LSBSingle	Values of Element_Array are stored as 32-bit IEEE binary floating point numbers with the least significant byte first	
	IEEE754MSBDouble	Values of Element_Array are stored as 64-bit IEEE binary floating point numbers with the most significant byte first	
	IEEE754MSBSingle	Values of Element_Array are stored as 32-bit IEEE binary floating point numbers with the most significant byte first	
	SignedBitString	Values of Element_Array are stored as signed bit strings	
	SignedByte	Values of Element_Array are stored as 8-bit signed binary integers	
	SignedLSB2	Values of Element_Array are stored as 16-bit signed binary integers with the less significant byte first	
	SignedLSB4	Values of Element_Array are stored as 32-bit signed binary integers with the less significant byte first	
	SignedLSB8	Values of Element_Array are stored as 64-bit signed binary integers with the less significant byte first	
	SignedMSB2	Values of Element_Array are stored as 16-bit signed binary integers with the more significant byte first	
	SignedMSB4	Values of Element_Array are stored as two's-complement 32-bit binary integers with the most significant byte first	



Attributes in the common  
(pds) namespace.

<b>Name: data_type</b>		<b>Version Id: 1.0.0.0</b>
	SignedMSB8	Values of Element_Array are stored as two's-complement 64-bit binary integers with the most significant byte first
	UnsignedBitString	Values of Element_Array are stored as unsigned bit strings
	UnsignedByte	Values of Element_Array are stored as 8-bit unsigned binary integers
	UnsignedLSB2	Values of Element_Array are stored as 16-bit unsigned binary integers with the less significant byte first
	UnsignedLSB4	Values of Element_Array are stored as 32-bit unsigned binary integers with the least significant byte first
	UnsignedLSB8	Values of Element_Array are stored as 64-bit unsigned binary integers with the least significant byte first
	UnsignedMSB2	Values of Element_Array are stored as 16-bit unsigned binary integers with the more significant byte first
	UnsignedMSB4	Values of Element_Array are stored as 32-bit unsigned binary integers with the most significant byte first
	UnsignedMSB8	Values of Element_Array are stored as 64-bit unsigned binary integers with the most significant byte first

## data\_type in Field\_Binary

<b>Name: data_type</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The data_type attribute provides the hardware representation used to store a value in Field_Binary (see PDS Standards Reference section "Binary Data Types").			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Field_Binary	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Type	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	ASCII_AnyURI	Values in Field_Binary have data type ASCII_AnyURI	
	ASCII_Boolean	Values in Field_Binary have data type ASCII_Boolean	
	ASCII_DOI	Values in Field_Binary have data type ASCII_DOI	
	ASCII_Date_DOY	Values in Field_Binary have data type ASCII_Date_DOY	

Attributes in the common  
(pds) namespace.

<i>Name: data_type</i>		<i>Version Id: 1.0.0.0</i>
ASCII_Date_Time_DOY	Values in Field_Binary have data type ASCII_Date_Time_DOY	
ASCII_Date_Time_DOY_UTC	Values in Field_Binary have data type ASCII_Date_Time_DOY_UTC	
ASCII_Date_Time_YMD	Values in Field_Binary have data type ASCII_Date_Time_YMD	
ASCII_Date_Time_YMD_UTC	Values in Field_Binary have data type ASCII_Date_Time_YMD_UTC	
ASCII_Date_YMD	Values in Field_Binary have data type ASCII_Date_YMD	
ASCII_Directory_Path_Name	Values in Field_Binary have data type ASCII_Directory_Path_Name	
ASCII_File_Name	Values in Field_Binary have data type ASCII_File_Name	
ASCII_File_Specification_Name	Values in Field_Binary have data type ASCII_File_Specification_Name	
ASCII_Integer	Values in Table_Binary_Field have data type ASCII_Integer	
ASCII_LID	Values in Field_Binary have data type ASCII_LID	
ASCII_LIDVID	Values in Field_Binary have data type ASCII_LIDVID	
ASCII_LIDVID_LID	Values in Field_Binary have data type ASCII_LIDVID_LID	
ASCII_MD5_Checksum	Values in Field_Binary have data type ASCII_MD5_Checksum	
ASCII_NonNegative_Integer	Values in Field_Binary have data type ASCII_NonNegative_Integer	
ASCII_Numeric_Base16	Values in Field_Binary have data type ASCII_Numeric_Base16	
ASCII_Numeric_Base2	Values in Field_Binary have data type ASCII_Numeric_Base2	
ASCII_Numeric_Base8	Values in Field_Binary have data type ASCII_Numeric_Base8	
ASCII_Real	Values in Field_Binary have data type ASCII_Real	
ASCII_String	Values in Field_Binary have data type ASCII_String	
ASCII_Time	Values in Field_Binary have data type ASCII_Time	
ASCII_VID	Values in Field_Binary have data type ASCII_VID	
ComplexLSB16	Values in Field_Binary have data type ComplexLSB16	
ComplexLSB8	Values in Field_Binary have data type ComplexLSB8	

Attributes in the common  
(pds) namespace.

<i>Name: data_type</i>		<i>Version Id: 1.0.0.0</i>
	ComplexMSB16	Values in Field_Binary have data type ComplexMSB16
	ComplexMSB8	Values in Field_Binary have data type ComplexMSB8
	IEEE754LSBDouble	Values in Field_Binary have data type IEEE754LSBDouble
	IEEE754LSBSingle	Values in Field_Binary have data type IEEE754LSBSingle
	IEEE754MSBDouble	Values in Field_Binary have data type IEEE754MSBDouble
	IEEE754MSBSingle	Values in Field_Binary have data type IEEE754MSBSingle
	SignedBitString	Values in Field_Binary have data type SignedBitString
	SignedByte	Values in Field_Binary have data type SignedByte
	SignedLSB2	Values in Field_Binary have data type SignedLSB2
	SignedLSB4	Values in Field_Binary have data type SignedLSB4
	SignedLSB8	Values in Field_Binary have data type SignedLSB8
	SignedMSB2	Values in Field_Binary have data type SignedMSB2
	SignedMSB4	Values in Field_Binary have data type SignedMSB4
	SignedMSB8	Values in Field_Binary have data type SignedMSB8
	UTF8_String	Values in Field_Binary have data type UTF8_String
	UnsignedBitString	Values in Field_Binary have data type UnsignedBitString
	UnsignedByte	Values in Field_Binary have data type UnsignedByte
	UnsignedLSB2	Values in Field_Binary have data type UnsignedLSB2
	UnsignedLSB4	Values in Field_Binary have data type UnsignedLSB4
	UnsignedLSB8	Values in Field_Binary have data type UnsignedLSB8
	UnsignedMSB2	Values in Field_Binary have data type UnsignedMSB2
	UnsignedMSB4	Values in Field_Binary have data type UnsignedMSB4
	UnsignedMSB8	Values in Field_Binary have data type UnsignedMSB8

## data\_type in Field\_Bit

<b>Name: data_type</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The data_type attribute provides the hardware representation used to store a value in Field_Bit (see PDS Standards Reference section "Binary Data Types").			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Field_Bit	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Type	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	SignedBitString	Values of Field_Bit are stored as signed bit strings	
	UnsignedBitString	Values of Field_Bit are stored as unsigned bit strings	

## data\_type in Field\_Character

<b>Name: data_type</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The data_type attribute provides the hardware representation used to store a value in Field_Character (see PDS Standards Reference section "Character Data Types").			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Field_Character	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Type	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	ASCII_AnyURI	Values in Field_Character have data type ASCII_AnyURI	
	ASCII_Boolean	Values in Field_Character have data type ASCII_Boolean	
	ASCII_DOI	Values in Field_Character have data type ASCII_DOI	
	ASCII_Date_DOY	Values in Field_Character have data type ASCII_Date_DOY	
	ASCII_Date_Time_DOY	Values in Field_Character have data type ASCII_Date_Time_DOY	
	ASCII_Date_Time_DOY_UTC	Values in Field_Character have data type ASCII_Date_Time_DOY_UTC	
	ASCII_Date_Time_YMD	Values in Field_Character have data type ASCII_Date_Time_YMD	
	ASCII_Date_Time_YMD_UTC	Values in Field_Character have data type ASCII_Date_Time_YMD_UTC	

Attributes in the common  
(pds) namespace.

<b>Name: data_type</b>		<b>Version Id: 1.0.0.0</b>
	ASCII_Date_YMD	Values in Field_Character have data type ASCII_Date_YMD
	ASCII_Directory_Path_Name	Values in Field_Character have data type ASCII_Directory_Path_Name
	ASCII_File_Name	Values in Field_Character have data type ASCII_File_Name
	ASCII_File_Specification_Name	Values in Field_Character have data type ASCII_File_Specification_Name
	ASCII_Integer	Values in Field_Character have data type ASCII_Integer
	ASCII_LID	Values in Field_Character have data type ASCII_LID
	ASCII_LIDVID	Values in Field_Character have data type ASCII_LIDVID
	ASCII_LIDVID_LID	Values in Field_Character have data type ASCII_LIDVID_LID
	ASCII_MD5_Checksum	Values in Field_Character have data type ASCII_MD5_Checksum
	ASCII_NonNegative_Integer	Values in Field_Character have data type ASCII_NonNegative_Integer
	ASCII_Numeric_Base16	Values in Field_Character have data type ASCII_Numeric_Base16
	ASCII_Numeric_Base2	Values in Field_Character have data type ASCII_Numeric_Base2
	ASCII_Numeric_Base8	Values in Field_Character have data type ASCII_Numeric_Base8
	ASCII_Real	Values in Field_Character have data type ASCII_Real
	ASCII_String	Values in Field_Character have data type ASCII_String
	ASCII_Time	Values in Field_Character have data type ASCII_Time
	ASCII_VID	Values in Field_Character have data type ASCII_VID
	UTF8_String	Values in Field_Character have data type UTF8_String

## data\_type in Field\_Delimited

<b>Name: data_type</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The data_type attribute provides the hardware representation used to store a value in Field_Delimited (see PDS Standards Reference section "Character Data Types").			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Field_Delimited	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255

Attributes in the common  
(pds) namespace.

<b>Name: data_type</b>			<b>Version Id: 1.0.0.0</b>
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Type	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	ASCII_AnyURI	The delimited field has data type ASCII_AnyURI	
	ASCII_Boolean	Values in Field_Delimited have data type ASCII_Boolean	
	ASCII_DOI	The delimited field has data type ASCII_DOI	
	ASCII_Date_DOY	The delimited field has data type ASCII_Date_DOY	
	ASCII_Date_Time_DOY	The delimited field has data type ASCII_Date_Time_DOY	
	ASCII_Date_Time_DOY_UTC	Values in Field_Delimited have data type ASCII_Date_Time_DOY_UTC	
	ASCII_Date_Time_YMD	The delimited field has data type ASCII_Date_Time_YMD	
	ASCII_Date_Time_YMD_UTC	Values in Field_Delimited have data type ASCII_Date_Time_YMD_UTC	
	ASCII_Date_YMD	The delimited field has data type ASCII_Date_YMD	
	ASCII_Directory_Path_Name	Values in Field_Delimited have data type ASCII_Directory_Path_Name	
	ASCII_File_Name	The delimited field has data type ASCII_File_Name	
	ASCII_File_Specification_Name	The delimited field has data type ASCII_File_Specification_Name	
	ASCII_Integer	The delimited field has data type ASCII_Integer	
	ASCII_LID	The delimited field has data type ASCII_LID	
	ASCII_LIDVID	The delimited field has data type ASCII_LIDVID	
	ASCII_LIDVID_LID	Values in Field_Delimited have data type ASCII_LIDVID_LID	
	ASCII_MD5_Checksum	The delimited field has data type ASCII_MD5_Checksum	
	ASCII_NonNegative_Integer	The delimited field has data type ASCII_NonNegative_Integer	
	ASCII_Numeric_Base16	The delimited field has data type ASCII_Numeric_Base16	
	ASCII_Numeric_Base2	The delimited field has data type ASCII_Numeric_Base2	
	ASCII_Numeric_Base8	Values in Field_Delimited have data type ASCII_Numeric_Base8	
	ASCII_Real	The delimited field has data type ASCII_Real	
	ASCII_String	Values in Field_Delimited have data type ASCII_String	

<b>Name: data_type</b>		<b>Version Id: 1.0.0.0</b>
	ASCII_Time	The delimited field has data type ASCII_Time
	ASCII_VID	The delimited field has data type ASCII_VID
	UTF8_String	Values in Field_Delimited have data type UTF8_String

## data\_type in Quaternion\_Component

<b>Name: data_type</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The data_type attribute provides the hardware representation used to store a value in Quaternion_Component (see PDS Standards Reference section "Attribute Data Types").			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Quaternion_Component	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Type	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	ASCII_Real	The value is expressed using the data type ASCII_Real	

## data\_type in Vector

<b>Name: data_type</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The data_type attribute provides the hardware representation used to store a value in Vector (see PDS Standards Reference section "Attribute Data Types").			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Vector	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Type	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	ASCII_Real	The value is expressed using the data type ASCII_Real	

## date\_time in Update\_Entry

<b>Name: date_time</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The date_time attribute provides the date and time of an event.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Update_Entry	<i>Type:</i> ASCII_Date_Time_YMD
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None

<b>Name: date_time</b>			<b>Version Id: 1.0.0.0</b>
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Time	<i>Conceptual Domain:</i> Time
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	No Values		

## definition in DD\_Attribute

<b>Name: definition</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The definition attribute provides a statement, picture in words, or account that defines the term.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> DD_Attribute	<i>Type:</i> UTF8_Text_Preserved
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Description	<i>Conceptual Domain:</i> Text
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	No Values		

## definition in DD\_Attribute\_Full

<b>Name: definition</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The definition attribute provides a statement, picture in words, or account that defines the term.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> DD_Attribute_Full	<i>Type:</i> UTF8_Text_Preserved
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Description	<i>Conceptual Domain:</i> Text
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	No Values		

## definition in DD\_Class

<b>Name: definition</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The definition attribute provides a statement, picture in words, or account that defines the term.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> DD_Class	<i>Type:</i> UTF8_Text_Preserved
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Description	<i>Conceptual Domain:</i> Text
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	No Values		



## definition in DD\_Class\_Full

<b>Name: definition</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The definition attribute provides a statement, picture in words, or account that defines the term.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> DD_ Class_Full	<i>Type:</i> UTF8_Text_ Preserved
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Description	<i>Conceptual Domain:</i> Text
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## definition in Terminological\_Entry

<b>Name: definition</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The definition attribute provides a statement, picture in words, or account that defines the term.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Terminological_Entry	<i>Type:</i> UTF8_Text_ Preserved
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Description	<i>Conceptual Domain:</i> Text
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## description in Agency

<b>Name: description</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The description attribute provides a statement, picture in words, or account that describes or is otherwise relevant to the object.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Agency	<i>Type:</i> UTF8_Text_ Preserved
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Description	<i>Conceptual Domain:</i> Text
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## description in Array

<b>Name: description</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The description attribute provides a statement, picture in words, or account that describes or is otherwise relevant to the object.			

<b>Name: description</b>			<b>Version Id: 1.0.0.0</b>
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Array	<i>Type:</i> UTF8_Text_Preserved
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Description	<i>Conceptual Domain:</i> Text
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## description in Bundle

<b>Name: description</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The description attribute provides a statement, picture in words, or account that describes or is otherwise relevant to the object.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Bundle	<i>Type:</i> UTF8_Text_Preserved
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Description	<i>Conceptual Domain:</i> Text
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## description in Citation\_Information

<b>Name: description</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The description attribute provides a short (5KB or less) description of the product as a whole.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Citation_Information	<i>Type:</i> UTF8_Text_Preserved
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Description	<i>Conceptual Domain:</i> Text
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## description in Collection

<b>Name: description</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The description attribute provides a statement, picture in words, or account that describes or is otherwise relevant to the object.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Collection	<i>Type:</i> UTF8_Text_Preserved
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> None

<b>Name: description</b>			<b>Version Id: 1.0.0.0</b>
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Description	<i>Conceptual Domain:</i> Text
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	No Values		

## description in Document

<b>Name: description</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The description attribute provides a statement, picture in words, or account that describes or is otherwise relevant to the object.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Document	<i>Type:</i> UTF8_Text_Preserved
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Description	<i>Conceptual Domain:</i> Text
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	No Values		

## description in Document\_Edition

<b>Name: description</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The description attribute provides a statement, picture in words, or account that describes the edition, including how it is distinguished from other editions (if any).			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Document_Edition	<i>Type:</i> UTF8_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> Text
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	No Values		

## description in Encoded\_Byte\_Stream

<b>Name: description</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The description attribute provides a statement, picture in words, or account that describes or is otherwise relevant to the object.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Encoded_Byte_Stream	<i>Type:</i> UTF8_Text_Preserved
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Description	<i>Conceptual Domain:</i> Text
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	No Values		

## description in External\_Reference

<b>Name: description</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The description attribute provides a statement, picture in words, or account that describes or is otherwise relevant to the object.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> External_Reference	<i>Type:</i> UTF8_Text_Preserved
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Description	<i>Conceptual Domain:</i> Text
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## description in Facility

<b>Name: description</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The description attribute provides a statement, picture in words, or account that describes or is otherwise relevant to the object.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Facility	<i>Type:</i> UTF8_Text_Preserved
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Description	<i>Conceptual Domain:</i> Text
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## description in Field\_Binary

<b>Name: description</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The description attribute provides a statement, picture in words, or account that describes or is otherwise relevant to the object.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Field_Binary	<i>Type:</i> UTF8_Text_Preserved
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Description	<i>Conceptual Domain:</i> Text
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## description in Field\_Bit

<b>Name: description</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The description attribute provides a statement, picture in words, or account that describes or is otherwise relevant to the object.			

<b>Name: description</b>			<b>Version Id: 1.0.0.0</b>
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Field_Bit	<i>Type:</i> UTF8_Text_Preserved
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Description	<i>Conceptual Domain:</i> Text
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## description in Field\_Character

<b>Name: description</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The description attribute provides a statement, picture in words, or account that describes or is otherwise relevant to the object.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Field_Character	<i>Type:</i> UTF8_Text_Preserved
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Description	<i>Conceptual Domain:</i> Text
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## description in Field\_Delimited

<b>Name: description</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The description attribute provides a statement, picture in words, or account that describes or is otherwise relevant to the object.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Field_Delimited	<i>Type:</i> UTF8_Text_Preserved
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Description	<i>Conceptual Domain:</i> Text
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## description in Field\_Statistics

<b>Name: description</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The description attribute provides a statement, picture in words, or account that describes or is otherwise relevant to the object.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Field_Statistics	<i>Type:</i> UTF8_Text_Preserved
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> None

<b>Name: description</b>			<b>Version Id: 1.0.0.0</b>
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Description	<i>Conceptual Domain:</i> Text
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	No Values		

## description in Group

<b>Name: description</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The description attribute provides a statement, picture in words, or account that describes or is otherwise relevant to the object.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Group	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> None
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	No Values		

## description in Information\_Package

<b>Name: description</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The description attribute provides a statement, picture in words, or account that describes or is otherwise relevant to the object.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> Information_Package	<i>Type:</i> UTF8_Text_Preserved
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Description	<i>Conceptual Domain:</i> Text
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	No Values		

## description in Instrument

<b>Name: description</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The description attribute provides a statement, picture in words, or account that describes or is otherwise relevant to the object.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Instrument	<i>Type:</i> UTF8_Text_Preserved
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Description	<i>Conceptual Domain:</i> Text
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	No Values		

## description in Instrument\_Host

<b>Name: description</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The description attribute provides a statement, picture in words, or account that describes or is otherwise relevant to the object.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Instrument_Host	<i>Type:</i> UTF8_Text_Preserved
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Description	<i>Conceptual Domain:</i> Text
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## description in Investigation

<b>Name: description</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The description attribute provides a statement, picture in words, or account that describes or is otherwise relevant to the object.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Investigation	<i>Type:</i> UTF8_Text_Preserved
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Description	<i>Conceptual Domain:</i> Text
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## description in Modification\_Detail

<b>Name: description</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The description attribute provides a statement, picture in words, or account that describes or is otherwise relevant to the object.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Modification_Detail	<i>Type:</i> UTF8_Text_Preserved
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Description	<i>Conceptual Domain:</i> Text
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## description in Node

<b>Name: description</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The description attribute provides a statement, picture in words, or account that describes or is otherwise relevant to the object.			

<b>Name: description</b>			<b>Version Id: 1.0.0.0</b>
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> Node	<i>Type:</i> UTF8_Text_Preserved
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Description	<i>Conceptual Domain:</i> Text
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## description in Object\_Statistics

<b>Name: description</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The description attribute provides a statement, picture in words, or account that describes or is otherwise relevant to the object.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Object_Statistics	<i>Type:</i> UTF8_Text_Preserved
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Description	<i>Conceptual Domain:</i> Text
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## description in Observing\_System

<b>Name: description</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The description attribute provides a statement, picture in words, or account that describes or is otherwise relevant to the object.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Observing_System	<i>Type:</i> UTF8_Text_Preserved
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Description	<i>Conceptual Domain:</i> Text
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## description in Observing\_System\_Component

<b>Name: description</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The description attribute provides a statement, picture in words, or account that describes or is otherwise relevant to the object.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Observing_System_Component	<i>Type:</i> UTF8_Text_Preserved



<b>Name: description</b>			<b>Version Id: 1.0.0.0</b>
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Description	<i>Conceptual Domain:</i> Text
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## description in Other

<b>Name: description</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The description attribute provides a statement, picture in words, or account that describes or is otherwise relevant to the object.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Other	<i>Type:</i> UTF8_Text_Preserved
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Description	<i>Conceptual Domain:</i> Text
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## description in PDS\_Affiliate

<b>Name: description</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The description attribute provides a statement, picture in words, or account that describes or is otherwise relevant to the object.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> PDS_Affiliate	<i>Type:</i> UTF8_Text_Preserved
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Description	<i>Conceptual Domain:</i> Text
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## description in PDS\_Guest

<b>Name: description</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The description attribute provides a statement, picture in words, or account that describes or is otherwise relevant to the object.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> PDS_Guest	<i>Type:</i> UTF8_Text_Preserved
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Description	<i>Conceptual Domain:</i> Text

<b>Name: description</b>		<b>Version Id: 1.0.0.0</b>
<i>Status: Active</i>	<i>Nillable: false</i>	<i>Pattern: None</i>
<i>Permissible Value(s)</i>	<i>No Values</i>	

## description in Packed\_Data\_Fields

<b>Name: description</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description: The description attribute provides a statement, picture in words, or account that describes or is otherwise relevant to the object.</i>			
<i>Namespace Id: pds</i>	<i>Steward: pds</i>	<i>Class Name: Packed_Data_Fields</i>	<i>Type: UTF8_Text_Preserved</i>
<i>Minimum Value: None</i>	<i>Maximum Value: None</i>	<i>Minimum Characters: 1</i>	<i>Maximum Characters: None</i>
<i>Unit of Measure Type: None</i>	<i>Default Unit Id: None</i>	<i>Attribute Concept: Description</i>	<i>Conceptual Domain: Text</i>
<i>Status: Active</i>	<i>Nillable: false</i>	<i>Pattern: None</i>	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## description in Parsable\_Byte\_Stream

<b>Name: description</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description: The description attribute provides a statement, picture in words, or account that describes or is otherwise relevant to the object.</i>			
<i>Namespace Id: pds</i>	<i>Steward: pds</i>	<i>Class Name: Parsable_Byte_Stream</i>	<i>Type: UTF8_Text_Preserved</i>
<i>Minimum Value: None</i>	<i>Maximum Value: None</i>	<i>Minimum Characters: 1</i>	<i>Maximum Characters: None</i>
<i>Unit of Measure Type: None</i>	<i>Default Unit Id: None</i>	<i>Attribute Concept: Description</i>	<i>Conceptual Domain: Text</i>
<i>Status: Active</i>	<i>Nillable: false</i>	<i>Pattern: None</i>	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## description in Primary\_Result\_Summary

<b>Name: description</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description: The description attribute provides a statement, picture in words, or account that describes or is otherwise relevant to the object.</i>			
<i>Namespace Id: pds</i>	<i>Steward: pds</i>	<i>Class Name: Primary_Result_Summary</i>	<i>Type: UTF8_Text_Preserved</i>
<i>Minimum Value: None</i>	<i>Maximum Value: None</i>	<i>Minimum Characters: 1</i>	<i>Maximum Characters: None</i>
<i>Unit of Measure Type: None</i>	<i>Default Unit Id: None</i>	<i>Attribute Concept: Description</i>	<i>Conceptual Domain: Text</i>
<i>Status: Active</i>	<i>Nillable: false</i>	<i>Pattern: None</i>	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## description in Property\_Map

<b>Name: description</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The description attribute provides a statement, picture in words, or account that describes or is otherwise relevant to the object.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> Property_Map	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> None
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## description in Property\_Maps

<b>Name: description</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The description attribute provides a statement, picture in words, or account that describes or is otherwise relevant to the object.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> Property_Maps	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> None
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## description in Quaternion

<b>Name: description</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The description attribute provides a statement, picture in words, or account that describes or is otherwise relevant to the object.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Quaternion	<i>Type:</i> UTF8_Text_Preserved
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Description	<i>Conceptual Domain:</i> Text
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## description in Quaternion\_Component

<b>Name: description</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The description attribute provides a statement, picture in words, or account that describes or is otherwise relevant to the object.			

<b>Name: description</b>			<b>Version Id: 1.0.0.0</b>
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Quaternion_ Component	<i>Type:</i> UTF8_Text_Preserved
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Description	<i>Conceptual Domain:</i> Text
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## description in Resource

<b>Name: description</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The description attribute provides a statement, picture in words, or account that describes or is otherwise relevant to the object.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Resource	<i>Type:</i> UTF8_Text_Preserved
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Description	<i>Conceptual Domain:</i> Text
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## description in Service

<b>Name: description</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The description attribute provides a statement, picture in words, or account that describes or is otherwise relevant to the object.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> Service	<i>Type:</i> ASCII_Text_Preserved
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> Text
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## description in Software

<b>Name: description</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The description attribute provides a statement, picture in words, or account that describes or is otherwise relevant to the object.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> Software	<i>Type:</i> UTF8_Text_Preserved

<b>Name: description</b>			<b>Version Id: 1.0.0.0</b>
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Description	<i>Conceptual Domain:</i> Text
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## description in Table\_Base

<b>Name: description</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The description attribute provides a statement, picture in words, or account that describes or is otherwise relevant to the object.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Table_ Base	<i>Type:</i> UTF8_Text_ Preserved
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Description	<i>Conceptual Domain:</i> Text
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## description in Target

<b>Name: description</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The description attribute provides a statement, picture in words, or account that describes or is otherwise relevant to the object.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Target	<i>Type:</i> UTF8_Text_ Preserved
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Description	<i>Conceptual Domain:</i> Text
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## description in Target\_Identification

<b>Name: description</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The description attribute provides additional information or clarification, as needed.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Target_ Identification	<i>Type:</i> UTF8_Text_ Preserved
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Description	<i>Conceptual Domain:</i> Text

<b>Name: description</b>		<b>Version Id: 1.0.0.0</b>
<i>Status: Active</i>	<i>Nillable: false</i>	<i>Pattern: None</i>
<i>Permissible Value(s)</i>	<i>No Values</i>	

## description in Telescope

<b>Name: description</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description: The description attribute provides a statement, picture in words, or account that describes or is otherwise relevant to the object.</i>			
<i>Namespace Id: pds</i>	<i>Steward: pds</i>	<i>Class Name: Telescope</i>	<i>Type: UTF8_Text_Preserved</i>
<i>Minimum Value: None</i>	<i>Maximum Value: None</i>	<i>Minimum Characters: 1</i>	<i>Maximum Characters: None</i>
<i>Unit of Measure Type: None</i>	<i>Default Unit Id: None</i>	<i>Attribute Concept: None</i>	<i>Conceptual Domain: Text</i>
<i>Status: Active</i>	<i>Nillable: false</i>	<i>Pattern: None</i>	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## description in Update

<b>Name: description</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description: The description attribute provides a statement, picture in words, or account that describes or is otherwise relevant to the object.</i>			
<i>Namespace Id: pds</i>	<i>Steward: pds</i>	<i>Class Name: Update</i>	<i>Type: UTF8_Text_Preserved</i>
<i>Minimum Value: None</i>	<i>Maximum Value: None</i>	<i>Minimum Characters: 1</i>	<i>Maximum Characters: None</i>
<i>Unit of Measure Type: None</i>	<i>Default Unit Id: None</i>	<i>Attribute Concept: Description</i>	<i>Conceptual Domain: Text</i>
<i>Status: Active</i>	<i>Nillable: false</i>	<i>Pattern: None</i>	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## description in Update\_Entry

<b>Name: description</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description: The description attribute provides a statement, picture in words, or account that describes or is otherwise relevant to the object.</i>			
<i>Namespace Id: pds</i>	<i>Steward: pds</i>	<i>Class Name: Update_Entry</i>	<i>Type: UTF8_Text_Preserved</i>
<i>Minimum Value: None</i>	<i>Maximum Value: None</i>	<i>Minimum Characters: 1</i>	<i>Maximum Characters: None</i>
<i>Unit of Measure Type: None</i>	<i>Default Unit Id: None</i>	<i>Attribute Concept: Description</i>	<i>Conceptual Domain: Text</i>
<i>Status: Active</i>	<i>Nillable: false</i>	<i>Pattern: None</i>	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## description in Vector

<b>Name: description</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The description attribute provides a statement, picture in words, or account that describes or is otherwise relevant to the object.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Vector	<i>Type:</i> UTF8_Text_Preserved
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Description	<i>Conceptual Domain:</i> Text
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## description in Vector\_Component

<b>Name: description</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The description attribute provides a statement, picture in words, or account that describes or is otherwise relevant to the object.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Vector_Component	<i>Type:</i> UTF8_Text_Preserved
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Description	<i>Conceptual Domain:</i> Text
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## description in Volume\_PDS3

<b>Name: description</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The description attribute provides a statement, picture in words, or account that describes or is otherwise relevant to the object.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> Volume_PDS3	<i>Type:</i> UTF8_Text_Preserved
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Description	<i>Conceptual Domain:</i> Text
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## description in Volume\_Set\_PDS3

<b>Name: description</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The description attribute provides a statement, picture in words, or account that describes or is otherwise relevant to the object.			

<b>Name: description</b>			<b>Version Id: 1.0.0.0</b>
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> Volume_Set_PDS3	<i>Type:</i> UTF8_Text_Preserved
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Description	<i>Conceptual Domain:</i> Text
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## description in Zip

<b>Name: description</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The description attribute provides a statement, picture in words, or account that describes or is otherwise relevant to the object.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Zip	<i>Type:</i> UTF8_Text_Preserved
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Description	<i>Conceptual Domain:</i> Text
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## detector\_number in Band\_Bin \*Deprecated\*

<b>Name: detector_number</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The detector_number attribute provides the spectrometer detector number corresponding to a band of a spectral cube. Detector numbers are usually assigned consecutively from 1, in order of increasing wavelength.			
<i>Namespace Id:</i> pds	<i>Steward:</i> img	<i>Class Name:</i> Band_Bin *Deprecated*	<i>Type:</i> ASCII_Integer
<i>Minimum Value:</i> 1	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Number	<i>Conceptual Domain:</i> Integer
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## directory\_path\_name in Document\_File

<b>Name: directory_path_name</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The directory_path_name attribute provides a sequence of names that locates a directory in a hierarchy of directories.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Document_File	<i>Type:</i> ASCII_Short_String_Collapsed



<b>Name: directory_path_name</b>			<b>Version Id: 1.0.0.0</b>
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Name	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## discipline\_name in Discipline\_Facets

<b>Name: discipline_name</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The discipline_name attribute describes the observing discipline (as opposed to a PDS Discipline Node Name, though the concepts and values are similar). Some of these values are, with respect to the PDS Nodes, inter-disciplinary and should be used when they are applicable in preference to the more restrictive values.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Discipline_Facets	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> None
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	Atmospheres	atmospheric observations	
	Fields	electric and magnetic field data	
	Flux Measurements	photometry/polarimetry not resulting in images or spectra	
	Imaging	any non-spectroscopic image, of any dimensionality (color, movies, etc.)	
	Particles	ions, electrons, and anything not classified as 'dust'	
	Ring-Moon Systems	other ring or ring-moon system data	
	Small Bodies	other small body observations, including dust, shape models, etc.	
	Spectroscopy	light wavelength/wave number spectra of any and all dimensionalities	

## document\_editions in Document

<b>Name: document_editions</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The document_editions attribute provides a count of the total number of complete, distinct editions of the document.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Document	<i>Type:</i> ASCII_Integer
<i>Minimum Value:</i> 1	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> Integer

<b>Name: document_editions</b>		<b>Version Id: 1.0.0.0</b>
Status: Active	Nillable: false	Pattern: None
Permissible Value(s)	No Values	

## document\_name in Document

<b>Name: document_name</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The document_title attribute provides the full name of the published document. This optional attribute is used only if the title in the identification area of the document product is not sufficient.			
Namespace Id: pds	Steward: pds	Class Name: Document	Type: UTF8_Text_Preserved
Minimum Value: None	Maximum Value: None	Minimum Characters: 1	Maximum Characters: None
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: Name	Conceptual Domain: Text
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

## document\_standard\_id in Document\_File

<b>Name: document_standard_id</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The document_standard_id attribute provides the formal name of a standard used for the structure of a document file.			
Namespace Id: pds	Steward: pds	Class Name: Document_File	Type: ASCII_Short_String_Collapsed
Minimum Value: None	Maximum Value: None	Minimum Characters: 1	Maximum Characters: 255
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: ID	Conceptual Domain: Short_String
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	Value	Value Meaning	
	7-Bit ASCII Text	The Document_File contains simple text using only the 7-Bit ASCII character set. ANSI X3.4-1986.	
	Encapsulated Postscript	The Document_File is governed by the external standard Encapsulated Postscript (EPS).	
	GIF	The Document_File is governed by the standard Graphics Interchange Format (GIF).	
	HTML	The Document_File is governed by one of the HyperText Markup Language (HTML) standards such as IETF RFC 2070, W3C Recommendation 14-Jan-1997, ISO 8879:1986, or ISO/IEC 15445:2000.	
	HTML 2.0 - *Deprecated*	The Document_File is governed by the standard HyperText Markup Language (HTML), IETF RFC 2070.	

Attributes in the common  
(pds) namespace.

<b>Name: document_standard_id</b>		<b>Version Id: 1.0.0.0</b>
	HTML 3.2 - *Deprecated*	The Document_File is governed by the standard HyperText Markup Language (HTML), W3C Recommendation 14-Jan-1997.
	HTML 4.0 - *Deprecated*	The Document_File is governed by the standard HyperText Markup Language (HTML), ISO 8879:1986.
	HTML 4.01 - *Deprecated*	The Document_File is governed by the standard HyperText Markup Language (HTML), ISO/IEC 15445:2000.
	JPEG	The Document_File is governed by the standard Joint Photographic Experts Group (JPEG), ISO/IEC 10918-1.
	LaTEX	The Document_File is governed by the standard LaTEX, Version LaTeX2e.
	Microsoft Excel	The Document_File is governed by a Microsoft Excel standard (xls, xlsx), Microsoft Corporation.
	Microsoft Word	The Document_File is governed by a Microsoft Word standard, Microsoft Corporation.
	PDF	The Document_File is governed by the standard Portable Document Format (PDF), ISO 32000-1:2008.
	PDF/A	The Document_File is governed by the standard Portable Document Format / Archive (PDF/A), ISO 19005-1:2005.
	PNG	The Document_File is governed by the standard Portable Network Graphics (PNG), ISO/IEC 15948:2004.
	Postscript	The Document_File is governed by the standard Postscript (PS)
	Rich Text	The Document_File is governed by the standard Rich Text Format (RTF), Microsoft Corporation.
	TIFF	The Document_File is governed by the standard Tagged Image File Format (TIFF), Version 6.n, 1992.
	UTF-8 Text	The Document_File contains simple text using UTF-8 Unicode character encodings. RFC 3629.

## doi in Document

<b>Name: doi</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The doi attribute provides the Digital Object Identifier for an object, assigned by the appropriate DOI System Registration Agency.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Document	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> DOI	<i>Conceptual Domain:</i> Short_String

<b>Name: doi</b>		<b>Version Id: 1.0.0.0</b>
Status: Active	Nillable: false	Pattern: None
Permissible Value(s)	No Values	

## doi in External\_Reference

<b>Name: doi</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The doi attribute provides the Digital Object Identifier for an object, assigned by the appropriate DOI System Registration Agency.			
Namespace Id: pds	Steward: pds	Class Name: External_Reference	Type: ASCII_Short_String_Collapsed
Minimum Value: None	Maximum Value: None	Minimum Characters: 1	Maximum Characters: 255
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: DOI	Conceptual Domain: Short_String
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

## domain in Science\_Facets

<b>Name: domain</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The radial "zone" or "shell" of the target for which the observations were collected or which are represented in the product(s). The value may depend on wavelength_range and size of the target.			
Namespace Id: pds	Steward: pds	Class Name: Science_Facets	Type: ASCII_Short_String_Collapsed
Minimum Value: None	Maximum Value: None	Minimum Characters: 1	Maximum Characters: 255
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: None	Conceptual Domain: None
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	Value	Value Meaning	
	Atmosphere	an envelope of uncharged gases and particles surrounding the target and bound to it primarily by gravitational forces	
	Heliosphere	the solar atmosphere extending roughly from the outer corona to the edge of the solar plasma at the heliopause, which separates primarily solar plasma from the interstellar medium.	
	Interior	the solid and/or liquid portion of a target enclosed by its surface.	
	Interstellar	the region between stars, which is outside of any star's heliopause.	
	Ionosphere	an envelope of plasma and charged particles surrounding the target and bound to it primarily by gravitational forces.	
	Magnetosphere	an envelope of charged particles, bounded on the upper side by the magnetopause and which is	

<b>Name: domain</b>		<b>Version Id: 1.0.0.0</b>
		primarily under the control of the target body's magnetic field.
	Surface	the boundary between the solid/liquid portion of a target and its atmosphere, ionosphere, or magnetosphere (or space).

## edition\_name in Document\_Edition

<b>Name: edition_name</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The edition name attribute provides a name by which the edition is known.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Document_Edition	<i>Type:</i> UTF8_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> Text
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## editor\_list in Citation\_Information

<b>Name: editor_list</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The editor_list attribute provides a list of people to be cited as the editors of the associated product. Lists are constructed with last names first and first and middle names and/or initials following. Initials are terminated by periods and delimited by single spaces. Suffixes (if applicable) follow everything else, after a final comma. Hyphenated names may be reduced to initials as "J.-P." Each person's full name is separated from the next by a semi-colon. There is no "and" before the last name.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Citation_Information	<i>Type:</i> UTF8_Text_Preserved
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> List	<i>Conceptual Domain:</i> Text
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## editor\_list in Document

<b>Name: editor_list</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The editor_list attribute provides a list of people to be cited as the editors of the associated product. Lists are constructed with last names first and first and middle names and/or initials following. Initials are terminated by periods and delimited by single spaces. Suffixes (if applicable) follow everything else, after a final comma. Hyphenated names may be reduced to initials as "J.-P." Each person's full name is separated from the next by a semi-colon. There is no "and" before the last name.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Document	<i>Type:</i> UTF8_Text_Preserved

<b>Name: editor_list</b>			<b>Version Id: 1.0.0.0</b>
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> List	<i>Conceptual Domain:</i> Text
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## electronic\_mail\_address in PDS\_Affiliate

<b>Name: electronic_mail_address</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The electronic mail address attribute provides a multi-part email address: the first part (the user name), which identifies a unique user, is separated by an "at sign" from the host name, which uniquely identifies the mail server.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> PDS_Affiliate	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Address	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## electronic\_mail\_address in PDS\_Guest

<b>Name: electronic_mail_address</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The electronic mail address attribute provides a multi-part email address: the first part (the user name), which identifies a unique user, is separated by an "at sign" from the host name, which uniquely identifies the mail server.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> PDS_Guest	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Address	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## element\_flag in DD\_Class

<b>Name: element_flag</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The element flag attribute indicates whether or not the class is defined as a xs:element in XML Schema.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> DD_Class	<i>Type:</i> ASCII_Boolean
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None

<b>Name: element_flag</b>			<b>Version Id: 1.0.0.0</b>
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> Boolean
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	No Values		

## element\_flag in DD\_Class\_Full

<b>Name: element_flag</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The element flag attribute indicates whether or not the class is defined as a xs:element in XML Schema.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> DD_ Class_Full	<i>Type:</i> ASCII_Boolean
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> Boolean
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	No Values		

## elements in Axis\_Array

<b>Name: elements</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The elements attribute provides the count of the number of elements along an array axis.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Axis_ Array	<i>Type:</i> ASCII_Integer Array
<i>Minimum Value:</i> 1	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Count	<i>Conceptual Domain:</i> Integer
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	No Values		

## encoding\_standard\_id in Encoded\_Binary

<b>Name: encoding_standard_id</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The encoding_standard_id attribute provides the formal name of a standard used for the structure of an Encoded Byte Stream digital object.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Encoded_ Binary	<i>Type:</i> ASCII_Short_ String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> ID	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	

<b>Name: encoding_standard_id</b>		<b>Version Id: 1.0.0.0</b>
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>
	CCSDS Space Communications Protocols - *Deprecated*	The digital object is governed by the Consultative Committee for Space Data Systems (CCSDS) recommended standards on telecommand, telemetry and space datalink protocols.

## encoding\_standard\_id in Encoded\_Byte\_Stream

<b>Name: encoding_standard_id</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The encoding_standard_id attribute provides the formal name of a standard used for the structure of an Encoded Byte Stream digital object.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Encoded_Byte_Stream	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> ID	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## encoding\_standard\_id in Encoded\_Header

<b>Name: encoding_standard_id</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The encoding_standard_id attribute provides the formal name of the standard governing structure of the Encoded_Header digital object.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Encoded_Header	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> ID	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	TIFF	The Header is governed by the standard Tagged Image File Format (TIFF), Version 6.0, 1992.	

## encoding\_standard\_id in Encoded\_Image

<b>Name: encoding_standard_id</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The encoding_standard_id attribute provides the formal name of a standard used for the structure of an Encoded Byte Stream digital object.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Encoded_Image	<i>Type:</i> ASCII_Short_String_Collapsed



Attributes in the common  
(pds) namespace.

<b>Name: encoding_standard_id</b>			<b>Version Id: 1.0.0.0</b>
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> ID	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	GIF	The Encoded_Image is governed by the standard Graphics Interchange Format (GIF).	
	J2C - *Deprecated*	The Encoded_Image is governed by the standard JPEG2000 compressed image codestream.	
	JPEG	The Encoded_Image is governed by the standard Joint Photographic Experts Group (JPEG), ISO/IEC 10918-1.	
	PDF	The Encoded_Image is governed by the standard Portable Document Format (PDF), ISO 32000-1:2008.	
	PDF/A	The Encoded_Image is governed by the standard Portable Document Format / Archive (PDF/A), ISO 19005-1:2005.	
	PNG	The Encoded_Image is governed by the standard Portable Network Graphics (PNG), ISO/IEC 15948:2004.	
	TIFF	The Encoded_Image is governed by the standard Tagged Image File Format (TIFF), Version 6.n, 1992.	

## encoding\_standard\_id in Encoded\_Native

<b>Name: encoding_standard_id</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The encoding_standard_id attribute provides the formal name of a standard used for the structure of an Encoded Byte Stream digital object.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Encoded_Native	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> None
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	SEED 2.4	SEED (Standard for the Exchange of Earthquake Data) is an international standard format for archiving seismic data. The standard is maintained by the International Federation of Digital Seismograph Networks (FDSN). The details of the format are documented in the SEED Reference Manual, version 2.4 (published: 2009-01).	

## encoding\_type in SPICE\_Kernel

<b>Name: encoding_type</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The encoding_type attribute provides the storage format (binary or character).			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> SPICE_Kernel	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> None
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	Binary	The data object contains binary and possibly some character encoded data.	
	Character	The data object contains only character encoded data, for example ASCII or UTF-8 encoded characters.	

## enumeration\_flag in DD\_Value\_Domain

<b>Name: enumeration_flag</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The enumeration_flag attribute indicates whether there is an enumerated set of permissible values.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> DD_Value_Domain	<i>Type:</i> ASCII_Boolean
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Flag	<i>Conceptual Domain:</i> Boolean
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## enumeration\_flag in DD\_Value\_Domain\_Full

<b>Name: enumeration_flag</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The enumeration_flag attribute indicates whether there is an enumerated set of permissible values.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> DD_Value_Domain_Full	<i>Type:</i> ASCII_Boolean
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Flag	<i>Conceptual Domain:</i> Boolean
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## error\_constant in Special\_Constants

<b>Name: error_constant</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The error_constant attribute provides a value that indicates the original value was in error.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Special_Constants	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Constant	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## external\_namespace\_id in Property\_Map

<b>Name: external_namespace_id</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The external_namespace_id attribute provides a namespace_id external to this context.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> Property_Map	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> None
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## external\_property\_map\_id in Property\_Maps

<b>Name: external_property_map_id</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The external_property_map_id attribute provides the identifier of a property_map instance external to this context.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> Property_Maps	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> None
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## external\_property\_maps\_id in Ingest\_LDD

<b>Name: external_property_maps_id</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The external_property_maps_id attribute provides the identifier of a property_maps instance external to this context.			

Attributes in the common  
(pds) namespace.

<b>Name: external_property_maps_id</b>			<b>Version Id: 1.0.0.0</b>
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> Ingest_LDD	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> None
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## facet1 in Group\_Facet1

<b>Name: facet1</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The facet1 attribute provides a sub-categorization under the discipline_name. The values are restricted according to the value of discipline_name.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Group_Facet1	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> None
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	2D (Spectroscopy)	A 2D array in which each pixel value directly represents the spectral measurement at that point. The physical axes of the array align with the axes of the spectral data.	
	Color (Imaging)	3D data, typically with two spatial axes, where the third axis contains display color levels (RGB, CMYK, false color, etc.)	
	Color Movie (Imaging)	4D data, typically with two spatial, one color, and one temporal axis	
	Dust Study (Small Bodies)	Dust measurements of all kinds and all targets	
	Dynamical Properties (Small Bodies)	Orbital parameters, proper elements, etc.	
	Electric (Fields)	Electrical field measurements	
	Electrons (Particles)	Electron measurements	
	Gas Study (Small Bodies)	Gas measurements of all kinds and targets	
	Grayscale (Imaging)	2D data, typically with two spatial axes	
	Historical Reference (Small Bodies)	Discovery circumstances, reference collections	
	Ions (Particles)	Ion measurements	
	Lightcurve (Small Bodies)	Light intensity variation with time, including rotational, secular, and occultation light curves	
	Linear (Spectroscopy)	A table representing a single spectrum	

Attributes in the common  
(pds) namespace.

<i>Name: facet1</i>		<i>Version Id: 1.0.0.0</i>
	Magnetic (Fields)	Magnetic field measurements
	Meteoritics (Small Bodies)	Meteoroid streams, meteorite studies
	Meteorology (Atmospheres)	Meteorological observations
	Movie (Imaging)	3D data, typically with two spatial and one temporal axis
	Neutrals (Particles)	Neutral particle measurements
	Photometry (Flux Measurements)	Photon measurements resulting in magnitudes, colors, etc.
	Physical Properties (Small Bodies)	Mass, density, albedo, etc.
	Polarimetry (Flux Measurements)	Linear and circular polarization studies
	Production Rates (Small Bodies)	Quantification of mass loss from, e.g., the nucleus of a comet: molecular production rates, A <sub>1</sub> , etc.
	Ring Compositional Map (Ring-Moon Systems)	3D data, typically with two spatial axes, where the third axis uses either color or intensity to depict chemical or particle size variations within the rings.
	Ring Occultation Profile (Ring-Moon Systems)	Derived ring occultation data uniformly sampled along the radial axis. The occulted signal may be either, radio, solar, or stellar in origin.
	Ring Thermal Map (Ring-Moon Systems)	3D data, typically with two spatial axes, where the third axis uses either color or intensity to depict temperature variations within the rings.
	Satellite Astrometry (Ring-Moon Systems)	Astrometry of natural satellite in ring systems
	Shape Model (Small Bodies)	Shape models, slope models, terrain models, elevation models, etc.
	Spectral Cube (Spectroscopy)	Any 3D structure containing spectral data
	Spectral Image (Spectroscopy)	A 2D image of a spectrum, as projected on a focal plane. There may be multiple orders present, and the axes of the spectrum/spectra typically do not align with the edges of the image.
	Structure (Atmospheres)	Atmospheric structure observations
	Tabulated (Spectroscopy)	A table with one spectrum per record, possibly for a different target in each record
	Taxonomy (Small Bodies)	Physical and dynamical taxonomies of small bodies

## facet2 in Group\_Facet2

<b>Name: facet2</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The facet2 attribute provides a sub-categorization (under the discipline_name) of the type of data being described by Primary_Result_Summary. The facet1 and facet2 values are intended to provide independent sub-categorizations. The values are restricted according to the value of discipline_name. Type: ASCII_Short_String_Collapsed			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Group_Facet2	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> None
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	Background (Fields)	Data characterize the slowly varying background field (typically at less than 100 Hz)	
	Cosmic Ray (Particles)	Data characterize the particle environment at energies greater than about 10 MeV	
	Energetic (Particles)	Data characterize the particle environment at energies in the approximate range 30keV-0.1 MeV	
	Plasma (Particles)	Data characterize the particle environment at energies less than about 30keV	
	Solar Energetic (Particles)	Data characterize the particle environment at energies in the approximate range 0.1-10MeV	
	Waves (Fields)	Data characterize higher frequency field variations and/or oscillations (typically at greater than 100 Hz).	

## field\_delimiter in Table\_Delimited

<b>Name: field_delimiter</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The field_delimiter attribute provides the character that marks the boundary between two fields in a delimited table.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Table_Delimited	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Delimiter	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	Comma	Fields in the delimited table are delimited by a single ASCII comma character (0x2C)	
	Horizontal Tab	Fields in the delimited table are delimited by a single ASCII horizontal tab character (0x09)	

<b>Name: field_delimiter</b>		<b>Version Id: 1.0.0.0</b>
	Semicolon	Fields in the delimited table are delimited by a single ASCII semicolon character (0x3B)
	Vertical Bar	Fields in the delimited table are delimited by a single ASCII vertical bar character (0x7C)
	comma - *Deprecated*	Fields in the delimited table are delimited by ASCII commas (0x2C)
	horizontal tab - *Deprecated*	Fields in the delimited table are delimited by horizontal tab characters (0x09)
	semicolon - *Deprecated*	Fields in the delimited table are delimited by ASCII semicolons (0x3B)
	vertical bar - *Deprecated*	Fields in the delimited table are delimited by ASCII vertical bar characters (  - 0x7C)

## field\_format in Field\_Binary

<b>Name: field_format</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The field_format attribute gives the magnitude and precision of the data value. The standard POSIX string formats are used.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Field_Binary	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Format	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## field\_format in Field\_Bit

<b>Name: field_format</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The field_format attribute gives the magnitude and precision of the data value. The standard POSIX string formats are used.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Field_Bit	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Format	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## field\_format in Field\_Character

<b>Name: field_format</b>		<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The field_format attribute gives the magnitude and precision of the data value. The standard POSIX string formats are used.		

<b>Name: field_format</b>			<b>Version Id: 1.0.0.0</b>
Namespace Id: pds	Steward: pds	Class Name: Field_ Character	Type: ASCII_Short_ String_Collapsed
Minimum Value: None	Maximum Value: None	Minimum Characters: 1	Maximum Characters: 255
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: Format	Conceptual Domain: Short_String
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

## field\_format in Field\_Delimited

<b>Name: field_format</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The field_format attribute gives the magnitude and precision of the data value. The standard POSIX string formats are used.			
Namespace Id: pds	Steward: pds	Class Name: Field_ Delimited	Type: ASCII_Short_ String_Collapsed
Minimum Value: None	Maximum Value: None	Minimum Characters: 1	Maximum Characters: 255
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: Format	Conceptual Domain: Short_String
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

## field\_length in Field\_Binary

<b>Name: field_length</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The field_length attribute provides the number of bytes in the field.			
Namespace Id: pds	Steward: pds	Class Name: Field_ Binary	Type: ASCII_Integer
Minimum Value: 1	Maximum Value: None	Minimum Characters: None	Maximum Characters: None
Unit of Measure Type: Units_of_Storage	Default Unit Id: byte	Attribute Concept: Length	Conceptual Domain: Integer
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

## field\_length in Field\_Character

<b>Name: field_length</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The field_length attribute provides the number of bytes in the field.			
Namespace Id: pds	Steward: pds	Class Name: Field_ Character	Type: ASCII_Integer
Minimum Value: 1	Maximum Value: None	Minimum Characters: None	Maximum Characters: None
Unit of Measure Type: Units_of_Storage	Default Unit Id: byte	Attribute Concept: Length	Conceptual Domain: Integer



<b>Name: field_length</b>		<b>Version Id: 1.0.0.0</b>
Status: Active	Nillable: false	Pattern: None
Permissible Value(s)	No Values	

## field\_location in Field\_Binary

<b>Name: field_location</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The field_location attribute provides the starting byte for a field within a record or group, counting from '1'.			
Namespace Id: pds	Steward: pds	Class Name: Field_Binary	Type: ASCII_Integer
Minimum Value: 1	Maximum Value: None	Minimum Characters: None	Maximum Characters: None
Unit of Measure Type: Units_of_Storage	Default Unit Id: byte	Attribute Concept: Location	Conceptual Domain: Integer
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

## field\_location in Field\_Character

<b>Name: field_location</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The field_location attribute provides the starting byte for a field within a record or group, counting from '1'.			
Namespace Id: pds	Steward: pds	Class Name: Field_Character	Type: ASCII_Integer
Minimum Value: 1	Maximum Value: None	Minimum Characters: None	Maximum Characters: None
Unit of Measure Type: Units_of_Storage	Default Unit Id: byte	Attribute Concept: Location	Conceptual Domain: Integer
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

## field\_number in Field

<b>Name: field_number</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The field_number attribute provides the position of a field, within a series of fields, counting from 1. If two fields within a record are physically separated by one or more groups, they have consecutive field numbers; the fields within the intervening group(s) are numbered separately. Fields within a group separated by one or more (sub)groups, will also have consecutive field numbers.			
Namespace Id: pds	Steward: pds	Class Name: Field	Type: ASCII_Integer
Minimum Value: 1	Maximum Value: None	Minimum Characters: None	Maximum Characters: None
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: Number	Conceptual Domain: Integer
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

## fields in Group

<b>Name: fields</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The fields attribute provides a count of the total number of scalar fields directly associated with a group. Fields within (sub) groups of the group are not included in this count.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Group	<i>Type:</i> ASCII_Integer
<i>Minimum Value:</i> 0	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Count	<i>Conceptual Domain:</i> Integer
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## fields in Record

<b>Name: fields</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The fields attribute provides a count of the total number of scalar fields directly associated with a table record. Fields within groups within the record are not included in this count.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Record	<i>Type:</i> ASCII_Integer
<i>Minimum Value:</i> 0	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Count	<i>Conceptual Domain:</i> Integer
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## file\_name in File

<b>Name: file_name</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The file_name attribute provides the name of a file.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> File	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Name	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## file\_size in File

<b>Name: file_size</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The file_size attribute provides the size of the file.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> File	<i>Type:</i> ASCII_NonNegative_Integer

<b>Name: file_size</b>			<b>Version Id: 1.0.0.0</b>
<i>Minimum Value:</i> 0	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> Units_of_Storage	<i>Default Unit Id:</i> byte	<i>Attribute Concept:</i> Size	<i>Conceptual Domain:</i> Integer
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## files in Document\_Edition

<b>Name: files</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The files attribute provides the number of files in the edition.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Document_Edition	<i>Type:</i> ASCII_Integer
<i>Minimum Value:</i> 1	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> Integer
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## files in Software\_Binary

<b>Name: files</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The files attribute provides the number of files.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> Software_Binary	<i>Type:</i> ASCII_Integer
<i>Minimum Value:</i> 1	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Count	<i>Conceptual Domain:</i> Integer
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## files in Software\_Script

<b>Name: files</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The files attribute provides the number of files.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> Software_Script	<i>Type:</i> ASCII_Integer
<i>Minimum Value:</i> 1	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Count	<i>Conceptual Domain:</i> Integer
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## files in Software\_Source

<b>Name: files</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The files attribute provides the number of files.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> Software_Source	<i>Type:</i> ASCII_Integer
<i>Minimum Value:</i> 1	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Count	<i>Conceptual Domain:</i> Integer
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## filter\_number in Band\_Bin \*Deprecated\*

<b>Name: filter_number</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The filter_number attribute of a spectral qube describes the physical location of a band (identified by the band_number) in a detector array. Filter 1 is on the leading edge of the array.			
<i>Namespace Id:</i> pds	<i>Steward:</i> img	<i>Class Name:</i> Band_Bin *Deprecated*	<i>Type:</i> ASCII_Integer
<i>Minimum Value:</i> 1	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Number	<i>Conceptual Domain:</i> Integer
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## first\_sampling\_parameter\_value in Uniformly\_Sampled

<b>Name: first_sampling_parameter_value</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The first_sampling_parameter_value element provides the first value in an ascending series and is therefore the minimum value at which a given data item was sampled.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Uniformly_Sampled	<i>Type:</i> ASCII_Real
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Value	<i>Conceptual Domain:</i> Real
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## formation\_rule in ASCII\_DOI

<b>Name: formation_rule</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The formation_rule attribute provides a 'user friendly' instruction for forming values.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> ASCII_DOI	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	10.ssss/sss	The Digital Object Identifier (DOI) is expressed as the decimal number "10." followed by a character string followed by a forward slash "/" followed by another character string. The format and its use are specified by the International DOI Federation (see <a href="http://www.doi.org">http://www.doi.org</a> ).	

## formation\_rule in ASCII\_Date \*Deprecated\*

<b>Name: formation_rule</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The formation_rule attribute provides a 'user friendly' instruction for forming values.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> ASCII_Date *Deprecated*	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	YYYY-MM-DD/ YYYY-DOY	The date must be expressed in either the YYYY-MM-DD or the YYYY-DOY format where YYYY is the 4-digit year (-9999 to 9999), MM is the 2-digit month (01-12), DD is the 2-digit day-of-month (01-31), and DOY is the 3-digit day-of-year (001-366)	

## formation\_rule in ASCII\_Date\_DOY

<b>Name: formation_rule</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The formation_rule attribute provides a 'user friendly' instruction for forming values.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> ASCII_Date_DOY	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> Short_String

<b>Name: formation_rule</b>		<b>Version Id: 1.0.0.0</b>
Status: Active	Nillable: false	Pattern: None
Permissible Value(s)	Value	Value Meaning
	YYYY-DOY	The value must be expressed in the YYYY-DOY format where YYYY is the 4-digit year (-9999 to 9999) and DOY is the 3-digit day-of-year (001-366)

## formation\_rule in ASCII\_Date\_Time \*Deprecated\*

<b>Name: formation_rule</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The formation_rule attribute provides a 'user friendly' instruction for forming values.			
Namespace Id: pds	Steward: pds	Class Name: ASCII_Date_Time *Deprecated*	Type: ASCII_Short_String_Collapsed
Minimum Value: None	Maximum Value: None	Minimum Characters: 1	Maximum Characters: 255
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: None	Conceptual Domain: Short_String
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	Value	Value Meaning	
	YYYY-MM-DDTHH:MM:SS.SSS(Z) YYYY-DOYTHH:MM:SS.SSS(Z)	The date must be expressed in either the YYYY-MM-DD or the YYYY-DOY format where YYYY is the 4-digit year (-9999 to 9999), MM is the 2-digit month-of-year (01-12), DD is the 2-digit day-of-month, and DOY is the 3-digit day-of-year (001-366). "T" is a delimiter separating date and time. Time must be expressed in the HH:MM:SS.SSS(Z) format where HH is the 2-digit hour (00-23), MM is the 2-digit minute (00-59), SS is the 2-digit integer second (00-60), SSS is milliseconds (000-999), and "(Z)" indicates that "Z" may be optionally appended to denote UTC.	

## formation\_rule in ASCII\_Date\_Time\_DOY

<b>Name: formation_rule</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The formation_rule attribute provides a 'user friendly' instruction for forming values.			
Namespace Id: pds	Steward: pds	Class Name: ASCII_Date_Time_DOY	Type: ASCII_Short_String_Collapsed
Minimum Value: None	Maximum Value: None	Minimum Characters: 1	Maximum Characters: 255
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: None	Conceptual Domain: Short_String
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	Value	Value Meaning	

<b>Name: formation_rule</b>		<b>Version Id: 1.0.0.0</b>
	YYYY-DOYTHH:MM:SS.SSS(Z)	The date must be expressed in the YYYY-DOY format where YYYY is the 4-digit year (-9999 to 9999) and DOY is the 3-digit day-of-year (001-366). "T" is a delimiter separating date and time. Time must be expressed in the HH:MM:SS.SSS(Z) format where HH is the 2-digit hour (00-23), MM is the 2-digit minute (00-59), SS is the 2-digit integer second (00-60), SSS is milliseconds (000-999), and "(Z)" indicates that "Z" may be optionally appended to denote UTC.

## formation\_rule in ASCII\_Date\_Time\_DOY\_UTC

<b>Name: formation_rule</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The formation_rule attribute provides a 'user friendly' instruction for forming values.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> ASCII_Date_Time_DOY_UTC	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> None
<i>Status:</i> Active	<i>Nilable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	YYYY-DOYTHH:MM:SS.SSSZ	The date must be expressed in the YYYY-DOY format where YYYY is the 4-digit year (-9999 to 9999) and DOY is the 3-digit day-of-year (001-366). "T" is a delimiter separating date and time. Time must be expressed in the HH:MM:SS.SSSZ format where HH is the 2-digit hour (00-23), MM is the 2-digit minute (00-59), SS is the 2-digit integer second (00-60), SSS is milliseconds (000-999), and "Z" denotes UTC.	

## formation\_rule in ASCII\_Date\_Time\_UTC \*Deprecated\*

<b>Name: formation_rule</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The formation_rule attribute provides a 'user friendly' instruction for forming values.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> ASCII_Date_Time_UTC *Deprecated*	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255

<b>Name: formation_rule</b>			<b>Version Id: 1.0.0.0</b>
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	YYYY-MM-DDTHH:MM:SS.SSSZ/ YYYY-DOYTHH:MM:SS.SSSZ	The date must be expressed in either the YYYY-MM-DD or the YYYY-DOY format where YYYY is the 4-digit year (-9999 to 9999), MM is the 2-digit month-of-year (01-12), DD is the 2-digit day-of-month, and DOY is the 3-digit day-of-year (001-366). "T" is a delimiter separating date and time. Time must be expressed in the HH:MM:SS.SSS(Z) format where HH is the 2-digit hour (00-23), MM is the 2-digit minute (00-59), SS is the 2-digit integer second (00-60), SSS is milliseconds (000-999), and "Z" denotes that the combination is given in UTC.	

## formation\_rule in ASCII\_Date\_Time\_YMD

<b>Name: formation_rule</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The formation_rule attribute provides a 'user friendly' instruction for forming values.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> ASCII_Date_Time_YMD	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	YYYY-MM-DDTHH:MM:SS.SSS(Z)	The date must be expressed in the YYYY-MM-DD format where YYYY is the 4-digit year (-9999 to 9999), MM is the 2-digit month-of-year (01-12), DD is the 2-digit day-of-month, and DOY is the 3-digit day-of-year (001-366). "T" is a delimiter separating date and time. Time must be expressed in the HH:MM:SS.SSS(Z) format where HH is the 2-digit hour (00-23), MM is the 2-digit minute (00-59), SS is the 2-digit integer second (00-60), SSS is milliseconds (000-999), and "(Z)" indicates that "Z" may be optionally appended to denote UTC.	

## formation\_rule in ASCII\_Date\_Time\_YMD\_UTC

<b>Name: formation_rule</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The formation_rule attribute provides a 'user friendly' instruction for forming values.			



<b>Name: formation_rule</b>			<b>Version Id: 1.0.0.0</b>
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> ASCII_Date_Time_YMD_UTC	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> None
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	YYYY-MM-DDTHH:MM:SS.SSSZ	The date must be expressed in the YYYY-MM-DD format where YYYY is the 4-digit year (-9999 to 9999), MM is the 2-digit month-of-year (01-12), DD is the 2-digit day-of-month, and DOY is the 3-digit day-of-year (001-366). "T" is a delimiter separating date and time. Time must be expressed in the HH:MM:SS.SSS(Z) format where HH is the 2-digit hour (00-23), MM is the 2-digit minute (00-59), SS is the 2-digit integer second (00-60), SSS is milliseconds (000-999), and "Z" denotes UTC.	

## formation\_rule in ASCII\_Date\_YMD

<b>Name: formation_rule</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The formation_rule attribute provides a 'user friendly' instruction for forming values.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> ASCII_Date_YMD	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	YYYY-MM-DD	The date must be expressed in the YYYY-MM-DD format where YYYY is the 4-digit year (-9999 to 9999), MM is the 2-digit month-of-year (01-12), and DD is the 2-digit day-of-month (01-31).	

## formation\_rule in ASCII\_Directory\_Path\_Name

<b>Name: formation_rule</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The formation_rule attribute provides a 'user friendly' instruction for forming values.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> ASCII_Directory_Path_Name	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255

<b>Name: formation_rule</b>			<b>Version Id: 1.0.0.0</b>
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	dir1/dir2/	The path name to the directory must be given as the sequence of directories traversed between the current working directory and the target directory where each directory name is followed by the forward slash character ("/"). See the PDS4 Standards Reference section "File and Directory Naming" for rules on forming directory names.	

## formation\_rule in ASCII\_File\_Name

<b>Name: formation_rule</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The formation_rule attribute provides a 'user friendly' instruction for forming values.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> ASCII_File_Name	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	file_name.file_extension	The file name is expressed as a base file name plus a file name extension separated by the ASCII period character ("."). Rules for forming file names are given in the PDS4 Standards Reference section "File and Directory Naming".	

## formation\_rule in ASCII\_File\_Specification\_Name

<b>Name: formation_rule</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The formation_rule attribute provides a 'user friendly' instruction for forming values.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> ASCII_File_Specification_Name	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	dir1/dir2/file_name.file_extension	The complete path name to the file is given as the sequence of directories traversed between	

<b>Name: formation_rule</b>		<b>Version Id: 1.0.0.0</b>
		the current working directory and the target directory where each directory name is followed by the forward slash character ("/") plus the file name, which is expressed as a base file name plus a file name extension separated by the ASCII period character ("."). Rules for forming file and directory names are given in the PDS4 Standards Reference section "File and Directory Naming".

## formation\_rule in ASCII\_LID

<b>Name: formation_rule</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The formation_rule attribute provides a 'user friendly' instruction for forming values.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> ASCII_LID	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	urn:nasa:pds:xxxx	The logical identifier is formed by concatenating "urn", "nasa", and "pds" with an identifier (represented by "xxxx") chosen by the data provider. Colons separate the fields. Rules for forming logical identifiers are given in the PDS4 Standards Reference section "Logical Identifier".	

## formation\_rule in ASCII\_LIDVID

<b>Name: formation_rule</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The formation_rule attribute provides a 'user friendly' instruction for forming values.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> ASCII_LIDVID	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	urn:nasa:pds:xxxx::M.n	A versioned identifier (LIDVID) is formed by appending a version identifier (VID) of the form M.n to a logical identifier (LID) of the form urn:nasa:pds:xxxx. Rules for forming versioned identifiers are given in the PDS4 Standards Reference section "Identifiers".	

## formation\_rule in ASCII\_LIDVID\_LID

<b>Name: formation_rule</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The formation_rule attribute provides a 'user friendly' instruction for forming values.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> ASCII_LIDVID_LID	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	urn:nasa:pds:xxxx/ urn:nasa:pds:xxxx::M.n	The value must be a logical identifier (LID) of the form usa:nasa:psa:xxxx or a versioned identifier (LIDVID) of the form usa:nasa:pds:xxxx::M.n. Rules for forming logical and versioned identifiers are given in the PDS4 Standards Reference section "Identifiers".	

## formation\_rule in ASCII\_MD5\_Checksum

<b>Name: formation_rule</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The formation_rule attribute provides a 'user friendly' instruction for forming values.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> ASCII_MD5_Checksum	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	0123456789abcdef	The value must be a character string of exactly 32 characters consisting of the digits 0-9 and the lower case letters a-f or upper case letters A-F (but not mixed case).	

## formation\_rule in ASCII\_Time

<b>Name: formation_rule</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The formation_rule attribute provides a 'user friendly' instruction for forming values.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> ASCII_Time	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	

<b>Name: formation_rule</b>		<b>Version Id: 1.0.0.0</b>
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>
	HH:MM:SS.SSS	The time must be expressed in the HH:MM:SS.SSS format where HH is the 2-digit hour (00-23), MM is the 2-digit minute (00-59), SS is the 2-digit integer second (00-60), and SSS is milliseconds (000-999).

## formation\_rule in ASCII\_VID

<b>Name: formation_rule</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The formation_rule attribute provides a 'user friendly' instruction for forming values.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> ASCII_VID	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	M.n	A version identifier (VID) has the form M.n where M denotes the major version and n denotes the minor version. Rules for forming version identifiers are given in the PDS4 Standards Reference section "Identifiers".	

## formation\_rule in Character\_Data\_Type

<b>Name: formation_rule</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The formation_rule attribute provides a 'user friendly' instruction for forming values.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Character_Data_Type	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## formation\_rule in DD\_Value\_Domain

<b>Name: formation_rule</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The formation_rule attribute provides a 'user friendly' instruction for forming values.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> DD_Value_Domain	<i>Type:</i> ASCII_Text_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> None

<b>Name: formation_rule</b>			<b>Version Id: 1.0.0.0</b>
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> Text
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	No Values		

## formation\_rule in DD\_Value\_Domain\_Full

<b>Name: formation_rule</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The formation_rule attribute provides a 'user friendly' instruction for forming values.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> DD_ Value_Domain_Full	<i>Type:</i> ASCII_Text_ Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> Text
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	No Values		

## full\_name in Ingest\_LDD

<b>Name: full_name</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The full_name attribute provides the complete name for a person and includes titles and suffixes.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> Ingest_ LDD	<i>Type:</i> ASCII_Short_ String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Name	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	No Values		

## full\_name in Subscriber\_PDS3

<b>Name: full_name</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The full_name attribute provides the complete name for a person and includes titles and suffixes.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> Subscriber_PDS3	<i>Type:</i> ASCII_Short_ String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Name	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	No Values		

## full\_name in Update\_Entry

<b>Name: full_name</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The full_name attribute provides the complete name for a person and includes titles and suffixes.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Update_Entry	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Name	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## grating\_position in Band\_Bin \*Deprecated\*

<b>Name: grating_position</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The grating_position attribute of a spectral qube describes the grating position which corresponds to the band. Grating positions are usually assigned consecutively from 0, and increasing position causes increasing wavelength for each detector.			
<i>Namespace Id:</i> pds	<i>Steward:</i> img	<i>Class Name:</i> Band_Bin *Deprecated*	<i>Type:</i> ASCII_Integer
<i>Minimum Value:</i> 0	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> Integer
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## group\_length in Group\_Field\_Binary

<b>Name: group_length</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The group_length attribute provides the total length, in bytes, of a repeating field and/or group structure. It is the number of bytes in the repeating fields/groups plus any embedded unused bytes that are also repeated multiplied by the number of repetitions.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Group_Field_Binary	<i>Type:</i> ASCII_Integer
<i>Minimum Value:</i> 1	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> Units_of_Storage	<i>Default Unit Id:</i> byte	<i>Attribute Concept:</i> Length	<i>Conceptual Domain:</i> Integer
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## group\_length in Group\_Field\_Character

<b>Name: group_length</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The group_length attribute provides the total length, in bytes, of a repeating field and/or group structure. It is the number of bytes in the repeating fields/groups plus any embedded unused bytes that are also repeated multiplied by the number of repetitions.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Group_Field_Character	<i>Type:</i> ASCII_Integer
<i>Minimum Value:</i> 1	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> Units_of_Storage	<i>Default Unit Id:</i> byte	<i>Attribute Concept:</i> Length	<i>Conceptual Domain:</i> Integer
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## group\_location in Group\_Field\_Binary

<b>Name: group_location</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The group_location attribute provides the starting position for a Group_Field_Binary within the containing Record_Binary or Group_Field_Binary class, in bytes. Location '1' denotes the first byte of the containing class.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Group_Field_Binary	<i>Type:</i> ASCII_Integer
<i>Minimum Value:</i> 1	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> Units_of_Storage	<i>Default Unit Id:</i> byte	<i>Attribute Concept:</i> Location	<i>Conceptual Domain:</i> Integer
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## group\_location in Group\_Field\_Character

<b>Name: group_location</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The group_location attribute provides the starting position for a Group_Field_Character within the containing Record_Character or Group_Field_Character class, in bytes. Location '1' denotes the first byte of the containing class.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Group_Field_Character	<i>Type:</i> ASCII_Integer
<i>Minimum Value:</i> 1	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> Units_of_Storage	<i>Default Unit Id:</i> byte	<i>Attribute Concept:</i> Location	<i>Conceptual Domain:</i> Integer
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		



## group\_number in Group

<b>Name: group_number</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The group_number attribute provides the position of a group, within a series of groups, counting from 1. If two groups within a record are physically separated by one or more fields, they have consecutive group numbers; the intervening fields are numbered separately. Groups within a parent group, but separated by one or more fields, will also have consecutive group numbers.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Group	<i>Type:</i> ASCII_Integer
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Number	<i>Conceptual Domain:</i> Integer
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## groups in Group

<b>Name: groups</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The groups attribute provides a count of the number of (sub)groups within the repeating structure of a group. (Subsub)groups within (sub)groups within the group are not included in this count.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Group	<i>Type:</i> ASCII_Integer
<i>Minimum Value:</i> 0	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Count	<i>Conceptual Domain:</i> Integer
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## groups in Record

<b>Name: groups</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The groups attribute provides a count of the total number of groups directly associated with a table record. Groups within groups within the record are not included in this count.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Record	<i>Type:</i> ASCII_Integer
<i>Minimum Value:</i> 0	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Count	<i>Conceptual Domain:</i> Integer
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## high\_instrument\_saturation in Special\_Constants

<b>Name: high_instrument_saturation</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The high_instrument_saturation attribute specifies a special value whose presence indicates the measuring instrument was saturated at the high end. The value must be less than the value of the valid_minimum attribute or more than the value of the valid_maximum attribute. Values of this attribute should be represented in the same data_type as the elements in the object with which the Special_Constants class is associated.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Special_Constants	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> None
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## high\_representation\_saturation in Special\_Constants

<b>Name: high_representation_saturation</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The high_representative_saturation attribute specifies a special value whose presence indicates the true value cannot be represented in the chosen data type and length -- in this case being above the allowable range -- which may happen during conversion from another data type. The value must be less than the value of the valid_minimum attribute or more than the value of the valid_maximum attribute. Values of this attribute should be represented in the same data_type as the elements in the object with which the Special_Constants class is associated.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Special_Constants	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> None
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## identifier in Property\_Map

<b>Name: identifier</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The identifier attribute provides the formal name used to refer to an object.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> Property_Map	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> None

<b>Name: identifier</b>		<b>Version Id: 1.0.0.0</b>
Status: Active	Nillable: false	Pattern: None
Permissible Value(s)	No Values	

## identifier in Property\_Maps

<b>Name: identifier</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The identifier attribute provides the formal name used to refer to an object.			
Namespace Id: pds	Steward: ops	Class Name: Property_Maps	Type: ASCII_Short_String_Collapsed
Minimum Value: None	Maximum Value: None	Minimum Characters: 1	Maximum Characters: 255
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: None	Conceptual Domain: None
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

## information\_model\_version in Identification\_Area

<b>Name: information_model_version</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The information_model_version attribute provides the version identification of the PDS Information Model on which the label and schema are based.			
Namespace Id: pds	Steward: pds	Class Name: Identification_Area	Type: ASCII_Short_String_Collapsed
Minimum Value: None	Maximum Value: None	Minimum Characters: 1	Maximum Characters: 255
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: ID	Conceptual Domain: Short_String
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	Value	Value Meaning	
	1.0.0.0	Information Model version 1.0.0.0 was the first public release of PDS4 (May 7, 2013)	
	1.1.0.0	Information Model version 1.1.0.0 was released on October 1, 2013	
	1.2.0.0	Information Model version 1.2.0.0 was released on March 18, 2014.	
	1.2.0.1	Information Model version 1.2.0.1 was released on March 28, 2014.	
	1.3.0.0	Information Model version 1.3.0.0 was released on September 10, 2014.	
	1.3.0.1	Information Model version 1.3.0.1 was released on September 29, 2014.	
	1.4.0.0	Information Model version 1.4.0.0 was released on March 10, 2015.	

<b>Name: information_model_version</b>		<b>Version Id: 1.0.0.0</b>
	1.5.0.0	Information Model version 1.5.0.0 was released on September 30, 2015.
	1.6.0.0	Information Model version 1.6.0.0 was released on March 31, 2016.

## install\_note in Software\_Script

<b>Name: install_note</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The install note attribute provides a brief statement giving particulars about the installation of the software.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> Software_Script	<i>Type:</i> ASCII_Text_Preserved
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Note	<i>Conceptual Domain:</i> Text
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## instance\_id in Property\_Map

<b>Name: instance_id</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The instance_id attribute provides the formal name of a single occurrence of an object.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> Property_Map	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> None
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## instance\_id in Terminological\_Entry

<b>Name: instance_id</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The instance_id attribute provides the formal name of a single occurrence of an object.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> Terminological_Entry	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> None
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## institution\_name in Node

<b>Name: institution_name</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The institution_name attribute provides the name of the associated institution.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> Node	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Name	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> [a-zA-Z]{1}([-/_a-zA-Z0-9]*)	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## institution\_name in PDS\_Affiliate

<b>Name: institution_name</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The institution_name attribute provides the name of the associated institution.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> PDS_Affiliate	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Name	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> [a-zA-Z]{1}([-/_a-zA-Z0-9]*)	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## instrument\_desc in Instrument\_PDS3

<b>Name: instrument_desc</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The instrument_desc attribute describes a given instrument.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> Instrument_PDS3	<i>Type:</i> ASCII_Text_Preserved
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Description	<i>Conceptual Domain:</i> Text
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## instrument\_host\_desc in Instrument\_Host\_PDS3

<b>Name: instrument_host_desc</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The instrument_host_desc provides a description of an instrument host			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> Instrument_Host_PDS3	<i>Type:</i> ASCII_Text_Preserved

Attributes in the common  
(pds) namespace.

<b>Name: instrument_host_desc</b>			<b>Version Id: 1.0.0.0</b>
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Description	<i>Conceptual Domain:</i> Text
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## instrument\_host\_id in Instrument\_Host\_PDS3

<b>Name: instrument_host_id</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The instrument_host_id attribute provides a unique identifier for the host on which an instrument is located. This host can be either a spacecraft or an earth base (e.g. earth).			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> Instrument_Host_PDS3	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> ID	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## instrument\_host\_name in Instrument\_Host\_PDS3

<b>Name: instrument_host_name</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The instrument_host_name attribute provides the full name of the platform or facility upon which an instrument or other device is mounted. For example, the host can be a spacecraft, a ground-based telescope, or a laboratory.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> Instrument_Host_PDS3	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Name	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## instrument\_host\_type in Instrument\_Host\_PDS3

<b>Name: instrument_host_type</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The instrument_host_type attribute provides the type of host on which an instrument is based. For example instrument is located on a spacecraft instrument_host_type attribute would have the value SPACECRAFT.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> Instrument_Host_PDS3	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Type	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## instrument\_host\_version\_id in Instrument\_Host \*Deprecated\*

<b>Name: instrument_host_version_id *Deprecated*</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The instrument_host_version_id attribute provides the version of the instrument host.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Instrument_Host	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> None
<i>Status:</i> Deprecated	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## instrument\_id in Instrument\_PDS3

<b>Name: instrument_id</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The instrument id provides a formal name used to refer to an instrument.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> Instrument_PDS3	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> ID	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## instrument\_name in Instrument\_PDS3

<b>Name: instrument_name</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The instrument_name attribute provides a unique name for an instrument.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> Instrument_PDS3	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Name	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## instrument\_serial\_number in Instrument\_PDS3

<b>Name: instrument_serial_number</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The instrument serial number element provides the manufacturer's serial number assigned to an instrument. This number may be used to uniquely identify a particular instrument for tracing its components or determining its calibration history, for example.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> Instrument_PDS3	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Number	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## instrument\_type in Instrument\_PDS3

<b>Name: instrument_type</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The instrument_type attribute identifies the type of an instrument. Example values: POLARIMETER SPECTROMETER			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> Instrument_PDS3	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Type	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		



## instrument\_version\_id in Instrument\_PDS3

<b>Name: instrument_version_id</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The Instrument_Version_Id element identifies the specific model of an instrument used to obtain data. For example, this keyword could be used to distinguish between an engineering model of a camera used to acquire test data, and a flight model of a camera used to acquire science data during a mission.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> Instrument_PDS3	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> ID	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nilable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## interface\_type in Service

<b>Name: interface_type</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The interface type attribute identifies the class of interconnection provided.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> Service	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> None
<i>Status:</i> Active	<i>Nilable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	API	The tool or service provides an Application Programming Interface for interfacing with the software.	
	Command-Line	The tool provides a command-line interface and is most commonly executed in a terminal window.	
	GUI	The tool or service provides a graphical user interface, either as a desktop application or a web-based interface, for interfacing with the software.	
	Service	The service provides a web-based programming interface (e.g., HTTP, SOAP, etc.).	

## invalid\_constant in Special\_Constants

<b>Name: invalid_constant</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The invalid_constant attribute provides a value that indicates the original value was outside the valid range for the parameter.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Special_Constants	<i>Type:</i> ASCII_Short_String_Collapsed

<b>Name: invalid_constant</b>			<b>Version Id: 1.0.0.0</b>
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Constant	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	No Values		

## kernel\_type in SPICE\_Kernel

<b>Name: kernel_type</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The kernel_type attribute identifies the type of SPICE kernel.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> SPICE_Kernel	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Type	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	CK	SPICE_Kernel is type CK (orientation kernel)	
	DBK	SPICE_Kernel is type DBK (database kernel)	
	DSK	SPICE_Kernel is type DSK (digital shape kernel)	
	EK	SPICE_Kernel is type EK (events kernel)	
	FK	SPICE_Kernel is type FK (frames kernel)	
	IK	SPICE_Kernel is type IK (instrument kernel)	
	LSK	SPICE_Kernel is type LSK (leap seconds kernel)	
	MK	SPICE_Kernel is type MK (meta kernel, which names SPICE kernels to be used together)	
	PCK	SPICE_Kernel is type PCL (planetary constants kernel)	
	SCLK	SPICE_Kernel is type SCLK (spacecraft clock kernel)	
	SPK	SPICE_Kernel is type SPK (ephemeris kernel)	

## keyword in Citation\_Information

<b>Name: keyword</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The keyword attribute provides one or more words to be used for keyword search.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Citation_Information	<i>Type:</i> UTF8_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Text	<i>Conceptual Domain:</i> Short_String

<b>Name: keyword</b>		<b>Version Id: 1.0.0.0</b>
Status: Active	Nillable: false	Pattern: None
Permissible Value(s)	No Values	

## language in Document\_Edition

<b>Name: language</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The language attribute provides the language used for definition and designation of the term.			
Namespace Id: pds	Steward: pds	Class Name: Document_Edition	Type: ASCII_Short_String_Collapsed
Minimum Value: None	Maximum Value: None	Minimum Characters: 1	Maximum Characters: 255
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: None	Conceptual Domain: None
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

## language in Terminological\_Entry

<b>Name: language</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The language attribute provides the language used for definition and designation of the term.			
Namespace Id: pds	Steward: pds	Class Name: Terminological_Entry	Type: ASCII_Short_String_Collapsed
Minimum Value: None	Maximum Value: None	Minimum Characters: 1	Maximum Characters: 255
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: Text	Conceptual Domain: Short_String
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	Value	Value Meaning	
	English	Values in Terminological_Entry are in English	
	Russian	Values in Terminological_Entry are in Russian	

## last\_modification\_date\_time in Ingest\_LDD

<b>Name: last_modification_date_time</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The last_modification_date_time attribute gives the most recent date and time that a change was made.			
Namespace Id: pds	Steward: ops	Class Name: Ingest_LDD	Type: ASCII_Date_Time_YMD
Minimum Value: None	Maximum Value: None	Minimum Characters: None	Maximum Characters: None
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: Time	Conceptual Domain: Time
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

## last\_sampling\_parameter\_value in Uniformly\_Sampled

<b>Name:</b> last_sampling_parameter_value			<b>Version Id:</b> 1.0.0.0
<i>Description:</i> The last_sampling_parameter_value element provides the last value in an ascending series and is therefore the maximum value at which a given data item was sampled.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Uniformly_Sampled	<i>Type:</i> ASCII_Real
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Value	<i>Conceptual Domain:</i> Real
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	No Values		

## ldd\_version\_id in Ingest\_LDD

<b>Name:</b> ldd_version_id			<b>Version Id:</b> 1.0.0.0
<i>Description:</i> The ldd_version_id attribute provides the version of the Local Data Dictionary.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> Ingest_LDD	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> ID	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	No Values		

## ldd\_version\_id in XML\_Schema

<b>Name:</b> ldd_version_id			<b>Version Id:</b> 1.0.0.0
<i>Description:</i> The ldd_version_id attribute provides the version of the Local Data Dictionary.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> XML_Schema	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> None
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	No Values		

## lid\_reference in Bundle\_Member\_Entry

<b>Name:</b> lid_reference		<b>Version Id:</b> 1.0.0.0
<i>Description:</i> The lid_reference attribute provides the logical_identifier for a product.		

<b>Name: lid_reference</b>			<b>Version Id: 1.0.0.0</b>
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Bundle_Member_Entry	<i>Type:</i> ASCII_LID
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 14	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Reference	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## lid\_reference in Internal\_Reference

<b>Name: lid_reference</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The lid_reference attribute provides the logical_identifier for a product.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Internal_Reference	<i>Type:</i> ASCII_LID
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 14	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Reference	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## lidvid\_reference in Bundle\_Member\_Entry

<b>Name: lidvid_reference</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The lidvid_reference attribute provides the logical_identifier plus version_id, which uniquely identifies a product.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Bundle_Member_Entry	<i>Type:</i> ASCII_LIDVID
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 19	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Reference	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## lidvid\_reference in Internal\_Reference

<b>Name: lidvid_reference</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The lidvid_reference attribute provides the logical_identifier plus version_id, which uniquely identifies a product.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Internal_Reference	<i>Type:</i> ASCII_LIDVID
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 19	<i>Maximum Characters:</i> 255

<b>Name: lidvid_reference</b>			<b>Version Id: 1.0.0.0</b>
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Reference	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	No Values		

## line\_display\_direction in Display\_2D\_Image \*Deprecated\*

<b>Name: line_display_direction</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The line_display_direction element is the preferred orientation of lines within an image for viewing on a display device. Note that if this keyword is present in a label, the sample_display_direction keyword must also be present and must contain a value orthogonal to the value selected for this keyword.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Display_2D_Image *Deprecated*	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Direction	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	Down	The preferred orientation of lines within an image for viewing on a display device is Down	
	Up	The preferred orientation of lines within an image for viewing on a display device is Up	

## local\_identifier in Axis\_Array

<b>Name: local_identifier</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The local_identifier attribute provides a character string which uniquely identifies the containing object within the label.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Axis_Array	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> None
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	No Values		

## local\_identifier in Byte\_Stream

<b>Name: local_identifier</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The local_identifier attribute provides a character string which uniquely identifies the containing object within the label.			

<b>Name: local_identifier</b>			<b>Version Id: 1.0.0.0</b>
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Byte_Stream	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## local\_identifier in DD\_Association

<b>Name: local_identifier</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The local_identifier attribute provides a character string which uniquely identifies the containing object within the label.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> DD_Association	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## local\_identifier in DD\_Attribute

<b>Name: local_identifier</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The local_identifier attribute provides a character string which uniquely identifies the containing object within the label.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> DD_Attribute	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## local\_identifier in DD\_Attribute\_Full

<b>Name: local_identifier</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The local_identifier attribute provides a character string which uniquely identifies the containing object within the label.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> DD_Attribute_Full	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255

<b>Name: local_identifier</b>			<b>Version Id: 1.0.0.0</b>
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	No Values		

## local\_identifier in DD\_Class

<b>Name: local_identifier</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The local_identifier attribute provides a character string which uniquely identifies the containing object within the label.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> DD_Class	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	No Values		

## local\_identifier in DD\_Class\_Full

<b>Name: local_identifier</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The local_identifier attribute provides a character string which uniquely identifies the containing object within the label.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> DD_Class_Full	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	No Values		

## local\_identifier in DD\_Rule

<b>Name: local_identifier</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The local_identifier attribute provides a character string which uniquely identifies the containing object within the label.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> DD_Rule	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> None
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	No Values		



## local\_identifier in Field\_Statistics

<b>Name: local_identifier</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The local_identifier attribute provides a character string which uniquely identifies the containing object within the label.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Field_Statistics	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## local\_identifier in File

<b>Name: local_identifier</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The local_identifier attribute provides a character string which uniquely identifies the containing object within the label.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> File	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## local\_identifier in Geometry \*Deprecated\*

<b>Name: local_identifier</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The local_identifier attribute provides a character string which uniquely identifies the containing object within the label.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Geometry *Deprecated*	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> None
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## local\_identifier in Object\_Statistics

<b>Name: local_identifier</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The local_identifier attribute provides a character string which uniquely identifies the containing object within the label.			

<b>Name: local_identifier</b>			<b>Version Id: 1.0.0.0</b>
Namespace Id: pds	Steward: pds	Class Name: Object_Statistics	Type: ASCII_Short_String_Collapsed
Minimum Value: None	Maximum Value: None	Minimum Characters: 1	Maximum Characters: 255
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: None	Conceptual Domain: Short_String
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

## local\_identifier in Quaternion

<b>Name: local_identifier</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The local_identifier attribute provides a character string which uniquely identifies the containing object within the label.			
Namespace Id: pds	Steward: pds	Class Name: Quaternion	Type: ASCII_Short_String_Collapsed
Minimum Value: None	Maximum Value: None	Minimum Characters: 1	Maximum Characters: 255
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: None	Conceptual Domain: Short_String
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

## local\_identifier in Subscriber\_PDS3

<b>Name: local_identifier</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The local_identifier attribute provides a character string which uniquely identifies the containing object within the label.			
Namespace Id: pds	Steward: ops	Class Name: Subscriber_PDS3	Type: ASCII_Short_String_Collapsed
Minimum Value: None	Maximum Value: None	Minimum Characters: 1	Maximum Characters: 255
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: None	Conceptual Domain: Short_String
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

## local\_identifier in Update

<b>Name: local_identifier</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The local_identifier attribute provides a character string which uniquely identifies the containing object within the label.			
Namespace Id: pds	Steward: pds	Class Name: Update	Type: ASCII_Short_String_Collapsed
Minimum Value: None	Maximum Value: None	Minimum Characters: 1	Maximum Characters: 255

<b>Name: local_identifier</b>			<b>Version Id: 1.0.0.0</b>
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	No Values		

## local\_identifier in Vector

<b>Name: local_identifier</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The local_identifier attribute provides a character string which uniquely identifies the containing object within the label.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Vector	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	No Values		

## local\_identifier\_reference in Local\_Internal\_Reference

<b>Name: local_identifier_reference</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The local_identifier_reference attribute provides the value of the local_identifier of the entity described by the referencing class. Note that a local_identifier attribute, with the same value as this local_identifier_reference, must be present within the label.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Local_Internal_Reference	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> None
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	No Values		

## local\_mean\_solar\_time in Time\_Coordinates

<b>Name: local_mean_solar_time</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The local_mean_solar_time attribute provides the hour angle of the fictitious mean Sun at a fixed point on a rotating solar system body.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Time_Coordinates	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 8	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Time	<i>Conceptual Domain:</i> Short_String

<b>Name: local_mean_solar_time</b>		<b>Version Id: 1.0.0.0</b>
Status: Active	Nillable: false	Pattern: None
Permissible Value(s)	No Values	

## local\_reference\_type in Local\_Internal\_Reference

<b>Name: local_reference_type</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The local_reference_type attribute provides the name of an association between an entity identified by a local_identifier_reference and another corresponding entity identified by a local_identifier. The values for the local_reference_type are expected to be enumerated for appropriate contexts in the Schematron files of local (i.e., discipline and mission) data dictionaries.			
Namespace Id: pds	Steward: pds	Class Name: Local_Internal_Reference	Type: ASCII_Short_String_Collapsed
Minimum Value: None	Maximum Value: None	Minimum Characters: 1	Maximum Characters: 255
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: None	Conceptual Domain: None
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

## local\_true\_solar\_time in Time\_Coordinates

<b>Name: local_true_solar_time</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The local_true_solar_time (LTST) attribute provides the local time on a rotating solar system body where LTST is 12 h at the sub-solar point (SSP) and increases 1 h for each 15 degree increase in east longitude away from the SSP for prograde rotation.			
Namespace Id: pds	Steward: pds	Class Name: Time_Coordinates	Type: ASCII_Short_String_Collapsed
Minimum Value: None	Maximum Value: None	Minimum Characters: 8	Maximum Characters: 255
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: Time	Conceptual Domain: Short_String
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

## logical\_identifier in Identification\_Area

<b>Name: logical_identifier</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> A logical identifier identifies the set of all versions of an object. It is an object identifier without a version.			
Namespace Id: pds	Steward: pds	Class Name: Identification_Area	Type: ASCII_Short_String_Collapsed
Minimum Value: None	Maximum Value: None	Minimum Characters: 1	Maximum Characters: 255
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: None	Conceptual Domain: Short_String

<b>Name: logical_identifier</b>		<b>Version Id: 1.0.0.0</b>
Status: Active	Nillable: false	Pattern: None
Permissible Value(s)	No Values	

## low\_instrument\_saturation in Special\_Constants

<b>Name: low_instrument_saturation</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The low_instrument_saturation attribute specifies a special value whose presence indicates the measuring instrument was saturated at the low end. The value must be less than the value of the valid_minimum attribute. Values of this attribute should be represented in the same data_type as the elements in the object with which the Special_Constants class is associated.			
Namespace Id: pds	Steward: pds	Class Name: Special_Constants	Type: ASCII_Short_String_Collapsed
Minimum Value: None	Maximum Value: None	Minimum Characters: 1	Maximum Characters: 255
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: None	Conceptual Domain: None
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

## low\_representation\_saturation in Special\_Constants

<b>Name: low_representation_saturation</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The low_representation_saturation attribute specifies a special value whose presence indicates the true value cannot be represented in the chosen data type and length -- in this case being below the allowable range -- which may happen during conversion from another data type. The value must be less than the value of the valid_minimum attribute. Values of this attribute should be represented in the same data_type as the elements in the object with which the Special_Constants class is associated.			
Namespace Id: pds	Steward: pds	Class Name: Special_Constants	Type: ASCII_Short_String_Collapsed
Minimum Value: None	Maximum Value: None	Minimum Characters: 1	Maximum Characters: 255
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: None	Conceptual Domain: None
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

## manifest\_checksum in Information\_Package\_Component\_Deep\_Archive

<b>Name: manifest_checksum</b>	<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The manifest checksum provides the checksum for the manifest file.	

<b>Name: manifest_checksum</b>			<b>Version Id: 1.0.0.0</b>
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> Information_Package_ Component_Deep_ Archive	<i>Type:</i> ASCII_Short_ String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> None
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## manifest\_url in Information\_Package\_ Component\_Deep\_Archive

<b>Name: manifest_url</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The manifest url provides the URL to the manifest file.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> Information_Package_ Component_Deep_ Archive	<i>Type:</i> ASCII_Short_ String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> None
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## maximum in Field\_Statistics

<b>Name: maximum</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The maximum attribute provides the largest stored value which appears in the field over all records (empty fields and Special_Constants values are excluded).			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Field_ Statistics	<i>Type:</i> ASCII_Real
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Number	<i>Conceptual Domain:</i> Real
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## maximum in Object\_Statistics

<b>Name: maximum</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The maximum attribute provides the largest value which appears in the stored array after application of any bit mask (Special_Constants values are excluded).			

<b>Name: maximum</b>			<b>Version Id: 1.0.0.0</b>
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Object_Statistics	<i>Type:</i> ASCII_Real
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Number	<i>Conceptual Domain:</i> Real
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## maximum\_characters in ASCII\_AnyURI

<b>Name: maximum_characters</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The maximum_characters attribute provides the upper, inclusive bound on the number of characters.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> ASCII_AnyURI	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Count	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## maximum\_characters in ASCII\_DOI

<b>Name: maximum_characters</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The maximum_characters attribute provides the upper, inclusive bound on the number of characters.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> ASCII_DOI	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Count	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## maximum\_characters in ASCII\_Date

**\*Deprecated\***

<b>Name: maximum_characters</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The maximum_characters attribute provides the upper, inclusive bound on the number of characters.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> ASCII_Date *Deprecated*	<i>Type:</i> ASCII_Short_String_Collapsed

<b>Name: maximum_characters</b>			<b>Version Id: 1.0.0.0</b>
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Count	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	No Values		

## maximum\_characters in ASCII\_Date\_DOY

<b>Name: maximum_characters</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The maximum_characters attribute provides the upper, inclusive bound on the number of characters.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> ASCII_ Date_DOY	<i>Type:</i> ASCII_Short_ String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Count	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	No Values		

## maximum\_characters in ASCII\_Date\_Time \*Deprecated\*

<b>Name: maximum_characters</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The maximum_characters attribute provides the upper, inclusive bound on the number of characters.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> ASCII_Date_Time *Deprecated*	<i>Type:</i> ASCII_Short_ String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Count	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	No Values		

## maximum\_characters in ASCII\_Date\_Time\_ DOY

<b>Name: maximum_characters</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The maximum_characters attribute provides the upper, inclusive bound on the number of characters.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> ASCII_ Date_Time_DOY	<i>Type:</i> ASCII_Short_ String_Collapsed



<b>Name: maximum_characters</b>			<b>Version Id: 1.0.0.0</b>
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Count	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## maximum\_characters in ASCII\_Date\_Time\_UTC \*Deprecated\*

<b>Name: maximum_characters</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The maximum_characters attribute provides the upper, inclusive bound on the number of characters.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> ASCII_Date_Time_UTC *Deprecated*	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Count	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## maximum\_characters in ASCII\_Date\_Time\_YMD

<b>Name: maximum_characters</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The maximum_characters attribute provides the upper, inclusive bound on the number of characters.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> ASCII_Date_Time_YMD	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Count	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## maximum\_characters in ASCII\_Date\_YMD

<b>Name: maximum_characters</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The maximum_characters attribute provides the upper, inclusive bound on the number of characters.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> ASCII_Date_YMD	<i>Type:</i> ASCII_Short_String_Collapsed

<b>Name: maximum_characters</b>			<b>Version Id: 1.0.0.0</b>
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Count	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## maximum\_characters in ASCII\_Directory\_Path\_Name

<b>Name: maximum_characters</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The maximum_characters attribute provides the upper, inclusive bound on the number of characters.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> ASCII_Directory_Path_Name	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Count	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	255	Values of ASCII_Directory_Path_Name may have no more than 255 characters	

## maximum\_characters in ASCII\_File\_Name

<b>Name: maximum_characters</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The maximum_characters attribute provides the upper, inclusive bound on the number of characters.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> ASCII_File_Name	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Count	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	255	Values of ASCII_File_Name may have no more than 255 characters	

## maximum\_characters in ASCII\_File\_Specification\_Name

<b>Name: maximum_characters</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The maximum_characters attribute provides the upper, inclusive bound on the number of characters.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> ASCII_File_Specification_Name	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Count	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	255	Values of ASCII_File_Specification_Name may have no more than 255 characters	

## maximum\_characters in ASCII\_Integer

<b>Name: maximum_characters</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The maximum_characters attribute provides the upper, inclusive bound on the number of characters.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> ASCII_Integer	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Count	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## maximum\_characters in ASCII\_LID

<b>Name: maximum_characters</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The maximum_characters attribute provides the upper, inclusive bound on the number of characters.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> ASCII_LID	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Count	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	

<b>Name: maximum_characters</b>		<b>Version Id: 1.0.0.0</b>
	255	Values of ASCII_LID may have no more than 255 characters

## maximum\_characters in ASCII\_LIDVID

<b>Name: maximum_characters</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The maximum_characters attribute provides the upper, inclusive bound on the number of characters.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> ASCII_LIDVID	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Count	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	255	Values of ASCII_LIDVID may have no more than 255 characters	

## maximum\_characters in ASCII\_LIDVID\_LID

<b>Name: maximum_characters</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The maximum_characters attribute provides the upper, inclusive bound on the number of characters.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> ASCII_LIDVID_LID	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Count	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	255	Values of ASCII_LIDVID_LID may have no more than 255 characters	

## maximum\_characters in ASCII\_MD5\_Checksum

<b>Name: maximum_characters</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The maximum_characters attribute provides the upper, inclusive bound on the number of characters.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> ASCII_MD5_Checksum	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255

<b>Name: maximum_characters</b>			<b>Version Id: 1.0.0.0</b>
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Count	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	32	Values of ASCII_MD5_Checksum may have no more than 32 characters	

## maximum\_characters in ASCII\_NonNegative\_Integer

<b>Name: maximum_characters</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The maximum_characters attribute provides the upper, inclusive bound on the number of characters.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> ASCII_NonNegative_Integer	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Count	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## maximum\_characters in ASCII\_Numeric\_Base16

<b>Name: maximum_characters</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The maximum_characters attribute provides the upper, inclusive bound on the number of characters.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> ASCII_Numeric_Base16	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Count	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	255	Values of ASCII_Numeric_Base16 may have no more than 255 characters	

## maximum\_characters in ASCII\_Numeric\_Base2

<b>Name: maximum_characters</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The maximum_characters attribute provides the upper, inclusive bound on the number of characters.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> ASCII_Numeric_Base2	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Count	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	255	Values of ASCII_Numeric_Base2 may have no more than 255 characters	

## maximum\_characters in ASCII\_Numeric\_Base8

<b>Name: maximum_characters</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The maximum_characters attribute provides the upper, inclusive bound on the number of characters.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> ASCII_Numeric_Base8	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Count	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	255	Values of ASCII_Numeric_Base8 may have no more than 255 characters	

## maximum\_characters in ASCII\_Real

<b>Name: maximum_characters</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The maximum_characters attribute provides the upper, inclusive bound on the number of characters.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> ASCII_Real	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Count	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	

<b>Name: maximum_characters</b>		<b>Version Id: 1.0.0.0</b>
<i>Permissible Value(s)</i>	No Values	

## maximum\_characters in ASCII\_Short\_String\_Collapsed

<b>Name: maximum_characters</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The maximum_characters attribute provides the upper, inclusive bound on the number of characters.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> ASCII_Short_String_Collapsed	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Count	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	255	Values of ASCII_Short_String_Collapsed may have no more than 255 characters	

## maximum\_characters in ASCII\_Short\_String\_Preserved

<b>Name: maximum_characters</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The maximum_characters attribute provides the upper, inclusive bound on the number of characters.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> ASCII_Short_String_Preserved	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Count	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	255	Values of ASCII_Short_String_Preserved may have no more than 255 characters	

## maximum\_characters in ASCII\_Text\_Collapsed

<b>Name: maximum_characters</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The maximum_characters attribute provides the upper, inclusive bound on the number of characters.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> ASCII_Text_Collapsed	<i>Type:</i> ASCII_Short_String_Collapsed

<b>Name: maximum_characters</b>			<b>Version Id: 1.0.0.0</b>
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Count	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## maximum\_characters in ASCII\_Text\_Preserved

<b>Name: maximum_characters</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The maximum_characters attribute provides the upper, inclusive bound on the number of characters.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> ASCII_Text_Preserved	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Count	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## maximum\_characters in ASCII\_Time

<b>Name: maximum_characters</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The maximum_characters attribute provides the upper, inclusive bound on the number of characters.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> ASCII_Time	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Count	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## maximum\_characters in ASCII\_VID

<b>Name: maximum_characters</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The maximum_characters attribute provides the upper, inclusive bound on the number of characters.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> ASCII_VID	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255



<b>Name: maximum_characters</b>			<b>Version Id: 1.0.0.0</b>
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Count	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	100	Values of ASCII_VID may have no more than 100 characters	

## maximum\_characters in Character\_Data\_Type

<b>Name: maximum_characters</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The maximum_characters attribute provides the upper, inclusive bound on the number of characters.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Character_Data_Type	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Count	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## maximum\_characters in DD\_Value\_Domain

<b>Name: maximum_characters</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The maximum_characters attribute provides the upper, inclusive bound on the number of characters.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> DD_Value_Domain	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Count	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## maximum\_characters in DD\_Value\_Domain\_Full

<b>Name: maximum_characters</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The maximum_characters attribute provides the upper, inclusive bound on the number of characters.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> DD_Value_Domain_Full	<i>Type:</i> ASCII_Short_String_Collapsed

<b>Name: maximum_characters</b>			<b>Version Id: 1.0.0.0</b>
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Count	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## maximum\_characters in UTF8\_Short\_String\_Collapsed

<b>Name: maximum_characters</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The maximum_characters attribute provides the upper, inclusive bound on the number of characters.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> UTF8_Short_String_Collapsed	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Count	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	255	Values of UTF8_Short_String_Collapsed may have no more than 255 characters	

## maximum\_characters in UTF8\_Short\_String\_Preserved

<b>Name: maximum_characters</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The maximum_characters attribute provides the upper, inclusive bound on the number of characters.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> UTF8_Short_String_Preserved	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Count	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	255	Values of UTF8_Short_String_Preserved may have no more than 255 characters	

## maximum\_characters in UTF8\_Text\_Preserved

<b>Name: maximum_characters</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The maximum_characters attribute provides the upper, inclusive bound on the number of characters.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> UTF8_Text_Preserved	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Count	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## maximum\_field\_length in Field\_Delimited

<b>Name: maximum_field_length</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The maximum_field_length attribute sets an upper, inclusive bound on the number of bytes in the field.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Field_Delimited	<i>Type:</i> ASCII_Integer
<i>Minimum Value:</i> 1	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> Units_of_Storage	<i>Default Unit Id:</i> byte	<i>Attribute Concept:</i> Length	<i>Conceptual Domain:</i> Integer
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## maximum\_occurrences in DD\_Association

<b>Name: maximum_occurrences</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The maximum occurrences attribute indicates the number of times something may occur. It is also called the maximum cardinality. The asterisk character is used as a value to indicate that no upper bound exists.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> DD_Association	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Count	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## maximum\_occurrences in DD\_Association\_External \*Deprecated\*

<b>Name: maximum_occurrences</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The maximum occurrences attribute indicates the number of times something may occur. It is also called the maximum cardinality. The asterisk character is used as a value to indicate that no upper bound exists.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> DD_Association_External *Deprecated*	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> None
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## maximum\_record\_length in Record\_Delimited

<b>Name: maximum_record_length</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The maximum_record_length attribute provides the maximum length of a record, including the record delimiter.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Record_Delimited	<i>Type:</i> ASCII_Integer
<i>Minimum Value:</i> 1	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> Units_of_Storage	<i>Default Unit Id:</i> byte	<i>Attribute Concept:</i> Length	<i>Conceptual Domain:</i> Integer
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## maximum\_scaled\_value in Object\_Statistics

<b>Name: maximum_scaled_value</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The maximum_scaled_value attribute provides the maximum value after application of scaling_factor and value_offset (see their definitions; maximum_scaled_value is the maximum of Ov).			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Object_Statistics	<i>Type:</i> ASCII_Real
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Number	<i>Conceptual Domain:</i> Real
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## maximum\_value in ASCII\_Date\_Time \*Deprecated\*

<b>Name: maximum_value</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The maximum_value attribute provides the upper, inclusive bound on the value.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> ASCII_Date_Time *Deprecated*	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Value	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## maximum\_value in ASCII\_Date\_Time\_DOY

<b>Name: maximum_value</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The maximum_value attribute provides the upper, inclusive bound on the value.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> ASCII_Date_Time_DOY	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Value	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## maximum\_value in ASCII\_Date\_Time\_UTC \*Deprecated\*

<b>Name: maximum_value</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The maximum_value attribute provides the upper, inclusive bound on the value.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> ASCII_Date_Time_UTC *Deprecated*	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Value	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## maximum\_value in ASCII\_Date\_Time\_YMD

<b>Name:</b> maximum_value			<b>Version Id:</b> 1.0.0.0
<i>Description:</i> The maximum_value attribute provides the upper, inclusive bound on the value.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> ASCII_Date_Time_YMD	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Value	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## maximum\_value in ASCII\_Integer

<b>Name:</b> maximum_value			<b>Version Id:</b> 1.0.0.0
<i>Description:</i> The maximum_value attribute provides the upper, inclusive bound on the value.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> ASCII_Integer	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Value	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## maximum\_value in ASCII\_LID

<b>Name:</b> maximum_value			<b>Version Id:</b> 1.0.0.0
<i>Description:</i> The maximum_value attribute provides the upper, inclusive bound on the value.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> ASCII_LID	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Value	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## maximum\_value in ASCII\_NonNegative\_Integer

<b>Name:</b> maximum_value			<b>Version Id:</b> 1.0.0.0
<i>Description:</i> The maximum_value attribute provides the upper, inclusive bound on the value.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> ASCII_NonNegative_Integer	<i>Type:</i> ASCII_Short_String_Collapsed

<b>Name: maximum_value</b>			<b>Version Id: 1.0.0.0</b>
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Value	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	No Values		

## maximum\_value in ASCII\_Numeric\_Base16

<b>Name: maximum_value</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The maximum_value attribute provides the upper, inclusive bound on the value.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> ASCII_Numeric_Base16	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Value	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	No Values		

## maximum\_value in ASCII\_Numeric\_Base2

<b>Name: maximum_value</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The maximum_value attribute provides the upper, inclusive bound on the value.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> ASCII_Numeric_Base2	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Value	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	No Values		

## maximum\_value in ASCII\_Real

<b>Name: maximum_value</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The maximum_value attribute provides the upper, inclusive bound on the value.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> ASCII_Real	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Value	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	No Values		

## maximum\_value in ASCII\_Short\_String\_Collapsed

<b>Name: maximum_value</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The maximum_value attribute provides the upper, inclusive bound on the value.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> ASCII_Short_String_Collapsed	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Value	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## maximum\_value in ASCII\_Short\_String\_Preserved

<b>Name: maximum_value</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The maximum_value attribute provides the upper, inclusive bound on the value.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> ASCII_Short_String_Preserved	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Value	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## maximum\_value in ASCII\_Text\_Preserved

<b>Name: maximum_value</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The maximum_value attribute provides the upper, inclusive bound on the value.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> ASCII_Text_Preserved	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Value	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## maximum\_value in ASCII\_Time

<b>Name: maximum_value</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The maximum_value attribute provides the upper, inclusive bound on the value.			



<b>Name: maximum_value</b>			<b>Version Id: 1.0.0.0</b>
Namespace Id: pds	Steward: pds	Class Name: ASCII_ Time	Type: ASCII_Short_ String_Collapsed
Minimum Value: None	Maximum Value: None	Minimum Characters: 1	Maximum Characters: 255
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: Value	Conceptual Domain: Short_String
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

## maximum\_value in ASCII\_VID

<b>Name: maximum_value</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The maximum_value attribute provides the upper, inclusive bound on the value.			
Namespace Id: pds	Steward: pds	Class Name: ASCII_ VID	Type: ASCII_Short_ String_Collapsed
Minimum Value: None	Maximum Value: None	Minimum Characters: 1	Maximum Characters: 255
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: Value	Conceptual Domain: Short_String
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

## maximum\_value in Character\_Data\_Type

<b>Name: maximum_value</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The maximum_value attribute provides the upper, inclusive bound on the value.			
Namespace Id: pds	Steward: pds	Class Name: Character_Data_Type	Type: ASCII_Short_ String_Collapsed
Minimum Value: None	Maximum Value: None	Minimum Characters: 1	Maximum Characters: 255
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: Value	Conceptual Domain: Short_String
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

## maximum\_value in DD\_Value\_Domain

<b>Name: maximum_value</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The maximum_value attribute provides the upper, inclusive bound on the value.			
Namespace Id: pds	Steward: ops	Class Name: DD_ Value_Domain	Type: ASCII_Short_ String_Collapsed
Minimum Value: None	Maximum Value: None	Minimum Characters: 1	Maximum Characters: 255
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: Value	Conceptual Domain: Short_String

<b>Name: maximum_value</b>		<b>Version Id: 1.0.0.0</b>
Status: Active	Nillable: false	Pattern: None
Permissible Value(s)	No Values	

## maximum\_value in DD\_Value\_Domain\_Full

<b>Name: maximum_value</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The maximum_value attribute provides the upper, inclusive bound on the value.			
Namespace Id: pds	Steward: ops	Class Name: DD_Value_Domain_Full	Type: ASCII_Short_String_Collapsed
Minimum Value: None	Maximum Value: None	Minimum Characters: 1	Maximum Characters: 255
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: Value	Conceptual Domain: Short_String
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

## maximum\_value in UTF8\_Short\_String\_Collapsed

<b>Name: maximum_value</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The maximum_value attribute provides the upper, inclusive bound on the value.			
Namespace Id: pds	Steward: pds	Class Name: UTF8_Short_String_Collapsed	Type: ASCII_Short_String_Collapsed
Minimum Value: None	Maximum Value: None	Minimum Characters: 1	Maximum Characters: 255
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: Value	Conceptual Domain: Short_String
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

## maximum\_value in UTF8\_Short\_String\_Preserved

<b>Name: maximum_value</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The maximum_value attribute provides the upper, inclusive bound on the value.			
Namespace Id: pds	Steward: pds	Class Name: UTF8_Short_String_Preserved	Type: ASCII_Short_String_Collapsed
Minimum Value: None	Maximum Value: None	Minimum Characters: 1	Maximum Characters: 255
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: Value	Conceptual Domain: Short_String
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

## maximum\_value in UTF8\_Text\_Preserved

<b>Name: maximum_value</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The maximum_value attribute provides the upper, inclusive bound on the value.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> UTF8_Text_Preserved	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Value	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## md5\_checksum in File

<b>Name: md5_checksum</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The md5_checksum attribute is the 32-character hexadecimal number computed for a file using the MD5 algorithm.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> File	<i>Type:</i> ASCII_MD5_Checksum
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 32	<i>Maximum Characters:</i> 32
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Checksum	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> ([a-f0-9]{32})	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## md5\_checksum in Object\_Statistics

<b>Name: md5_checksum</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The md5_checksum attribute is the 32-character hexadecimal number computed for a file using the MD5 algorithm.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Object_Statistics	<i>Type:</i> ASCII_MD5_Checksum
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 32	<i>Maximum Characters:</i> 32
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Checksum	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> ([a-f0-9]{32})	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## mean in Field\_Statistics

<b>Name: mean</b>		<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The mean attribute provides the sum of the stored field values divided by the number of values in all records (empty fields and Special_Constants values are excluded from both the sum and the count).		

<b>Name: mean</b>			<b>Version Id: 1.0.0.0</b>
Namespace Id: pds	Steward: pds	Class Name: Field_Statistics	Type: ASCII_Real
Minimum Value: None	Maximum Value: None	Minimum Characters: None	Maximum Characters: None
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: Number	Conceptual Domain: Real
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

## mean in Object\_Statistics

<b>Name: mean</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The mean attribute provides the sum of the stored array element values (after application of any bit mask) divided by the number of elements (Special_Constants values are excluded from both the sum and the count).			
Namespace Id: pds	Steward: pds	Class Name: Object_Statistics	Type: ASCII_Real
Minimum Value: None	Maximum Value: None	Minimum Characters: None	Maximum Characters: None
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: Number	Conceptual Domain: Real
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

## median in Field\_Statistics

<b>Name: median</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The median attribute provides the number separating the larger half of stored field values from the algebraically smaller half over all records (empty fields and Special_Constants values are excluded from the sort).			
Namespace Id: pds	Steward: pds	Class Name: Field_Statistics	Type: ASCII_Real
Minimum Value: None	Maximum Value: None	Minimum Characters: None	Maximum Characters: None
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: Number	Conceptual Domain: Real
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

## median in Object\_Statistics

<b>Name: median</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The median attribute provides the number separating the larger half of stored array element values from the algebraically smaller half after application of any bit mask (Special_Constants values are excluded from the sort).			
Namespace Id: pds	Steward: pds	Class Name: Object_Statistics	Type: ASCII_Real

<b>Name: median</b>			<b>Version Id: 1.0.0.0</b>
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Number	<i>Conceptual Domain:</i> Real
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	No Values		

## medium\_type in NSSDC

<b>Name: medium_type</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The medium_type attribute identifies the physical storage medium for a data volume. Examples: CD-ROM, CARTRIDGE TAPE.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> NSSDC	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Type	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	No Values		

## medium\_type in Volume\_PDS3

<b>Name: medium_type</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The medium_type attribute identifies the physical storage medium for a data volume. Examples: CD-ROM, CARTRIDGE TAPE.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> Volume_PDS3	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Type	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	No Values		

## member\_status in Bundle\_Member\_Entry

<b>Name: member_status</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The member_status attribute indicates whether the collection is primary and whether the file_specification_name has been provided for the product_collection label.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Bundle_Member_Entry	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> ID	<i>Conceptual Domain:</i> Short_String

<b>Name: member_status</b>		<b>Version Id: 1.0.0.0</b>
Status: Active	Nillable: false	Pattern: None
Permissible Value(s)	Value	Value Meaning
	Primary	The collection is a primary member of the bundle
	Secondary	The collection is a secondary member of the bundle

## minimum in Field\_Statistics

<b>Name: minimum</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The minimum attribute provides the algebraically smallest stored value which appears in the field over all records (empty fields and Special_Constants values are excluded).			
Namespace Id: pds	Steward: pds	Class Name: Field_Statistics	Type: ASCII_Real
Minimum Value: None	Maximum Value: None	Minimum Characters: None	Maximum Characters: None
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: Number	Conceptual Domain: Real
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

## minimum in Object\_Statistics

<b>Name: minimum</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The minimum attribute provides the algebraically smallest value which appears in the stored array after application of any bit mask (Special_Constants values are excluded).			
Namespace Id: pds	Steward: pds	Class Name: Object_Statistics	Type: ASCII_Real
Minimum Value: None	Maximum Value: None	Minimum Characters: None	Maximum Characters: None
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: Number	Conceptual Domain: Real
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

## minimum\_characters in ASCII\_AnyURI

<b>Name: minimum_characters</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The minimum_characters attribute provides the lower, inclusive bound on the number of characters.			
Namespace Id: pds	Steward: pds	Class Name: ASCII_AnyURI	Type: ASCII_Short_String_Collapsed
Minimum Value: None	Maximum Value: None	Minimum Characters: 1	Maximum Characters: 255
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: Count	Conceptual Domain: Short_String

<b>Name: minimum_characters</b>			<b>Version Id: 1.0.0.0</b>
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

## minimum\_characters in ASCII\_DOI

<b>Name: minimum_characters</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The minimum_characters attribute provides the lower, inclusive bound on the number of characters.			
Namespace Id: pds	Steward: pds	Class Name: ASCII_DOI	Type: ASCII_Short_String_Collapsed
Minimum Value: None	Maximum Value: None	Minimum Characters: 1	Maximum Characters: 255
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: Count	Conceptual Domain: Short_String
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

## minimum\_characters in ASCII\_Date \*Deprecated\*

<b>Name: minimum_characters</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The minimum_characters attribute provides the lower, inclusive bound on the number of characters.			
Namespace Id: pds	Steward: pds	Class Name: ASCII_Date *Deprecated*	Type: ASCII_Short_String_Collapsed
Minimum Value: None	Maximum Value: None	Minimum Characters: 1	Maximum Characters: 255
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: Count	Conceptual Domain: Short_String
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

## minimum\_characters in ASCII\_Date\_DOY

<b>Name: minimum_characters</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The minimum_characters attribute provides the lower, inclusive bound on the number of characters.			
Namespace Id: pds	Steward: pds	Class Name: ASCII_Date_DOY	Type: ASCII_Short_String_Collapsed
Minimum Value: None	Maximum Value: None	Minimum Characters: 1	Maximum Characters: 255
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: Count	Conceptual Domain: Short_String
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

## minimum\_characters in ASCII\_Date\_Time \*Deprecated\*

<b>Name: minimum_characters</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The minimum_characters attribute provides the lower, inclusive bound on the number of characters.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> ASCII_Date_Time *Deprecated*	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Count	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## minimum\_characters in ASCII\_Date\_Time\_DOY

<b>Name: minimum_characters</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The minimum_characters attribute provides the lower, inclusive bound on the number of characters.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> ASCII_Date_Time_DOY	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Count	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## minimum\_characters in ASCII\_Date\_Time\_UTC \*Deprecated\*

<b>Name: minimum_characters</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The minimum_characters attribute provides the lower, inclusive bound on the number of characters.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> ASCII_Date_Time_UTC *Deprecated*	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Count	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	



<b>Name: minimum_characters</b>		<b>Version Id: 1.0.0.0</b>
<i>Permissible Value(s)</i>	<i>No Values</i>	

## minimum\_characters in ASCII\_Date\_Time\_YMD

<b>Name: minimum_characters</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The minimum_characters attribute provides the lower, inclusive bound on the number of characters.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> ASCII_Date_Time_YMD	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Count	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## minimum\_characters in ASCII\_Date\_YMD

<b>Name: minimum_characters</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The minimum_characters attribute provides the lower, inclusive bound on the number of characters.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> ASCII_Date_YMD	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Count	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## minimum\_characters in ASCII\_Directory\_Path\_Name

<b>Name: minimum_characters</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The minimum_characters attribute provides the lower, inclusive bound on the number of characters.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> ASCII_Directory_Path_Name	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Count	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	

<b>Name: minimum_characters</b>		<b>Version Id: 1.0.0.0</b>
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>
	1	Values of ASCII_Directory_Path_Name must have at least 1 character

## minimum\_characters in ASCII\_File\_Name

<b>Name: minimum_characters</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The minimum_characters attribute provides the lower, inclusive bound on the number of characters.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> ASCII_File_Name	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Count	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	1	Values of ASCII_File_Name must have at least one character	

## minimum\_characters in ASCII\_File\_Specification\_Name

<b>Name: minimum_characters</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The minimum_characters attribute provides the lower, inclusive bound on the number of characters.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> ASCII_File_Specification_Name	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Count	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	1	Values of ASCII_File_Specification_Name must have at least 1 character	

## minimum\_characters in ASCII\_Integer

<b>Name: minimum_characters</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The minimum_characters attribute provides the lower, inclusive bound on the number of characters.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> ASCII_Integer	<i>Type:</i> ASCII_Short_String_Collapsed

<b>Name: minimum_characters</b>			<b>Version Id: 1.0.0.0</b>
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Count	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## minimum\_characters in ASCII\_LID

<b>Name: minimum_characters</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The minimum_characters attribute provides the lower, inclusive bound on the number of characters.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> ASCII_LID	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Count	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	14	Values of ASCII_LID must have at least 14 characters	

## minimum\_characters in ASCII\_LIDVID

<b>Name: minimum_characters</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The minimum_characters attribute provides the lower, inclusive bound on the number of characters.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> ASCII_LIDVID	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Count	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	19	Values of ASCII_LIDVID must have at least 19 characters	

## minimum\_characters in ASCII\_LIDVID\_LID

<b>Name: minimum_characters</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The minimum_characters attribute provides the lower, inclusive bound on the number of characters.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> ASCII_LIDVID_LID	<i>Type:</i> ASCII_Short_String_Collapsed

<b>Name: minimum_characters</b>			<b>Version Id: 1.0.0.0</b>
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Count	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	14	Values of ASCII_LIDVID_LID must have at least 14 characters	

## minimum\_characters in ASCII\_MD5\_Checksum

<b>Name: minimum_characters</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The minimum_characters attribute provides the lower, inclusive bound on the number of characters.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> ASCII_MD5_Checksum	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Count	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	32	Values of ASCII_MD5_Checksum must have at least 32 characters	

## minimum\_characters in ASCII\_NonNegative\_Integer

<b>Name: minimum_characters</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The minimum_characters attribute provides the lower, inclusive bound on the number of characters.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> ASCII_NonNegative_Integer	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Count	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## minimum\_characters in ASCII\_Numeric\_Base16

<b>Name: minimum_characters</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The minimum_characters attribute provides the lower, inclusive bound on the number of characters.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> ASCII_Numeric_Base16	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Count	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	1	Values of ASCII_Numeric_Base16 must have at least 1 character	

## minimum\_characters in ASCII\_Numeric\_Base2

<b>Name: minimum_characters</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The minimum_characters attribute provides the lower, inclusive bound on the number of characters.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> ASCII_Numeric_Base2	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Count	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	1	Values of ASCII_Numeric_Base2 must have at least 1 character	

## minimum\_characters in ASCII\_Numeric\_Base8

<b>Name: minimum_characters</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The minimum_characters attribute provides the lower, inclusive bound on the number of characters.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> ASCII_Numeric_Base8	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255

<b>Name: minimum_characters</b>			<b>Version Id: 1.0.0.0</b>
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Count	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	1	Values of ASCII_Numeric_Base8 must have at least 1 character	

## minimum\_characters in ASCII\_Real

<b>Name: minimum_characters</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The minimum_characters attribute provides the lower, inclusive bound on the number of characters.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> ASCII_Real	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Count	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## minimum\_characters in ASCII\_Short\_String\_Collapsed

<b>Name: minimum_characters</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The minimum_characters attribute provides the lower, inclusive bound on the number of characters.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> ASCII_Short_String_Collapsed	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Count	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	1	Values of ASCII_Short_String_Collapsed must have at least 1 character	

## minimum\_characters in ASCII\_Short\_String\_Preserved

<b>Name: minimum_characters</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The minimum_characters attribute provides the lower, inclusive bound on the number of characters.			

Attributes in the common  
(pds) namespace.

<b>Name: minimum_characters</b>			<b>Version Id: 1.0.0.0</b>
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> ASCII_Short_String_Preserved	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Count	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	1	Values of ASCII_Short_String_Preserved must have at least 1 character	

## minimum\_characters in ASCII\_String

<b>Name: minimum_characters</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The minimum_characters attribute provides the lower, inclusive bound on the number of characters.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> ASCII_String	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Count	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	1	Values of ASCII_String must have at least 1 character	

## minimum\_characters in ASCII\_Text\_Collapsed

<b>Name: minimum_characters</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The minimum_characters attribute provides the lower, inclusive bound on the number of characters.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> ASCII_Text_Collapsed	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Count	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	1	Values of ASCII_Text_Collapsed must have at least 1 character	

## minimum\_characters in ASCII\_Text\_Preserved

<b>Name: minimum_characters</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The minimum_characters attribute provides the lower, inclusive bound on the number of characters.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> ASCII_Text_Preserved	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Count	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	1	Values of ASCII_Text_Preserved must have at least 1 character	

## minimum\_characters in ASCII\_Time

<b>Name: minimum_characters</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The minimum_characters attribute provides the lower, inclusive bound on the number of characters.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> ASCII_Time	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Count	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## minimum\_characters in ASCII\_VID

<b>Name: minimum_characters</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The minimum_characters attribute provides the lower, inclusive bound on the number of characters.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> ASCII_VID	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Count	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	3	Values of ASCII_VID must have at least 3 characters	



## minimum\_characters in Character\_Data\_Type

<b>Name: minimum_characters</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The minimum_characters attribute provides the lower, inclusive bound on the number of characters.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Character_Data_Type	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Count	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## minimum\_characters in DD\_Value\_Domain

<b>Name: minimum_characters</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The minimum_characters attribute provides the lower, inclusive bound on the number of characters.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> DD_Value_Domain	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Count	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## minimum\_characters in DD\_Value\_Domain\_Full

<b>Name: minimum_characters</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The minimum_characters attribute provides the lower, inclusive bound on the number of characters.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> DD_Value_Domain_Full	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Count	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## minimum\_characters in UTF8\_Short\_String\_Collapsed

<b>Name: minimum_characters</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The minimum_characters attribute provides the lower, inclusive bound on the number of characters.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> UTF8_Short_String_Collapsed	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Count	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	1	Values of UTF8_Short_String_Collapsed must have at least 1 character	

## minimum\_characters in UTF8\_Short\_String\_Preserved

<b>Name: minimum_characters</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The minimum_characters attribute provides the lower, inclusive bound on the number of characters.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> UTF8_Short_String_Preserved	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Count	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	1	Values of UTF8_Short_String_Preserved must have at least 1 character	

## minimum\_characters in UTF8\_String

<b>Name: minimum_characters</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The minimum_characters attribute provides the lower, inclusive bound on the number of characters.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> UTF8_String	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Count	<i>Conceptual Domain:</i> Short_String

<b>Name: minimum_characters</b>		<b>Version Id: 1.0.0.0</b>
Status: Active	Nillable: false	Pattern: None
Permissible Value(s)	Value	Value Meaning
	1	Values of UTF8_String must have at least 1 character

## minimum\_characters in UTF8\_Text\_Preserved

<b>Name: minimum_characters</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The minimum_characters attribute provides the lower, inclusive bound on the number of characters.			
Namespace Id: pds	Steward: pds	Class Name: UTF8_Text_Preserved	Type: ASCII_Short_String_Collapsed
Minimum Value: None	Maximum Value: None	Minimum Characters: 1	Maximum Characters: 255
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: Count	Conceptual Domain: Short_String
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	Value	Value Meaning	
	1	Values of UTF8_Text_Preserved must have at least 1 character	

## minimum\_occurrences in DD\_Association

<b>Name: minimum_occurrences</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The minimum occurrences attribute indicates the number of times something may occur. It is also called the minimum cardinality.			
Namespace Id: pds	Steward: ops	Class Name: DD_Association	Type: ASCII_Short_String_Collapsed
Minimum Value: None	Maximum Value: None	Minimum Characters: 1	Maximum Characters: 255
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: Count	Conceptual Domain: Short_String
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

## minimum\_occurrences in DD\_Association\_External \*Deprecated\*

<b>Name: minimum_occurrences</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The minimum occurrences attribute indicates the number of times something may occur. It is also called the minimum cardinality.			
Namespace Id: pds	Steward: ops	Class Name: DD_Association_External *Deprecated*	Type: ASCII_Short_String_Collapsed

<b>Name: minimum_occurrences</b>			<b>Version Id: 1.0.0.0</b>
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> None
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	No Values		

## minimum\_scaled\_value in Object\_Statistics

<b>Name: minimum_scaled_value</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The minimum_scaled_value attribute provides the minimum value after application of scaling_factor and value_offset (see their definitions; minimum_scaled_value is the minimum of Ov).			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Object_Statistics	<i>Type:</i> ASCII_Real
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Number	<i>Conceptual Domain:</i> Real
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	No Values		

## minimum\_value in ASCII\_Date\_Time \*Deprecated\*

<b>Name: minimum_value</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The minimum_value attribute provides the lower inclusive bound on the value.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> ASCII_Date_Time *Deprecated*	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Value	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	No Values		

## minimum\_value in ASCII\_Date\_Time\_DOY

<b>Name: minimum_value</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The minimum_value attribute provides the lower inclusive bound on the value.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> ASCII_Date_Time_DOY	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255

<b>Name: minimum_value</b>			<b>Version Id: 1.0.0.0</b>
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Value	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	No Values		

## minimum\_value in ASCII\_Date\_Time\_UTC \*Deprecated\*

<b>Name: minimum_value</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The minimum_value attribute provides the lower inclusive bound on the value.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> ASCII_ Date_Time_UTC *Deprecated*	<i>Type:</i> ASCII_Short_ String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Value	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	No Values		

## minimum\_value in ASCII\_Date\_Time\_YMD

<b>Name: minimum_value</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The minimum_value attribute provides the lower inclusive bound on the value.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> ASCII_ Date_Time_YMD	<i>Type:</i> ASCII_Short_ String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Value	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	No Values		

## minimum\_value in ASCII\_Integer

<b>Name: minimum_value</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The minimum_value attribute provides the lower inclusive bound on the value.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> ASCII_ Integer	<i>Type:</i> ASCII_Short_ String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Value	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	No Values		

## minimum\_value in ASCII\_LID

<b>Name:</b> minimum_value			<b>Version Id:</b> 1.0.0.0
<i>Description:</i> The minimum_value attribute provides the lower inclusive bound on the value.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> ASCII_LID	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Value	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## minimum\_value in ASCII\_NonNegative\_Integer

<b>Name:</b> minimum_value			<b>Version Id:</b> 1.0.0.0
<i>Description:</i> The minimum_value attribute provides the lower inclusive bound on the value.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> ASCII_NonNegative_Integer	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Value	<i>Conceptual Domain:</i> None
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## minimum\_value in ASCII\_Numeric\_Base16

<b>Name:</b> minimum_value			<b>Version Id:</b> 1.0.0.0
<i>Description:</i> The minimum_value attribute provides the lower inclusive bound on the value.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> ASCII_Numeric_Base16	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Value	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## minimum\_value in ASCII\_Numeric\_Base2

<b>Name:</b> minimum_value			<b>Version Id:</b> 1.0.0.0
<i>Description:</i> The minimum_value attribute provides the lower inclusive bound on the value.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> ASCII_Numeric_Base2	<i>Type:</i> ASCII_Short_String_Collapsed

<b>Name: minimum_value</b>			<b>Version Id: 1.0.0.0</b>
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Value	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## minimum\_value in ASCII\_Real

<b>Name: minimum_value</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The minimum_value attribute provides the lower inclusive bound on the value.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> ASCII_ Real	<i>Type:</i> ASCII_Short_ String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Value	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## minimum\_value in ASCII\_Short\_String\_Collapsed

<b>Name: minimum_value</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The minimum_value attribute provides the lower inclusive bound on the value.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> ASCII_ Short_String_Collapsed	<i>Type:</i> ASCII_Short_ String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Value	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## minimum\_value in ASCII\_Short\_String\_Preserved

<b>Name: minimum_value</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The minimum_value attribute provides the lower inclusive bound on the value.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> ASCII_ Short_String_Preserved	<i>Type:</i> ASCII_Short_ String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255

<b>Name: minimum_value</b>			<b>Version Id: 1.0.0.0</b>
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Value	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	No Values		

## minimum\_value in ASCII\_Text\_Preserved

<b>Name: minimum_value</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The minimum_value attribute provides the lower inclusive bound on the value.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> ASCII_Text_Preserved	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Value	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	No Values		

## minimum\_value in ASCII\_Time

<b>Name: minimum_value</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The minimum_value attribute provides the lower inclusive bound on the value.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> ASCII_Time	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Value	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	No Values		

## minimum\_value in ASCII\_VID

<b>Name: minimum_value</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The minimum_value attribute provides the lower inclusive bound on the value.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> ASCII_VID	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Value	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	No Values		



## minimum\_value in Character\_Data\_Type

<b>Name:</b> minimum_value			<b>Version Id:</b> 1.0.0.0
<i>Description:</i> The minimum_value attribute provides the lower inclusive bound on the value.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Character_Data_Type	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Value	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## minimum\_value in DD\_Value\_Domain

<b>Name:</b> minimum_value			<b>Version Id:</b> 1.0.0.0
<i>Description:</i> The minimum_value attribute provides the lower inclusive bound on the value.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> DD_Value_Domain	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Value	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## minimum\_value in DD\_Value\_Domain\_Full

<b>Name:</b> minimum_value			<b>Version Id:</b> 1.0.0.0
<i>Description:</i> The minimum_value attribute provides the lower inclusive bound on the value.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> DD_Value_Domain_Full	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Value	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## minimum\_value in UTF8\_Short\_String\_Collapsed

<b>Name:</b> minimum_value			<b>Version Id:</b> 1.0.0.0
<i>Description:</i> The minimum_value attribute provides the lower inclusive bound on the value.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> UTF8_Short_String_Collapsed	<i>Type:</i> ASCII_Short_String_Collapsed

<b>Name: minimum_value</b>			<b>Version Id: 1.0.0.0</b>
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Value	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	No Values		

## minimum\_value in UTF8\_Short\_String\_Preserved

<b>Name: minimum_value</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The minimum_value attribute provides the lower inclusive bound on the value.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> UTF8_Short_String_Preserved	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Value	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	No Values		

## minimum\_value in UTF8\_Text\_Preserved

<b>Name: minimum_value</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The minimum_value attribute provides the lower inclusive bound on the value.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> UTF8_Text_Preserved	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Value	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	No Values		

## missing\_constant in Special\_Constants

<b>Name: missing_constant</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The missing_constant attribute provides a value that indicates the original value was missing, such as due to a gap in coverage.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Special_Constants	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Constant	<i>Conceptual Domain:</i> Short_String

<b>Name: missing_constant</b>		<b>Version Id: 1.0.0.0</b>
Status: Active	Nillable: false	Pattern: None
Permissible Value(s)	No Values	

## mission\_desc in Mission\_PDS3

<b>Name: mission_desc</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The mission_desc attribute summarizes major aspects of a planetary mission or project, including the number and type of spacecraft, the target body or bodies and major accomplishments.			
Namespace Id: pds	Steward: ops	Class Name: Mission_PDS3	Type: ASCII_Text_Preserved
Minimum Value: None	Maximum Value: None	Minimum Characters: 1	Maximum Characters: None
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: Description	Conceptual Domain: Text
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

## mission\_name in Mission\_PDS3

<b>Name: mission_name</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The mission_name attribute identifies a major planetary mission or project. A given planetary mission may be associated with one or more spacecraft.			
Namespace Id: pds	Steward: ops	Class Name: Mission_PDS3	Type: ASCII_Short_String_Collapsed
Minimum Value: None	Maximum Value: None	Minimum Characters: 1	Maximum Characters: 255
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: Name	Conceptual Domain: Short_String
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

## mission\_objectives\_summary in Mission\_PDS3

<b>Name: mission_objectives_summary</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The mission_objectives_summary attribute describes the major scientific objectives of a planetary mission or project.			
Namespace Id: pds	Steward: ops	Class Name: Mission_PDS3	Type: ASCII_Text_Preserved
Minimum Value: None	Maximum Value: None	Minimum Characters: 1	Maximum Characters: None
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: Summary	Conceptual Domain: Text
Status: Active	Nillable: false	Pattern: None	

<b>Name: mission_objectives_summary</b>		<b>Version Id: 1.0.0.0</b>
<i>Permissible Value(s)</i>	No Values	

## mission\_start\_date in Mission\_PDS3

<b>Name: mission_start_date</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The mission_start_date attribute provides the date of the beginning of a mission in UTC system format.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> Mission_PDS3	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Time	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	No Values		

## mission\_stop\_date in Mission\_PDS3

<b>Name: mission_stop_date</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The mission_stop_date attribute provides the date of the end of a mission in UTC system format.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> Mission_PDS3	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Time	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	No Values		

## model\_id in Instrument

<b>Name: model_id</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The model_id attribute helps discriminate instrument hardware. For example "flight", "engineering", or "proto" have been used.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Instrument	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> ID	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	No Values		

## model\_object\_id in Property\_Map

<b>Name: model_object_id</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The model_object_id attribute provides the unique identifier of a class, attribute, or value that is defined in the information model.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> Property_Map	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> None
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## model\_object\_type in Property\_Map

<b>Name: model_object_type</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The model_object_type attribute provides a classification for a modeled object.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> Property_Map	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> None
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## modification\_date in Modification\_Detail

<b>Name: modification_date</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The modification_date attribute provides date the modifications were completed			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Modification_Detail	<i>Type:</i> ASCII_Date_YMD
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Time	<i>Conceptual Domain:</i> Time
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## naif\_host\_id in Instrument\_Host

<b>Name: naif_host_id</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The naif_host_id element provides the numeric ID used within the SPICE system to identify the spacecraft, spacecraft structure or science instrument.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Instrument_Host	<i>Type:</i> ASCII_Short_String_Collapsed

<b>Name: naif_host_id</b>			<b>Version Id: 1.0.0.0</b>
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> ID	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	No Values		

## naif\_instrument\_id in Instrument

<b>Name: naif_instrument_id</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The naif_instrument_id element provides the numeric ID used within the SPICE system to identify the spacecraft, spacecraft structure or science instrument.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Instrument	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> ID	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	No Values		

## name in Agency

<b>Name: name</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The name attribute provides a word or combination of words by which the Agency is known.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Agency	<i>Type:</i> UTF8_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Name	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	European Space Agency	The Agency has name European Space Agency	
	National Aeronautics and Space Administration	The Agency has name National Aeronautics and Space Administration	

## name in Byte\_Stream

<b>Name: name</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The name attribute provides a word or combination of words by which the object is known.			

Attributes in the common  
(pds) namespace.

<b>Name: name</b>			<b>Version Id: 1.0.0.0</b>
Namespace Id: pds	Steward: pds	Class Name: Byte_Stream	Type: UTF8_Short_String_Collapsed
Minimum Value: None	Maximum Value: None	Minimum Characters: 1	Maximum Characters: 255
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: Name	Conceptual Domain: Short_String
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

## name in DD\_Association\_External \*Deprecated\*

<b>Name: name</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The name attribute provides a word or combination of words by which the object is known.			
Namespace Id: pds	Steward: ops	Class Name: DD_Association_External *Deprecated*	Type: UTF8_Short_String_Collapsed
Minimum Value: None	Maximum Value: None	Minimum Characters: 1	Maximum Characters: 255
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: Name	Conceptual Domain: Short_String
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

## name in DD\_Attribute

<b>Name: name</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The name attribute provides a word or combination of words by which the object is known.			
Namespace Id: pds	Steward: ops	Class Name: DD_Attribute	Type: UTF8_Short_String_Collapsed
Minimum Value: None	Maximum Value: None	Minimum Characters: 1	Maximum Characters: 255
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: Name	Conceptual Domain: Short_String
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

## name in DD\_Attribute\_Full

<b>Name: name</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The name attribute provides a word or combination of words by which the object is known.			
Namespace Id: pds	Steward: ops	Class Name: DD_Attribute_Full	Type: UTF8_Short_String_Collapsed

<b>Name: name</b>			<b>Version Id: 1.0.0.0</b>
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Name	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## name in DD\_Attribute\_Reference

<b>Name: name</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The name attribute provides a word or combination of words by which the object is known.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> DD_Attribute_Reference	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> None
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## name in DD\_Class

<b>Name: name</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The name attribute provides a word or combination of words by which the object is known.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> DD_Class	<i>Type:</i> UTF8_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Name	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## name in DD\_Class\_Full

<b>Name: name</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The name attribute provides a word or combination of words by which the object is known.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> DD_Class_Full	<i>Type:</i> UTF8_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Name	<i>Conceptual Domain:</i> Short_String



<b>Name: name</b>		<b>Version Id: 1.0.0.0</b>
Status: Active	Nillable: false	Pattern: None
Permissible Value(s)	No Values	

## name in DD\_Class\_Reference

<b>Name: name</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The name attribute provides a word or combination of words by which the object is known.			
Namespace Id: pds	Steward: ops	Class Name: DD_Class_Reference	Type: ASCII_Short_String_Collapsed
Minimum Value: None	Maximum Value: None	Minimum Characters: 1	Maximum Characters: 255
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: None	Conceptual Domain: None
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

## name in External\_Reference\_Extended

<b>Name: name</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The name attribute provides a word or combination of words by which the object is known.			
Namespace Id: pds	Steward: ops	Class Name: External_Reference_Extended	Type: UTF8_Short_String_Collapsed
Minimum Value: None	Maximum Value: None	Minimum Characters: 1	Maximum Characters: 255
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: Name	Conceptual Domain: Short_String
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

## name in Facility

<b>Name: name</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The name attribute provides a word or combination of words by which the object is known.			
Namespace Id: pds	Steward: pds	Class Name: Facility	Type: UTF8_Short_String_Collapsed
Minimum Value: None	Maximum Value: None	Minimum Characters: 1	Maximum Characters: 255
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: Name	Conceptual Domain: Short_String
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

## name in Field

<b>Name: name</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The name attribute provides a word or combination of words by which the object is known.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Field	<i>Type:</i> UTF8_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Name	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## name in Field\_Binary

<b>Name: name</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The name attribute provides a word or combination of words by which the object is known.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Field_Binary	<i>Type:</i> UTF8_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Name	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## name in Field\_Bit

<b>Name: name</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The name attribute provides a word or combination of words by which the object is known.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Field_Bit	<i>Type:</i> UTF8_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Name	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## name in Field\_Character

<b>Name: name</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The name attribute provides a word or combination of words by which the object is known.			

<b>Name: name</b>			<b>Version Id: 1.0.0.0</b>
Namespace Id: pds	Steward: pds	Class Name: Field_ Character	Type: UTF8_Short_ String_Collapsed
Minimum Value: None	Maximum Value: None	Minimum Characters: 1	Maximum Characters: 255
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: Name	Conceptual Domain: Short_String
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

## name in Field\_Delimited

<b>Name: name</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The name attribute provides a word or combination of words by which the object is known.			
Namespace Id: pds	Steward: pds	Class Name: Field_ Delimited	Type: UTF8_Short_ String_Collapsed
Minimum Value: None	Maximum Value: None	Minimum Characters: 1	Maximum Characters: 255
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: Name	Conceptual Domain: Short_String
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

## name in Group

<b>Name: name</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The name attribute provides a word or combination of words by which the object is known.			
Namespace Id: pds	Steward: pds	Class Name: Group	Type: ASCII_Short_ String_Collapsed
Minimum Value: None	Maximum Value: None	Minimum Characters: 1	Maximum Characters: 255
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: None	Conceptual Domain: None
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

## name in Ingest\_LDD

<b>Name: name</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The name attribute provides a word or combination of words by which the object is known.			
Namespace Id: pds	Steward: ops	Class Name: Ingest_ LDD	Type: UTF8_Short_ String_Collapsed
Minimum Value: None	Maximum Value: None	Minimum Characters: 1	Maximum Characters: 255

<b>Name: name</b>			<b>Version Id: 1.0.0.0</b>
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: Name	Conceptual Domain: Short_String
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

## name in Instrument

<b>Name: name</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The name attribute provides a word or combination of words by which the object is known.			
Namespace Id: pds	Steward: pds	Class Name: Instrument	Type: UTF8_Short_ String_Collapsed
Minimum Value: None	Maximum Value: None	Minimum Characters: 1	Maximum Characters: 255
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: Name	Conceptual Domain: Short_String
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

## name in Instrument\_Host

<b>Name: name</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The name attribute provides a word or combination of words by which the object is known.			
Namespace Id: pds	Steward: pds	Class Name: Instrument_Host	Type: UTF8_Short_ String_Collapsed
Minimum Value: None	Maximum Value: None	Minimum Characters: 1	Maximum Characters: 255
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: Name	Conceptual Domain: Short_String
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

## name in Investigation

<b>Name: name</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The name attribute provides a word or combination of words by which the object is known.			
Namespace Id: pds	Steward: pds	Class Name: Investigation	Type: UTF8_Short_ String_Collapsed
Minimum Value: None	Maximum Value: None	Minimum Characters: 1	Maximum Characters: 255
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: Name	Conceptual Domain: Short_String
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

## name in Investigation\_Area

<b>Name: name</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The name attribute provides a word or combination of words by which the object is known.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Investigation_Area	<i>Type:</i> UTF8_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Name	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		
<i>Extended Value(s) for:</i> pds:Product_Observational/ pds:Observation_Area/ pds:Investigation_Area	<i>Value</i>	<i>Value Meaning</i>	
	\$name	The value for name is to be provided by software during template processing.	

## name in Node

<b>Name: name</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The name attribute provides a word or combination of words by which the Node is known.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> Node	<i>Type:</i> UTF8_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Name	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	Engineering	The Node has name Engineering	
	Geosciences	The Node has name Geosciences	
	Imaging	The Node has name Imaging	
	Management	The Node has name Management	
	Navigation and Ancillary Information Facility	The Node has name Navigation and Ancillary Information Facility	
	Planetary Atmospheres	The Node has name Planetary Atmospheres	
	Planetary Plasma Interactions	The Node has name Planetary Plasma Interactions	
	Planetary Rings	The Node has name Planetary Rings	
	Planetary Science Archive	The Node has name Planetary Science Archive	

Attributes in the common  
(pds) namespace.

<b>Name: name</b>		<b>Version Id: 1.0.0.0</b>
	Radio Science	The Node has name Radio Science
	Small Bodies	The Node has name Small Bodies

## name in Observing\_System

<b>Name: name</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The name attribute provides a word or combination of words by which the object is known.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Observing_System	<i>Type:</i> UTF8_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Name	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		
<i>Extended Value(s) for: pds:Product_Observational/pds:Observation_Area/pds:Observing_System</i>	<i>Value</i>	<i>Value Meaning</i>	
	\$name	The value for name is to be provided by software during template processing.	

## name in Observing\_System\_Component

<b>Name: name</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The name attribute provides a word or combination of words by which the object is known.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Observing_System_Component	<i>Type:</i> UTF8_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Name	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		
<i>Extended Value(s) for: pds:Product_Observational/pds:Observation_Area/pds:Observing_System/pds:Observing_System_Component</i>	<i>Value</i>	<i>Value Meaning</i>	
	\$name	The value for name is to be provided by software during template processing.	

## name in PDS\_Affiliate

<b>Name: name</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The name attribute provides a word or combination of words by which the object is known.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> PDS_Affiliate	<i>Type:</i> UTF8_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Name	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## name in PDS\_Guest

<b>Name: name</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The name attribute provides a word or combination of words by which the object is known.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> PDS_Guest	<i>Type:</i> UTF8_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Name	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## name in Quaternion

<b>Name: name</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The name attribute provides a word or combination of words by which the object is known.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Quaternion	<i>Type:</i> UTF8_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Name	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## name in Quaternion\_Component

<b>Name: name</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The name attribute provides a word or combination of words by which the object is known.			

Attributes in the common  
(pds) namespace.

<b>Name: name</b>			<b>Version Id: 1.0.0.0</b>
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Quaternion_ Component	<i>Type:</i> UTF8_Short_ String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Name	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## name in Resource

<b>Name: name</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The name attribute provides a word or combination of words by which the object is known.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Resource	<i>Type:</i> UTF8_Short_ String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Name	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## name in Service

<b>Name: name</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The name attribute provides a word or combination of words by which the object is known.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> Service	<i>Type:</i> ASCII_Short_ String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> None
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## name in Software

<b>Name: name</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The name attribute provides a word or combination of words by which the object is known.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> Software	<i>Type:</i> UTF8_Short_ String_Collapsed



Attributes in the common  
(pds) namespace.

<b>Name: name</b>			<b>Version Id: 1.0.0.0</b>
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Name	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	No Values		

## name in Target

<b>Name: name</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The name attribute provides a word or combination of words by which the object is known.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Target	<i>Type:</i> UTF8_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Name	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	No Values		

## name in Target\_Identification

<b>Name: name</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The name attribute provides a human-readable primary name/identification in the standard format for the target type.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Target_Identification	<i>Type:</i> UTF8_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Name	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	No Values		
<i>Extended Value(s) for:</i> pds:Product_Observational/ pds:Observation_Area/pds:Target_Identification	<i>Value</i>	<i>Value Meaning</i>	
	\$name	The value for name is to be provided by software during template processing.	

## name in Terminological\_Entry

<b>Name: name</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The name attribute provides a word or combination of words by which the object is known.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Terminological_Entry	<i>Type:</i> UTF8_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Name	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## name in Vector

<b>Name: name</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The name attribute provides a word or combination of words by which the object is known.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Vector	<i>Type:</i> UTF8_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Name	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## name in Vector\_Component

<b>Name: name</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The name attribute provides a word or combination of words by which the object is known.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Vector_Component	<i>Type:</i> UTF8_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Name	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## namespace\_id in DD\_Association\_External \*Deprecated\*

<b>Name: namespace_id</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The namespace_id attribute provides the abbreviation of the XML schema namespace container for this logical grouping of classes and attributes. It is assigned by the steward.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> DD_Association_External *Deprecated*	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> ID	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## namespace\_id in DD\_Attribute\_Full

<b>Name: namespace_id</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The namespace_id attribute provides the abbreviation of the XML schema namespace container for this logical grouping of classes and attributes. It is assigned by the steward.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> DD_Attribute_Full	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> ID	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## namespace\_id in DD\_Attribute\_Reference

<b>Name: namespace_id</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The namespace_id attribute provides the abbreviation of the XML schema namespace container for this logical grouping of classes and attributes. It is assigned by the steward.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> DD_Attribute_Reference	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> None
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## namespace\_id in DD\_Class\_Full

<b>Name: namespace_id</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The namespace_id attribute provides the abbreviation of the XML schema namespace container for this logical grouping of classes and attributes. It is assigned by the steward.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> DD_ Class_Full	<i>Type:</i> ASCII_Short_ String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> ID	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## namespace\_id in DD\_Class\_Reference

<b>Name: namespace_id</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The namespace_id attribute provides the abbreviation of the XML schema namespace container for this logical grouping of classes and attributes. It is assigned by the steward.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> DD_ Class_Reference	<i>Type:</i> ASCII_Short_ String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> None
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## namespace\_id in Ingest\_LDD

<b>Name: namespace_id</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The namespace_id attribute provides the abbreviation of the XML schema namespace container for this logical grouping of classes and attributes. It is assigned by the steward.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> Ingest_ LDD	<i>Type:</i> ASCII_Short_ String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> ID	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## namespace\_id in Property\_Maps

<b>Name: namespace_id</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The namespace_id attribute provides the abbreviation of the XML schema namespace container for this logical grouping of classes and attributes. It is assigned by the steward.			

<b>Name: namespace_id</b>			<b>Version Id: 1.0.0.0</b>
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> Property_ Maps	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> None
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## nil\_reason in Symbolic\_Literals\_PDS

<b>Name: nil_reason</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The nil_reason attribute provides the permissible values allowed as reasons when an attribute assigned a nil value.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> Symbolic_Literals_PDS	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	anticipated	The value is temporarily not available.	
	inapplicable	There is no value.	
	missing	The correct value is not readily available to the sender of this data. However, a correct value probably exists.	
	unknown	The correct value is not readily available to the sender of this data. Furthermore, a correct value may not exist.	

## nillable\_flag in DD\_Attribute

<b>Name: nillable_flag</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The nillable_flag attribute indicates whether an attribute is allowed to take on nil as a value.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> DD_Attribute	<i>Type:</i> ASCII_Boolean
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Flag	<i>Conceptual Domain:</i> Boolean
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## nillable\_flag in DD\_Attribute\_Full

<b>Name: nillable_flag</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The nillable_flag attribute indicates whether an attribute is allowed to take on nil as a value.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> DD_Attribute_Full	<i>Type:</i> ASCII_Boolean
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Flag	<i>Conceptual Domain:</i> Boolean
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## not\_applicable\_constant in Special\_Constants

<b>Name: not_applicable_constant</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The not_applicable_constant attribute provides a value that indicates the parameter is not applicable.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Special_Constants	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Constant	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## nssdc\_collection\_id in NSSDC

<b>Name: nssdc_collection_id</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> An NSSDC Collection ID is an NSSDC assigned identifier for a collection of PDS datasets.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> NSSDC	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> ID	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## object\_length in Encoded\_Byte\_Stream

<b>Name: object_length</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The object_length attribute provides the length of the digital object in bytes.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Encoded_Byte_Stream	<i>Type:</i> ASCII_Integer
<i>Minimum Value:</i> 1	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> Units_of_Storage	<i>Default Unit Id:</i> byte	<i>Attribute Concept:</i> Length	<i>Conceptual Domain:</i> Integer
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## object\_length in Header

<b>Name: object_length</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The object_length attribute provides the length of the digital object in bytes.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Header	<i>Type:</i> ASCII_Integer
<i>Minimum Value:</i> 1	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> Units_of_Storage	<i>Default Unit Id:</i> byte	<i>Attribute Concept:</i> Length	<i>Conceptual Domain:</i> Integer
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## object\_length in Parsable\_Byte\_Stream

<b>Name: object_length</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The object_length attribute provides the length of the digital object in bytes.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Parsable_Byte_Stream	<i>Type:</i> ASCII_Integer
<i>Minimum Value:</i> 1	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> Units_of_Storage	<i>Default Unit Id:</i> byte	<i>Attribute Concept:</i> Length	<i>Conceptual Domain:</i> Integer
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## offset in Array

<b>Name: offset</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The offset attribute provides the displacement of the object starting position from the beginning of the parent structure (file, record, etc.). If there is no displacement, offset=0.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Array	<i>Type:</i> ASCII_Integer
<i>Minimum Value:</i> 0	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None

<b>Name: offset</b>			<b>Version Id: 1.0.0.0</b>
<i>Unit of Measure Type:</i> Units_of_Storage	<i>Default Unit Id:</i> byte	<i>Attribute Concept:</i> Offset	<i>Conceptual Domain:</i> Integer
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	No Values		

## offset in Encoded\_Byte\_Stream

<b>Name: offset</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The offset attribute provides the displacement of the object starting position from the beginning of the parent structure (file, record, etc.). If there is no displacement, offset=0.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Encoded_Byte_Stream	<i>Type:</i> ASCII_Integer
<i>Minimum Value:</i> 0	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> Units_of_Storage	<i>Default Unit Id:</i> byte	<i>Attribute Concept:</i> Offset	<i>Conceptual Domain:</i> Integer
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	No Values		

## offset in Parsable\_Byte\_Stream

<b>Name: offset</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The offset attribute provides the displacement of the object starting position from the beginning of the parent structure (file, record, etc.). If there is no displacement, offset=0.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Parsable_Byte_Stream	<i>Type:</i> ASCII_Integer
<i>Minimum Value:</i> 0	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> Units_of_Storage	<i>Default Unit Id:</i> byte	<i>Attribute Concept:</i> Offset	<i>Conceptual Domain:</i> Integer
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	No Values		

## offset in Table\_Base

<b>Name: offset</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The offset attribute provides the displacement of the object starting position from the beginning of the parent structure (file, record, etc.). If there is no displacement, offset=0.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Table_Base	<i>Type:</i> ASCII_Integer
<i>Minimum Value:</i> 0	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> Units_of_Storage	<i>Default Unit Id:</i> byte	<i>Attribute Concept:</i> Offset	<i>Conceptual Domain:</i> Integer
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	



<b>Name: offset</b>		<b>Version Id: 1.0.0.0</b>
Permissible Value(s)	No Values	

## orbit\_direction in Target\_PDS3

<b>Name: orbit_direction</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The orbit_direction element provides the direction of movement along the orbit about the primary as seen from the north pole of the 'invariable plane of the solar system', which is the plane passing through the center of mass of the solar system and perpendicular to the angular momentum vector of the solar system orbit motion. PROGRADE for positive rotation according to the right-hand rule, RETROGRADE for negative rotation.			
Namespace Id: pds	Steward: ops	Class Name: Target_PDS3	Type: ASCII_Short_String_Collapsed
Minimum Value: None	Maximum Value: None	Minimum Characters: 1	Maximum Characters: 255
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: Direction	Conceptual Domain: Short_String
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

## original\_band in Band\_Bin \*Deprecated\*

<b>Name: original_band</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The original_band attribute of a spectral qube provides the sequence of band numbers in the qube relative to some original qube. In the original qube, the values are just consecutive integers beginning with 1. In a qube which contains a subset of the bands in the original qube, the values are the original sequence numbers from that qube.			
Namespace Id: pds	Steward: img	Class Name: Band_Bin *Deprecated*	Type: ASCII_Integer
Minimum Value: 1	Maximum Value: 512	Minimum Characters: None	Maximum Characters: None
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: None	Conceptual Domain: Integer
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

## os\_version in Software\_Binary

<b>Name: os_version</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The OS version attribute indicates the version of an operating system.			
Namespace Id: pds	Steward: ops	Class Name: Software_Binary	Type: ASCII_Short_String_Collapsed
Minimum Value: None	Maximum Value: None	Minimum Characters: 1	Maximum Characters: 255
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: None	Conceptual Domain: Short_String
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

## os\_version in Software\_Source

<b>Name: os_version</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The OS version attribute indicates the version of an operating system.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> Software_Source	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> ID	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## parsing\_standard\_id in Checksum\_Manifest

<b>Name: parsing_standard_id</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The parsing_standard_id attribute provides the formal name of a standard used for the structure of a Parsable Byte Stream digital object.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> Checksum_Manifest	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> ID	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	MD5Deep 4.n	The checksum manifest is governed by the Message-Digest Algorithm (MD5) output of the MD5 Deep Package Version 4.n (see <a href="http://md5deep.sourceforge.net/">http://md5deep.sourceforge.net/</a> ).	

## parsing\_standard\_id in Header

<b>Name: parsing_standard_id</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The parsing_standard_id attribute provides the formal name of a standard used for the structure of a Parsable Byte Stream digital object.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Header	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> ID	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	7-Bit ASCII Text	The Header contains simple text using only the 7-Bit ASCII character set. ANSI X3.4-1986.	

<i>Name:</i> parsing_standard_id		<i>Version Id:</i> 1.0.0.0
	CDF 3.4 ISTP/IACG	The Header is governed by Version 3.4 of the CDF format specification, the ISTP/IACG guidelines and PDS constraints.
	FITS 3.0	The Header is governed by the standard Flexible Image Transport System (FITS), Version 3.0.
	ISIS2	The Header is governed by the standard Integrated Software for Imagers and Spectrometers (ISIS), USGS Astrogeology Isis Cube, Version 2.
	ISIS2 History Label	An ISIS history label contains text information that records the sequence of processing operations that created an ISIS file. A description of the format of the label is available in section 5.2 of the ISIS2 Overview documentation.
	ISIS3	The Header is governed by the standard Integrated Software for Imagers and Spectrometers (ISIS), USGS Astrogeology ISIS Cube, Version 3.
	PDS DSV 1	The format is delimiter separated value (DSV); see Standards Reference section 4C.1.
	PDS ODL 2	The Header is governed by the standard Planetary Data System (PDS) Object Description Language (ODL), Version 2.n.
	PDS3	The Header is governed by the Planetary Data System (PDS) Data Standards Version 3.n.
	Pre-PDS3	The Header is governed by Planetary Data System (PDS) Data Standards prior to Version 3.0.
	UTF-8 Text	The Header contains simple text using UTF-8 Unicode character encodings. RFC 3629.
	VICAR1	The Header is governed by the standard Video Image Communication And Retrieval (VICAR).
	VICAR2	The Header is governed by the standard Video Image Communication And Retrieval (VICAR).

## parsing\_standard\_id in Parsable\_Byte\_Stream

<i>Name:</i> parsing_standard_id		<i>Version Id:</i> 1.0.0.0	
<i>Description:</i> The parsing_standard_id attribute provides the formal name of a standard used for the structure of a Parsable Byte Stream digital object.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Parsable_Byte_Stream	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> ID	<i>Conceptual Domain:</i> Short_String

<b>Name: parsing_standard_id</b>		<b>Version Id: 1.0.0.0</b>
Status: Active	Nillable: false	Pattern: None
Permissible Value(s)	No Values	

## parsing\_standard\_id in SPICE\_Kernel

<b>Name: parsing_standard_id</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The parsing_standard_id attribute provides the formal name of a standard used for the structure of a Parsable Byte Stream digital object.			
Namespace Id: pds	Steward: pds	Class Name: SPICE_Kernel	Type: ASCII_Short_String_Collapsed
Minimum Value: None	Maximum Value: None	Minimum Characters: 1	Maximum Characters: 255
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: ID	Conceptual Domain: Short_String
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	Value	Value Meaning	
	SPICE	The SPICE_Kernel conforms to standards used within the NAIF/SPICE system of data files (kernels) and software; see <a href="http://naif.jpl.nasa.gov/pub/naif/toolkit_docs/Tutorials/pdf/individual_docs/04_spice_overview.pdf">http://naif.jpl.nasa.gov/pub/naif/toolkit_docs/Tutorials/pdf/individual_docs/04_spice_overview.pdf</a>	

## parsing\_standard\_id in Service\_Description

<b>Name: parsing_standard_id</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The parsing_standard_id attribute provides the formal name of a standard used for the structure of a Parsable Byte Stream digital object.			
Namespace Id: pds	Steward: ops	Class Name: Service_Description	Type: ASCII_Short_String_Collapsed
Minimum Value: None	Maximum Value: None	Minimum Characters: 1	Maximum Characters: 255
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: ID	Conceptual Domain: Short_String
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	Value	Value Meaning	
	WADL	The service is governed by the standard Web Application Description Language (WADL).	
	WSDL 2.n	The service is governed by the standard Web Services Description Language (WSDL) Version 2.n.	

## parsing\_standard\_id in Stream\_Text

<b>Name: parsing_standard_id</b>		<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The parsing_standard_id attribute provides the formal name of a standard used for the structure of a Parsable Byte Stream digital object.		

<b>Name: parsing_standard_id</b>			<b>Version Id: 1.0.0.0</b>
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Stream_Text	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> None
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	7-Bit ASCII Text	The Stream Text contains simple text using only the 7-Bit ASCII character set. ANSI X3.4-1986.	
	UTF-8 Text	The Stream Text contains simple text using UTF-8 Unicode character encodings. RFC 3629.	

## parsing\_standard\_id in Table\_Delimited

<b>Name: parsing_standard_id</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The parsing_standard_id attribute provides the formal name of a standard used for the structure of a Parsable Byte Stream digital object.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Table_Delimited	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> ID	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	PDS DSV 1	The table format conforms to the PDS4 Standards Reference section "Parsable Bytes Stream"	

## parsing\_standard\_id in XML\_Schema

<b>Name: parsing_standard_id</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The parsing_standard_id attribute provides the formal name of a standard used for the structure of a Parsable Byte Stream digital object.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> XML_Schema	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> ID	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	Schematron ISO/IEC 19757-3:2006	Schematron files are governed by the standard for Schematron (see <a href="http://www.iso.org/iso/catalogue_detail.htm?csnumber=40833">http://www.iso.org/iso/catalogue_detail.htm?csnumber=40833</a> )	

<b>Name: parsing_standard_id</b>		<b>Version Id: 1.0.0.0</b>
	XML Schema Version 1.1	XML_Schema is governed by the standard for XML Schema 1.1 (see <a href="http://www.w3.org/XML/Schema">http://www.w3.org/XML/Schema</a> )

## pattern in ASCII\_DOI

<b>Name: pattern</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The pattern attribute provides a symbolic instruction for forming values.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> ASCII_DOI	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Pattern	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Niltable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	10\\.S+\\S+	The Digital Object Identifier (DOI) is expressed as the decimal number "10." followed by a character string followed by a forward slash "/" followed by another character string. The format and its use are specified by the International DOI Federation (see <a href="http://www.doi.org">http://www.doi.org</a> ).	

## pattern in ASCII\_Date \*Deprecated\*

<b>Name: pattern</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The pattern attribute provides a symbolic instruction for forming values.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> ASCII_Date *Deprecated*	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Pattern	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Niltable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	(-)?[0-9]{4}		
	(-)?[0-9]{4}-((00[1-9]) (0[1-9][0-9]) ([1-2][0-9][0-9]) (3([0-5][0-9]) (6[0-6])))		
	(-)?[0-9]{4}-((0[1-9]) (1[0-2]))		
	(-)?[0-9]{4}-((0[1-9]) (1[0-2]))-((0[1-9]) ([1-2][0-9]) (3[0-1]))		

## pattern in ASCII\_Date\_DOY

<b>Name: pattern</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The pattern attribute provides a symbolic instruction for forming values.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> ASCII_Date_DOY	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Pattern	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	(-)?[0-9]{4}(Z?)	See the respective formation rule for the value meaning.	
	(-)?[0-9]{4}-((00[1-9]) (0[1-9][0-9]) ([1-2][0-9][0-9]) (3((([0-5][0-9]) (6[0-6]))))(Z?))		

## pattern in ASCII\_Date\_Time \*Deprecated\*

<b>Name: pattern</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The pattern attribute provides a symbolic instruction for forming values.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> ASCII_Date_Time *Deprecated*	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Pattern	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	(-)?[0-9]{4}		
	(-)?[0-9]{4}-((00[1-9]) (0[1-9][0-9]) ([1-2][0-9][0-9]) (3((([0-5][0-9]) (6[0-6])))		
	(-)?[0-9]{4}-((00[1-9]) (0[1-9][0-9]) ([1-2][0-9][0-9]) (3((([0-5][0-9]) (6[0-6])))		
	(-)?[0-9]{4}-((00[1-9]) (0[1-9][0-9]) ([1-2][0-9][0-9]) (3((([0-5][0-9]) (6[0-6])))		
	((([0-1][0-9]) (2[0-3])):[0-5][0-9](Z)?		
	(-)?[0-9]{4}-((00[1-9]) (0[1-9][0-9]) ([1-2][0-9][0-9]) (3((([0-5][0-9]) (6[0-6])))		
	((([0-1][0-9]) (2[0-3])):		

<b>Name: pattern</b>		<b>Version Id: 1.0.0.0</b>
	[0-5][0-9]:((([0-5][0-9]) 60)\.([0-9]{1,4}))?(Z)?	
	(-)?[0-9]{4}-((00[1-9]) (0[1-9][0-9]) ([1-2][0-9][0-9]) (3((([0-5][0-9]) (6[0-6])))))(T)(([0-1][0-9]) (2[0-4]))(Z)?	
	(-)?[0-9]{4}-((00[1-9]) (0[1-9][0-9]) ([1-2][0-9][0-9]) (3((([0-5][0-9]) (6[0-6])))))(T)24:00(:00(\.0+)?)?(Z)?	
	(-)?[0-9]{4}-((0[1-9]) (1[0-2]))	
	(-)?[0-9]{4}-((0[1-9]) (1[0-2]))-((0[1-9]) ([1-2][0-9]) (3[0-1]))	
	(-)?[0-9]{4}-((0[1-9]) (1[0-2]))-((0[1-9]) ([1-2][0-9]) (3[0-1]))(T)(([0-1][0-9]) (2[0-3])):[0-5][0-9](Z)?	
	(-)?[0-9]{4}-((0[1-9]) (1[0-2]))-((0[1-9]) ([1-2][0-9]) (3[0-1]))(T)(([0-1][0-9]) (2[0-3])):[0-5][0-9]:((([0-5][0-9]) 60)\.([0-9]{1,4}))?(Z)?	
	(-)?[0-9]{4}-((0[1-9]) (1[0-2]))-((0[1-9]) ([1-2][0-9]) (3[0-1]))(T)(([0-1][0-9]) (2[0-4]))(Z)?	
	(-)?[0-9]{4}-((0[1-9]) (1[0-2]))-((0[1-9]) ([1-2][0-9]) (3[0-1]))(T)24:00(:00(\.0+)?)?(Z)?	

## pattern in ASCII\_Date\_Time\_DOY

<b>Name: pattern</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The pattern attribute provides a symbolic instruction for forming values.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> ASCII_Date_Time_DOY	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255



Attributes in the common  
(pds) namespace.

<b>Name: pattern</b>			<b>Version Id: 1.0.0.0</b>
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Pattern	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	(-)?[0-9]{4}(Z?)	See the respective formation rule for the value meaning.	
	(-)?[0-9]{4}-((00[1-9]) (0[1-9][0-9]) ([1-2][0-9][0-9]) (3((([0-5][0-9]) (6[0-6]))) (T)(([0-1][0-9]) (2[0-3]))):[0-5][0-9](Z?)		
	(-)?[0-9]{4}-((00[1-9]) (0[1-9][0-9]) ([1-2][0-9][0-9]) (3((([0-5][0-9]) (6[0-6]))) (T)(([0-1][0-9]) (2[0-3]))):[0-5][0-9]:((([0-5][0-9]) 60)\.([0-9]{1,4}))?(Z?)		
	(-)?[0-9]{4}-((00[1-9]) (0[1-9][0-9]) ([1-2][0-9][0-9]) (3((([0-5][0-9]) (6[0-6]))) (T)(([0-1][0-9]) (2[0-4]))(Z?)		
	(-)?[0-9]{4}-((00[1-9]) (0[1-9][0-9]) ([1-2][0-9][0-9]) (3((([0-5][0-9]) (6[0-6]))) (T)24(:00 (:00:00))?(Z?)		
	(-)?[0-9]{4}-((00[1-9]) (0[1-9][0-9]) ([1-2][0-9][0-9]) (3((([0-5][0-9]) (6[0-6]))) (T)24:00:00\.(([0]{1,4}))?(Z?)		
	(-)?[0-9]{4}-((00[1-9]) (0[1-9][0-9]) ([1-2][0-9][0-9]) (3((([0-5][0-9]) (6[0-6]))) (Z?)		

## pattern in ASCII\_Date\_Time\_DOY\_UTC

<b>Name: pattern</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The pattern attribute provides a symbolic instruction for forming values.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> ASCII_Date_Time_DOY_UTC	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255

Attributes in the common  
(pds) namespace.

<b>Name: pattern</b>			<b>Version Id: 1.0.0.0</b>
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> None
<i>Status:</i> Active	<i>Nilable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	(-)?[0-9]{4}(Z)		
	(-)?[0-9]{4}-((00[1-9])  (0[1-9][0-9]) ([1-2] [0-9][0-9]) (3((([0-5] [0-9]) (6[0-6]))))(T ((([0-1][0-9]) (2[0-3]))): [0-5][0-9](Z)		
	(-)?[0-9]{4}-((00[1-9])  (0[1-9][0-9]) ([1-2] [0-9][0-9]) (3((([0-5] [0-9]) (6[0-6]))))(T ((([0-1][0-9]) (2[0-3]))): [0-5][0-9]:((([0-5][0-9])  60)\.([0-9]{1,4}))?(Z)		
	(-)?[0-9]{4}-((00[1-9])  (0[1-9][0-9]) ([1-2] [0-9][0-9]) (3((([0-5] [0-9]) (6[0-6]))))(T ((([0-1][0-9]) (2[0-4])) (Z)		
	(-)?[0-9]{4}-((00[1-9])  (0[1-9][0-9]) ([1-2] [0-9][0-9]) (3((([0-5] [0-9]) (6[0-6]))) (T)24(:00 (:00:00))? (Z)		
	(-)?[0-9]{4}-((00[1-9])  (0[1-9][0-9]) ([1-2] [0-9][0-9]) (3((([0-5] [0-9]) (6[0-6]))) (T)24:00:00\.(([0] {1,4})))(Z)		
	(-)?[0-9]{4}-((00[1-9])  (0[1-9][0-9]) ([1-2] [0-9][0-9]) (3((([0-5] [0-9]) (6[0-6]))))(Z)		

## pattern in ASCII\_Date\_Time\_UTC

### \*Deprecated\*

<b>Name: pattern</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The pattern attribute provides a symbolic instruction for forming values.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> ASCII_ Date_Time_UTC *Deprecated*	<i>Type:</i> ASCII_Short_ String_Collapsed

Attributes in the common  
(pds) namespace.

<b>Name: pattern</b>			<b>Version Id: 1.0.0.0</b>
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Pattern	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	(-)?[0-9]{4}(Z)		
	(-)?[0-9]{4}-((00[1-9]) (0[1-9][0-9]) ([1-2][0-9][0-9]) (3((([0-5][0-9]) (6[0-6])))))(T)(([0-1][0-9]) (2[0-3])):[0-5][0-9](Z)		
	(-)?[0-9]{4}-((00[1-9]) (0[1-9][0-9]) ([1-2][0-9][0-9]) (3((([0-5][0-9]) (6[0-6])))))(T)(([0-1][0-9]) (2[0-3])):[0-5][0-9]:((([0-5][0-9]) 60)\.([0-9]{1,4}))?(Z)		
	(-)?[0-9]{4}-((00[1-9]) (0[1-9][0-9]) ([1-2][0-9][0-9]) (3((([0-5][0-9]) (6[0-6])))))(T)(([0-1][0-9]) (2[0-4]))(Z)		
	(-)?[0-9]{4}-((00[1-9]) (0[1-9][0-9]) ([1-2][0-9][0-9]) (3((([0-5][0-9]) (6[0-6])))))(T)24:00(:00(\.0+)?)?(Z)		
	(-)?[0-9]{4}-((00[1-9]) (0[1-9][0-9]) ([1-2][0-9][0-9]) (3((([0-5][0-9]) (6[0-6])))))(Z)		
	(-)?[0-9]{4}-((0[1-9]) (1[0-2]))(Z)		
	(-)?[0-9]{4}-((0[1-9]) (1[0-2]))-((0[1-9]) ([1-2][0-9]) (3[0-1]))(T)(([0-1][0-9]) (2[0-3])):[0-5][0-9](Z)		
	(-)?[0-9]{4}-((0[1-9]) (1[0-2]))-((0[1-9]) ([1-2][0-9]) (3[0-1]))(T)(([0-1][0-9]) (2[0-3])):[0-5][0-9]:((([0-5][0-9]) 60)\.([0-9]{1,4}))?(Z)		

<b>Name: pattern</b>		<b>Version Id: 1.0.0.0</b>
	(-)?[0-9]{4}-((0[1-9]) (1[0-2]))-((0[1-9]) ([1-2][0-9]))(3[0-1]) (T)(([0-1][0-9]) (2[0-4]))(Z)	
	(-)?[0-9]{4}-((0[1-9]) (1[0-2]))-((0[1-9]) ([1-2][0-9]))(3[0-1]) (T)24:00(:00(\\.0+)?)? (Z)	
	(-)?[0-9]{4}-((0[1-9]) (1[0-2]))-((0[1-9]) ([1-2][0-9]))(3[0-1]) (Z)	

## pattern in ASCII\_Date\_Time\_YMD

<b>Name: pattern</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The pattern attribute provides a symbolic instruction for forming values.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> ASCII_Date_Time_YMD	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Pattern	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Niltable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	(-)?[0-9]{4}(Z?)	See the respective formation rule for the value meaning.	
	(-)?[0-9]{4}-((0[1-9]) (1[0-2]))(Z?)		
	(-)?[0-9]{4}-((0[1-9]) (1[0-2]))-((0[1-9]) ([1-2][0-9]))(3[0-1]) (T)(([0-1][0-9]) (2[0-3]))(Z?)		
	(-)?[0-9]{4}-((0[1-9]) (1[0-2]))-((0[1-9]) ([1-2][0-9]))(3[0-1]) (T)(([0-1][0-9]) (2[0-3])):[0-5][0-9](Z?)		
	(-)?[0-9]{4}-((0[1-9]) (1[0-2]))-((0[1-9]) ([1-2][0-9]))(3[0-1]) (T)(([0-1][0-9]) (2[0-3])):[0-5][0-9]: (([0-5][0-9]) 60)\\.([0-9]{1,4})?(Z?)		
	(-)?[0-9]{4}-((0[1-9]) (1[0-2]))-((0[1-9]) (1[0-2]))		

Attributes in the common  
(pds) namespace.

<b>Name: pattern</b>		<b>Version Id: 1.0.0.0</b>
	([1-2][0-9])(3[0-1]) (T)24(:00)(:00:00)? (Z?)	
	(-)?[0-9]{4}-((0[1-9])  (1[0-2]))-((0[1-9])  ([1-2][0-9])(3[0-1])) (T)24:00:00(\.([0-9] {1,4}))?(Z?)	
	(-)?[0-9]{4}-((0[1-9])  (1[0-2]))-((0[1-9])  ([1-2][0-9])(3[0-1])) (Z?)	

## pattern in ASCII\_Date\_Time\_YMD\_UTC

<b>Name: pattern</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The pattern attribute provides a symbolic instruction for forming values.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> ASCII_Date_Time_YMD_UTC	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> None
<i>Status:</i> Active	<i>Niltable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	(-)?[0-9]{4}(Z)		
	(-)?[0-9]{4}-((0[1-9])  (1[0-2]))(Z)		
	(-)?[0-9]{4}-((0[1-9])  (1[0-2]))-((0[1-9])  ([1-2][0-9])(3[0-1])) (T)(([0-1][0-9])  (2[0-3]))(Z)		
	(-)?[0-9]{4}-((0[1-9])  (1[0-2]))-((0[1-9])  ([1-2][0-9])(3[0-1])) (T)(([0-1][0-9])  (2[0-3])):[0-5][0-9](Z)		
	(-)?[0-9]{4}-((0[1-9])  (1[0-2]))-((0[1-9])  ([1-2][0-9])(3[0-1])) (T)(([0-1][0-9])  (2[0-3])):[0-5][0-9]: (([0-5][0-9]) 60)\. ([0-9]{1,4}))?(Z)		
	(-)?[0-9]{4}-((0[1-9])  (1[0-2]))-((0[1-9])  ([1-2][0-9])(3[0-1]))		

<b>Name: pattern</b>		<b>Version Id: 1.0.0.0</b>
	(T)24((:00) (:00:00))? (Z)	
	(-)?[0-9]{4}-((0[1-9])  (1[0-2]))-((0[1-9])  ([1-2][0-9]) (3[0-1])) (T)24:00:00(\.[0] {1,4})))(Z)	
	(-)?[0-9]{4}-((0[1-9])  (1[0-2]))-((0[1-9])  ([1-2][0-9]) (3[0-1])) (Z)	

## pattern in ASCII\_Date\_YMD

<b>Name: pattern</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The pattern attribute provides a symbolic instruction for forming values.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> ASCII_ Date_YMD	<i>Type:</i> ASCII_Short_ String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Pattern	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	(-)?[0-9]{4}(Z?)	See the respective formation rule for the value meaning.	
	(-)?[0-9]{4}-((0[1-9])  (1[0-2]))(Z?)		
	(-)?[0-9]{4}-((0[1-9])  (1[0-2]))-((0[1-9])  ([1-2][0-9]) (3[0-1])) (Z?)		

## pattern in ASCII\_LID

<b>Name: pattern</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The pattern attribute provides a symbolic instruction for forming values.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> ASCII_ LID	<i>Type:</i> ASCII_Short_ String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Pattern	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## pattern in ASCII\_MD5\_Checksum

<b>Name: pattern</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The pattern attribute provides a symbolic instruction for forming values.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> ASCII_MD5_Checksum	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Pattern	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	[0-9a-fA-F]{32}	See the respective formation rule for the value meaning.	

## pattern in ASCII\_Numeric\_Base16

<b>Name: pattern</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The pattern attribute provides a symbolic instruction for forming values.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> ASCII_Numeric_Base16	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Pattern	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## pattern in ASCII\_Numeric\_Base2

<b>Name: pattern</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The pattern attribute provides a symbolic instruction for forming values.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> ASCII_Numeric_Base2	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Pattern	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	[0-1]{1,255}	Values of ASCII_Numeric_Base2 are constructed from 1-255 characters, each of which is either 0 or 1	

## pattern in ASCII\_Numeric\_Base8

<b>Name: pattern</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The pattern attribute provides a symbolic instruction for forming values.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> ASCII_Numeric_Base8	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Pattern	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	[0-7]{1,255}	Values of ASCII_Numeric_Base8 are constructed from 1-255 characters, each of which is a digit in the range 0-7	

## pattern in ASCII\_Time

<b>Name: pattern</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The pattern attribute provides a symbolic instruction for forming values.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> ASCII_Time	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Pattern	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	((([0-1][0-9]) (2[0-3])):[0-5][0-9](Z?))	See the respective formation rule for the value meaning.	
	((([0-1][0-9]) (2[0-3])):[0-5][0-9]:((([0-5][0-9]) 60)(\.[0-9]+)))(Z?)		
	((([0-1][0-9]) (2[0-4]))(Z?))		
	24:00(:00(\.0+)))(Z?)		

## pattern in ASCII\_VID

<b>Name: pattern</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The pattern attribute provides a symbolic instruction for forming values.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> ASCII_VID	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255



<b>Name: pattern</b>			<b>Version Id: 1.0.0.0</b>
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Pattern	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	0\.[1-9]([0-9][0-9]+)	See the respective formation rule for the value meaning.	
	[1-9][0-9]*		
	[1-9][0-9]*\.[0-9]+		

## pattern in Character\_Data\_Type

<b>Name: pattern</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The pattern attribute provides a symbolic instruction for forming values.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Character_Data_Type	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Pattern	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## pattern in DD\_Value\_Domain

<b>Name: pattern</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The pattern attribute provides a symbolic instruction for forming values.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> DD_Value_Domain	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Pattern	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## pattern in DD\_Value\_Domain\_Full

<b>Name: pattern</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The pattern attribute provides a symbolic instruction for forming values.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> DD_Value_Domain_Full	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Pattern	<i>Conceptual Domain:</i> Short_String

<b>Name: pattern</b>		<b>Version Id: 1.0.0.0</b>
Status: Active	Nillable: false	Pattern: None
Permissible Value(s)	No Values	

## phone\_book\_flag in PDS\_Affiliate

<b>Name: phone_book_flag</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The phone_book_flag attribute indicates whether or not this person should be included in the phone book.			
Namespace Id: pds	Steward: ops	Class Name: PDS_Affiliate	Type: ASCII_Boolean
Minimum Value: None	Maximum Value: None	Minimum Characters: None	Maximum Characters: None
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: Flag	Conceptual Domain: Boolean
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

## postal\_address\_text in PDS\_Affiliate

<b>Name: postal_address_text</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The postal address text attribute provides a mailing address.			
Namespace Id: pds	Steward: ops	Class Name: PDS_Affiliate	Type: ASCII_Text_Preserved
Minimum Value: None	Maximum Value: None	Minimum Characters: 1	Maximum Characters: None
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: Text	Conceptual Domain: Text
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

## preferred\_flag in Terminological\_Entry

<b>Name: preferred_flag</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The preferred_flag indicates whether this entry is preferred over all other entries.			
Namespace Id: pds	Steward: ops	Class Name: Terminological_Entry	Type: ASCII_Boolean
Minimum Value: None	Maximum Value: None	Minimum Characters: None	Maximum Characters: None
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: Flag	Conceptual Domain: Boolean
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

## primary\_body\_name in Target\_PDS3

<b>Name: primary_body_name</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The primary_body_name attribute identifies the primary body with which a given target body is associated as a secondary body.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> Target_PDS3	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Name	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## processing\_level in Primary\_Result\_Summary

<b>Name: processing_level</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The processing_level attribute provides a broad classification of data processing level.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Primary_Result_Summary	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> None
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	Calibrated	Data converted to physical units, which makes values independent of the instrument.	
	Derived	Results that have been distilled from one or more calibrated data products (for example, maps, gravity or magnetic fields, or ring particle size distributions). Supplementary data, such as calibration tables or tables of viewing geometry, used to interpret observational data should also be classified as 'derived' data if not easily matched to one of the other three categories.	
	Partially Processed	Data that have been processed beyond the raw stage but which have not yet reached calibrated status.	
	Raw	Original data from an instrument. If compression, reformatting, packetization, or other translation has been applied to facilitate data transmission or storage, those processes will be reversed so that the archived data are in a PDS approved archive format.	
	Telemetry	An encoded byte stream used to transfer data from one or more instruments to temporary	

<b>Name: processing_level</b>		<b>Version Id: 1.0.0.0</b>
		storage where the raw instrument data will be extracted.

## processing\_level\_id in Primary\_Result\_Summary \*Deprecated\*

<b>Name: processing_level_id *Deprecated*</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The processing_level_id attribute provides a broad indication of data processing level.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Primary_Result_Summary	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> ID	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Deprecated	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	Calibrated	Data converted to physical units, which makes values independent of the instrument.	
	Derived	Results that have been distilled from one or more calibrated data products (for example, maps, gravity or magnetic fields, or ring particle size distributions). Supplementary data, such as calibration tables or tables of viewing geometry, used to interpret observational data should also be classified as 'derived' data if not easily matched to one of the other three non-telemetry categories.	
	Partially Processed	Data that have been processed beyond the raw stage but which have not yet reached calibrated status.	
	Raw	Original data from an instrument. If compression, reformatting, packetization, or other translation has been applied to facilitate data transmission or storage, those processes will be reversed so that the archived data are in a PDS approved archive format.	
	Telemetry	An encoded byte stream used to transfer data from one or more instruments to temporary storage where the raw instrument data will be extracted.	

## producer\_full\_name in Data\_Set\_PDS3

<b>Name: producer_full_name</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The producer_full_name attribute provides the full_name of the individual mainly responsible for the production of the data set. This individual does not have to be registered with the PDS.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> Data_Set_PDS3	<i>Type:</i> ASCII_Short_String_Collapsed

Attributes in the common  
(pds) namespace.

<b>Name: producer_full_name</b>			<b>Version Id: 1.0.0.0</b>
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Name	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## product\_class in Identification\_Area

<b>Name: product_class</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The product_class attribute provides the name of the product class.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Identification_Area	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> ID	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	Product_AIP	This is a product that is described by the class definition Product_AIP	
	Product_Ancillary	This is a product that is described by the class definition Product_Ancillary	
	Product_Attribute_Definition	This is a product that is described by the class definition Product_Attribute_Definition	
	Product_Browse	This is a product that is described by the class definition Product_Browse	
	Product_Bundle	This is a product that is described by the class definition Product_Bundle	
	Product_Class_Definition	This is a product that is described by the class definition Product_Class_Definition	
	Product_Collection	This is a product that is described by the class definition Product_Collection	
	Product_Context	This is a product that is described by the class definition Product_Context	
	Product_DIP	This is a product that is described by the class definition Product_DIP	
	Product_DIP_Deep_Archive	This is a product that is described by the class definition Product_DIP_Deep_Archive	
	Product_Data_Set_PDS3	This is a product that is described by the class definition Product_Data_Set_PDS3	
	Product_Document	This is a product that is described by the class definition Product_Document	
	Product_File_Repository	This is a product that is described by the class definition Product_File_Repository	

Attributes in the common  
(pds) namespace.

<b>Name: product_class</b>		<b>Version Id: 1.0.0.0</b>
	Product_File_Text	This is a product that is described by the class definition Product_File_Text
	Product_Instrument_Host_PDS3	This is a product that is described by the class definition Product_Instrument_Host_PDS3
	Product_Instrument_PDS3	This is a product that is described by the class definition Product_Instrument_PDS3
	Product_Mission_PDS3	This is a product that is described by the class definition Product_Mission_PDS3
	Product_Native	This is a product that is described by the class definition Product_Native
	Product_Observational	This is a product that is described by the class definition Product_Observational
	Product_Proxy_PDS3	This is a product that is described by the class definition Product_Proxy_PDS3
	Product_SIP	This is a product that is described by the class definition Product_SIP
	Product_SIP_Deep_Archive	This is a product that is described by the class definition Product_SIP_Deep_Archive
	Product_SPICE_Kernel	This is a product that is described by the class definition Product_SPICE_Kernel
	Product_Service	This is a product that is described by the class definition Product_Service
	Product_Software	This is a product that is described by the class definition Product_Software
	Product_Subscription_PDS3	This is a product that is described by the class definition Product_Subscription_PDS3
	Product_Target_PDS3	This is a product that is described by the class definition Product_Target_PDS3
	Product_Thumbnail	This is a product that is described by the class definition Product_Thumbnail
	Product_Update	This is a product that is described by the class definition Product_Update
	Product_Volume_PDS3	This is a product that is described by the class definition Product_Volume_PDS3
	Product_Volume_Set_PDS3	This is a product that is described by the class definition Product_Volume_Set_PDS3
	Product_XML_Schema	This is a product that is described by the class definition Product_XML_Schema
	Product_Zipped	This is a product that is described by the class definition Product_Zipped

## program\_notes\_id in Software\_Binary

<b>Name: program_notes_id</b>	<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The program notes id attribute provides an identifier to a brief statement giving particulars about a software program.	

<b>Name: program_notes_id</b>			<b>Version Id: 1.0.0.0</b>
Namespace Id: pds	Steward: ops	Class Name: Software_ Binary	Type: ASCII_Short_String_Collapsed
Minimum Value: None	Maximum Value: None	Minimum Characters: 1	Maximum Characters: 255
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: ID	Conceptual Domain: Short_String
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

## program\_notes\_id in Software\_Source

<b>Name: program_notes_id</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The program notes id attribute provides an identifier to a brief statement giving particulars about a software program.			
Namespace Id: pds	Steward: ops	Class Name: Software_ Source	Type: ASCII_Short_String_Collapsed
Minimum Value: None	Maximum Value: None	Minimum Characters: 1	Maximum Characters: 255
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: ID	Conceptual Domain: Short_String
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

## programmers\_manual\_id in Software

<b>Name: programmers_manual_id</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The programmers manual id attribute provides an identifier to a document giving instruction about the programming of the software.			
Namespace Id: pds	Steward: ops	Class Name: Software	Type: ASCII_Short_String_Collapsed
Minimum Value: None	Maximum Value: None	Minimum Characters: 1	Maximum Characters: 255
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: ID	Conceptual Domain: Short_String
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

## property\_map\_subtype in Property\_Maps

<b>Name: property_map_subtype</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The property_map_subtype attribute indicates the subcategory of the property map.			
Namespace Id: pds	Steward: ops	Class Name: Property_ Maps	Type: ASCII_Short_String_Collapsed
Minimum Value: None	Maximum Value: None	Minimum Characters: 1	Maximum Characters: 255

<b>Name: property_map_subtype</b>			<b>Version Id: 1.0.0.0</b>
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> None
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	No Values		

## property\_map\_type in Property\_Maps

<b>Name: property_map_type</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The property_map_type attribute indicates the category of the property map.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> Property_Maps	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> None
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	Nuance	A subtle difference or distinction in meaning of a defined attribute.	
	Query Model	A list of defined attributes to be used for a specific query.	
	Rationale	A statement of reasons about the definition of an attribute.	
	Synonym	An attribute in an external standard that has thesame or nearly the same meaning.	
	Velocity Variable	A list of defined attributes to have values provided during product label generation.	

## property\_name in Property\_Map\_Entry

<b>Name: property_name</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The property name attribute provides a word or a combination of words by which a property is known.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> Property_Map_Entry	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> None
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	No Values		

## property\_value in Property\_Map\_Entry

<b>Name: property_value</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The property value attribute provides the value assigned to a property.			



<b>Name: property_value</b>			<b>Version Id: 1.0.0.0</b>
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> Property_Map_Entry	<i>Type:</i> ASCII_Text_Preserved
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> Text
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## provider\_site\_id in SIP\_Deep\_Archive

<b>Name: provider_site_id</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The provider site id attribute provides an identifier for the provider.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> SIP_Deep_Archive	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> None
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## publication\_date in Document

<b>Name: publication_date</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The publication_date attribute provides the date on which an item was published.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Document	<i>Type:</i> ASCII_Date_YMD
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Time	<i>Conceptual Domain:</i> Time
<i>Status:</i> Active	<i>Nillable:</i> true	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## publication\_date in Volume\_PDS3

<b>Name: publication_date</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The publication_date attribute provides the date on which an item was published.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> Volume_PDS3	<i>Type:</i> ASCII_Date_YMD
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Time	<i>Conceptual Domain:</i> Time

<b>Name: publication_date</b>		<b>Version Id: 1.0.0.0</b>
Status: Active	Nillable: true	Pattern: None
Permissible Value(s)	No Values	

## publication\_year in Citation\_Information

<b>Name: publication_year</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The publication_year attribute provides the year in which the product should be considered as published. Generally, this will be the year the data were declared "Certified" or "Archived".			
Namespace Id: pds	Steward: pds	Class Name: Citation_Information	Type: ASCII_Date_YMD
Minimum Value: None	Maximum Value: None	Minimum Characters: None	Maximum Characters: None
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: Time	Conceptual Domain: Time
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

## purpose in Primary\_Result\_Summary

<b>Name: purpose</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The purpose attribute provides an indication of the primary purpose of the observations included.			
Namespace Id: pds	Steward: pds	Class Name: Primary_Result_Summary	Type: ASCII_Short_String_Collapsed
Minimum Value: None	Maximum Value: None	Minimum Characters: 1	Maximum Characters: 255
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: ID	Conceptual Domain: Short_String
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	Value	Value Meaning	
	Calibration	Data collected to determine the relationship between measurement values and physical units.	
	Checkout	Data collected during operational tests	
	Engineering	Data collected about support systems and structures, which are ancillary to the primary measurements.	
	Navigation	Data collected to support navigation	
	Observation Geometry	Data used to compute instrument observation geometry, such as SPICE kernels.	
	Science	Data collected primarily to answer questions about the targets of the investigation.	

## record\_delimiter in Checksum\_Manifest

<b>Name: record_delimiter</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The record_delimiter attribute provides the character or characters used to indicate the end of a record.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> Checksum_Manifest	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> None
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	Carriage-Return Line-Feed	Records in the Checksum Manifest are delimited by ASCII carriage-return line-feed pairs (0x0D_0x0A)	
	carriage-return line-feed - *Deprecated*	Records in the Checksum Manifest are delimited by ASCII carriage-return line-feed pairs (0x0D0x0A)	

## record\_delimiter in Stream\_Text

<b>Name: record_delimiter</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The record_delimiter attribute provides the character or characters used to indicate the end of a record.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Stream_Text	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Delimiter	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	Carriage-Return Line-Feed	Records in the Stream Text are delimited by ASCII carriage-return line-feed pairs (0x0D_0x0A)	
	carriage-return line-feed - *Deprecated*	Records in the stream text are delimited by ASCII carriage-return line-feed pairs (0x0D0x0A)	

## record\_delimiter in Table\_Binary \*Deprecated\*

<b>Name: record_delimiter *Deprecated*</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The record_delimiter attribute provides the character or characters used to indicate the end of a record.			

<b>Name: record_delimiter *Deprecated*</b>			<b>Version Id: 1.0.0.0</b>
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Table_ Binary	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Delimiter	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Deprecated	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## record\_delimiter in Table\_Character

<b>Name: record_delimiter</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The record_delimiter attribute provides the character or characters used to indicate the end of a record.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Table_ Character	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Delimiter	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	Carriage-Return Line-Feed	Records in the delimited table are delimited by ASCII carriage-return line-feed pairs (0x0D_0x0A)	
	carriage-return line-feed - *Deprecated*	Records in the character table are delimited by ASCII carriage-return line-feed pairs (0x0D0x0A)	

## record\_delimiter in Table\_Delimited

<b>Name: record_delimiter</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The record_delimiter attribute provides the character or characters used to indicate the end of a record.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Table_ Delimited	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Delimiter	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	Carriage-Return Line-Feed	Records in the delimited table are delimited by ASCII carriage-return line-feed pairs (0x0D_0x0A)	

<b>Name: record_delimiter</b>		<b>Version Id: 1.0.0.0</b>
	carriage-return line-feed - *Deprecated*	Records in the delimited table are delimited by ASCII carriage-return line-feed pairs (0x0D0x0A)

## record\_length in Record\_Binary

<b>Name: record_length</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The record_length attribute provides the length of a record, including a record delimiter, if present.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Record_Binary	<i>Type:</i> ASCII_Integer
<i>Minimum Value:</i> 1	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> Units_of_Storage	<i>Default Unit Id:</i> byte	<i>Attribute Concept:</i> Length	<i>Conceptual Domain:</i> Integer
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## record\_length in Record\_Character

<b>Name: record_length</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The record_length attribute provides the length of a record, including the record delimiter.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Record_Character	<i>Type:</i> ASCII_Integer
<i>Minimum Value:</i> 1	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> Units_of_Storage	<i>Default Unit Id:</i> byte	<i>Attribute Concept:</i> Length	<i>Conceptual Domain:</i> Integer
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## records in File

<b>Name: records</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The records attribute provides a count of records.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> File	<i>Type:</i> ASCII_Integer
<i>Minimum Value:</i> 1	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Count	<i>Conceptual Domain:</i> Integer
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## records in Table\_Base

<b>Name: records</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The records attribute provides a count of records.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Table_Base	<i>Type:</i> ASCII_Integer
<i>Minimum Value:</i> 1	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Count	<i>Conceptual Domain:</i> Integer
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## records in Table\_Delimited

<b>Name: records</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The records attribute provides a count of records.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Table_Delimited	<i>Type:</i> ASCII_Integer
<i>Minimum Value:</i> 1	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Count	<i>Conceptual Domain:</i> Integer
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## reference\_frame\_id in Vector

<b>Name: reference_frame_id</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The reference frame id attribute identifies a reference frame, an origin and set of axes, the physical realization of a reference system, i.e., the reference frame orientation and axes are established by the reported coordinates of datum points in the reference system.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Vector	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> ID	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> true	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	ICRF	International celestial reference frame	
	MOON_ME_DE421	Moon mean Earth based on JPL DE421	

## reference\_frame\_id in Vector\_Cartesian\_3

<b>Name:</b> reference_frame_id			<b>Version Id:</b> 1.0.0.0
<i>Description:</i> The reference frame id attribute identifies a reference frame, an origin and set of axes, the physical realization of a reference system, i.e., the reference frame orientation and axes are established by the reported coordinates of datum points in the reference system.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Vector_Cartesian_3	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> ID	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	ICRF	International celestial reference frame	
	MOON_ME_DE421	Moon mean Earth based on JPL DE421	

## reference\_text in External\_Reference

<b>Name:</b> reference_text			<b>Version Id:</b> 1.0.0.0
<i>Description:</i> The reference_text attribute provides a complete bibliographic citation for a published work.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> External_Reference	<i>Type:</i> ASCII_Text_Preserved
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Text	<i>Conceptual Domain:</i> Text
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## reference\_type in Bundle\_Member\_Entry

<b>Name:</b> reference_type			<b>Version Id:</b> 1.0.0.0
<i>Description:</i> The reference_type attribute provides the name of the association.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Bundle_Member_Entry	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Type	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	bundle_has_browse_collection	The bundle has a browse collection member	
	bundle_has_calibration_collection	The bundle has a calibration collection member	

<i>Name: reference_type</i>		<i>Version Id: 1.0.0.0</i>
	bundle_has_context_collection	The bundle has a context collection member
	bundle_has_data_collection	The bundle has a data collection member
	bundle_has_document_collection	The bundle has a document collection member
	bundle_has_geometry_collection	The bundle has a geometry collection member
	bundle_has_member_collection	The bundle has a member collection member
	bundle_has_schema_collection	The bundle has a schema collection member
	bundle_has_spice_kernel_collection	The bundle has a spice kernel collection member

## reference\_type in DD\_Association

<i>Name: reference_type</i>		<i>Version Id: 1.0.0.0</i>	
<i>Description:</i> The reference_type attribute provides the name of the association.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> DD_Association	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Type	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	attribute_of	The referenced attribute is a member of this class	
	component_of	The referenced class is a component of this class	
	extension_of - *Deprecated*	The referenced class is an extension of this class	
	parent_of	This class is a parent of the referenced class	
	restriction_of - *Deprecated*	The referenced class is a restriction of this class	
	subclass_of - *Deprecated*	The referenced class is a subclass of this class	

## reference\_type in DD\_Association\_External \*Deprecated\*

<i>Name: reference_type</i>		<i>Version Id: 1.0.0.0</i>	
<i>Description:</i> The reference_type attribute provides the name of the association.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> DD_Association_External *Deprecated*	<i>Type:</i> ASCII_Short_String_Collapsed



Attributes in the common  
(pds) namespace.

<b>Name: reference_type</b>			<b>Version Id: 1.0.0.0</b>
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Type	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	attribute_of	The referenced attribute is a member of this class	
	component_of	The referenced class is a component of this class	
	extension_of	The referenced class is an extension of this class	
	parent_of	This class is a parent of the referenced class	
	restriction_of	The referenced class is a restriction of this class	
	subclass_of	The referenced class is a subclass of this class	

## reference\_type in Internal\_Reference

<b>Name: reference_type</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The reference_type attribute provides the name of the association.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Internal_Reference	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Type	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		
<i>Extended Value(s) for: pds:Observing_System_Component/ pds:Internal_Reference</i>	<i>Value</i>	<i>Value Meaning</i>	
	is_instrument	The referenced class is a context product describing the instrument.	
	is_instrument_host	The referenced class is a context product describing the instrument_host	
	is_other	The referenced class is a context product describing something not classified	
	is_facility	The referenced class is a context product describing the facility	
	is_telescope	The referenced class is a context product describing the telescope	
<i>Extended Value(s) for: pds:Product_AIP/pds:Information_Package_Component/ pds:Internal_Reference</i>	<i>Value</i>	<i>Value Meaning</i>	
	package_has_collection	The Archival Information Package contains a Collection.	

Attributes in the common  
(pds) namespace.

<b>Name: reference_type</b>		<b>Version Id: 1.0.0.0</b>
	package_has_bundle	The Archival Information Package contains a Bundle.
	package_has_product	The Archival Information Package contains a basic Product.
	package_compiled_from_package	The Archival Information Package is compiled from a Submission Information Package.
<i>Extended Value(s) for: pds:Product_Ancillary/ pds:Reference_List/ pds:Internal_Reference</i>	<i>Value</i>	<i>Value Meaning</i>
	ancillary_to_data	The ancillary product is associated to a data product
<i>Extended Value(s) for: pds:Product_Browse/ pds:Reference_List/ pds:Internal_Reference</i>	<i>Value</i>	<i>Value Meaning</i>
	browse_to_data	The browse product is associated to a data product
	browse_to_thumbnail	The browse product is associated to a thumbnail
<i>Extended Value(s) for: pds:Product_Bundle/ pds:Context_Area/ pds:Investigation_Area/ pds:Internal_Reference</i>	<i>Value</i>	<i>Value Meaning</i>
	bundle_to_investigation	The bundle is associated to an investigation
<i>Extended Value(s) for: pds:Product_Bundle/ pds:Reference_List/ pds:Internal_Reference</i>	<i>Value</i>	<i>Value Meaning</i>
	bundle_to_errata	The bundle is associated to an errata document
	bundle_to_document	The bundle is associated to a document
	bundle_to_investigation	The bundle is associated to an investigation
	bundle_to_instrument	The bundle is associated to an instrument
	bundle_to_instrument_host	The bundle is associated to an instrument host
	bundle_to_target	The bundle is associated to a target
	bundle_to_resource	The bundle is associated to a resource
	bundle_to_associate	The bundle is associated to a product
<i>Extended Value(s) for: pds:Product_Collection/ pds:Context_Area/ pds:Investigation_Area/ pds:Internal_Reference</i>	<i>Value</i>	<i>Value Meaning</i>

Attributes in the common  
(pds) namespace.

<b>Name: reference_type</b>		<b>Version Id: 1.0.0.0</b>
	collection_to_investigation	The collection is associated to an investigation
<i>Extended Value(s) for: pds:Product_Collection/ pds:Reference_List/ pds:Internal_Reference</i>	<i>Value</i>	<i>Value Meaning</i>
	collection_to_resource	The collection is associated to a resource
	collection_to_associate	The collection is associated to a product
	collection_to_calibration	The collection is associated to calibration data
	collection_to_geometry	The collection is associated to geometry
	collection_to_spice_kernel	The collection is associated to spice kernels
	collection_curated_by_node	The collection is curated by the referenced node
	collection_to_document	The collection is associated to a document
	collection_to_browse	The collection is associated to a browse product
	collection_to_context	The collection is associated to a context product
	collection_to_data	The collection is associated to a data product
	collection_to_ancillary	The collection is associated to an ancillary product
	collection_to_schema	The collection is associated to a schema document
	collection_to_errata	The collection is associated to an errata document
	collection_to_bundle	The collection is associated to a bundle
	collection_to_personnel	The collection is associated to personnel
	collection_to_investigation	The collection is associated to an investigation
	collection_to_instrument	The collection is associated to an instrument
	collection_to_instrument_host	The collection is associated to an instrument host
	collection_to_target	The collection is associated to a target
<i>Extended Value(s) for: pds:Product_Context/ pds:Reference_List/ pds:Internal_Reference</i>	<i>Value</i>	<i>Value Meaning</i>
	context_to_associate	The context product is associated to a product
	instrument_to_document	The instrument is associated to a document
	instrument_to_instrument_host	The instrument is associated to an instrument host
	instrument_host_to_document	The instrument host is associated to a document

Attributes in the common  
(pds) namespace.

<i>Name: reference_type</i>		<i>Version Id: 1.0.0.0</i>
	instrument_host_to_instrument	The instrument_host is associated to an instrument
	instrument_host_to_investigation	The instrument host is associated to an investigation
	instrument_host_to_target	The instrument host is associated to a target
	investigation_to_document	The investigation is associated to a document
	investigation_to_instrument	The investigation is associated to an instrument
	investigation_to_instrument_host	The investigation is associated to an instrument_host
	investigation_to_target	The investigation is associated to a target
	node_to_personnel	The node is associated to a person
	node_to_agency	The node is associated to an agency
	node_to_manager	The node is associated to a manager
	node_to_operator	The node is associated to an operator
	node_to_data_archivist	The node is associated to a data archivist
	resource_to_instrument	The resource is associated to an instrument
	resource_to_instrument_host	The resource is associated to an instrument host
	resource_to_investigation	The resource is associated to an investigation
	resource_to_target	The resource is associated to a target
	target_to_document	The target is associated to a document
	target_to_instrument	The target is associated to an instrument
	target_to_instrument_host	The target is associated to an instrument_host
	target_to_investigation	The target is associated to an investigation
<i>Extended Value(s) for: pds:Product_ DIP/pds:Information_ Package_Component/ pds:Internal_Reference</i>	<i>Value</i>	<i>Value Meaning</i>
	package_has_collection	The Dissemination Information Package contains a Collection.
	package_has_bundle	The Dissemination Information Package contains a Bundle.
	package_has_product	The Dissemination Information Package contains a basic Product.
	package_compiled_from_package	The Dissemination Information Package is compiled from an Archival Information Package.
<i>Extended Value(s) for: pds:Product_ DIP_Deep_Archive/ pds:Information_</i>	<i>Value</i>	<i>Value Meaning</i>

Attributes in the common  
(pds) namespace.

<b>Name: reference_type</b>		<b>Version Id: 1.0.0.0</b>
<i>Package_Component/ pds:Internal_Reference</i>		
	package_has_collection	The Dissemination Information Package contains a Collection.
	package_has_bundle	The Dissemination Information Package contains a Bundle.
	package_has_product	The Dissemination Information Package contains a basic Product.
	package_compiled_from_package	The Dissemination Information Package is compiled from an Archival Information Package.
<i>Extended Value(s) for: pds:Product_Document/ pds:Context_Area/ pds:Investigation_Area/pds:Internal_Reference</i>	<i>Value</i>	<i>Value Meaning</i>
	document_to_investigation	The document is associated to an investigation
<i>Extended Value(s) for: pds:Product_Document/ pds:Context_Area/pds:Target_Identification/ pds:Internal_Reference</i>	<i>Value</i>	<i>Value Meaning</i>
	document_to_target	The document is associated to a target
<i>Extended Value(s) for: pds:Product_Document/ pds:Reference_List/ pds:Internal_Reference</i>	<i>Value</i>	<i>Value Meaning</i>
	document_to_associate	The document is associated to a product
	document_to_investigation	The document is associated to an investigation
	document_to_instrument_host	The document is associated to an instrument_host
	document_to_instrument	The document is associated to an instrument
	document_to_target	The document is associated to a target
<i>Extended Value(s) for: pds:Product_Observational/ pds:Observation_Area/ pds:Investigation_Area/pds:Internal_Reference</i>	<i>Value</i>	<i>Value Meaning</i>
	data_to_investigation	The data product is associated to an investigation
<i>Extended Value(s) for: pds:Product_</i>	<i>Value</i>	<i>Value Meaning</i>

Attributes in the common  
(pds) namespace.

<b>Name: reference_type</b>		<b>Version Id: 1.0.0.0</b>
<i>Observational/ pds:Observation_ Area/pds:Target_ Identification/ pds:Internal_Reference</i>		
	data_to_target	The data product is associated to a target
	collection_to_target	The collection is associated to a target
	bundle_to_target	The bundle is associated to a target
	document_to_target	The document is associated to a target
<i>Extended Value(s) for: pds:Product_ Observational/ pds:Reference_List/ pds:Internal_Reference</i>	<i>Value</i>	<i>Value Meaning</i>
	data_to_associate	The data product is associated to a product
	data_to_resource	The data product is associated to a resource
	data_to_calibration_ document	The data product is associated to a calibration document
	data_to_calibration_ product	The data product is associated to a calibration product
	data_to_raw_product	The data product is associated to a raw product
	data_to_calibrated_ product	The data product is associated to a calibrated product
	data_to_derived_ product	The data product is associated to a derived product
	data_to_geometry	The data product is associated to geometry
	data_to_spice_kernel	The data product is associated to spice kernel(s)
	data_to_thumbnail	The data product is associated to a thumbnail
	data_to_document	The data product is associated to a document
	data_curated_by_node	The data product is curated by the referenced node
	data_to_browse	The data product is associated to a browse product
	data_to_ancillary_data	The referencing data product requires the referenced data product to provide specific support for its own use. For example, a table with footnotes can be archived as two products: a data table file with a field giving a footnote code number; and a footnotes file sorted by those code numbers. The label of the data table would then reference the footnotes file with an association type of "data_to_ancillary_data".
<i>Extended Value(s) for: pds:Product_ SIP/pds:Information_ Package_Component/ pds:Internal_Reference</i>	<i>Value</i>	<i>Value Meaning</i>

Attributes in the common  
(pds) namespace.

<b>Name: reference_type</b>		<b>Version Id: 1.0.0.0</b>
	package_has_collection	The Submission Information Package contains a Collection.
	package_has_bundle	The Submission Information Package contains a Bundle.
	package_has_product	The Submission Information Package is contains a basic Product.
<i>Extended Value(s) for: pds:Product_SIP_Deep_Archive/pds:Information_Package_Component_Deep_Archive/pds:Internal_Reference</i>	<i>Value</i>	<i>Value Meaning</i>
	package_has_bundle	The Submission Information Package Deep Archive contains a Bundle.
<i>Extended Value(s) for: pds:Product_Update/pds:Reference_List/pds:Internal_Reference</i>	<i>Value</i>	<i>Value Meaning</i>
	update_to_collection	The update is associated to a collection product
<i>Extended Value(s) for: pds:Product_Zipped/pds:Internal_Reference</i>	<i>Value</i>	<i>Value Meaning</i>
	zip_to_package	The zip file contains a copy of the package

## reference\_type in Inventory

<b>Name: reference_type</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The reference_type attribute provides the name of the association.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Inventory	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Type	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	inventory_has_member_product	The collection inventory has member products identified by either LIDVID or LID references	

## registered\_by in DD\_Attribute\_Full

<b>Name: registered_by</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The registered_by attribute provides the name of the person or organization that registered the object.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> DD_Attribute_Full	<i>Type:</i> ASCII_Short_String_Collapsed

<b>Name: registered_by</b>			<b>Version Id: 1.0.0.0</b>
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Text	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	No Values		

## registered\_by in DD\_Class\_Full

<b>Name: registered_by</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The registered_by attribute provides the name of the person or organization that registered the object.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> DD_ Class_Full	<i>Type:</i> ASCII_Short_ String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Text	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	No Values		

## registration\_authority\_id in DD\_Attribute\_Full

<b>Name: registration_authority_id</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The registration_authority_id attribute provides the name of the organization that registered the object.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> DD_ Attribute_Full	<i>Type:</i> ASCII_Short_ String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> ID	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	0001_NASA_PDS_1	The Attribute Registration_Authority is 0001_NASA_PDS_1	

## registration\_authority\_id in DD\_Class\_Full

<b>Name: registration_authority_id</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The registration_authority_id attribute provides the name of the organization that registered the object.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> DD_ Class_Full	<i>Type:</i> ASCII_Short_ String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255



<b>Name: registration_authority_id</b>			<b>Version Id: 1.0.0.0</b>
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> ID	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	No Values		

## registration\_date in PDS\_Affiliate

<b>Name: registration_date</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The registration_date attribute provides the date of registration within the PDS system.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> PDS_Affiliate	<i>Type:</i> ASCII_Date_YMD
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Time	<i>Conceptual Domain:</i> Time
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	No Values		

## registration\_date in PDS\_Guest

<b>Name: registration_date</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The registration_date attribute provides the date of registration within the PDS system.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> PDS_Guest	<i>Type:</i> ASCII_Date_YMD
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Time	<i>Conceptual Domain:</i> Time
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	No Values		

## release\_date in Service

<b>Name: release_date</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The release_date attribute provides the date that the product was released.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> Service	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> None
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	No Values		

## repetitions in Group

<b>Name: repetitions</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The repetitions attribute provides the number of times a set of repeating fields and, possibly, (sub)groups is replicated within a group.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Group	<i>Type:</i> ASCII_Integer
<i>Minimum Value:</i> 1	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Count	<i>Conceptual Domain:</i> Integer
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## revision\_id in Document

<b>Name: revision_id</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The revision_id attribute provides the revision level of a document, which may be set outside PDS and may be different from its version_id.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Document	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> ID	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## rotation\_direction in Target\_PDS3

<b>Name: rotation_direction</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The rotation_direction element provides the direction of rotation as viewed from the north pole of the 'invariable plane of the solar system', which is the plane passing through the center of mass of the solar system and perpendicular to the angular momentum vector of the solar system. The value for this element is PROGRADE for counter -clockwise rotation, RETROGRADE for clockwise rotation and SYNCHRONOUS for satellites which are tidally locked with the primary. Sidereal_rotation_period and rotation_direction_type are unknown for a number of satellites, and are not applicable (N/A) for satellites which are tumbling.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> Target_PDS3	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Direction	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## rule\_assign in DD\_Rule

<b>Name: rule_assign</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The rule_assign attribute provides an assignment statement for a schematron rule.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> DD_Rule	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> None
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## rule\_context in DD\_Rule

<b>Name: rule_context</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The rule_context attribute provides the xpath for the rule.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> DD_Rule	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> None
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## rule\_description in DD\_Rule\_Statement

<b>Name: rule_description</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The rule_description attribute provides a description of the rule statement suitable for user documentation.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> DD_Rule_Statement	<i>Type:</i> ASCII_Text_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> Text
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## rule\_message in DD\_Rule\_Statement

<b>Name: rule_message</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The rule_message attribute provides a message to be displayed by the schematron processor when the test condition is met.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> DD_Rule_Statement	<i>Type:</i> ASCII_Text_Collapsed

<b>Name: rule_message</b>			<b>Version Id: 1.0.0.0</b>
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> Text
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	No Values		

## rule\_test in DD\_Rule\_Statement

<b>Name: rule_test</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The rule_test attribute provides the body of the statement to be executed by the schematron processor.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> DD_ Rule_Statement	<i>Type:</i> ASCII_Text_ Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> Text
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	No Values		

## rule\_type in DD\_Rule\_Statement

<b>Name: rule_type</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The rule_type attribute indicates the type of statement to be executed.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> DD_ Rule_Statement	<i>Type:</i> ASCII_Short_ String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> None
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	Assert	The rule statement type is generic Assert.	
	Assert Every	The rule statement type is Assert Every.	
	Assert If	The rule statement type is Assert If.	
	Report	The rule statement type is Report.	

## rule\_value in DD\_Rule\_Statement

<b>Name: rule_value</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The rule_value attribute provides values to be used to complete certain schematon statements.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> DD_ Rule_Statement	<i>Type:</i> ASCII_Short_ String_Collapsed

<b>Name: rule_value</b>			<b>Version Id: 1.0.0.0</b>
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	No Values		

## sample\_display\_direction in Display\_2D\_Image \*Deprecated\*

<b>Name: sample_display_direction</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The sample_display_direction attribute provides the preferred orientation of samples within a line for viewing on a display device. The attribute sample_display_direction must be used with line_display_direction.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Display_2D_Image *Deprecated*	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Direction	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	Right	The preferred orientation of samples within an line for viewing on a display device is Right	

## sampling\_parameter\_base in Uniformly\_Sampled

<b>Name: sampling_parameter_base</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The sampling_parameter_base attribute provides the base b by which exponentials are calculated in the definition of the attribute sampling_parameter_interval.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Uniformly_Sampled	<i>Type:</i> ASCII_Real
<i>Minimum Value:</i> 0	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Number	<i>Conceptual Domain:</i> Real
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	No Values		

## sampling\_parameter\_interval in Uniformly\_Sampled

<b>Name: sampling_parameter_interval</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The sampling_parameter_interval attribute provides the spacing of points at which data are sampled and at which values for an instrument or other parameter are available. If $x_1$ and $x_n$ are the first and last sampling parameter values, respectively, $x_n$ is larger than $x_1$ , $n$ is the number of sampling parameters, the caret symbol (^) denotes exponentiation, and $b$ , a positive real number, is the base for exponentiation, then the value of sampling_parameter_interval is: $(x_n - x_1) / (n - 1)$ (for sampling_parameter_scale = Linear), $(x_n / x_1)^{1 / (n - 1)}$ (for sampling_parameter_scale = Logarithmic), $(b^n x_n - b x_1) / (n - 1)$ (for sampling_parameter_scale = Exponential).			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Uniformly_Sampled	<i>Type:</i> ASCII_Real
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Number	<i>Conceptual Domain:</i> Real
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## sampling\_parameter\_name in Uniformly\_Sampled

<b>Name: sampling_parameter_name</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The sampling_parameter_name element provides the name of the parameter which determines the sampling interval of a particular instrument or dataset parameter. For example, magnetic field intensity is sampled in time increments, and a spectrum is sampled in wavelength or frequency.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Uniformly_Sampled	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Name	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## sampling\_parameter\_scale in Uniformly\_Sampled

<b>Name: sampling_parameter_scale</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The sampling_parameter_scale element specifies whether the sampling interval is linear or something other such as logarithmic.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Uniformly_Sampled	<i>Type:</i> ASCII_Short_String_Collapsed

<b>Name: sampling_parameter_scale</b>			<b>Version Id: 1.0.0.0</b>
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Scale	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	Exponential	The values of the independent variable in Exponential Uniformly Sampled data are given at uniform spacing of the exponential of some base b, a positive real number. That is, for independent variable x in the range [x1, xn], the sampling points xj satisfy: $b^{x_j} = b^{x_1} + (j-1)(b^{x_n} - b^{x_1})/(n-1)$ for j = 1 ... n where the caret symbol (^) denotes exponentiation. For example, if the independent variable has values 0., 0.30103, 0.47712, 0.60206, ... and the base is 10, then the Exponential Uniformly Spaced data are given at 10^0., 10^0.30103, 10^0.47712, 10^0.60206, ... or 1, 2, 3, 4, ...	
	Linear	Values of Uniformly_Sampled are given at uniform (linear) spacings of an independent variable - for example, 1, 2, 3, 4, ...	
	Logarithmic	The values of the independent variable, x, in Logarithmic Uniformly Sampled data are given at uniform spacing of the logarithm of x in some base, b, a positive real number. That is, for independent variable x in the range [x1, xn], the sampling points xj satisfy: $\log_b(x_j) = \log_b(x_1) + (j-1)(\log_b(x_n) - \log_b(x_1))/(n-1)$ for j = 1 ... n where $\log_b(x)$ is the log of x in base b. For example, if the independent variable has values 1, 10, 100, 1000, ... and the base is 10, then the Logarithmic Uniformly Spaced data are given at 0, 1, 2, 3 ...	

## sampling\_parameter\_unit in Uniformly\_Sampled

<b>Name: sampling_parameter_unit</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The sampling_parameter_unit element specifies the unit of measure of associated data sampling parameters.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Uniformly_Sampled	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Unit	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## sampling\_parameters in Uniformly\_Sampled

<b>Name: sampling_parameters</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The sampling_parameters attribute provides the total number of sampling parameter values between first_sampling_parameter_value and last_sampling_parameter_value (inclusive).			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Uniformly_Sampled	<i>Type:</i> ASCII_NonNegative_Integer
<i>Minimum Value:</i> 2	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Number	<i>Conceptual Domain:</i> Integer
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## saturated\_constant in Special\_Constants

<b>Name: saturated_constant</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The saturated_constant attribute provides a value that indicates the original value was invalid because of sensor saturation.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Special_Constants	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Constant	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## scaling\_factor in Band\_Bin \*Deprecated\*

<b>Name: scaling_factor</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The scaling_factor attribute is the scaling factor to be applied to each stored value in order to recover an original value. The observed value (Ov) is calculated from the stored value (Sv) thus: $Ov = (Sv * scaling\_factor) + value\_offset$ . The default value is 1.			
<i>Namespace Id:</i> pds	<i>Steward:</i> img	<i>Class Name:</i> Band_Bin *Deprecated*	<i>Type:</i> ASCII_Real
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Number	<i>Conceptual Domain:</i> Real
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		



## scaling\_factor in Element\_Array

<b>Name: scaling_factor</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The scaling_factor attribute is the scaling factor to be applied to each stored value in order to recover an original value. The observed value (Ov) is calculated from the stored value (Sv) thus: $Ov = (Sv * scaling\_factor) + value\_offset$ . The default value is 1.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Element_Array	<i>Type:</i> ASCII_Real
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Factor	<i>Conceptual Domain:</i> Real
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## scaling\_factor in Field\_Binary

<b>Name: scaling_factor</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The scaling_factor attribute is the scaling factor to be applied to each stored value in order to recover an original value. The observed value (Ov) is calculated from the stored value (Sv) thus: $Ov = (Sv * scaling\_factor) + value\_offset$ . The default value is 1.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Field_Binary	<i>Type:</i> ASCII_Real
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Factor	<i>Conceptual Domain:</i> Real
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## scaling\_factor in Field\_Bit

<b>Name: scaling_factor</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The scaling_factor attribute is the scaling factor to be applied to each stored value in order to recover an original value. The observed value (Ov) is calculated from the stored value (Sv) thus: $Ov = (Sv * scaling\_factor) + value\_offset$ . The default value is 1.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Field_Bit	<i>Type:</i> ASCII_Real
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Factor	<i>Conceptual Domain:</i> Real
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## scaling\_factor in Field\_Character

<b>Name: scaling_factor</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The scaling_factor attribute is the scaling factor to be applied to each stored value in order to recover an original value. The observed value (Ov) is calculated from the stored value (Sv) thus: $Ov = (Sv * scaling\_factor) + value\_offset$ . The default value is 1.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Field_Character	<i>Type:</i> ASCII_Real
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Factor	<i>Conceptual Domain:</i> Real
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## scaling\_factor in Field\_Delimited

<b>Name: scaling_factor</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The scaling_factor attribute is the scaling factor to be applied to each stored value in order to recover an original value. The observed value (Ov) is calculated from the stored value (Sv) thus: $Ov = (Sv * scaling\_factor) + value\_offset$ . The default value is 1.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Field_Delimited	<i>Type:</i> ASCII_Real
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Factor	<i>Conceptual Domain:</i> Real
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## sequence\_number in Axis\_Array

<b>Name: sequence_number</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The sequence_number attribute provides a number that is used to order axes in an array.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Axis_Array	<i>Type:</i> ASCII_Integer
<i>Minimum Value:</i> 1	<i>Maximum Value:</i> 16	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Number	<i>Conceptual Domain:</i> Integer
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## sequence\_number in Quaternion\_Component

<b>Name: sequence_number</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The sequence_number attribute provides a number that is used to order axes in an array.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Quaternion_Component	<i>Type:</i> ASCII_Integer
<i>Minimum Value:</i> 1	<i>Maximum Value:</i> 16	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Number	<i>Conceptual Domain:</i> Integer
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## sequence\_number in Vector\_Component

<b>Name: sequence_number</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The sequence_number attribute provides a number that is used to order axes in an array.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Vector_Component	<i>Type:</i> ASCII_Integer
<i>Minimum Value:</i> 1	<i>Maximum Value:</i> 16	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Number	<i>Conceptual Domain:</i> Integer
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## serial\_number in Instrument

<b>Name: serial_number</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The serial number element provides the assigned manufacturer's serial number.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Instrument	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Number	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## serial\_number in Instrument\_Host

<b>Name: serial_number</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The serial number attribute provides the manufacturer's serial number assigned to an instrument host.			

<b>Name: serial_number</b>			<b>Version Id: 1.0.0.0</b>
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Instrument_Host	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Number	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## service\_type in Service

<b>Name: service_type</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The service type attribute identifies the class of system function provided.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> Service	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> None
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	Service	The service type Service describes an application that performs a system function on-line.	
	Tool	The service type Tool describes an application that performs a system function off-line.	

## software\_dialect in Software\_Source

<b>Name: software_dialect</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The software dialect attribute indicates the variety of a language used to write the software.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> Software_Source	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Text	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## software\_format\_type in Software\_Binary

<b>Name: software_format_type</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The software format type attribute classifies the format of the software.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> Software_Binary	<i>Type:</i> ASCII_Short_String_Collapsed

<b>Name: software_format_type</b>			<b>Version Id: 1.0.0.0</b>
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Type	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## software\_format\_type in Software\_Source

<b>Name: software_format_type</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The software format type attribute classifies the format of the software.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> Software_ Source	<i>Type:</i> ASCII_Short_ String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Type	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## software\_id in Software

<b>Name: software_id</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The software id attribute provides a formal name used to refer to the software.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> Software	<i>Type:</i> ASCII_Short_ String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> ID	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## software\_language in Service

<b>Name: software_language</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The software language attribute identifies the language used to write the software.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> Service	<i>Type:</i> ASCII_Short_ String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> None
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## software\_language in Software\_Source

<b>Name: software_language</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The software language attribute identifies the language used to write the software.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> Software_Source	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Text	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## software\_type in Software

<b>Name: software_type</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The software type attribute identifies the class of which the software is a member.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> Software	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Type	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## software\_version\_id in Software

<b>Name: software_version_id</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The software_version_id attribute provides the version of the software.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> Software	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## solar\_longitude in Time\_Coordinates

<b>Name: solar_longitude</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The solar_longitude attribute provides the angle between the body-Sun line at the time of interest and the body-Sun line at its vernal equinox.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Time_Coordinates	<i>Type:</i> ASCII_Real

<b>Name: solar_longitude</b>			<b>Version Id: 1.0.0.0</b>
<i>Minimum Value:</i> 0	<i>Maximum Value:</i> 360	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> Units_of_Angle	<i>Default Unit Id:</i> deg	<i>Attribute Concept:</i> Longitude	<i>Conceptual Domain:</i> Real
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	No Values		

## sort\_name in PDS\_Affiliate

<b>Name: sort_name</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The sort name attribute provides a string to be used in ordering. For people, the last name (surname) is typically first, followed by a comma and then other names.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> PDS_Affiliate	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Name	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	No Values		

## sort\_name in PDS\_Guest

<b>Name: sort_name</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The sort name attribute provides a string to be used in ordering. For people, the last name (surname) is typically first, followed by a comma and then other names.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> PDS_Guest	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Name	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	No Values		

## specified\_unit\_id in DD\_Value\_Domain

<b>Name: specified_unit_id</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The specified_unit_id attribute provides the unit chosen for maximum_value, minimum_value, and permissible_value.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> DD_Value_Domain	<i>Type:</i> UTF8_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> ID	<i>Conceptual Domain:</i> Short_String

<b>Name: specified_unit_id</b>		<b>Version Id: 1.0.0.0</b>
Status: Active	Nillable: false	Pattern: None
Permissible Value(s)	No Values	

## specified\_unit\_id in DD\_Value\_Domain\_Full

<b>Name: specified_unit_id</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The specified_unit_id attribute provides the unit chosen for maximum_value, minimum_value, and permissible_value.			
Namespace Id: pds	Steward: ops	Class Name: DD_Value_Domain_Full	Type: UTF8_Short_String_Collapsed
Minimum Value: None	Maximum Value: None	Minimum Characters: 1	Maximum Characters: 255
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: ID	Conceptual Domain: Short_String
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

## specified\_unit\_id in Unit\_Of\_Measure

<b>Name: specified_unit_id</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The specified_unit_id attribute provides the unit chosen for maximum_value, minimum_value, and permissible_value.			
Namespace Id: pds	Steward: pds	Class Name: Unit_Of_Measure	Type: UTF8_Short_String_Collapsed
Minimum Value: None	Maximum Value: None	Minimum Characters: 1	Maximum Characters: 255
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: ID	Conceptual Domain: Short_String
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

## specified\_unit\_id in Units\_of\_Acceleration

<b>Name: specified_unit_id</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The specified_unit_id attribute provides the unit chosen for maximum_value, minimum_value, and permissible_value.			
Namespace Id: pds	Steward: pds	Class Name: Units_of_Acceleration	Type: UTF8_Short_String_Collapsed
Minimum Value: None	Maximum Value: None	Minimum Characters: 1	Maximum Characters: 255
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: ID	Conceptual Domain: Short_String
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	Value	Value Meaning	



<b>Name: specified_unit_id</b>		<b>Version Id: 1.0.0.0</b>
	m/s**2	Units_of_Acceleration maximum, minimum, and permissible values are given in units of meter per second per second.

## specified\_unit\_id in Units\_of\_Amount\_Of\_Substance

<b>Name: specified_unit_id</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The specified_unit_id attribute provides the unit chosen for maximum_value, minimum_value, and permissible_value.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Units_of_Amount_Of_Substance	<i>Type:</i> UTF8_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> ID	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	mol	Units_of_Amount_Of_Substance maximum, minimum, and permissible values are given in the unit mole	

## specified\_unit\_id in Units\_of\_Angle

<b>Name: specified_unit_id</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The specified_unit_id attribute provides the unit chosen for maximum_value, minimum_value, and permissible_value.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Units_of_Angle	<i>Type:</i> UTF8_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> ID	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	deg	Units_of_Angle maximum, minimum, and permissible values are given in the unit degree	

## specified\_unit\_id in Units\_of\_Angular\_Velocity

<b>Name: specified_unit_id</b>		<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The specified_unit_id attribute provides the unit chosen for maximum_value, minimum_value, and permissible_value.		

Attributes in the common  
(pds) namespace.

<b>Name: specified_unit_id</b>			<b>Version Id: 1.0.0.0</b>
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Units_of_Angular_Velocity	<i>Type:</i> UTF8_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> ID	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	deg/s	Units_of_Angular_Velocity maximum, minimum, and permissible values are given in the unit degree per second	

## specified\_unit\_id in Units\_of\_Area

<b>Name: specified_unit_id</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The specified_unit_id attribute provides the unit chosen for maximum_value, minimum_value, and permissible_value.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Units_of_Area	<i>Type:</i> UTF8_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> ID	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	m**2	Units_of_Area maximum, minimum, and permissible values are given in the unit square meter	

## specified\_unit\_id in Units\_of\_Current

<b>Name: specified_unit_id</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The specified_unit_id attribute provides the unit chosen for maximum_value, minimum_value, and permissible_value.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Units_of_Current	<i>Type:</i> UTF8_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> None
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	A	Units_of_Current maximum, minimum, and permissible values are given in the unit A	

## specified\_unit\_id in Units\_of\_Frame\_Rate

<b>Name: specified_unit_id</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The specified_unit_id attribute provides the unit chosen for maximum_value, minimum_value, and permissible_value.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Units_of_Frame_Rate	<i>Type:</i> UTF8_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> ID	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	frames/s	Units_of_Frame_Rate maximum, minimum, and permissible values are given in the unit frame per second	

## specified\_unit\_id in Units\_of\_Frequency

<b>Name: specified_unit_id</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The specified_unit_id attribute provides the unit chosen for maximum_value, minimum_value, and permissible_value.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Units_of_Frequency	<i>Type:</i> UTF8_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> ID	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	Hz	Units_of_Frequency maximum, minimum, and permissible values are given in the unit hertz (cycle per second)	

## specified\_unit\_id in Units\_of\_Length

<b>Name: specified_unit_id</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The specified_unit_id attribute provides the unit chosen for maximum_value, minimum_value, and permissible_value.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Units_of_Length	<i>Type:</i> UTF8_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> ID	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	

<b>Name: specified_unit_id</b>		<b>Version Id: 1.0.0.0</b>
	m	Units_of_Length maximum, minimum, and permissible values are given in the unit meter

## specified\_unit\_id in Units\_of\_Map\_Scale

<b>Name: specified_unit_id</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The specified_unit_id attribute provides the unit chosen for maximum_value, minimum_value, and permissible_value.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Units_of_Map_Scale	<i>Type:</i> UTF8_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> ID	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	pixel/deg	Units_of_Map_Scale maximum, minimum, and permissible values are given in the unit pixel per degree.	

## specified\_unit\_id in Units\_of\_Mass

<b>Name: specified_unit_id</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The specified_unit_id attribute provides the unit chosen for maximum_value, minimum_value, and permissible_value.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Units_of_Mass	<i>Type:</i> UTF8_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> ID	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	kg	Units_of_Mass maximum, minimum, and permissible values are given in the unit kilogram.	

## specified\_unit\_id in Units\_of\_Misc

<b>Name: specified_unit_id</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The specified_unit_id attribute provides the unit chosen for maximum_value, minimum_value, and permissible_value.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Units_of_Misc	<i>Type:</i> UTF8_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255

<b>Name: specified_unit_id</b>			<b>Version Id: 1.0.0.0</b>
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> ID	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	DN	Units_of_Misc maximum, minimum, and permissible values are given in the unit data number.	

## specified\_unit\_id in Units\_of\_None

<b>Name: specified_unit_id</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The specified_unit_id attribute provides the unit chosen for maximum_value, minimum_value, and permissible_value.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Units_of_None	<i>Type:</i> UTF8_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> ID	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	none	Units_of_None maximum, minimum, and permissible values are dimensionless.	

## specified\_unit\_id in Units\_of\_Optical\_Path\_Length

<b>Name: specified_unit_id</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The specified_unit_id attribute provides the unit chosen for maximum_value, minimum_value, and permissible_value.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Units_of_Optical_Path_Length	<i>Type:</i> UTF8_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> ID	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	airmass	Units_of_Optical_Path_Length maximum, minimum, and permissible values are given in the unit airmass	

## specified\_unit\_id in Units\_of\_Pressure

<b>Name: specified_unit_id</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The specified_unit_id attribute provides the unit chosen for maximum_value, minimum_value, and permissible_value.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Units_of_Pressure	<i>Type:</i> UTF8_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> ID	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	bar	Units_of_Pressure maximum, minimum, and permissible values are given in the unit bar (one bar = 100,000 Pa)	

## specified\_unit\_id in Units\_of\_Radiance

<b>Name: specified_unit_id</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The specified_unit_id attribute provides the unit chosen for maximum_value, minimum_value, and permissible_value.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Units_of_Radiance	<i>Type:</i> UTF8_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> ID	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	W/(m**2*sr)	Units_of_Radiance maximum, minimum, and permissible values are given in the unit watt per square meter per steradian	

## specified\_unit\_id in Units\_of\_Rates

<b>Name: specified_unit_id</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The specified_unit_id attribute provides the unit chosen for maximum_value, minimum_value, and permissible_value.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Units_of_Rates	<i>Type:</i> UTF8_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> ID	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	

<b>Name: specified_unit_id</b>		<b>Version Id: 1.0.0.0</b>
	counts/bin	Units_of_Rates maximum, minimum, and permissible values are given in the unit counts/bin

## specified\_unit\_id in Units\_of\_Solid\_Angle

<b>Name: specified_unit_id</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The specified_unit_id attribute provides the unit chosen for maximum_value, minimum_value, and permissible_value.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Units_of_Solid_Angle	<i>Type:</i> UTF8_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> ID	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	sr	Units_of_Solid_Angle maximum, minimum, and permissible values are given in the unit steradian.	

## specified\_unit\_id in Units\_of\_Spectral\_Irradiance

<b>Name: specified_unit_id</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The specified_unit_id attribute provides the unit chosen for maximum_value, minimum_value, and permissible_value.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Units_of_Spectral_Irradiance	<i>Type:</i> UTF8_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> None
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	W/m**3	Units_of_Spectral_Irradiance maximum, minimum, and permissible values are given in the unit watts per square meter (of area) per meter (of wavelength)	

## specified\_unit\_id in Units\_of\_Spectral\_Radiance

<b>Name: specified_unit_id</b>		<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The specified_unit_id attribute provides the unit chosen for maximum_value, minimum_value, and permissible_value.		

Attributes in the common  
(pds) namespace.

<b>Name: specified_unit_id</b>			<b>Version Id: 1.0.0.0</b>
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Units_of_Spectral_Radiance	<i>Type:</i> UTF8_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> None
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	W/m**3/sr	Units_of_Spectral_Radiance maximum, minimum, and permissible values are given in the unit watts per square meter (of area) per steradian per meter (of wavelength)	

## specified\_unit\_id in Units\_of\_Storage

<b>Name: specified_unit_id</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The specified_unit_id attribute provides the unit chosen for maximum_value, minimum_value, and permissible_value.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Units_of_Storage	<i>Type:</i> UTF8_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> ID	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	byte	Units_of_Storage maximum, minimum, and permissible values are given in the unit byte	

## specified\_unit\_id in Units\_of\_Temperature

<b>Name: specified_unit_id</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The specified_unit_id attribute provides the unit chosen for maximum_value, minimum_value, and permissible_value.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Units_of_Temperature	<i>Type:</i> UTF8_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> ID	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	degC	Units_of_Temperature maximum, minimum, and permissible values are given in the unit degree Celsius	



## specified\_unit\_id in Units\_of\_Time

<b>Name: specified_unit_id</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The specified_unit_id attribute provides the unit chosen for maximum_value, minimum_value, and permissible_value.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Units_of_Time	<i>Type:</i> UTF8_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> ID	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	s	Units_of_Time maximum, minimum, and permissible values are given in the unit second	

## specified\_unit\_id in Units\_of\_Velocity

<b>Name: specified_unit_id</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The specified_unit_id attribute provides the unit chosen for maximum_value, minimum_value, and permissible_value.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Units_of_Velocity	<i>Type:</i> UTF8_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> ID	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	m/s	Units_of_Velocity maximum, minimum, and permissible values are given in the unit meter per second	

## specified\_unit\_id in Units\_of\_Voltage

<b>Name: specified_unit_id</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The specified_unit_id attribute provides the unit chosen for maximum_value, minimum_value, and permissible_value.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Units_of_Voltage	<i>Type:</i> UTF8_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> ID	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	

<b>Name: specified_unit_id</b>		<b>Version Id: 1.0.0.0</b>	
	V	Units_of_Voltage maximum, minimum, and permissible values are given in the unit volt	

## specified\_unit\_id in Units\_of\_Volume

<b>Name: specified_unit_id</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The specified_unit_id attribute provides the unit chosen for maximum_value, minimum_value, and permissible_value.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Units_of_Volume	<i>Type:</i> UTF8_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> ID	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	L	Units_of_Volume maximum, minimum, and permissible values are given in the unit liter	

## specified\_unit\_id in Units\_of\_Wavenumber

<b>Name: specified_unit_id</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The specified_unit_id attribute provides the unit chosen for maximum_value, minimum_value, and permissible_value.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Units_of_Wavenumber	<i>Type:</i> UTF8_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> None
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	1/cm	Units_of_Wavenumber maximum, minimum, and permissible values are given in the unit "per centimeter"	

## standard\_deviation in Band\_Bin \*Deprecated\*

<b>Name: standard_deviation</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The standard_deviation attribute provides the standard deviation of values in the associated object; empty and Special_Constants values are excluded.			
<i>Namespace Id:</i> pds	<i>Steward:</i> img	<i>Class Name:</i> Band_Bin *Deprecated*	<i>Type:</i> ASCII_Real
<i>Minimum Value:</i> 0	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Number	<i>Conceptual Domain:</i> Real

<b>Name: standard_deviation</b>		<b>Version Id: 1.0.0.0</b>
Status: Active	Nillable: false	Pattern: None
Permissible Value(s)	No Values	

## standard\_deviation in Field\_Statistics

<b>Name: standard_deviation</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The standard_deviation attribute provides the standard deviation of the stored field over all records (empty fields and Special_Constants values are excluded from the computation).			
Namespace Id: pds	Steward: pds	Class Name: Field_Statistics	Type: ASCII_Real
Minimum Value: 0	Maximum Value: None	Minimum Characters: None	Maximum Characters: None
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: Number	Conceptual Domain: Real
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

## standard\_deviation in Object\_Statistics

<b>Name: standard_deviation</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The standard_deviation attribute provides the standard deviation of the stored array element values after application of any bit mask (Special_Constants values are excluded from the computation).			
Namespace Id: pds	Steward: pds	Class Name: Object_Statistics	Type: ASCII_Real
Minimum Value: 0	Maximum Value: None	Minimum Characters: None	Maximum Characters: None
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: Number	Conceptual Domain: Real
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

## start\_bit in Field\_Bit

<b>Name: start_bit</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The start_bit attribute provides the position of the first bit within an ordered sequence of bits.			
Namespace Id: pds	Steward: pds	Class Name: Field_Bit	Type: ASCII_Integer
Minimum Value: 1	Maximum Value: None	Minimum Characters: None	Maximum Characters: None
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: Bit	Conceptual Domain: Integer
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

## start\_date in Investigation

<b>Name: start_date</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The start_date attribute provides the date when an activity began.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Investigation	<i>Type:</i> ASCII_Date_YMD
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Time	<i>Conceptual Domain:</i> Time
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## start\_date\_time in Data\_Set\_PDS3 \*Deprecated\*

<b>Name: start_date_time *Deprecated*</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The start_date_time attribute provides the date and time at the beginning of the data set.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> Data_Set_PDS3	<i>Type:</i> ASCII_Date_Time_YMD_UTC
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Time	<i>Conceptual Domain:</i> Time
<i>Status:</i> Deprecated	<i>Nillable:</i> true	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## start\_date\_time in Time\_Coordinates

<b>Name: start_date_time</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The start_date_time attribute provides the date and time appropriate to the beginning of the product being labeled.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Time_Coordinates	<i>Type:</i> ASCII_Date_Time_YMD_UTC
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Time	<i>Conceptual Domain:</i> Time
<i>Status:</i> Active	<i>Nillable:</i> true	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## start\_time in Data\_Set\_PDS3

<b>Name: start_time</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The start_time attribute provides the date and time of the beginning of an event or observation (whether it be a spacecraft, ground-based, or system event) in UTC.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> Data_Set_PDS3	<i>Type:</i> ASCII_Date_Time
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> Time
<i>Status:</i> Active	<i>Nillable:</i> true	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## starting\_point\_identifier in Document\_Edition

<b>Name: starting_point_identifier</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The starting_point attribute provides the local_identifier of the object to be accessed first.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Document_Edition	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> None
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## steward\_id in DD\_Attribute\_Full

<b>Name: steward_id</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The steward attribute indicates the person or organization that manages a set of registered attributes and classes.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> DD_Attribute_Full	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> ID	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	atm	Steward of the attribute is the PDS Atmospheres discipline node	
	geo	Steward of the attribute is the PDS Geosciences discipline node	
	img	Steward of the attribute is the PDS Imaging support node	

Attributes in the common  
(pds) namespace.

<b>Name: steward_id</b>		<b>Version Id: 1.0.0.0</b>
	naif	Steward of the attribute is the PDS Navigation and Ancillary Information Facility support node
	ops	Steward of the attribute is the PDS operations function
	pds	Steward of the attribute is the Planetary Data System
	ppi	Steward of the attribute is the PDS Planetary Plasma Interaction discipline node
	rings	Steward of the attribute is the PDS Rings discipline node
	rs	Steward of the attribute is the PDS radio science function
	sbn	Steward of the attribute is the PDS Small Bodies discipline node

## steward\_id in DD\_Class\_Full

<b>Name: steward_id</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The steward_id attribute provides the abbreviation of the organization that manages the set of registered attributes and classes.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> DD_Class_Full	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> ID	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	atm	Steward of the attribute is the PDS Atmospheres discipline node	
	geo	Steward of the attribute is the PDS Geosciences discipline node	
	img	Steward of the attribute is the PDS Imaging support node	
	naif	Steward of the attribute is the PDS Navigation and Ancillary Information Facility support node	
	ops	Steward of the attribute is the PDS operations function	
	pds	Steward of the attribute is the Planetary Data System	
	ppi	Steward of the attribute is the PDS Planetary Plasma Interaction discipline node	
	rings	Steward of the attribute is the PDS Rings discipline node	
	rs	Steward of the attribute is the PDS radio science function	

<b>Name: steward_id</b>		<b>Version Id: 1.0.0.0</b>
	sbn	Steward of the attribute is the PDS Small Bodies discipline node

## steward\_id in Ingest\_LDD

<b>Name: steward_id</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The steward_id attribute provides the abbreviation of the organization that manages the set of registered attributes and classes.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> Ingest_LDD	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> ID	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## stop\_bit in Field\_Bit

<b>Name: stop_bit</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The stop-bit attribute provides the location of the last bit in this bit field relative to the first bit in the packed_data field. Bits are numbered continuously across byte boundaries. The first bit location in the packed data field is "1".			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Field_Bit	<i>Type:</i> ASCII_Integer
<i>Minimum Value:</i> 1	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Bit	<i>Conceptual Domain:</i> Integer
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## stop\_date in Investigation

<b>Name: stop_date</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The stop_date attribute provides the date when an activity ended.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Investigation	<i>Type:</i> ASCII_Date_YMD
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Time	<i>Conceptual Domain:</i> Time
<i>Status:</i> Active	<i>Nillable:</i> true	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## stop\_date\_time in Data\_Set\_PDS3

### \*Deprecated\*

<b>Name: stop_date_time *Deprecated*</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The stop_date_time attribute provides the date and time at the end of the data set.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> Data_Set_PDS3	<i>Type:</i> ASCII_Date_Time_YMD_UTC
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Time	<i>Conceptual Domain:</i> Time
<i>Status:</i> Deprecated	<i>Nillable:</i> true	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## stop\_date\_time in Time\_Coordinates

<b>Name: stop_date_time</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The stop_date_time attribute provides the date and time appropriate to the end of the product being labeled.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Time_Coordinates	<i>Type:</i> ASCII_Date_Time_YMD_UTC
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Time	<i>Conceptual Domain:</i> Time
<i>Status:</i> Active	<i>Nillable:</i> true	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## stop\_time in Data\_Set\_PDS3

<b>Name: stop_time</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The stop_time element provides the date and time of the end of an observation or event (whether it be a spacecraft, ground-based, or system event) in UTC.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> Data_Set_PDS3	<i>Type:</i> ASCII_Date_Time
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> Time
<i>Status:</i> Active	<i>Nillable:</i> true	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		



## subfacet1 in Group\_Facet1

<b>Name: subfacet1</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The subfacet1 attribute provides a sub-categorization under the facet1 value. The allowed values are restricted according to the value of facet1.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Group_Facet1	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> None
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## subfacet2 in Group\_Facet2

<b>Name: subfacet2</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The subfacet2 attribute provides a sub-categorization under the facet2 value. The allowed values are restricted according to the value of facet2.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Group_Facet2	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> None
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## submitter\_name in DD\_Attribute

<b>Name: submitter_name</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The submitter_name attribute provides the name of the author, who submits the item to the steward.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> DD_Attribute	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Name	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## submitter\_name in DD\_Attribute\_Full

<b>Name: submitter_name</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The submitter_name attribute provides the name of the author, who submits the item to the steward.			

<b>Name: submitter_name</b>			<b>Version Id: 1.0.0.0</b>
Namespace Id: pds	Steward: ops	Class Name: DD_Attribute_Full	Type: ASCII_Short_String_Collapsed
Minimum Value: None	Maximum Value: None	Minimum Characters: 1	Maximum Characters: 255
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: Name	Conceptual Domain: Short_String
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

## submitter\_name in DD\_Class

<b>Name: submitter_name</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The submitter_name attribute provides the name of the author, who submits the item to the steward.			
Namespace Id: pds	Steward: ops	Class Name: DD_Class	Type: ASCII_Short_String_Collapsed
Minimum Value: None	Maximum Value: None	Minimum Characters: 1	Maximum Characters: 255
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: Name	Conceptual Domain: Short_String
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

## submitter\_name in DD\_Class\_Full

<b>Name: submitter_name</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The submitter_name attribute provides the name of the author, who submits the item to the steward.			
Namespace Id: pds	Steward: ops	Class Name: DD_Class_Full	Type: ASCII_Short_String_Collapsed
Minimum Value: None	Maximum Value: None	Minimum Characters: 1	Maximum Characters: 255
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: Name	Conceptual Domain: Short_String
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

## subscription\_id in Subscriber\_PDS3

<b>Name: subscription_id</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The subscriber_id provides the identification of a PDS subscription.			
Namespace Id: pds	Steward: ops	Class Name: Subscriber_PDS3	Type: ASCII_Short_String_Collapsed
Minimum Value: None	Maximum Value: None	Minimum Characters: 1	Maximum Characters: 255

<b>Name: subscription_id</b>			<b>Version Id: 1.0.0.0</b>
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> ID	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	No Values		

## supported\_architecture\_note in Software\_Binary

<b>Name: supported_architecture_note</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The supported architecture note attribute identifies the hardware architecture that can process the software.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> Software_Binary	<i>Type:</i> ASCII_Text_Preserved
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Note	<i>Conceptual Domain:</i> Text
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	No Values		

## supported\_architecture\_note in Software\_Source

<b>Name: supported_architecture_note</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The supported architecture note attribute identifies the hardware architecture that can process the software.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> Software_Source	<i>Type:</i> ASCII_Text_Preserved
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Note	<i>Conceptual Domain:</i> Text
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	No Values		

## supported\_environment\_note in Software\_Script

<b>Name: supported_environment_note</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The supported environment note attribute identifies the environment that can process the software.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> Software_Script	<i>Type:</i> ASCII_Text_Preserved

<b>Name: supported_environment_note</b>			<b>Version Id: 1.0.0.0</b>
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Note	<i>Conceptual Domain:</i> Text
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	No Values		

## supported\_operating\_system\_note in Service

<b>Name: supported_operating_system_note</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The supported operating system note attribute identifies the Operating System that supports the software.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> Service	<i>Type:</i> ASCII_Text_Preserved
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> Text
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	No Values		

## supported\_operating\_system\_note in Software\_Binary

<b>Name: supported_operating_system_note</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The supported operating system note attribute identifies the Operating System that supports the software.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> Software_Binary	<i>Type:</i> ASCII_Text_Preserved
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Note	<i>Conceptual Domain:</i> Text
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	No Values		

## supported\_operating\_system\_note in Software\_Source

<b>Name: supported_operating_system_note</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The supported operating system note attribute identifies the Operating System that supports the software.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> Software_Source	<i>Type:</i> ASCII_Text_Preserved

<b>Name: supported_operating_system_note</b>			<b>Version Id: 1.0.0.0</b>
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Note	<i>Conceptual Domain:</i> Text
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	No Values		

## system\_requirements\_note in Service

<b>Name: system_requirements_note</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The system requirements note attribute identifies what is necessary to process the software.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> Service	<i>Type:</i> ASCII_Text_Preserved
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> Text
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	No Values		

## system\_requirements\_note in Software\_Binary

<b>Name: system_requirements_note</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The system requirements note attribute identifies what is necessary to process the software.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> Software_Binary	<i>Type:</i> ASCII_Text_Preserved
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Note	<i>Conceptual Domain:</i> Text
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	No Values		

## system\_requirements\_note in Software\_Script

<b>Name: system_requirements_note</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The system requirements note attribute identifies what is necessary to process the software.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> Software_Script	<i>Type:</i> ASCII_Text_Preserved

<b>Name: system_requirements_note</b>			<b>Version Id: 1.0.0.0</b>
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Note	<i>Conceptual Domain:</i> Text
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## system\_requirements\_note in Software\_ Source

<b>Name: system_requirements_note</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The system requirements note attribute identifies what is necessary to process the software.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> Software_ Source	<i>Type:</i> ASCII_Text_ Preserved
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Note	<i>Conceptual Domain:</i> Text
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## target\_desc in Target\_PDS3

<b>Name: target_desc</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The target_desc attribute describes the characteristics of a particular target.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> Target_ PDS3	<i>Type:</i> ASCII_Text_ Preserved
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Description	<i>Conceptual Domain:</i> Text
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## target\_name in Target\_PDS3

<b>Name: target_name</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The target_name attribute provides a name by which the target is formally known.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> Target_ PDS3	<i>Type:</i> ASCII_Short_ String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Name	<i>Conceptual Domain:</i> Short_String

<b>Name: target_name</b>		<b>Version Id: 1.0.0.0</b>
Status: Active	Nillable: false	Pattern: None
Permissible Value(s)	No Values	

## target\_type in Target\_PDS3

<b>Name: target_type</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The target_type attribute identifies the type of a named target.			
Namespace Id: pds	Steward: ops	Class Name: Target_PDS3	Type: ASCII_Short_String_Collapsed
Minimum Value: None	Maximum Value: None	Minimum Characters: 1	Maximum Characters: 255
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: Type	Conceptual Domain: Short_String
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

## team\_name in PDS\_Affiliate

<b>Name: team_name</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The team_name attribute provides the name of a group of individuals working together.			
Namespace Id: pds	Steward: ops	Class Name: PDS_Affiliate	Type: ASCII_Short_String_Collapsed
Minimum Value: None	Maximum Value: None	Minimum Characters: 1	Maximum Characters: 255
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: Name	Conceptual Domain: Short_String
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	Value	Value Meaning	
	Engineering	Team name is Engineering	
	Geosciences	Team name is Geosciences	
	Headquarters	Team name is Headquarters	
	Imaging	Team name is Imaging	
	Management	Team name is Management	
	National Space Science Data Center	Team name is National Space Science Data Center (until 2014) or National Sapce Science Data Coordinated Archive	
	Navigation and Ancillary Information Facility	Team name is Navigation and Ancillary Information Facility	
	Planetary Atmospheres	Team name is Planetary Atmospheres	
	Planetary Plasma Interactions	Team name is Planetary Plasma Interactions	
	Planetary Rings	Team name is Planetary Rings	
	Radio Science	Team name is Radio Science	

<b>Name: team_name</b>		<b>Version Id: 1.0.0.0</b>
	Small Bodies	Team name is Small Bodies

## telephone\_number in PDS\_Affiliate

<b>Name: telephone_number</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The telephone_number attribute provides a telephone number in international notation in compliance with the E.164 telephone number format recommendation.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> PDS_Affiliate	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Number	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## telescope\_altitude in Telescope

<b>Name: telescope_altitude</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The telescope_altitude attribute provides the height of the telescope above a plane tangent to the reference figure (or datum) at the telescope location.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Telescope	<i>Type:</i> ASCII_Real
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> Units_of_Length	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> Real
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## telescope\_latitude in Telescope

<b>Name: telescope_latitude</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The telescope_latitude attribute provides the angular distance of the telescope north (positive) from the equator, measured on the meridian of the telescope.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Telescope	<i>Type:</i> ASCII_Real
<i>Minimum Value:</i> -90	<i>Maximum Value:</i> 90	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> Units_of_Angle	<i>Default Unit Id:</i> deg	<i>Attribute Concept:</i> Latitude	<i>Conceptual Domain:</i> Real
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		



## telescope\_longitude in Telescope

<b>Name: telescope_longitude</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The telescope_longitude attribute provides the angular distance of the telescope east (positive), measured by the angle contained between the meridian of the telescope and the reference figure (or datum) prime meridian.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Telescope	<i>Type:</i> ASCII_Real
<i>Minimum Value:</i> 0	<i>Maximum Value:</i> 360	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> Units_of_Angle	<i>Default Unit Id:</i> deg	<i>Attribute Concept:</i> Longitude	<i>Conceptual Domain:</i> Real
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## title in Identification\_Area

<b>Name: title</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The name given to the resource. Typically, a Title will be a name by which the resource is formally known. - Dublin Core - The title is used to refer to an object in a version independent manner.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Identification_Area	<i>Type:</i> UTF8_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Title	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## title in Property\_Map

<b>Name: title</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The title attribute provides a short, descriptive text string suitable use as a title or brief description in display or listing of products.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> Property_Map	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> None
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## title in Property\_Maps

<b>Name: title</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The title attribute provides a short, descriptive text string suitable use as a title or brief description in display or listing of products.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> Property_Maps	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> None
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## transfer\_manifest\_checksum in Information\_Package\_Component

<b>Name: transfer_manifest_checksum</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The transfer manifest checksum provides the checksum for the transfer manifest file.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> Information_Package_Component	<i>Type:</i> ASCII_MD5_Checksum
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 32	<i>Maximum Characters:</i> 32
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Checksum	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> [0-9a-fA-F]{32}	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## type in DD\_Attribute\_Full

<b>Name: type</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The type attribute classifies the attribute definition according to origin.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> DD_Attribute_Full	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Type	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	PDS3	The attribute definition originated under PDS3	
	PDS4	The attribute definition originated under PDS4	

## type in DD\_Class\_Full

<b>Name: type</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The type attribute classifies the attribute definition according to origin.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> DD_Class_Full	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Type	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	PDS3	The class definition originated under PDS3	
	PDS4	The class definition originated under PDS4	

## type in Facility

<b>Name: type</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The type attribute classifies the facility according to its function.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Facility	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Type	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	Laboratory	The facility is a laboratory	
	Observatory	The facility is an observatory	

## type in Instrument

<b>Name: type</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The type attribute classifies the instrument according to its function.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Instrument	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Type	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	Accelerometer	An instrument that measures proper (i.e., its own) acceleration.	
	Alpha Particle Detector	An instrument that measures the number and/or distribution of alpha particles.	

Attributes in the common  
(pds) namespace.

<i>Name: type</i>		<i>Version Id: 1.0.0.0</i>
	Alpha Particle X-Ray Spectrometer	An instrument that bombards a sample with alpha particles and X-rays and measures the energy spectrum of scattered alpha particles and X-rays to determine the sample's elemental composition.
	Altimeter	An instrument that measures its own altitude above a reference level (for example, a locally flat surface on the Earth)
	Anemometer	An in situ instrument that measures wind speed.
	Atomic Force Microscope	An instrument that uses atomic forces between a probe and a sample to produce high-resolution topographic scans of the sample.
	Barometer	An in situ instrument that measures atmospheric pressure.
	Biology Experiments	An instrument that conducts one or more experiments on samples to determine their potential for biological activity.
	Bolometer	An instrument that estimates radiation intensity by measuring changes in electrical resistivity as the temperature of its sensor varies in response to the incident power density.
	Camera	An instrument that records and stores analog images (compare 'imager').
	Cosmic Ray Detector	An instrument that detects and/or measures cosmic rays.
	Drilling Tool	A tool that drills into samples.
	Dust Detector	An instrument that detects and/or measures dust.
	Electrical Probe	An in situ instrument that measures electrical properties (e.g., conductivity) of a medium into which it is inserted.
	Energetic Particle Detector	An instrument that detects and/or measures energetic charged particles.
	Gamma Ray Detector	An instrument that detects and/or measures gamma rays.
	Gas Analyzer	A high-temperature furnace combined with a mass spectrometer that heats a sample and analyzes the mass distribution of the evolved gases.
	Grinding Tool	A tool that grinds into samples.
	Hygrometer	An instrument used to measure the moisture content of its environment.
	Imager	An instrument that records and stores digital images (compare 'camera').
	Imaging Spectrometer	An instrument that combines the functions of a spectrometer and an imager - i.e., it captures and stores multiple images, each at a slightly different wavelength.
	Inertial Measurement Unit	An instrument that measures changes in its own velocity and orientation by using a combination

Attributes in the common  
(pds) namespace.

<i>Name: type</i>		<i>Version Id: 1.0.0.0</i>
		of accelerometers, gyroscopes, and/or other devices.
	Infrared Spectrometer	An instrument that measures the spectral distribution of infrared radiation.
	Laser Induced Breakdown Spectrometer	An instrument that uses an active laser to generate a plasma from a target and then measures the energy spectrum of the evolved plasma.
	Magnetometer	An instrument that measures the strength and/or direction of a magnetic field.
	Mass Spectrometer	An instrument that measures the number of particles in a sample as a function of their mass.
	Microwave Spectrometer	An instrument that measures the spectral distribution of microwave radiation.
	Moessbauer Spectrometer	An instrument that uses the Mossbauer effect to determine the abundance of Fe-bearing minerals in a sample.
	Naked Eye	Observations made with the naked eye and recorded in a data product.
	Neutral Particle Detector	An instrument that detects and/or measures neutral particles.
	Neutron Detector	An instrument that measures the number and/or energy distribution of neutrons.
	Photometer	An instrument that measures radiation intensity (e.g., of visible light), sometimes with the goal of inferring optical properties of materials illuminated by the source and observed by the photometer.
	Plasma Analyzer	An instrument that measures the spectral distribution of energy in a low-frequency plasma.
	Plasma Detector	An instrument that detects and/or measures low energy charged particles.
	Plasma Wave Spectrometer	An instrument that measures the energy distribution in a low-frequency plasma.
	Polarimeter	An instrument that measures the polarization of electromagnetic radiation.
	Radar	An instrument that transmits and receives radio signals for the purpose of detecting, determining the range (distance) to, velocity of, and/or direction of one or more distant targets.
	Radio Science	An instrument suite used to conduct measurements at radio frequencies.
	Radio Spectrometer	An instrument that measures the spectral distribution of electromagnetic radiation at radio frequencies.
	Radio Telescope	An instrument used to focus and capture radio waves.

<i>Name: type</i>		<i>Version Id: 1.0.0.0</i>
	Radiometer	An instrument which measures the radiant flux of electromagnetic radiation.
	Reflectometer	An instrument that measures the reflectance of surfaces. An electron reflectometer measures the properties of electrons trapped along magnetic field lines to infer the strength and direction of the field remotely.
	Robotic Arm	A tool used to place in-situ instruments on surface rocks or soil, dig into a surface, and/or to collect surface samples for other instruments to analyze on a spacecraft.
	Spectrograph Imager	See Imaging Spectrometer.
	Spectrometer	An instrument used to measure properties over a specific portion of a spectrum - for example, a mass spectrometer measures the number of particles in discrete mass ranges, and a radio spectrometer measures the amount of electromagnetic radiation as a function of frequency or wavelength.
	Thermal Imager	An instrument that captures an image at thermal infrared wavelengths.
	Thermal Probe	An in situ instrument that measures thermal properties (e.g., temperature) at one or more points along its length.
	Thermometer	An instrument that measures temperature.
	Ultraviolet Spectrometer	An instrument that measures the spectral distribution of ultraviolet radiation.
	Weather Station	An instrument that collects data for the scientific study of weather and weather-related phenomena such as (but not limited to) temperature, pressure, wind speed, wind direction, etc.
	Wet Chemistry Laboratory	An instrument that mixes soil samples with solutions to measure material properties such as pH, conductivity, oxidation-reduction potential, etc.
	X-ray Detector	An instrument that detects and/or measures X-rays.
	X-ray Diffraction Spectrometer	An instrument that uses a beam of X-rays to probe the internal structure of a powdered sample and identify its mineral composition.
	X-ray Fluorescence Spectrometer	An instrument that measures the emission of secondary X-rays to determine the elemental composition of a sample that has been irradiated with primary X-rays.

## type in Instrument\_Host

<i>Name: type</i>		<i>Version Id: 1.0.0.0</i>
<i>Description:</i> The type attribute classifies the instrument host. When more than one value is correct, the value with the finest granularity should be selected. That is, choose "rover" rather than		

Attributes in the common  
(pds) namespace.

<b>Name: type</b>			<b>Version Id: 1.0.0.0</b>
"spacecraft" when both would be correct since rover more narrowly defines the type of instrument host.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Instrument_Host	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Type	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	Earth Based - *Deprecated*	The Instrument Host is classified as being of type Earth Based	
	Earth-based	The instrument host is on or near the surface of Earth (no more than 100 km altitude above the surface).	
	Lander	A spacecraft designed for descent to and operation at a single fixed point on the surface of a celestial body.	
	Rover	A spacecraft designed for descent to and mobile operation on the surface of a celestial body.	
	Spacecraft	A vehicle designed for travel in outer space ('outer space' is the region more than 100 km above the Earth's surface, a convention accepted in many contexts -- see <a href="http://en.wikipedia.org/wiki/Outer_space">http://en.wikipedia.org/wiki/Outer_space</a> ).	

## type in Investigation

<b>Name: type</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The type attribute classifies the investigation according to its scope.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Investigation	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Type	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	Individual Investigation	A set of experiments and/or observations with a clearly defined purpose that uses existing facilities and is under the direction of a single individual. For example, a series of related laboratory experiments/observations conducted by a small university team and funded through a single proposal could be an Individual Investigation. Library research by one person on previously published results to distill common conclusions could also be an Individual Investigation.	

<b>Name: type</b>		<b>Version Id: 1.0.0.0</b>
	Mission	A set of experiments and/or observations with a clearly defined purpose that occupies the designated resources for all (or at least a significant fraction) of the available time. A mission is usually conducted by a national or international space agency using a small number (often one) of spacecraft especially designed and built for the purpose. For example: (1) the NASA Voyager mission launched two spacecraft to Jupiter and Saturn; (2) the Deep Impact (DI) mission launched a spacecraft, part of which impacted the comet Tempel 2; and (3) the EPOXI mission redefined the objectives of the surviving DI hardware for further exploration of the solar system.
	Observing Campaign	A set of experiments and/or observations with a clearly defined purpose that uses (primarily) existing facilities, but not exclusively. After (and possibly during) the campaign other investigations are carried out using the same facilities. For example, the International Halley Watch mobilized observatories around the world for collection of data during the most recent apparition of Comet Halley. The Shoemaker-Levy-9 (SL9) campaign used both Earth-based and spacecraft instruments to monitor the SL9 impact on Jupiter.
	Other Investigation	Any other set of experiments and/or observations with a unifying theme.

## type in Investigation\_Area

<b>Name: type</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The type attribute classifies Investigation_Area according to the scope of the investigation..			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Investigation_Area	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Type	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	Individual Investigation	A set of experiments and/or observations with a clearly defined purpose that uses existing facilities and is under the direction of a single individual. For example, a series of related laboratory experiments/observations conducted by a small university team and funded through a single proposal could be an Individual Investigation. Library research by one person on previously published results to distill	



<i>Name: type</i>		<i>Version Id: 1.0.0.0</i>
		common conclusions could also be an Individual Investigation.
	Mission	A set of experiments and/or observations with a clearly defined purpose that occupies the designated resources for all (or at least a significant fraction) of the available time. A mission is usually conducted by a national or international space agency using a small number (often one) of spacecraft especially designed and built for the purpose. For example: (1) the NASA Voyager mission launched two spacecraft to Jupiter and Saturn; (2) the Deep Impact (DI) mission launched a spacecraft, part of which impacted the comet Tempel 2; and (3) the EPOXI mission redefined the objectives of the surviving DI hardware for further exploration of the solar system.
	Observing Campaign	A set of experiments and/or observations with a clearly defined purpose that uses (primarily) existing facilities, but not exclusively. After (and possibly during) the campaign other investigations are carried out using the same facilities. For example, the International Halley Watch mobilized observatories around the world for collection of data during the most recent apparition of Comet Halley. The Shoemaker-Levy-9 (SL9) campaign used both Earth-based and spacecraft instruments to monitor the SL9 impact on Jupiter.
	Other Investigation	Any other set of experiments and/or observations with a unifying theme.

## type in Observing\_System\_Component

<i>Name: type</i>		<i>Version Id: 1.0.0.0</i>	
<i>Description:</i> The type attribute classifies the observing system component according to its function.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Observing_System_ Component	<i>Type:</i> ASCII_Short_ String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Type	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	Artificial Illumination	The observing system component provides artificial illumination	
	Facility	The observing system component is a facility.	
	Instrument	The observing system component is an instrument	

Attributes in the common  
(pds) namespace.

<i>Name: type</i>		<i>Version Id: 1.0.0.0</i>
	Laboratory	The observing system component is a laboratory
	Literature Search	The observing system component is a literature search
	Naked Eye	The observing system component is the unaided eye of a person
	Observatory	The observing system component is an observatory
	Spacecraft	The observing system component is a spacecraft
	Telescope	The observing system component is a telescope

## type in Primary\_Result\_Summary \*Deprecated\*

<i>Name: type *Deprecated*</i>			<i>Version Id: 1.0.0.0</i>
<i>Description:</i> The type attribute provides a classification for the resource.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Primary_Result_Summary	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Type	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Deprecated	<i>Nilable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	Altimetry	Measurement of altitude.	
	Astrometry	Precise measurement of positions of heavenly bodies.	
	Count	A recording of the number of discrete events	
	E/B-Field Vectors	Arrays populated by values of the electric/magnetic field in three orthogonal directions.	
	Gravity Model	An approximation to the gravity field of an object derived from measurement and/or theory	
	Image	A two-dimensional representation of a field of view	
	Lightcurves	This value indicates data products containing time-sequences of magnitude measurements for one or more individual targets (typically asteroids or comets).	
	Map	A two-dimensional representation of the plan view of a surface	
	Meteorology	Measurements of the meteorological conditions of an atmosphere such as pressure, temperature, wind speed, etc.	
	Null Result	Measurements which failed.	
	Occultation	Measurements conducted when one celestial body progressively hides another	

<i>Name: type *Deprecated*</i>		<i>Version Id: 1.0.0.0</i>
	Photometry	Measurement of light flux
	Physical Parameters	This value indicates data products containing compilations of one or more physical parameters - like albedo, density, absolute magnitude, etc. It is generally used for data that combines these highly-derived results from multiple sources.
	Polarimetry	Measurement of the polarization state of radiation.
	Radiometry	Measurement of the radiation coming from a body, usually at infrared and longer wavelengths
	Reference	A Reference product provides ancillary information needed to support the use of another data product. Reference products include things like tables of foot notes or lists of detailed citations, and are usually associated with data products compiled from the published literature.
	Shape Model	An approximation to the shape of an object derived from measurements and/or theory
	Spectrum	An array containing values of a dependent variable as a function of an independent variable.

## type in Quaternion

<i>Name: type</i>		<i>Version Id: 1.0.0.0</i>	
<i>Description:</i> The type attribute classifies the quaternion according to how its elements are stored and used.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Quaternion	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Type	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	SPICE	The quaternion has components zero through three, with the 0th component being the scalar, and the 1st, 2nd and 3rd being the vector components.	
	Spacecraft Telemetry	The quaternion has components one through four, with the 4th component being the scalar, and the 1st, 2nd and 3rd being the vector components.	

## type in Resource

<i>Name: type</i>	<i>Version Id: 1.0.0.0</i>
<i>Description:</i> The type attribute classifies the Resource according to its function.	

Attributes in the common  
(pds) namespace.

<b>Name: type</b>			<b>Version Id: 1.0.0.0</b>
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Resource	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Type	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	Information.Agency	The web resource provides information about an agency.	
	Information.Instrument	The web resource provides information about an instrument	
	Information.Instrument_Host	The web resource provides information about an instrument host	
	Information.Investigation	The web resource provides information about an investigation	
	Information.Node	The web resource provides information about a node	
	Information.Person	The web resource provides information about a person	
	Information.Resource	The web resource provides information about a generic resource	
	Information.Science_Portal	The web resource provides information about a science portal	
	Information.Target	The web resource provides information about a target	
	System.Browse	The system resource provides browse functionality.	
	System.Directory_Listing	The system resource provides a directory listing.	
	System.Registry_Query	The system resource provides registry query functionality.	
	System.Search	The system resource provides search functionality.	
	System.Transform	The system resource provides transform functionality.	
	System.Transport	The system resource provides transport functionality.	

## type in Target

<b>Name: type</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The type attribute classifies a target according to its size and properties.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Target	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255

Attributes in the common  
(pds) namespace.

<b>Name: type</b>			<b>Version Id: 1.0.0.0</b>
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Type	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	Asteroid	The target is classified as an asteroid	
	Calibration	The Target is classified as calibration	
	Comet	The target is classified as a comet	
	Dust	The target is classified as dust	
	Dwarf Planet	The target is classified as a dwarf planet	
	Equipment	Target is classified as a part of the host spacecraft or another (human) artifact	
	Galaxy	The target is classified as a galaxy	
	Globular Cluster	The target is classified as a globular cluster	
	Lunar Sample	The target is a sample collected on the Earth's Moon	
	Meteorite	The target is classified as a meteorite	
	Meteoroid	The target is classified as a meteoroid	
	Meteoroid Stream	The target is classified as a meteoroid stream	
	Nebula	The target is classified as a nebula	
	Open Cluster	The target is classified as an open cluster	
	Planet	The target is classified as a planet	
	Planetary Nebula	The target is classified as a planetary nebula	
	Planetary System	The target is classified as a planetary system	
	Plasma Cloud	The target is classified as a plasma cloud	
	Plasma Stream	Target is classified as a plasma stream.	
	Ring	The target is classified as a ring	
	Satellite	The target is classified as a satellite	
	Star	The target is classified as a star	
	Star Cluster	The target is classified as a star cluster	
	Sun	The target is classified as a sun	
	Synthetic Sample	The target is a sample created in a laboratory.	
	Terrestrial Sample	The target is classified as a terrestrial sample	
	Trans-Neptunian Object	The target is classified as a trans-Neptunian object	

## type in Target\_Identification

<b>Name: type</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The type attribute classifies a target according to its size and properties so that correct nomenclature can be applied.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Target_ Identification	<i>Type:</i> ASCII_Short_String_Collapsed

Attributes in the common  
(pds) namespace.

<b>Name: type</b>			<b>Version Id: 1.0.0.0</b>
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Type	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	Asteroid	The target is classified as an asteroid	
	Calibration	The Target is classified as calibration	
	Comet	The target is classified as a comet	
	Dust	The target is classified as dust	
	Dwarf Planet	The target is classified as a dwarf planet	
	Equipment	Target is classified as a part of the host spacecraft or another (human) artifact	
	Galaxy	The target is classified as a galaxy	
	Globular Cluster	The target is classified as a globular cluster	
	Lunar Sample	The target is a sample collected on the Earth's Moon	
	Meteorite	The target is classified as a meteorite	
	Meteoroid	The target is classified as a meteoroid	
	Meteoroid Stream	The target is classified as a meteoroid stream	
	Nebula	The target is classified as a nebula	
	Open Cluster	The target is classified as an open cluster	
	Planet	The target is classified as a planet	
	Planetary Nebula	The target is classified as a planetary nebula	
	Planetary System	The target is classified as a planetary system	
	Plasma Cloud	The target is classified as a plasma cloud	
	Plasma Stream	Target is classified as a plasma stream.	
	Ring	The target is classified as a ring	
	Satellite	The target is classified as a satellite	
	Star	The target is classified as a star	
	Star Cluster	The target is classified as a star cluster	
	Sun	The target is classified as a sun	
	Synthetic Sample	The target is a sample created in a laboratory	
	Terrestrial Sample	The target is classified as a terrestrial sample	
	Trans-Neptunian Object	The target is classified as a trans-Neptunian object	

## type in Unit\_Of\_Measure

<b>Name: type</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The type attribute provides a classification for the resource.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Unit_Of_Measure	<i>Type:</i> ASCII_Short_String_Collapsed

<b>Name: type</b>			<b>Version Id: 1.0.0.0</b>
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Type	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	No Values		

## type in Units\_of\_Acceleration

<b>Name: type</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The type attribute classifies the units of acceleration according to the quantity (acceleration) being measured.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Units_of_Acceleration	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Type	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	Acceleration	Units_of_Acceleration is classified as being of type Acceleration	

## type in Units\_of\_Amount\_Of\_Substance

<b>Name: type</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The type attribute classifies the units of amount of substance according to the quantity being measured (amount of substance).			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Units_of_Amount_Of_Substance	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Type	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	Amount_Of_Substance	Units_of_Amount_Of_Substance is classified as being of type Amount_Of_Substance	

## type in Units\_of\_Angle

<b>Name: type</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The type attribute classifies the units of angle according to the quantity being measured (angle).			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Units_of_Angle	<i>Type:</i> ASCII_Short_String_Collapsed

<b>Name: type</b>			<b>Version Id: 1.0.0.0</b>
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Type	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	Angle	Units_of_Angle is classified as being of type Angle	

## type in Units\_of\_Angular\_Velocity

<b>Name: type</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The type attribute classifies the units of angular velocity according to the quantity being measured (angular velocity).			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Units_of_Angular_Velocity	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Type	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	Angular_Velocity	Units_of_Angular_Velocity is classified as being of type Angular_Velocity	

## type in Units\_of\_Area

<b>Name: type</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The type attribute classifies the units of area according to the quantity being measured (area).			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Units_of_Area	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Type	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	Area	Units_of_Area is classified as being of type Area	

## type in Units\_of\_Current

<b>Name: type</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The type attribute classifies the units of current according to the quantity being measured (current).			



Attributes in the common  
(pds) namespace.

<b>Name: type</b>			<b>Version Id: 1.0.0.0</b>
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Units_of_Current	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> None
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	Current	Units_of_Current is classified as being of type Current	

## type in Units\_of\_Frame\_Rate

<b>Name: type</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The type attribute classifies the units of frame rate according to the quantity being measured (frame rate).			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Units_of_Frame_Rate	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Type	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	Frame_Rate	Units_of_Frame_Rate is classified as being of type Frame Rate	

## type in Units\_of\_Frequency

<b>Name: type</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The type attribute classifies the units of frequency according to the quantity being measured (frequency).			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Units_of_Frequency	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Type	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	Frequency	Units_of_Frequency is classified as being of type Frequency	

## type in Units\_of\_Length

<b>Name:</b> type			<b>Version Id:</b> 1.0.0.0
<i>Description:</i> The type attribute classifies the units of length according to the quantity being measured (length).			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Units_of_Length	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Type	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	Length	Units_of_Length is classified as being of type Length	

## type in Units\_of\_Map\_Scale

<b>Name:</b> type			<b>Version Id:</b> 1.0.0.0
<i>Description:</i> The type attribute provides a classification for the resource.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Units_of_Map_Scale	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Type	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	Scale	Units_of_Map_Scale is classified as being of type Scale	

## type in Units\_of\_Mass

<b>Name:</b> type			<b>Version Id:</b> 1.0.0.0
<i>Description:</i> The type attribute classifies units of mass according to the quantity being measured (mass).			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Units_of_Mass	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Type	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	Mass	Units_of_Mass is classified as being of type Mass	

## type in Units\_of\_Misc

<b>Name:</b> type			<b>Version Id:</b> 1.0.0.0
<i>Description:</i> The type attribute provides a classification for the resource.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Units_of_Misc	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Type	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	Miscellaneous	Units_of_Misc is classified as being of type Miscellaneous	

## type in Units\_of\_None

<b>Name:</b> type			<b>Version Id:</b> 1.0.0.0
<i>Description:</i> The type attribute provides a classification for the resource.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Units_of_None	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Type	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	None	Units_of_None is classified as being of type None	

## type in Units\_of\_Optical\_Path\_Length

<b>Name:</b> type			<b>Version Id:</b> 1.0.0.0
<i>Description:</i> The type attribute classifies units of optical path length according to the quantity being measured (optical path length).			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Units_of_Optical_Path_Length	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Type	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	Optical_Path_Length	Units_of_Optical_Path_Length is classified as being of type Optical_Path_Length	

## type in Units\_of\_Pressure

<b>Name:</b> type			<b>Version Id:</b> 1.0.0.0
<i>Description:</i> The type attribute classifies units of pressure according to the quantity being measured (pressure).			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Units_of_Pressure	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Type	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	Pressure	Units_of_Pressure is classified as being of type Pressure	

## type in Units\_of\_Radiance

<b>Name:</b> type			<b>Version Id:</b> 1.0.0.0
<i>Description:</i> The type attribute classifies units of radiance according to the quantity being measured (radiance).			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Units_of_Radiance	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Type	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	Radiance	Units_of_Radiance is classified as being of type Radiance	

## type in Units\_of\_Rates

<b>Name:</b> type			<b>Version Id:</b> 1.0.0.0
<i>Description:</i> The type attribute provides a classification for the resource.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Units_of_Rates	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Type	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	Rates	Units_of_Rates is classified as being of type Rates	

## type in Units\_of\_Solid\_Angle

<b>Name: type</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The type attribute classifies units of solid angle according to the quantity being measured (solid angle).			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Units_of_Solid_Angle	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Type	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	Solid_Angle	Units_of_Solid_Angle is classified as being of type Solid_Angle	

## type in Units\_of\_Spectral\_Irradiance

<b>Name: type</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The type attribute classifies units of spectral irradiance according to the quantity being measured (spectral irradiance).			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Units_of_Spectral_Irradiance	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> None
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	Spectral_Irradiance	Units_of_Spectral_Irradiance is classified as being of the type Spectral_Irradiance	

## type in Units\_of\_Spectral\_Radiance

<b>Name: type</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The type attribute classifies units of spectral radiance according to the quantity being measured (spectral radiance).			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Units_of_Spectral_Radiance	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> None
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	Spectral_Radiance	Units_of_Spectral_Radiance is classified as being of the type Spectral_Radiance	

## type in Units\_of\_Storage

<b>Name: type</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The type attribute classifies units of storage according to the quantity being measured (storage).			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Units_of_Storage	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Type	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	Storage	Units_of_Storage is classified as being of type Storage	

## type in Units\_of\_Temperature

<b>Name: type</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The type attribute classifies units of temperature according to the quantity being measured (temperature).			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Units_of_Temperature	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Type	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	Temperature	Units_of_Temperature is classified as being of type Temperature	

## type in Units\_of\_Time

<b>Name: type</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The type attribute classifies units of time according to the quantity being measured (time).			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Units_of_Time	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Type	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	Time	Units_of_Time is classified as being of type Time	

## type in Units\_of\_Velocity

<b>Name: type</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The type attribute classifies units of velocity according to the quantity being measured (velocity).			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Units_of_Velocity	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Type	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	Velocity	Units_of_Velocity is classified as being of type Velocity	

## type in Units\_of\_Voltage

<b>Name: type</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The type attribute classifies units of voltage according to the quantity being measured (voltage).			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Units_of_Voltage	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Type	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	Voltage	Units_of_Voltage is classified as being of type Voltage	

## type in Units\_of\_Volume

<b>Name: type</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The type attribute classifies units of volume according to the quantity being measured (volume).			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Units_of_Volume	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Type	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	Volume	Units_of_Volume is classified as being of the type Volume	

## type in Units\_of\_Wavenumber

<b>Name: type</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The type attribute classifies units of wavenumber according to the quantity being measured (wavenumber).			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Units_of_Wavenumber	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> None
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	Wavenumber	Units_of_Wavenumber is classified as being of the type Wavenumber	

## type in Vector

<b>Name: type</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The type attribute classifies Vector according to the meaning of its contents.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Vector	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Type	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	Acceleration	Vector contains the components of an acceleration	
	Pointing	Vector contains the components of a direction	
	Position	Vector contains the components of a position	
	Velocity	Vector contains the components of a velocity	

## unit in Axis\_Array \*Deprecated\*

<b>Name: unit *Deprecated*</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The unit attribute provides the unit of measurement.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Axis_Array	<i>Type:</i> UTF8_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> Text
<i>Status:</i> Deprecated	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		



## unit in Element\_Array

<b>Name: unit</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The unit attribute provides the unit of measurement.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Element_Array	<i>Type:</i> UTF8_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Unit	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## unit in Field\_Binary

<b>Name: unit</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The unit attribute provides the unit of measurement.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Field_Binary	<i>Type:</i> UTF8_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Unit	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## unit in Field\_Bit

<b>Name: unit</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The unit attribute provides the unit of measurement.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Field_Bit	<i>Type:</i> UTF8_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Unit	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## unit in Field\_Character

<b>Name: unit</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The unit attribute provides the unit of measurement.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Field_Character	<i>Type:</i> UTF8_Short_String_Collapsed

<b>Name: unit</b>			<b>Version Id: 1.0.0.0</b>
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Unit	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	No Values		

## unit in Field\_Delimited

<b>Name: unit</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The unit attribute provides the unit of measurement.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Field_ Delimited	<i>Type:</i> UTF8_Short_ String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Unit	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	No Values		

## unit in Vector\_Component

<b>Name: unit</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The unit attribute provides the unit of measurement.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Vector_ Component	<i>Type:</i> UTF8_Short_ String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Unit	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	No Values		

## unit\_id in Unit\_Of\_Measure

<b>Name: unit_id</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The unit_id attribute provides a character or character string which serves as an abbreviation for, or symbol representing, a unit of measure.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Unit_Of_ Measure	<i>Type:</i> UTF8_Short_ String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> ID	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	No Values		

## unit\_id in Units\_of\_Acceleration

<b>Name: unit_id</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The unit_id attribute provides a character or character string which serves as an abbreviation for, or symbol representing, a unit of measure.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Units_of_Acceleration	<i>Type:</i> UTF8_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> ID	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	cm/s**2	The abbreviated unit for Units_of_Acceleration is cm/s**2	
	km/s**2	The abbreviated unit for Units_of_Acceleration is km/s**2	
	m/s**2	The abbreviated unit for Units_of_Acceleration is m/s**2	

## unit\_id in Units\_of\_Amount\_Of\_Substance

<b>Name: unit_id</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The unit_id attribute provides a character or character string which serves as an abbreviation for, or symbol representing, a unit of measure.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Units_of_Amount_Of_Substance	<i>Type:</i> UTF8_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> ID	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	mol	The abbreviated unit for Units_of_Amount_Of_Substance is mol	

## unit\_id in Units\_of\_Angle

<b>Name: unit_id</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The unit_id attribute provides a character or character string which serves as an abbreviation for, or symbol representing, a unit of measure.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Units_of_Angle	<i>Type:</i> UTF8_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> ID	<i>Conceptual Domain:</i> Short_String

<b>Name: unit_id</b>		<b>Version Id: 1.0.0.0</b>
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>
	arcmin	The abbreviated unit for Units_of_Angle is arcmin
	arcsec	The abbreviated unit for Units_of_Angle is arcsec
	deg	The abbreviated unit for Units_of_Angle is deg
	hr	The abbreviated unit for Units_of_Angle is hr
	mrاد	The abbreviated unit for Units_of_Angle is mrاد
	rad	The abbreviated unit for Units_of_Angle is rad

## unit\_id in Units\_of\_Angular\_Velocity

<b>Name: unit_id</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The unit_id attribute provides a character or character string which serves as an abbreviation for, or symbol representing, a unit of measure.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Units_of_Angular_Velocity	<i>Type:</i> UTF8_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> ID	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	deg/day	The abbreviated unit for Units_of_Angular_Velocity is deg/day	
	deg/s	The abbreviated unit for Units_of_Angular_Velocity is deg/s	
	rad/s	The abbreviated unit for Units_of_Angular_Velocity is rad/s	

## unit\_id in Units\_of\_Area

<b>Name: unit_id</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The unit_id attribute provides a character or character string which serves as an abbreviation for, or symbol representing, a unit of measure.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Units_of_Area	<i>Type:</i> UTF8_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> ID	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	m**2	The abbreviated unit for Units_of_Area is m**2	

## unit\_id in Units\_of\_Current

<b>Name: unit_id</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The unit_id attribute provides a character or character string which serves as an abbreviation for, or symbol representing, a unit of measure.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Units_of_Current	<i>Type:</i> UTF8_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> None
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	A	The abbreviated unit for Units_of_Current is A	
	mA	The abbreviated unit for Units_of_Current is mA	

## unit\_id in Units\_of\_Frame\_Rate

<b>Name: unit_id</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The unit_id attribute provides a character or character string which serves as an abbreviation for, or symbol representing, a unit of measure.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Units_of_Frame_Rate	<i>Type:</i> UTF8_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> ID	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	frames/s	The abbreviated unit for Units_of_Frame_Rate is frames/s	

## unit\_id in Units\_of\_Frequency

<b>Name: unit_id</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The unit_id attribute provides a character or character string which serves as an abbreviation for, or symbol representing, a unit of measure.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Units_of_Frequency	<i>Type:</i> UTF8_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> ID	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	Hz	The abbreviated unit for Units_of_Frequency is Hz	

## unit\_id in Units\_of\_Length

<b>Name: unit_id</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The unit_id attribute provides a character or character string that serves as an abbreviation for, or symbol representing, a unit of measure.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Units_of_Length	<i>Type:</i> UTF8_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> ID	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	AU	The abbreviated unit for Units_of_Length is AU (astronomical unit)	
	Angstrom	The abbreviated unit for Units_of_Length is Angstrom	
	cm	The abbreviated unit for Units_of_Length is cm	
	km	The abbreviated unit for Units_of_Length is km	
	m	The abbreviated unit for Units_of_Length is m	
	micrometer	The abbreviated unit for Units_of_Length is micrometer (10 <sup>-6</sup> m)	
	mm	The abbreviated unit for Units_of_Length is mm (10 <sup>-3</sup> m)	
	nm	The abbreviated unit for Units_of_Length is nm (10 <sup>-9</sup> m)	

## unit\_id in Units\_of\_Map\_Scale

<b>Name: unit_id</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The unit_id attribute provides a character or character string which serves as an abbreviation for, or symbol representing, a unit of measure.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Units_of_Map_Scale	<i>Type:</i> UTF8_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> ID	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	km/pixel	The abbreviated unit for Units_of_Map_Scale is km/pixel	
	m/pixel	The abbreviated unit for Units_of_Map_Scale is m/pixel	
	mm/pixel	The abbreviated unit for Units_of_Map_Scale is mm/pixel	

<b>Name: unit_id</b>		<b>Version Id: 1.0.0.0</b>
	pixel/deg	The abbreviated unit for Units_of_Map_Scale is pixel/deg

## unit\_id in Units\_of\_Mass

<b>Name: unit_id</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The unit_id attribute provides a character or character string which serves as an abbreviation for, or symbol representing, a unit of measure.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Units_of_Mass	<i>Type:</i> UTF8_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> ID	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	g	The abbreviated unit for Units_of_Mass is g	
	kg	The abbreviated unit for Units_of_Mass is kg	

## unit\_id in Units\_of\_Misc

<b>Name: unit_id</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The unit_id attribute provides a character or character string which serves as an abbreviation for, or symbol representing, a unit of measure.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Units_of_Misc	<i>Type:</i> UTF8_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> ID	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	DN	The abbreviated unit for Units_of_Misc is DN	
	electron/DN	The abbreviated unit for Units_of_Misc is electron/DN	
	pixel	The abbreviated unit for Units_of_Misc is pixel	

## unit\_id in Units\_of\_None

<b>Name: unit_id</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The unit_id attribute provides a character or character string that serves as an abbreviation for, or symbol representing, a unit of measure.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Units_of_None	<i>Type:</i> UTF8_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255

<b>Name: unit_id</b>			<b>Version Id: 1.0.0.0</b>
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> ID	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	none	Dimensionless quantities have no abbreviated unit	

## unit\_id in Units\_of\_Optical\_Path\_Length

<b>Name: unit_id</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The unit_id attribute provides a character or character string which serves as an abbreviation for, or symbol representing, a unit of measure.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Units_of_Optical_Path_Length	<i>Type:</i> UTF8_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> ID	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	airmass	The abbreviated unit for Units_of_Optical_Path_Length is airmass	

## unit\_id in Units\_of\_Pressure

<b>Name: unit_id</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The unit_id attribute provides a character or character string which serves as an abbreviation for, or symbol representing, a unit of measure.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Units_of_Pressure	<i>Type:</i> UTF8_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> ID	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	Pa	The abbreviated unit for Units_of_Pressure is Pa	
	bar	The abbreviated unit for Units_of_Pressure is bar (10**5 Pa)	
	hPa	The abbreviated unit for Units_of_Pressure is hPa (100 Pa)	
	mbar	The abbreviated unit for Units_of_Pressure is mbar (100 Pa)	



## unit\_id in Units\_of\_Radiance

<b>Name: unit_id</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The unit_id attribute provides a character or character string that serves as an abbreviation for, or symbol representing, a unit of measure.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Units_of_Radiance	<i>Type:</i> UTF8_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> ID	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	W*m**-2*sr**-1 - *Deprecated*	The abbreviated unit of Units_of_Radiance is W*m**-2*sr**-1	
	W/(m**2*sr)	The abbreviated unit of Units_of_Radiance is W/(m**2*sr)	

## unit\_id in Units\_of\_Rates

<b>Name: unit_id</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The unit_id attribute provides a character or character string which serves as an abbreviation for, or symbol representing, a unit of measure.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Units_of_Rates	<i>Type:</i> UTF8_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> ID	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	counts/bin	The abbreviated unit for Units_of_Rates is counts/bin	
	kilobits/s	The abbreviated unit for Units_of_Rates is kilobits/s	

## unit\_id in Units\_of\_Solid\_Angle

<b>Name: unit_id</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The unit_id attribute provides a character or character string which serves as an abbreviation for, or symbol representing, a unit of measure.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Units_of_Solid_Angle	<i>Type:</i> UTF8_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> ID	<i>Conceptual Domain:</i> Short_String

<b>Name: unit_id</b>		<b>Version Id: 1.0.0.0</b>
Status: Active	Nillable: false	Pattern: None
Permissible Value(s)	Value	Value Meaning
	sr	The abbreviated unit for Units_of_Solid_Angle is sr

## unit\_id in Units\_of\_Spectral\_Irradiance

<b>Name: unit_id</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The unit_id attribute provides a character or character string which serves as an abbreviation for, or symbol representing, a unit of measure.			
Namespace Id: pds	Steward: pds	Class Name: Units_of_Spectral_Irradiance	Type: UTF8_Short_String_Collapsed
Minimum Value: None	Maximum Value: None	Minimum Characters: 1	Maximum Characters: 255
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: None	Conceptual Domain: None
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	Value	Value Meaning	
	SFU - *Deprecated*	The abbreviated unit for Units_of_Spectral_Irradiance is SFU	
	W*m**-2*Hz**-1 - *Deprecated*	The abbreviated unit for Units_of_Spectral_Irradiance is W*m**-2*Hz**-1	
	W*m**-2*nm**-1 - *Deprecated*	The abbreviated unit for Units_of_Spectral_Irradiance is W*m**-2*nm**-1	
	W*m**-3 - *Deprecated*	The abbreviated unit for Units_of_Spectral_Irradiance is W*m**-3	
	W/m**2/Hz	The abbreviated unit of Units_of_Spectral_Irradiance is W/m**2/Hz	
	W/m**2/nm	The abbreviated unit of Units_of_Spectral_Irradiance is W/m**2/nm	
	W/m**3	The abbreviated unit of Units_of_Spectral_Irradiance is W/m**3	
	uW*cm**-2*um**-1 - *Deprecated*	The abbreviated unit for Units_of_Spectral_Irradiance is uW*cm**-2*um**-1	
	μW/cm**2/μm	The abbreviated unit for Units_of_Spectral_Radiance is μW/cm**2/μm	

## unit\_id in Units\_of\_Spectral\_Radiance

<b>Name: unit_id</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The unit_id attribute provides a character or character string which serves as an abbreviation for, or symbol representing, a unit of measure.			
Namespace Id: pds	Steward: pds	Class Name: Units_of_Spectral_Radiance	Type: UTF8_Short_String_Collapsed

Attributes in the common  
(pds) namespace.

<b>Name: unit_id</b>			<b>Version Id: 1.0.0.0</b>
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> None
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	W*m**-2*sr**-1*Hz** - *Deprecated*	The abbreviated unit for Units_of_Spectral_Radiance is W*m**-2*sr**-1*Hz**-1	
	W*m**-2*sr**-1*nm** - *Deprecated*	The abbreviated unit for Units_of_Spectral_Radiance is W*m**-2*sr**-1*nm**-1	
	W*m**-2*sr**-1*um** - *Deprecated*	The abbreviated unit for Units_of_Spectral_Radiance is W*m**-2*sr**-1*um**-1	
	W*m**-3*sr**-1 - *Deprecated*	The abbreviated unit for Units_of_Spectral_Radiance is W*m**-3*sr**-1	
	W/m**2/sr/Hz	The abbreviated unit of Units_of_Spectral_Radiance is W/m**2/sr/Hz	
	W/m**2/sr/nm	The abbreviated unit of Units_of_Spectral_Radiance is W/m**2/sr/nm	
	W/m**2/sr/μm	The abbreviated unit for Units_of_Spectral_Radiance is W/m**2/sr/μm	
	W/m**3/sr	The abbreviated unit of Units_of_Spectral_Radiance is W/m**3/sr	
	uW*cm**-2*sr**-1*um** - *Deprecated*	The abbreviated unit for Units_of_Spectral_Radiance is uW*cm**-2*sr**-1*um**-1	
	μW/cm**2/sr/μm	The abbreviated unit for Units_of_Spectral_Radiance is μW/cm**2/sr/μm	

## unit\_id in Units\_of\_Storage

<b>Name: unit_id</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The unit_id attribute provides a character or character string which serves as an abbreviation for, or symbol representing, a unit of measure.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Units_of_Storage	<i>Type:</i> UTF8_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> ID	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	byte	The abbreviated unit of Units_of_Storage is byte	

## unit\_id in Units\_of\_Temperature

<b>Name: unit_id</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The unit_id attribute provides a character or character string which serves as an abbreviation for, or symbol representing, a unit of measure.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Units_of_Temperature	<i>Type:</i> UTF8_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> ID	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	K	The abbreviated unit of Units_of_Temperature is K	
	degC	The abbreviated unit of Units_of_Temperature is degC	

## unit\_id in Units\_of\_Time

<b>Name: unit_id</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The unit_id attribute provides a character or character string which serves as an abbreviation for, or symbol representing, a unit of measure.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Units_of_Time	<i>Type:</i> UTF8_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> ID	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	day	The abbreviated unit for Units_of_Time is day	
	hr	The abbreviated unit for Units_of_Time is hr	
	julian day	The abbreviated unit for Units_of_Time is julian day	
	microseconds	The abbreviated unit for Units_of_Time is microseconds	
	min	The abbreviated unit for Units_of_Time is min	
	ms	The abbreviated unit for Units_of_Time is ms	
	s	The abbreviated unit for Units_of_Time is s	
	yr	The abbreviated unit for Units_of_Time is yr	

## unit\_id in Units\_of\_Velocity

<b>Name: unit_id</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The unit_id attribute provides a character or character string which serves as an abbreviation for, or symbol representing, a unit of measure.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Units_of_Velocity	<i>Type:</i> UTF8_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> ID	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	cm/s	The abbreviated unit for Units_of_Velocity is cm/s	
	km/s	The abbreviated unit for Units_of_Velocity is km/s	
	m/s	The abbreviated unit for Units_of_Velocity is m/s	

## unit\_id in Units\_of\_Voltage

<b>Name: unit_id</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The unit_id attribute provides a character or character string which serves as an abbreviation for, or symbol representing, a unit of measure.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Units_of_Voltage	<i>Type:</i> UTF8_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> ID	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	V	The abbreviated unit for Units_of_Voltage is V	
	mV	The abbreviated unit for Units_of_Voltage is mV	

## unit\_id in Units\_of\_Volume

<b>Name: unit_id</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The unit_id attribute provides a character or character string which serves as an abbreviation for, or symbol representing, a unit of measure.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Units_of_Volume	<i>Type:</i> UTF8_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255

<b>Name: unit_id</b>			<b>Version Id: 1.0.0.0</b>
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> ID	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	L	The abbreviated unit for Units_of_Volume is L	
	m**3	The abbreviated unit for Units_of_Volume is m**3	

## unit\_id in Units\_of\_Wavenumber

<b>Name: unit_id</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The unit_id attribute provides a character or character string that serves as an abbreviation for, or symbol representing, a unit of measure.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Units_of_Wavenumber	<i>Type:</i> UTF8_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> None
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	1/cm	The abbreviated unit of Units_of_Wavenumber is 1/cm	
	1/m	The abbreviated unit of Units_of_Wavenumber is 1/m	
	1/nm	The abbreviated unit of Units_of_Wavenumber is 1/nm	
	cm**-1 - *Deprecated*	The abbreviated unit for Units_of_Wavenumber is cm**-1	
	m**-1 - *Deprecated*	The abbreviated unit for Units_of_Wavenumber is m**-1	
	nm**-1 - *Deprecated*	The abbreviated unit for Units_of_Wavenumber is nm**-1	

## unit\_of\_measure\_type in DD\_Value\_Domain

<b>Name: unit_of_measure_type</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The unit_of_measure_type attribute identifies the class from which the attribute being defined in this data dictionary draws its possible expressions for units.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> DD_Value_Domain	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Type	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	

Attributes in the common  
(pds) namespace.

<b>Name: unit_of_measure_type</b>		<b>Version Id: 1.0.0.0</b>
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>
	Units_of_Acceleration	The attribute being defined uses one of the values of unit_id listed in class Units_of_Acceleration.
	Units_of_Amount_Of_Substance	The attribute being defined uses one of the values of unit_id listed in class Units_of_Amounts_of_Substance
	Units_of_Angle	The attribute being defined uses one of the values of unit_id listed in class Units_of_Angle
	Units_of_Angular_Velocity	The attribute being defined uses one of the values of unit_id listed in class Units_of_Angular_Velocity
	Units_of_Area	The attribute being defined uses one of the values of unit_id listed in class Units_of_Area
	Units_of_Current	The attribute being defined uses one of the values of unit_id listed in class Units_of_Current
	Units_of_Frame_Rate	The attribute being defined uses one of the values of unit_id listed in class Units_of_Frame_Rate
	Units_of_Frequency	The attribute being defined uses one of the values of unit_id listed in class Units_of_Frequency
	Units_of_Length	The attribute being defined uses one of the values of unit_id listed in class Units_of_Length
	Units_of_Map_Scale	The attribute being defined uses one of the values of unit_id listed in class Units_of_Map_Scale
	Units_of_Mass	The attribute being defined uses one of the values of unit_id listed in class Units_of_Mass
	Units_of_Misc	The attribute being defined uses one of the values of unit_id listed in class Units_of_Misc
	Units_of_None	The attribute being defined is dimensionless.
	Units_of_Optical_Path_Length	The attribute being defined uses one of the values of unit_id listed in class Units_of_Optical_Path_Length
	Units_of_Pressure	The attribute being defined uses one of the values of unit_id listed in class Units_of_Pressure
	Units_of_Radiance	The attribute being defined uses one of the values of unit_id listed in class Units_of_Radiance
	Units_of_Rates	The attribute being defined uses one of the values of unit_id listed in class Units_of_Rates
	Units_of_Solid_Angle	The attribute being defined uses one of the values of unit_id listed in class Units_of_Solid_Angle
	Units_of_Spectral_Irradiance	The attribute being defined uses one of the values of unit_id listed in class Units_of_Spectral_Irradiance

Attributes in the common  
(pds) namespace.

<b>Name: unit_of_measure_type</b>		<b>Version Id: 1.0.0.0</b>
	Units_of_Spectral_Radiance	The attribute being defined uses one of the values of unit_id listed in class Units_of_Spectral_Radiance
	Units_of_Storage	The attribute being defined uses one of the values of unit_id listed in class Units_of_Storage
	Units_of_Temperature	The attribute being defined uses one of the values of unit_id listed in class Units_of_Temperature
	Units_of_Time	The attribute being defined uses one of the values of unit_id listed in class Units_of_Time
	Units_of_Velocity	The attribute being defined uses one of the values of unit_id listed in class Units_of_Velocity
	Units_of_Voltage	The attribute being defined uses one of the values of unit_id listed in class Units_of_Voltage
	Units_of_Volume	The attribute being defined uses one of the values of unit_id listed in class Units_of_Volume
	Units_of_Wavenumber	The attribute being defined uses one of the values of unit_id listed in class Units_of_Wavenumber

## unit\_of\_measure\_type in DD\_Value\_Domain\_Full

<b>Name: unit_of_measure_type</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The unit_of_measure_type attribute identifies the class from which the attribute being defined in this data dictionary draws its possible expressions for units.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> DD_Value_Domain_Full	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Type	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	Units_of_Amount_Of_Substance	The attribute being defined uses one of the values of unit_id listed in class Units_of_Amount_of_Substance	
	Units_of_Angle	The value is given in a unit which conveys angle	
	Units_of_Angular_Velocity	The value is given in a unit which conveys angular velocity	
	Units_of_Area	The value is given in a unit which conveys area	
	Units_of_Current	The value is given in a unit which conveys current	



Attributes in the common  
(pds) namespace.

<b>Name: unit_of_measure_type</b>		<b>Version Id: 1.0.0.0</b>
	Units_of_Frame_Rate	The value is given in a unit which conveys frame rate
	Units_of_Frequency	The value is given in a unit which conveys frequency
	Units_of_Length	The value is given in a unit which conveys length
	Units_of_Map_Scale	The value is given in a unit which conveys map scale
	Units_of_Mass	The value is given in a unit which conveys mass
	Units_of_Misc	The value is given in a unit which is in a miscellaneous category
	Units_of_None	The value is given without regard to a unit of measure
	Units_of_Optical_Path_Length	The value is given in a unit which conveys optical path length
	Units_of_Pressure	The value is given in a unit which conveys pressure
	Units_of_Radiance	The value is given in a unit which conveys radiance
	Units_of_Rates	The value is given in a unit which conveys rates or counts per unit time
	Units_of_Solid_Angle	The value is given in a unit which conveys solid angle
	Units_of_Spectral_Irradiance	The value is given in a unit which conveys spectral irradiance
	Units_of_Spectral_Radiance	The value is given in a unit which conveys spectral radiance
	Units_of_Storage	The value is given in a unit which conveys computer storage
	Units_of_Temperature	The value is given in a unit which conveys temperature
	Units_of_Time	The value is given in a unit which conveys time
	Units_of_Velocity	The value is given in a unit which conveys velocity
	Units_of_Voltage	The value is given in a unit which conveys voltage
	Units_of_Volume	The value is given in a unit which conveys volume
	Units_of_Wavenumber	The value is given in a unit which conveys wavenumber

## unknown\_constant in Special\_Constants

<b>Name: unknown_constant</b>		<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The unknown_constant attribute provides a value that indicates the original value was unknown.		

<b>Name: unknown_constant</b>			<b>Version Id: 1.0.0.0</b>
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Special_Constants	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Constant	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## update\_purpose in Update

<b>Name: update_purpose</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The update purpose attribute indicates the intended objective of this update.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Update	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> None
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	Update Label Metadata	The purpose of the update is to revise metadata in a product label.	
	Update Supplemental Metadata	The purpose of the update is to revise metadata not in a product label.	

## url in External\_Reference\_Extended

<b>Name: url</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The url attribute provides a Uniform Resource Identifier (URI) that specifies where a resource is available and the mechanism for retrieving it.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> External_Reference_Extended	<i>Type:</i> ASCII_AnyURI
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> None
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## url in Resource

<b>Name: url</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The url attribute provides a Uniform Resource Identifier (URI) that specifies where a resource is available and the mechanism for retrieving it.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Resource	<i>Type:</i> ASCII_AnyURI

<b>Name: url</b>			<b>Version Id: 1.0.0.0</b>
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> None
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	No Values		

## url in Service

<b>Name: url</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The url attribute provides a Uniform Resource Identifier (URI) that specifies where a resource is available and the mechanism for retrieving it.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> Service	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> None
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	No Values		

## users\_manual\_id in Software

<b>Name: users_manual_id</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The users manual id attribute provides a formal name used to refer to a manual that describes how to use the software.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> Software	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> ID	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	No Values		

## valid\_maximum in Special\_Constants

<b>Name: valid_maximum</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The valid_maximum attribute specifies the maximum valid value in the field or digital object with which the Special_Constants class is associated. Values above the valid_maximum have a special meaning. Values of this attribute should be represented in the same data_type as the elements in the object or field described. (Note that PDS3 had no qube-related valid_maximum values because all special constants were set below the valid_minimum.)			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Special_Constants	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255

<b>Name: valid_maximum</b>			<b>Version Id: 1.0.0.0</b>
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Maximum	<i>Conceptual Domain:</i> None
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	No Values		

## valid\_minimum in Special\_Constants

<b>Name: valid_minimum</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The valid_minimum attribute specifies the minimum valid value in the field or digital object with which the Special_Constants class is associated. Values below the valid_minimum have a special meaning. Values of this attribute should be represented in the same data_type as the elements in the object or field described.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Special_Constants	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Minimum	<i>Conceptual Domain:</i> None
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	No Values		

## value in DD\_Permissible\_Value

<b>Name: value</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The value attribute provides a single, allowed numerical or character string value.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> DD_Permissible_Value	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Value	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	No Values		

## value in DD\_Permissible\_Value\_Full

<b>Name: value</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The value attribute provides a single, allowed numerical or character string value.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> DD_Permissible_Value_Full	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Value	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	

<b>Name: value</b>		<b>Version Id: 1.0.0.0</b>
<i>Permissible Value(s)</i>	<i>No Values</i>	

## value in Quaternion\_Component

<b>Name: value</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description: The value attribute provides a single, allowed numerical or character string value.</i>			
<i>Namespace Id: pds</i>	<i>Steward: pds</i>	<i>Class Name: Quaternion_Component</i>	<i>Type: ASCII_Short_String_Collapsed</i>
<i>Minimum Value: None</i>	<i>Maximum Value: None</i>	<i>Minimum Characters: 1</i>	<i>Maximum Characters: 255</i>
<i>Unit of Measure Type: None</i>	<i>Default Unit Id: None</i>	<i>Attribute Concept: Value</i>	<i>Conceptual Domain: Short_String</i>
<i>Status: Active</i>	<i>Nillable: false</i>	<i>Pattern: None</i>	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## value in Vector\_Component

<b>Name: value</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description: The value attribute provides a single, allowed numerical or character string value.</i>			
<i>Namespace Id: pds</i>	<i>Steward: pds</i>	<i>Class Name: Vector_Component</i>	<i>Type: ASCII_Short_String_Collapsed</i>
<i>Minimum Value: None</i>	<i>Maximum Value: None</i>	<i>Minimum Characters: 1</i>	<i>Maximum Characters: 255</i>
<i>Unit of Measure Type: None</i>	<i>Default Unit Id: None</i>	<i>Attribute Concept: Value</i>	<i>Conceptual Domain: Short_String</i>
<i>Status: Active</i>	<i>Nillable: false</i>	<i>Pattern: None</i>	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## value\_begin\_date in DD\_Permissible\_Value\_Full

<b>Name: value_begin_date</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description: The value_begin_date attribute provides the first date on which the permissible value is in effect.</i>			
<i>Namespace Id: pds</i>	<i>Steward: ops</i>	<i>Class Name: DD_Permissible_Value_Full</i>	<i>Type: ASCII_Date_Time_YMD</i>
<i>Minimum Value: None</i>	<i>Maximum Value: None</i>	<i>Minimum Characters: None</i>	<i>Maximum Characters: None</i>
<i>Unit of Measure Type: None</i>	<i>Default Unit Id: None</i>	<i>Attribute Concept: Time</i>	<i>Conceptual Domain: Time</i>
<i>Status: Active</i>	<i>Nillable: false</i>	<i>Pattern: None</i>	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## value\_data\_type in DD\_Value\_Domain

<b>Name: value_data_type</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The value_data_type attribute is used in a data dictionary to specify the data type of an attribute's value.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> DD_Value_Domain	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Type	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	ASCII_AnyURI	The value is expressed using the data type ASCII_AnyURI	
	ASCII_Boolean	The value is expressed using the data type ASCII_Boolean	
	ASCII_DOI	The value is expressed using the data type ASCII_DOI	
	ASCII_Date_DOY	The value is expressed using the data type ASCII_Date_DOY	
	ASCII_Date_Time_DOY	The value is expressed using the data type ASCII_Date_Time_DOY	
	ASCII_Date_Time_DOY_UTC	The value is expressed using the data type ASCII_Date_Time_DOY_UTC	
	ASCII_Date_Time_YMD	The value is expressed using the data type ASCII_Date_Time_YMD	
	ASCII_Date_Time_YMD_UTC	The value is expressed using the data type ASCII_Date_Time_YMD_UTC	
	ASCII_Date_YMD	The value is expressed using the data type ASCII_Date_YMD	
	ASCII_Directory_Path_Name	The value is expressed using the data type ASCII_Directory_Path_Name	
	ASCII_File_Name	The value is expressed using the data type ASCII_File_Name	
	ASCII_File_Specification_Name	The value is expressed using the data type ASCII_File_Specification_Name	
	ASCII_Integer	The value is expressed using the data type ASCII_Integer	
	ASCII_LID	The value is expressed using the data type ASCII_LID	
	ASCII_LIDVID	The value is expressed using the data type ASCII_LIDVID	
	ASCII_LIDVID_LID	The value is expressed using the data type ASCII_LIDVID_LID	
	ASCII_MD5_Checksum	The value is expressed using the data type ASCII_MD5_Checksum	

Attributes in the common  
(pds) namespace.

<i>Name:</i> value_data_type		<i>Version Id:</i> 1.0.0.0
ASCII_NonNegative_Integer	The value is expressed using the data type ASCII_NonNegative_Integer	
ASCII_Numeric_Base16	The value is expressed using the data type ASCII_Numeric_Base16	
ASCII_Numeric_Base2	The value is expressed using the data type ASCII_Numeric_Base2	
ASCII_Numeric_Base8	The value is expressed using the data type ASCII_Numeric_Base8	
ASCII_Real	The value is expressed using the data type ASCII_Real	
ASCII_Short_String_Collapsed	The value is expressed using the data type ASCII_Short_String_Collapsed	
ASCII_Short_String_Preserved	The value is expressed using the data type ASCII_Short_String_Preserved	
ASCII_Text_Collapsed	The value is expressed using the data type ASCII_Text_Collapsed	
ASCII_Text_Preserved	The value is expressed using the data type ASCII_Text_Preserved	
ASCII_Time	The value is expressed using the data type ASCII_Time	
ASCII_VID	The value is expressed using the data type ASCII_VID	
UTF8_Short_String_Collapsed	The value is expressed using the data type UTF8_Short_String_Collapsed	
UTF8_Short_String_Preserved	The value is expressed using the data type UTF8_Short_String_Preserved	
UTF8_Text_Preserved	The value is expressed using the data type UTF8_Text_Preserved	
Vector_Cartesian_3	The value is expressed using the data type Vector_Cartesian_3	
Vector_Cartesian_3_Acceleration	The value is expressed using the data type Vector_Cartesian_3_Acceleration	
Vector_Cartesian_3_Pointing	The value is expressed using the data type Vector_Cartesian_3_Pointing	
Vector_Cartesian_3_Position	The value is expressed using the data type Vector_Cartesian_3_Position	
Vector_Cartesian_3_Velocity	The value is expressed using the data type Vector_Cartesian_3_Velocity	

## value\_data\_type in DD\_Value\_Domain\_Full

<i>Name:</i> value_data_type		<i>Version Id:</i> 1.0.0.0	
<i>Description:</i> The value_data_type attribute is used in a data dictionary to specify the data type of an attribute's value.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> DD_Value_Domain_Full	<i>Type:</i> ASCII_Short_String_Collapsed

Attributes in the common  
(pds) namespace.

<b>Name: value_data_type</b>			<b>Version Id: 1.0.0.0</b>
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Type	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	ASCII_AnyURI	The value is expressed using the data type ASCII_AnyURI	
	ASCII_Boolean	The value is expressed using the data type ASCII_Boolean	
	ASCII_DOI	The value is expressed using the data type ASCII_DOI	
	ASCII_Date_DOY	The value is expressed using the data type ASCII_Date_DOY	
	ASCII_Date_Time_DOY	The value is expressed using the data type ASCII_Date_Time_DOY	
	ASCII_Date_Time_DOY_UTC	The value is expressed using the data type ASCII_Date_Time_DOY_UTC	
	ASCII_Date_Time_YMD	The value is expressed using the data type ASCII_Date_Time_YMD	
	ASCII_Date_Time_YMD_UTC	The value is expressed using the data type ASCII_Date_Time_YMD_UTC	
	ASCII_Date_YMD	The value is expressed using the data type ASCII_Date_YMD	
	ASCII_Directory_Path_Name	The value is expressed using the data type ASCII_Directory_Path_Name	
	ASCII_File_Name	The value is expressed using the data type ASCII_File_Name	
	ASCII_File_Specification_Name	The value is expressed using the data type ASCII_File_Specification_Name	
	ASCII_Integer	The value is expressed using the data type ASCII_Integer	
	ASCII_LID	The value is expressed using the data type ASCII_LID	
	ASCII_LIDVID	The value is expressed using the data type ASCII_LIDVID	
	ASCII_LIDVID_LID	The value is expressed using the data type ASCII_LIDVID_LID	
	ASCII_MD5_Checksum	The value is expressed using the data type ASCII_MD5_Checksum	
	ASCII_NonNegative_Integer	The value is expressed using the data type ASCII_NonNegative_Integer	
	ASCII_Numeric_Base16	The value is expressed using the data type ASCII_Numeric_Base16	
	ASCII_Numeric_Base2	The value is expressed using the data type ASCII_Numeric_Base2	



Attributes in the common  
(pds) namespace.

<b>Name: value_data_type</b>		<b>Version Id: 1.0.0.0</b>
	ASCII_Numeric_Base8	The value is expressed using the data type ASCII_Numeric_Base8
	ASCII_Real	The value is expressed using the data type ASCII_Real
	ASCII_Short_String_Collapsed	The value is expressed using the data type ASCII_Short_String_Collapsed
	ASCII_Short_String_Preserved	The value is expressed using the data type ASCII_Short_String_Preserved
	ASCII_Text_Collapsed	The value is expressed using the data type ASCII_Text_Collapsed
	ASCII_Text_Preserved	The value is expressed using the data type ASCII_Text_Preserved
	ASCII_Time	The value is expressed using the data type ASCII_Time
	ASCII_VID	The value is expressed using the data type ASCII_VID
	UTF8_Short_String_Collapsed	The value is expressed using the data type UTF8_Short_String_Collapsed
	UTF8_Short_String_Preserved	The value is expressed using the data type UTF8_Short_String_Preserved
	UTF8_Text_Preserved	The value is expressed using the data type UTF8_Text_Preserved

## value\_end\_date in DD\_Permissible\_Value\_Full

<b>Name: value_end_date</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The value_end_date attribute provides the last date on which the permissible value is in effect.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> DD_Permissible_Value_Full	<i>Type:</i> ASCII_Date_Time_YMD
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Time	<i>Conceptual Domain:</i> Time
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## value\_meaning in DD\_Permissible\_Value

<b>Name: value_meaning</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The value_meaning attribute provides the meaning, or semantic content, of the associated permissible value.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> DD_Permissible_Value	<i>Type:</i> ASCII_Text_Preserved

<b>Name: value_meaning</b>			<b>Version Id: 1.0.0.0</b>
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Text	<i>Conceptual Domain:</i> Text
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	No Values		

## value\_meaning in DD\_Permissible\_Value\_Full

<b>Name: value_meaning</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The value_meaning attribute provides the meaning, or semantic content, of the associated permissible value.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> DD_Permissible_Value_Full	<i>Type:</i> ASCII_Text_Preserved
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Text	<i>Conceptual Domain:</i> Text
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	No Values		

## value\_offset in Band\_Bin \*Deprecated\*

<b>Name: value_offset</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The value_offset attribute is the offset to be applied to each stored value in order to recover an original value. The observed value (Ov) is calculated from the stored value (Sv) thus: $Ov = (Sv * scaling\_factor) + value\_offset$ . The default value is 0.			
<i>Namespace Id:</i> pds	<i>Steward:</i> img	<i>Class Name:</i> Band_Bin *Deprecated*	<i>Type:</i> ASCII_Real
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Offset	<i>Conceptual Domain:</i> Real
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	No Values		

## value\_offset in Element\_Array

<b>Name: value_offset</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The value_offset attribute is the offset to be applied to each stored value in order to recover an original value. The observed value (Ov) is calculated from the stored value (Sv) thus: $Ov = (Sv * scaling\_factor) + value\_offset$ . The default value is 0.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Element_Array	<i>Type:</i> ASCII_Real

<b>Name: value_offset</b>			<b>Version Id: 1.0.0.0</b>
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Offset	<i>Conceptual Domain:</i> Real
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	No Values		

## value\_offset in Field\_Binary

<b>Name: value_offset</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The value_offset attribute is the offset to be applied to each stored value in order to recover an original value. The observed value (Ov) is calculated from the stored value (Sv) thus: $Ov = (Sv * scaling\_factor) + value\_offset$ . The default value is 0.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Field_Binary	<i>Type:</i> ASCII_Real
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Offset	<i>Conceptual Domain:</i> Real
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	No Values		

## value\_offset in Field\_Bit

<b>Name: value_offset</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The value_offset attribute is the offset to be applied to each stored value in order to recover an original value. The observed value (Ov) is calculated from the stored value (Sv) thus: $Ov = (Sv * scaling\_factor) + value\_offset$ . The default value is 0.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Field_Bit	<i>Type:</i> ASCII_Real
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Offset	<i>Conceptual Domain:</i> Real
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	No Values		

## value\_offset in Field\_Character

<b>Name: value_offset</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The value_offset attribute is the offset to be applied to each stored value in order to recover an original value. The observed value (Ov) is calculated from the stored value (Sv) thus: $Ov = (Sv * scaling\_factor) + value\_offset$ . The default value is 0.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Field_Character	<i>Type:</i> ASCII_Real
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None

<b>Name: value_offset</b>			<b>Version Id: 1.0.0.0</b>
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Offset	<i>Conceptual Domain:</i> Real
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	No Values		

## value\_offset in Field\_Delimited

<b>Name: value_offset</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The value_offset attribute is the offset to be applied to each stored value in order to recover an original value. The observed value (Ov) is calculated from the stored value (Sv) thus: $Ov = (Sv * scaling\_factor) + value\_offset$ . The default value is 0.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Field_Delimited	<i>Type:</i> ASCII_Real
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Offset	<i>Conceptual Domain:</i> Real
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	No Values		

## vector\_components in Vector

<b>Name: vector_components</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The vector_components attribute provides a count of vector components.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Vector	<i>Type:</i> ASCII_Integer
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Count	<i>Conceptual Domain:</i> Integer
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	No Values		

## version\_id in DD\_Attribute

<b>Name: version_id</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The version_id attribute provides the version of the product, expressed in the PDS [m.n] notation.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> DD_Attribute	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> ID	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> ([0-9]+)(\.)\{1\}([0-9]+)	
<i>Permissible Value(s)</i>	No Values		

## version\_id in DD\_Attribute\_Full

<b>Name: version_id</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The version_id attribute provides the version of the product, expressed in the PDS [m.n] notation.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> DD_Attribute_Full	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> ID	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nilable:</i> false	<i>Pattern:</i> ([0-9]+)(\.)\{1\}([0-9]+)	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## version\_id in DD\_Class

<b>Name: version_id</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The version_id attribute provides the version of the product, expressed in the PDS [m.n] notation.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> DD_Class	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> ID	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nilable:</i> false	<i>Pattern:</i> ([0-9]+)(\.)\{1\}([0-9]+)	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## version\_id in DD\_Class\_Full

<b>Name: version_id</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The version_id attribute provides the version of the product, expressed in the PDS [m.n] notation.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> DD_Class_Full	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> ID	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nilable:</i> false	<i>Pattern:</i> ([0-9]+)(\.)\{1\}([0-9]+)	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## version\_id in Identification\_Area

<b>Name: version_id</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The version_id attribute provides the version of the product, expressed in the PDS [m.n] notation.			

Attributes in the common  
(pds) namespace.

<b>Name: version_id</b>			<b>Version Id: 1.0.0.0</b>
Namespace Id: pds	Steward: pds	Class Name: Identification_Area	Type: ASCII_Short_String_Collapsed
Minimum Value: None	Maximum Value: None	Minimum Characters: 1	Maximum Characters: 255
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: ID	Conceptual Domain: Short_String
Status: Active	Nilable: false	Pattern: ([0-9]+)(\.)\{1\}([0-9]+)	
Permissible Value(s)	No Values		

## version\_id in Instrument\_Host \*Deprecated\*

<b>Name: version_id *Deprecated*</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The version_id attribute provides the version of the product, expressed in the PDS [m.n] notation.			
Namespace Id: pds	Steward: pds	Class Name: Instrument_Host	Type: ASCII_Short_String_Collapsed
Minimum Value: None	Maximum Value: None	Minimum Characters: 1	Maximum Characters: 255
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: ID	Conceptual Domain: Short_String
Status: Deprecated	Nilable: false	Pattern: ([0-9]+)(\.)\{1\}([0-9]+)	
Permissible Value(s)	No Values		

## version\_id in Modification\_Detail

<b>Name: version_id</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The version_id attribute provides the version of the product, expressed in the PDS [m.n] notation.			
Namespace Id: pds	Steward: pds	Class Name: Modification_Detail	Type: ASCII_Short_String_Collapsed
Minimum Value: None	Maximum Value: None	Minimum Characters: 1	Maximum Characters: 255
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: ID	Conceptual Domain: Short_String
Status: Active	Nilable: false	Pattern: ([0-9]+)(\.)\{1\}([0-9]+)	
Permissible Value(s)	No Values		

## version\_id in Service

<b>Name: version_id</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The version_id attribute provides the version of the product, expressed in the PDS [m.n] notation.			
Namespace Id: pds	Steward: ops	Class Name: Service	Type: ASCII_Short_String_Collapsed
Minimum Value: None	Maximum Value: None	Minimum Characters: 1	Maximum Characters: 255

<b>Name: version_id</b>			<b>Version Id: 1.0.0.0</b>
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> None
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	No Values		

## version\_id in Software \*Deprecated\*

<b>Name: version_id *Deprecated*</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The version_id attribute provides the version of the product, expressed in the PDS [m.n] notation.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> Software	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> ID	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Deprecated	<i>Nillable:</i> false	<i>Pattern:</i> ([0-9]+)(\.)\{1\}([0-9]+)	
<i>Permissible Value(s)</i>	No Values		

## volume\_de\_fullname in Volume\_PDS3

<b>Name: volume_de_fullname</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The volume_de_fullname attribute provide the full name of the data engineer.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> Volume_PDS3	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	No Values		

## volume\_format in Volume\_PDS3

<b>Name: volume_format</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The volume_format attribute identifies the logical format used in writing a data volume.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> Volume_PDS3	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Format	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	No Values		

## volume\_id in Volume\_PDS3

<b>Name: volume_id</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The volume_id attribute provides a unique identifier for a data volume. Example: MG_1001.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> Volume_PDS3	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> ID	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## volume\_name in Volume\_PDS3

<b>Name: volume_name</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The volume_name attribute contains the name of a data volume.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> Volume_PDS3	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Name	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## volume\_series\_name in Volume\_Set\_PDS3

<b>Name: volume_series_name</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The volume_series_name element provides a full, formal name that describes a broad categorization of data products or data sets related to a planetary body or a research campaign (e.g. International Halley Watch). A volume series consists of one or more volume sets that represent data from one or more missions or campaigns.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> Volume_Set_PDS3	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Name	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		



## volume\_set\_id in Volume\_PDS3

<b>Name: volume_set_id</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The volume_set_id attribute identifies a data volume or a set of volumes. Volume sets are normally considered as a single orderable entity. Examples: USA_NASA_PDS_MG_1001, USA_NASA_PDS_GR_0001_TO_GR_0009			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> Volume_PDS3	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> ID	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## volume\_set\_id in Volume\_Set\_PDS3

<b>Name: volume_set_id</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The volume_set_id attribute identifies a data volume or a set of volumes. Volume sets are normally considered as a single orderable entity. Examples: USA_NASA_PDS_MG_1001, USA_NASA_PDS_GR_0001_TO_GR_0009			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> Volume_Set_PDS3	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> ID	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## volume\_set\_name in Volume\_Set\_PDS3

<b>Name: volume_set_name</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The volume_set_name element provides the full, formal name of one or more data volumes containing a single data set or a collection of related data sets. Volume sets are normally considered as a single orderable entity.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> Volume_Set_PDS3	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Name	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## volume\_size in Volume\_PDS3

<b>Name: volume_size</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The volume size attribute provide the number of bytes in the volume.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> Volume_PDS3	<i>Type:</i> ASCII_NonNegative_Integer
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Size	<i>Conceptual Domain:</i> Integer
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## volume\_version\_id in Volume\_PDS3

<b>Name: volume_version_id</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The volume_version_id attribute identifies the version of a data volume. All original volumes should use a volume_version_id of 'Version 1'.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> Volume_PDS3	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> ID	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## volumes in Volume\_Set\_PDS3

<b>Name: volumes</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The volumes element provides the number of physical data volumes contained in a volume set.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> Volume_Set_PDS3	<i>Type:</i> ASCII_Integer
<i>Minimum Value:</i> 0	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Count	<i>Conceptual Domain:</i> Integer
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## wavelength\_range in Science\_Facets

<b>Name: wavelength_range</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The wavelength range attribute specifies the wavelength range over which the data were collected or which otherwise characterizes the observation(s). Boundaries are vague, and there is overlap.			

Attributes in the common  
(pds) namespace.

<b>Name: wavelength_range</b>			<b>Version Id: 1.0.0.0</b>
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Science_Facets	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> None
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	Far Infrared	The wavelength is between approximately 30 and 300 micrometers	
	Gamma Ray	The wavelength is less than approximately 0.01 nm	
	Infrared	The wavelength is between approximately 0.75 and 300 micrometers	
	Microwave	The wavelength is between millimeters and approximately one meter	
	Millimeter	The wavelength is between approximately one and a few millimeters	
	Near Infrared	The wavelength is between approximately 0.65 and 5.0 micrometers	
	Radio	The wavelength is between millimeters and hundreds of thousands of meters	
	Submillimeter	The wavelength is between approximately 0.3 and 1.0 millimeters	
	Ultraviolet	The wavelength is between approximately 10 and 400 nm	
	Visible	The wavelength is between approximately 390 and 700 nm	
	X-ray	The wavelength is between approximately 0.01 and 10 nm	

## x in Vector\_Cartesian\_3

<b>Name: x</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The x attribute provides the value of the x coordinate in a position vector.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Vector_Cartesian_3	<i>Type:</i> ASCII_Real
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Number	<i>Conceptual Domain:</i> Real
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## xml\_schema\_base\_type in ASCII\_AnyURI

<b>Name:</b> xml_schema_base_type			<b>Version Id:</b> 1.0.0.0
<i>Description:</i> The xml schema base type attribute provides the data type needed for the XML schema implementation.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> ASCII_AnyURI	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Type	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	xsd:anyURI	ASCII_AnyURI has an XML schema base type of xsd:anyURI	

## xml\_schema\_base\_type in ASCII\_Boolean

<b>Name:</b> xml_schema_base_type			<b>Version Id:</b> 1.0.0.0
<i>Description:</i> The xml schema base type attribute provides the data type needed for the XML schema implementation.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> ASCII_Boolean	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Type	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	xsd:boolean	ASCII_Boolean has an XML schema base type of xsd:boolean	

## xml\_schema\_base\_type in ASCII\_DOI

<b>Name:</b> xml_schema_base_type			<b>Version Id:</b> 1.0.0.0
<i>Description:</i> The xml schema base type attribute provides the data type needed for the XML schema implementation.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> ASCII_DOI	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Type	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	xsd:string	ASCII_DOI has an XML schema base type of xsd:string	

## xml\_schema\_base\_type in ASCII\_Date \*Deprecated\*

<b>Name:</b> xml_schema_base_type		<b>Version Id:</b> 1.0.0.0	
<i>Description:</i> The xml schema base type attribute provides the data type needed for the XML schema implementation.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> ASCII_Date *Deprecated*	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Type	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	xsd:string	ASCII_Date has an XML schema base type of xsd:string	

## xml\_schema\_base\_type in ASCII\_Date\_DOY

<b>Name:</b> xml_schema_base_type		<b>Version Id:</b> 1.0.0.0	
<i>Description:</i> The xml schema base type attribute provides the data type needed for the XML schema implementation.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> ASCII_Date_DOY	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Type	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	xsd:string	ASCII_Date_DOY has an XML schema base type of xsd:string	

## xml\_schema\_base\_type in ASCII\_Date\_Time \*Deprecated\*

<b>Name:</b> xml_schema_base_type		<b>Version Id:</b> 1.0.0.0	
<i>Description:</i> The xml schema base type attribute provides the data type needed for the XML schema implementation.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> ASCII_Date_Time *Deprecated*	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Type	<i>Conceptual Domain:</i> Short_String

Attributes in the common  
(pds) namespace.

<b>Name: xml_schema_base_type</b>		<b>Version Id: 1.0.0.0</b>
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>
	xsd:string	ASCII_Date_Time has an XML schema base type of xsd:string

## xml\_schema\_base\_type in ASCII\_Date\_Time\_DOY

<b>Name: xml_schema_base_type</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The xml schema base type attribute provides the data type needed for the XML schema implementation.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> ASCII_Date_Time_DOY	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Type	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	xsd:string	ASCII_Date_Time_DOY has an XML schema base type of xsd:string	

## xml\_schema\_base\_type in ASCII\_Date\_Time\_DOY\_UTC

<b>Name: xml_schema_base_type</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The xml schema base type attribute provides the data type needed for the XML schema implementation.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> ASCII_Date_Time_DOY_UTC	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> None
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	xsd:string	ASCII_Date_Time_DOY_UTC has an XML schema base type of xsd:string	

## xml\_schema\_base\_type in ASCII\_Date\_Time\_UTC \*Deprecated\*

<b>Name:</b> xml_schema_base_type		<b>Version Id:</b> 1.0.0.0	
<i>Description:</i> The xml schema base type attribute provides the data type needed for the XML schema implementation.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> ASCII_Date_Time_UTC *Deprecated*	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Type	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	xsd:string	ASCII_Date_Time_UTC has an XML schema base type of xsd:string	

## xml\_schema\_base\_type in ASCII\_Date\_Time\_YMD

<b>Name:</b> xml_schema_base_type		<b>Version Id:</b> 1.0.0.0	
<i>Description:</i> The xml schema base type attribute provides the data type needed for the XML schema implementation.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> ASCII_Date_Time_YMD	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Type	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	xsd:string	ASCII_Date_Time_YMD has an XML schema base type of xsd:string	

## xml\_schema\_base\_type in ASCII\_Date\_Time\_YMD\_UTC

<b>Name:</b> xml_schema_base_type		<b>Version Id:</b> 1.0.0.0	
<i>Description:</i> The xml schema base type attribute provides the data type needed for the XML schema implementation.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> ASCII_Date_Time_YMD_UTC	<i>Type:</i> ASCII_Short_String_Collapsed

<b>Name: xml_schema_base_type</b>			<b>Version Id: 1.0.0.0</b>
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> None
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	xsd:string	ASCII_Date_Time_YMD_UTC has an XML schema base type of xsd:string	

## xml\_schema\_base\_type in ASCII\_Date\_YMD

<b>Name: xml_schema_base_type</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The xml schema base type attribute provides the data type needed for the XML schema implementation.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> ASCII_Date_YMD	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Type	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	xsd:string	ASCII_Date_YMD has an XML schema base type of xsd:string	

## xml\_schema\_base\_type in ASCII\_Directory\_Path\_Name

<b>Name: xml_schema_base_type</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The xml schema base type attribute provides the data type needed for the XML schema implementation.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> ASCII_Directory_Path_Name	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Type	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	xsd:token	ASCII_Directory_Path_Name has an XML schema base type of xsd:token	



## xml\_schema\_base\_type in ASCII\_File\_Name

<b>Name:</b> xml_schema_base_type		<b>Version Id:</b> 1.0.0.0	
<i>Description:</i> The xml schema base type attribute provides the data type needed for the XML schema implementation.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> ASCII_File_Name	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Type	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	xsd:token	ASCII_File_Name has an XML schema base type of xsd:token	

## xml\_schema\_base\_type in ASCII\_File\_Specification\_Name

<b>Name:</b> xml_schema_base_type		<b>Version Id:</b> 1.0.0.0	
<i>Description:</i> The xml schema base type attribute provides the data type needed for the XML schema implementation.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> ASCII_File_Specification_Name	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Type	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	xsd:token	ASCII_File_Specification_Name has an XML schema base type of xsd:token	

## xml\_schema\_base\_type in ASCII\_Integer

<b>Name:</b> xml_schema_base_type		<b>Version Id:</b> 1.0.0.0	
<i>Description:</i> The xml schema base type attribute provides the data type needed for the XML schema implementation.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> ASCII_Integer	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Type	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	

<b>Name:</b> xml_schema_base_type		<b>Version Id:</b> 1.0.0.0
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>
	xsd:integer	ASCII_Integer has an XML schema base type of xsd:integer

## xml\_schema\_base\_type in ASCII\_LID

<b>Name:</b> xml_schema_base_type		<b>Version Id:</b> 1.0.0.0	
<i>Description:</i> The xml schema base type attribute provides the data type needed for the XML schema implementation.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> ASCII_LID	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Type	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	xsd:string	ASCII_LID has an XML schema base type of xsd:string	

## xml\_schema\_base\_type in ASCII\_LIDVID

<b>Name:</b> xml_schema_base_type		<b>Version Id:</b> 1.0.0.0	
<i>Description:</i> The xml schema base type attribute provides the data type needed for the XML schema implementation.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> ASCII_LIDVID	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Type	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	xsd:string	ASCII_LIDVID has an XML schema base type of xsd:string	

## xml\_schema\_base\_type in ASCII\_LIDVID\_LID

<b>Name:</b> xml_schema_base_type		<b>Version Id:</b> 1.0.0.0	
<i>Description:</i> The xml schema base type attribute provides the data type needed for the XML schema implementation.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> ASCII_LIDVID_LID	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255

<b>Name: xml_schema_base_type</b>			<b>Version Id: 1.0.0.0</b>
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Type	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	xsd:string	ASCII_LIDVID_LID has an XML schema base type of xsd:string	

## xml\_schema\_base\_type in ASCII\_MD5\_Checksum

<b>Name: xml_schema_base_type</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The xml schema base type attribute provides the data type needed for the XML schema implementation.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> ASCII_MD5_Checksum	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Type	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	xsd:string	ASCII_MD5_Checksum has an XML schema base type xsd:string	

## xml\_schema\_base\_type in ASCII\_NonNegative\_Integer

<b>Name: xml_schema_base_type</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The xml schema base type attribute provides the data type needed for the XML schema implementation.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> ASCII_NonNegative_Integer	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Type	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	xsd:nonNegativeInteger	ASCII_NonNegative_Integer has an XML schema base type xsd:nonNegativeInteger	

## xml\_schema\_base\_type in ASCII\_Numeric\_Base16

<b>Name:</b> xml_schema_base_type		<b>Version Id:</b> 1.0.0.0	
<i>Description:</i> The xml schema base type attribute provides the data type needed for the XML schema implementation.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> ASCII_Numeric_Base16	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Type	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	xsd:hexBinary	ASCII_Numeric_Base16 has an XML schema base type of xsd:hexBinary	

## xml\_schema\_base\_type in ASCII\_Numeric\_Base2

<b>Name:</b> xml_schema_base_type		<b>Version Id:</b> 1.0.0.0	
<i>Description:</i> The xml schema base type attribute provides the data type needed for the XML schema implementation.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> ASCII_Numeric_Base2	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Type	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	xsd:string	ASCII_Numeric_Base2 has an XML schema base type of xsd:string	

## xml\_schema\_base\_type in ASCII\_Numeric\_Base8

<b>Name:</b> xml_schema_base_type		<b>Version Id:</b> 1.0.0.0	
<i>Description:</i> The xml schema base type attribute provides the data type needed for the XML schema implementation.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> ASCII_Numeric_Base8	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255

<b>Name: xml_schema_base_type</b>			<b>Version Id: 1.0.0.0</b>
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Type	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	xsd:string	ASCII_Numeric_Base8 has an XML schema base type of xsd:string	

## xml\_schema\_base\_type in ASCII\_Real

<b>Name: xml_schema_base_type</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The xml schema base type attribute provides the data type needed for the XML schema implementation.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> ASCII_Real	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Type	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	xsd:double	ASCII_Real has an XML schema base type of xsd:double	

## xml\_schema\_base\_type in ASCII\_Short\_String\_Collapsed

<b>Name: xml_schema_base_type</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The xml schema base type attribute provides the data type needed for the XML schema implementation.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> ASCII_Short_String_Collapsed	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Type	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	xsd:token	ASCII_Short_String_Collapsed has an XML schema base type of xsd:token	

## xml\_schema\_base\_type in ASCII\_Short\_String\_Preserved

<b>Name:</b> xml_schema_base_type			<b>Version Id:</b> 1.0.0.0
<i>Description:</i> The xml schema base type attribute provides the data type needed for the XML schema implementation.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> ASCII_Short_String_Preserved	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Type	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	xsd:string	ASCII_Short_String_Preserved has an XML schema base type of xsd:string	

## xml\_schema\_base\_type in ASCII\_String

<b>Name:</b> xml_schema_base_type			<b>Version Id:</b> 1.0.0.0
<i>Description:</i> The xml schema base type attribute provides the data type needed for the XML schema implementation.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> ASCII_String	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Type	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	xsd:token	ASCII_String has an XML schema base type of xsd:token	

## xml\_schema\_base\_type in ASCII\_Text\_Collapsed

<b>Name:</b> xml_schema_base_type			<b>Version Id:</b> 1.0.0.0
<i>Description:</i> The xml schema base type attribute provides the data type needed for the XML schema implementation.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> ASCII_Text_Collapsed	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Type	<i>Conceptual Domain:</i> Short_String

<b>Name: xml_schema_base_type</b>		<b>Version Id: 1.0.0.0</b>
<i>Status:</i> Active	<i>Nilable:</i> false	<i>Pattern:</i> None
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>
	xsd:token	ASCII_Text_Collapsed has an XML schema base type of xsd:token

## xml\_schema\_base\_type in ASCII\_Text\_Preserved

<b>Name: xml_schema_base_type</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The xml schema base type attribute provides the data type needed for the XML schema implementation.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> ASCII_Text_Preserved	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Type	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nilable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	xsd:string	ASCII_Text_Preserved has an XML schema base type of xsd:token	

## xml\_schema\_base\_type in ASCII\_Time

<b>Name: xml_schema_base_type</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The xml schema base type attribute provides the data type needed for the XML schema implementation.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> ASCII_Time	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Type	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nilable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	xsd:string	ASCII_Time has an XML schema base type of xsd:string	

## xml\_schema\_base\_type in ASCII\_VID

<b>Name: xml_schema_base_type</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The xml schema base type attribute provides the data type needed for the XML schema implementation.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> ASCII_VID	<i>Type:</i> ASCII_Short_String_Collapsed

<b>Name: xml_schema_base_type</b>			<b>Version Id: 1.0.0.0</b>
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Type	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	xsd:string	ASCII_VID has an XML schema base type of xsd:string	

## xml\_schema\_base\_type in Character\_Data\_Type

<b>Name: xml_schema_base_type</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The xml schema base type attribute provides the data type needed for the XML schema implementation.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Character_Data_Type	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Type	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## xml\_schema\_base\_type in UTF8\_Short\_String\_Collapsed

<b>Name: xml_schema_base_type</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The xml schema base type attribute provides the data type needed for the XML schema implementation.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> UTF8_Short_String_Collapsed	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Type	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	xsd:token	UTF8_Short_String_Collapsed has an XML schema base type of xsd:token	



## xml\_schema\_base\_type in UTF8\_Short\_String\_Preserved

<b>Name:</b> xml_schema_base_type		<b>Version Id:</b> 1.0.0.0	
<i>Description:</i> The xml schema base type attribute provides the data type needed for the XML schema implementation.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> UTF8_Short_String_Preserved	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Type	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	xsd:string	UTF8_Short_String_Preserved has an XML schema base type of xsd:string	

## xml\_schema\_base\_type in UTF8\_String

<b>Name:</b> xml_schema_base_type		<b>Version Id:</b> 1.0.0.0	
<i>Description:</i> The xml schema base type attribute provides the data type needed for the XML schema implementation.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> UTF8_String	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Type	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	xsd:token	UTF8_String must be normalized.	

## xml\_schema\_base\_type in UTF8\_Text\_Preserved

<b>Name:</b> xml_schema_base_type		<b>Version Id:</b> 1.0.0.0	
<i>Description:</i> The xml schema base type attribute provides the data type needed for the XML schema implementation.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> UTF8_Text_Preserved	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Type	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	

<b>Name:</b> xml_schema_base_type		<b>Version Id:</b> 1.0.0.0
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>
	xsd:string	UTF8_Text_Preserved has an XML schema base type of xsd:string

## y in Vector\_Cartesian\_3

<b>Name:</b> y		<b>Version Id:</b> 1.0.0.0	
<i>Description:</i> The y attribute provides the value of the y coordinate in a position vector.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Vector_Cartesian_3	<i>Type:</i> ASCII_Real
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Number	<i>Conceptual Domain:</i> Real
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## z in Vector\_Cartesian\_3

<b>Name:</b> z		<b>Version Id:</b> 1.0.0.0	
<i>Description:</i> The z attribute provides the value of the z coordinate in a position vector.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Vector_Cartesian_3	<i>Type:</i> ASCII_Real
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Number	<i>Conceptual Domain:</i> Real
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

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# Chapter 9. Attributes in the Rings discipline namespace.

These attributes are used by the classes defined for the Rings namespace.

## SCLK\_start\_time in Radio\_Occultation

<b>Name: SCLK_start_time</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> SCLK_start_time is the value of the spacecraft clock corresponding to the start_date_time given in the label.			
<i>Namespace Id:</i> rings	<i>Steward:</i> rings	<i>Class Name:</i> Radio_Occultation	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> None
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## SCLK\_start\_time in Stellar\_Occultation

<b>Name: SCLK_start_time</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> SCLK_start_time is the value of the spacecraft clock corresponding to the start_date_time given in the label.			
<i>Namespace Id:</i> rings	<i>Steward:</i> rings	<i>Class Name:</i> Stellar_Occultation	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> None
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## SCLK\_stop\_time in Radio\_Occultation

<b>Name: SCLK_stop_time</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> SCLK_stop_time is the value of the spacecraft clock corresponding to the stop_date_time given in the label.			
<i>Namespace Id:</i> rings	<i>Steward:</i> rings	<i>Class Name:</i> Radio_Occultation	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> None
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	

<b>Name: SCLK_stop_time</b>		<b>Version Id: 1.0.0.0</b>
<i>Permissible Value(s)</i>	No Values	

## SCLK\_stop\_time in Stellar\_Occultation

<b>Name: SCLK_stop_time</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> SCLK_stop_time is the value of the spacecraft clock corresponding to the stop_date_time given in the label.			
<i>Namespace Id:</i> rings	<i>Steward:</i> rings	<i>Class Name:</i> Stellar_Occultation	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> None
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	No Values		

## along\_track\_timing\_offset in Radio\_Occultation

<b>Name: along_track_timing_offset</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> along_track_timing_offset is a timing offset to the along track spacecraft position. It is the value that minimizes differences in radii of matching circular ring features observed on the ingress and egress sides of the occultation track. Optional in labels for radio occultation. Nillable in which case the nil_reason should be 'inapplicable'.			
<i>Namespace Id:</i> rings	<i>Steward:</i> rings	<i>Class Name:</i> Radio_Occultation	<i>Type:</i> ASCII_Real
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> Units_of_Time	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> None
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	No Values		

## dsn\_station\_number in Radio\_Occultation

<b>Name: dsn_station_number</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> dsn_station_number identifies the receiving DSN station. Required in labels for radio occultations; not used for stellar occultations. Nillable in which case the nil_reason should be 'inapplicable'.			
<i>Namespace Id:</i> rings	<i>Steward:</i> rings	<i>Class Name:</i> Radio_Occultation	<i>Type:</i> ASCII_Integer
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> None

<b>Name: dsn_station_number</b>		<b>Version Id: 1.0.0.0</b>
Status: Active	Nillable: false	Pattern: None
Permissible Value(s)	No Values	

## dsn\_station\_number in Radio\_Occultation\_Support

<b>Name: dsn_station_number</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> dsn_station_number identifies the receiving DSN station. Required in labels for radio occultations; not used for stellar occultations. Nillable in which case the nil_reason should be 'inapplicable'.			
Namespace Id: rings	Steward: rings	Class Name: Radio_Occultation_Support	Type: ASCII_Integer
Minimum Value: None	Maximum Value: None	Minimum Characters: None	Maximum Characters: None
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: None	Conceptual Domain: None
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

## earth\_received\_start\_time\_utc in Radio\_Occultation

<b>Name: earth_received_start_time_utc</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> earth_received_start_time_utc gives the UTC time corresponding to the earliest time for the data product at which telemetry or other photons were received on Earth. Optional for occultation data. Nillable if the observation is not an occultation in which case the nil_reason should be 'inapplicable'.			
Namespace Id: rings	Steward: rings	Class Name: Radio_Occultation	Type: ASCII_Date_Time_YMD_UTC
Minimum Value: None	Maximum Value: None	Minimum Characters: None	Maximum Characters: None
Unit of Measure Type: Units_of_Time	Default Unit Id: None	Attribute Concept: None	Conceptual Domain: None
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

## earth\_received\_stop\_time\_utc in Radio\_Occultation

<b>Name: earth_received_stop_time_utc</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> earth_received_stop_time_utc gives the UTC time corresponding to the latest time for the data product at which telemetry or other photons were received on Earth. Optional for occultation data. Nillable if the observation is not an occultation in which case the nil_reason should be 'inapplicable'.			

<b>Name: earth_received_stop_time_utc</b>			<b>Version Id: 1.0.0.0</b>
<i>Namespace Id:</i> rings	<i>Steward:</i> rings	<i>Class Name:</i> Radio_Occultation	<i>Type:</i> ASCII_Date_Time_YMD_UTC
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> Units_of_Time	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> None
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## frequency\_band in Radio\_Occultation

<b>Name: frequency_band</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> frequency_band is the one or two letter identifier of the frequency band. Required in labels for radio occultations; not used for stellar occultations. Nillable in which case the nil_reason should be 'inapplicable'.			
<i>Namespace Id:</i> rings	<i>Steward:</i> rings	<i>Class Name:</i> Radio_Occultation	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> None
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	C	Frequency range: 5.85 to 8.20 GHz	
	D	Frequency range: 2.20 to 3.30 GHz	
	E	Frequency range: 3.30 to 4.90 GHz	
	F	Frequency range: 4.90 to 7.05 GHz	
	G	Frequency range: 3.95 to 5.85 GHz	
	H	Frequency range: 7.05 to 10.10 GHz	
	K	Frequency range: 5.0 to 26.5 GHz	
	Ka	Frequency range: 26.5 to 40.0 GHz	
	Ku	Frequency range: 12.4 to 18.0 GHz	
	Q	Frequency range: 33 to 50 GHz	
	R	Frequency range: 1.70 to 2.60 GHz	
	S	Frequency range: 2.60 to 3.95 GHz	
	U	Frequency range: 40 to 60 GHz	
	V	Frequency range: 50 to 75 GHz	
	W	Frequency range: 75 to 110 GHz	
	X	Frequency range: 8.2 to 12.4 GHz	
	Y	Frequency range: 325 to 500 GHz	

## frequency\_band in Radio\_Occultation\_Support

<b>Name: frequency_band</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> frequency_band is the one or two letter identifier of the frequency band. Required in labels for radio occultations; not used for stellar occultations. Nillable in which case the nil_reason should be 'inapplicable'.			
<i>Namespace Id:</i> rings	<i>Steward:</i> rings	<i>Class Name:</i> Radio_Occultation_Support	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> None
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	C	Frequency range: 5.85 to 8.20 GHz	
	D	Frequency range: 2.20 to 3.30 GHz	
	E	Frequency range: 3.30 to 4.90 GHz	
	F	Frequency range: 4.90 to 7.05 GHz	
	G	Frequency range: 3.95 to 5.85 GHz	
	H	Frequency range: 7.05 to 10.10 GHz	
	K	Frequency range: 5.0 to 26.5 GHz	
	Ka	Frequency range: 26.5 to 40.0 GHz	
	Ku	Frequency range: 12.4 to 18.0 GHz	
	Q	Frequency range: 33 to 50 GHz	
	R	Frequency range: 1.70 to 2.60 GHz	
	S	Frequency range: 2.60 to 3.95 GHz	
	U	Frequency range: 40 to 60 GHz	
	V	Frequency range: 50 to 75 GHz	
	W	Frequency range: 75 to 110 GHz	
	X	Frequency range: 8.2 to 12.4 GHz	
	Y	Frequency range: 325 to 500 GHz	

## highest\_detectable\_opacity in Radio\_Occultation

<b>Name: highest_detectable_opacity</b>		<b>Version Id: 1.0.0.0</b>
<i>Description:</i> highest_detectable_opacity indicates the sensitivity of a ring occultation data set to nearly opaque rings. It specifies the rough value for the largest normal ring opacity that can be detected in the data at the resolution provided, incorporating both statistical effects and calibration uncertainties. Strongly recommended in labels of ring occultation observations. Nillable if the observation is not a ring occultation in which case the nil_reason should be 'inapplicable'. Not intended as a value for a table field.		

<b>Name: highest_detectable_opacity</b>			<b>Version Id: 1.0.0.0</b>
<i>Namespace Id:</i> rings	<i>Steward:</i> rings	<i>Class Name:</i> Radio_Occultation	<i>Type:</i> ASCII_Real
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> None
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## highest\_detectable\_opacity in Stellar\_Occultation

<b>Name: highest_detectable_opacity</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> highest_detectable_opacity indicates the sensitivity of a ring occultation data set to nearly opaque rings. It specifies the rough value for the largest normal ring opacity that can be detected in the data at the resolution provided, incorporating both statistical effects and calibration uncertainties. Strongly recommended in labels of ring occultation observations. Nillable if the observation is not a ring occultation in which case the nil_reason should be 'inapplicable'. Not intended as a value for a table field.			
<i>Namespace Id:</i> rings	<i>Steward:</i> rings	<i>Class Name:</i> Stellar_Occultation	<i>Type:</i> ASCII_Real
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> None
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## light\_source\_incidence\_angle in Radio\_Occultation

<b>Name: light_source_incidence_angle</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> light_source_incidence_angle is an angle measured from the local surface normal vector to the direction of a photon arriving from the light source. For rings, the normal vector is that on the same side of the rings as the light source, so values always range between 0 and 90 in units of degrees. The value is always equal to $90 -  \text{observed\_ring\_elevation} $ . This will enable users to perform database searches based on the effective ring opening angle when they are not concerned about the the distinction between north-side and southside viewpoints. We have included the 'light source' prefix to the term so that this quantity is not confused with 'incidence angle', a term that is generally associated with sunlight rather than stars or radio transmitters. Required in the label if the value is constant for the observation. If the angle varies for the observation, the min and max attributes are required in the label. Optional as a field in the data table. Nillable, in which case the nil_reason should be 'inapplicable'.			
<i>Namespace Id:</i> rings	<i>Steward:</i> rings	<i>Class Name:</i> Radio_Occultation	<i>Type:</i> ASCII_Real
<i>Minimum Value:</i> -90	<i>Maximum Value:</i> 90	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None



<b>Name: light_source_incidence_angle</b>			<b>Version Id: 1.0.0.0</b>
<i>Unit of Measure Type:</i> Units_of_Angle	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> None
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	No Values		

## light\_source\_incidence\_angle in Stellar\_Occultation

<b>Name: light_source_incidence_angle</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> light_source_incidence_angle is an angle measured from the local surface normal vector to the direction of a photon arriving from the light source. For rings, the normal vector is that on the same side of the rings as the light source, so values always range between 0 and 90 in units of degrees. The value is always equal to $90 -  \text{observed\_ring\_elevation} $ . This will enable users to perform database searches based on the effective ring opening angle when they are not concerned about the the distinction between north-side and southside viewpoints. We have included the 'light source' prefix to the term so that this quantity is not confused with 'incidence angle', a term that is generally associated with sunlight rather than stars or radio transmitters. Required in the label if the value is constant for the observation. If the angle varies for the observation, the min and max attributes are required in the label. Optional as a field in the data table. Nillable, in which case the nil_reason should be 'inapplicable'.			
<i>Namespace Id:</i> rings	<i>Steward:</i> rings	<i>Class Name:</i> Stellar_Occultation	<i>Type:</i> ASCII_Real
<i>Minimum Value:</i> -90	<i>Maximum Value:</i> 90	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> Units_of_Angle	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> None
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	No Values		

## lowest\_detectable\_opacity in Radio\_Occultation

<b>Name: lowest_detectable_opacity</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> lowest_detectable_opacity indicates the sensitivity of a ring occultation data set to nearly opaque rings. It specifies the rough value for the smallest normal ring opacity that can be detected in the data at the resolution provided, incorporating both statistical effects and calibration uncertainties. Strongly recommended in labels of ring occultation observations. Nillable if the observation is not a ring occultation in which case the nil_reason should be 'inapplicable'. Not intended as a value for a table field.			
<i>Namespace Id:</i> rings	<i>Steward:</i> rings	<i>Class Name:</i> Radio_Occultation	<i>Type:</i> ASCII_Real
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> None
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	No Values		

## lowest\_detectable\_opacity in Stellar\_ Occultation

<b>Name:</b> lowest_detectable_opacity		<b>Version Id:</b> 1.0.0.0	
<i>Description:</i> lowest_detectable_opacity indicates the sensitivity of a ring occultation data set to nearly opaque rings. It specifies the rough value for the smallest normal ring opacity that can be detected in the data at the resolution provided, incorporating both statistical effects and calibration uncertainties. Strongly recommended in labels of ring occultation observations. Nillable if the observation is not a ring occultation in which case the nil_reason should be 'inapplicable'. Not intended as a value for a table field.			
<i>Namespace Id:</i> rings	<i>Steward:</i> rings	<i>Class Name:</i> Stellar_ Occultation	<i>Type:</i> ASCII_Real
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> None
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	No Values		

## maximum\_light\_source\_incidence\_angle in Radio\_Occultation

<b>Name:</b> maximum_light_source_incidence_angle		<b>Version Id:</b> 1.0.0.0	
<i>Description:</i> maximum_light_source_incidence_angle specifies the largest value for observed_ring_elevation in the observation. Only used if the value is not constant over the observation. Values range from 0 to +90 in units of degrees. Not intended for use in the data file. Nillable, in which case the nil_reason should be 'inapplicable'.			
<i>Namespace Id:</i> rings	<i>Steward:</i> rings	<i>Class Name:</i> Radio_ Occultation	<i>Type:</i> ASCII_Real
<i>Minimum Value:</i> 0	<i>Maximum Value:</i> 90	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> Units_of_Angle	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> None
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	No Values		

## maximum\_observed\_event\_time in Radio\_ Occultation\_Support

<b>Name:</b> maximum_observed_event_time		<b>Version Id:</b> 1.0.0.0	
<i>Description:</i> maximum_observed_event_time indicates the value for latest time in the described data, and is given in observed_event_tdb format.			
<i>Namespace Id:</i> rings	<i>Steward:</i> rings	<i>Class Name:</i> Radio_ Occultation_Support	<i>Type:</i> ASCII_Real
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None

<b>Name: maximum_observed_event_time</b>			<b>Version Id: 1.0.0.0</b>
<i>Unit of Measure Type:</i> Units_of_Time	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> None
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	No Values		

## maximum\_observed\_ring\_azimuth in Radio\_Occultation

<b>Name: maximum_observed_ring_azimuth</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> maximum_observed_ring_azimuth specifies the largest value for observed_ring_azimuth in the data file. Values range from 0 to 360 in units of degrees. Required in label files for ring occultation data. Nillable if the observation is not a ring occultation in which case the nil_reason should be 'inapplicable'.			
<i>Namespace Id:</i> rings	<i>Steward:</i> rings	<i>Class Name:</i> Radio_Occultation	<i>Type:</i> ASCII_Real
<i>Minimum Value:</i> 0	<i>Maximum Value:</i> 360	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> Units_of_Angle	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> None
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	No Values		

## maximum\_observed\_ring\_azimuth in Stellar\_Occultation

<b>Name: maximum_observed_ring_azimuth</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> maximum_observed_ring_azimuth specifies the largest value for observed_ring_azimuth in the data file. Values range from 0 to 360 in units of degrees. Required in label files for ring occultation data. Nillable if the observation is not a ring occultation in which case the nil_reason should be 'inapplicable'.			
<i>Namespace Id:</i> rings	<i>Steward:</i> rings	<i>Class Name:</i> Stellar_Occultation	<i>Type:</i> ASCII_Real
<i>Minimum Value:</i> 0	<i>Maximum Value:</i> 360	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> Units_of_Angle	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> None
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	No Values		

## maximum\_observed\_ring\_elevation in Radio\_Occultation

<b>Name: maximum_observed_ring_elevation</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> maximum_observed_ring_elevation specifies the largest value for observed_ring_elevation in the data file. Only used if the value is not constant over the observation.			

<b>Name: maximum_observed_ring_elevation</b>			<b>Version Id: 1.0.0.0</b>
Values range from -90 to +90 in units of degrees. Not intended for use in the data file. Nillable, in which case the nil_reason should be 'inapplicable'.			
Namespace Id: rings	Steward: rings	Class Name: Radio_Occultation	Type: ASCII_Real
Minimum Value: -90	Maximum Value: 90	Minimum Characters: None	Maximum Characters: None
Unit of Measure Type: Units_of_Angle	Default Unit Id: None	Attribute Concept: None	Conceptual Domain: None
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

## maximum\_observed\_ring\_elevation in Stellar\_Occultation

<b>Name: maximum_observed_ring_elevation</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> maximum_observed_ring_elevation specifies the largest value for observed_ring_elevation in the data file. Only used if the value is not constant over the observation. Values range from -90 to +90 in units of degrees. Not intended for use in the data file. Nillable, in which case the nil_reason should be 'inapplicable'.			
Namespace Id: rings	Steward: rings	Class Name: Stellar_Occultation	Type: ASCII_Real
Minimum Value: -90	Maximum Value: 90	Minimum Characters: None	Maximum Characters: None
Unit of Measure Type: Units_of_Angle	Default Unit Id: None	Attribute Concept: None	Conceptual Domain: None
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

## maximum\_radial\_sampling\_interval in Radio\_Occultation

<b>Name: maximum_radial_sampling_interval</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> maximum_radial_sampling_interval indicates the smallest radial spacing between consecutive points in a ring profile. In practice, this may be somewhat smaller than the radial_resolution because a profile may be over-sampled. If the value of radial_sampling_interval varies, the minimum and maximum attributes are required in labels. Nillable if the observation is not a ring occultation in which case the nil_reason should be 'inapplicable'. Not intended to be used as a table field.			
Namespace Id: rings	Steward: rings	Class Name: Radio_Occultation	Type: ASCII_Real
Minimum Value: None	Maximum Value: None	Minimum Characters: None	Maximum Characters: None
Unit of Measure Type: Units_of_Length	Default Unit Id: None	Attribute Concept: None	Conceptual Domain: None
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

## maximum\_radial\_sampling\_interval in Stellar\_Occultation

<b>Name: maximum_radial_sampling_interval</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> maximum_radial_sampling_interval indicates the smallest radial spacing between consecutive points in a ring profile. In practice, this may be somewhat smaller than the radial_resolution because a profile may be over-sampled. If the value of radial_sampling_interval varies, the minimum and maximum attributes are required in labels. Nillable if the observation is not a ring occultation in which case the nil_reason should be 'inapplicable'. Not intended to be used as a table field.			
<i>Namespace Id:</i> rings	<i>Steward:</i> rings	<i>Class Name:</i> Stellar_Occultation	<i>Type:</i> ASCII_Real
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> Units_of_Length	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> None
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## maximum\_ring\_longitude in Radio\_Occultation

<b>Name: maximum_ring_longitude</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> maximum_ring_longitude specifies one boundary for the ring longitude range in the data; normally the largest value. However, for ranges that cross the prime meridian, the maximum ring longitude will have a value less than the minimum ring longitude. Values range from 0 to 360 in units of degrees. Required in label files for ring occultation data. Nillable if the observation is not a ring occultation in which case the nil_reason should be 'inapplicable'.			
<i>Namespace Id:</i> rings	<i>Steward:</i> rings	<i>Class Name:</i> Radio_Occultation	<i>Type:</i> ASCII_Real
<i>Minimum Value:</i> 0	<i>Maximum Value:</i> 360	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> Units_of_Angle	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> None
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## maximum\_ring\_longitude in Stellar\_Occultation

<b>Name: maximum_ring_longitude</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> maximum_ring_longitude specifies one boundary for the ring longitude range in the data; normally the largest value. However, for ranges that cross the prime meridian, the maximum ring longitude will have a value less than the minimum ring longitude. Values range from 0 to 360 in units of degrees. Required in label files for ring occultation data. Nillable if the observation is not a ring occultation in which case the nil_reason should be 'inapplicable'.			

<b>Name: maximum_ring_longitude</b>			<b>Version Id: 1.0.0.0</b>
Namespace Id: rings	Steward: rings	Class Name: Stellar_Occultation	Type: ASCII_Real
Minimum Value: 0	Maximum Value: 360	Minimum Characters: None	Maximum Characters: None
Unit of Measure Type: Units_of_Angle	Default Unit Id: None	Attribute Concept: None	Conceptual Domain: None
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

## maximum\_ring\_radius in Radio\_Occultation

<b>Name: maximum_ring_radius</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> maximum_ring_radius indicates the largest ring radius value in the data table. Units are km and are always positive. Required in label files for ring occultation data. Nillable if the observation is not a ring occultation in which case the nil_reason should be 'inapplicable'.			
Namespace Id: rings	Steward: rings	Class Name: Radio_Occultation	Type: ASCII_Real
Minimum Value: None	Maximum Value: None	Minimum Characters: None	Maximum Characters: None
Unit of Measure Type: Units_of_Length	Default Unit Id: None	Attribute Concept: None	Conceptual Domain: None
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

## maximum\_ring\_radius in Stellar\_Occultation

<b>Name: maximum_ring_radius</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> maximum_ring_radius indicates the largest ring radius value in the data table. Units are km and are always positive. Required in label files for ring occultation data. Nillable if the observation is not a ring occultation in which case the nil_reason should be 'inapplicable'.			
Namespace Id: rings	Steward: rings	Class Name: Stellar_Occultation	Type: ASCII_Real
Minimum Value: None	Maximum Value: None	Minimum Characters: None	Maximum Characters: None
Unit of Measure Type: Units_of_Length	Default Unit Id: None	Attribute Concept: None	Conceptual Domain: None
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

## maximum\_wavelength in Radio\_Occultation

<b>Name: maximum_wavelength</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> maximum_wavelength is the largest wavelength used in the observation. Optional in labels. Used with minimum_wavelength when the observation is over a wavelength range. Nillable in which case the nil_reason should be 'inapplicable'.			
Namespace Id: rings	Steward: rings	Class Name: Radio_Occultation	Type: ASCII_Real

<b>Name: maximum_wavelength</b>			<b>Version Id: 1.0.0.0</b>
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> Units_of_Length	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> None
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## maximum\_wavelength in Stellar\_Occultation

<b>Name: maximum_wavelength</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> maximum_wavelength is the largest wavelength used in the observation. Optional in labels. Used with minimum_wavelength when the observation is over a wavelength range. Nillable in which case the nil_reason should be 'inapplicable'.			
<i>Namespace Id:</i> rings	<i>Steward:</i> rings	<i>Class Name:</i> Stellar_Occultation	<i>Type:</i> ASCII_Real
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> Units_of_Length	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> None
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## minimum\_light\_source\_incidence\_angle in Radio\_Occultation

<b>Name: minimum_light_source_incidence_angle</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> minimum_light_source_incidence_angle specifies the smallest value for observed_ring_elevation in the observation. Only used if the value is not constant over the observation. Values range from 0 to +90 in units of degrees. Not intended for use in the data file. Nillable, in which case the nil_reason should be 'inapplicable'.			
<i>Namespace Id:</i> rings	<i>Steward:</i> rings	<i>Class Name:</i> Radio_Occultation	<i>Type:</i> ASCII_Real
<i>Minimum Value:</i> 0	<i>Maximum Value:</i> 90	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> Units_of_Angle	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> None
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## minimum\_observed\_event\_time in Radio\_Occultation\_Support

<b>Name: minimum_observed_event_time</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> minimum_observed_event_time indicates the value for earliest time in the described data, and is given in observed_event_tdb format.			

<b>Name: minimum_observed_event_time</b>			<b>Version Id: 1.0.0.0</b>
<i>Namespace Id:</i> rings	<i>Steward:</i> rings	<i>Class Name:</i> Radio_Occultation_Support	<i>Type:</i> ASCII_Real
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> Units_of_Time	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> None
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## minimum\_observed\_ring\_azimuth in Radio\_Occultation

<b>Name: minimum_observed_ring_azimuth</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> minimum_observed_ring_azimuth specifies the smallest value for observed_ring_azimuth in the data file. Values range from 0 to 360 in units of degrees. Required in label files for ring occultation data. Nillable if the observation is not a ring occultation in which case the nil_reason should be 'inapplicable'.			
<i>Namespace Id:</i> rings	<i>Steward:</i> rings	<i>Class Name:</i> Radio_Occultation	<i>Type:</i> ASCII_Real
<i>Minimum Value:</i> 0	<i>Maximum Value:</i> 360	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> Units_of_Angle	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> None
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## minimum\_observed\_ring\_azimuth in Stellar\_Occultation

<b>Name: minimum_observed_ring_azimuth</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> minimum_observed_ring_azimuth specifies the smallest value for observed_ring_azimuth in the data file. Values range from 0 to 360 in units of degrees. Required in label files for ring occultation data. Nillable if the observation is not a ring occultation in which case the nil_reason should be 'inapplicable'.			
<i>Namespace Id:</i> rings	<i>Steward:</i> rings	<i>Class Name:</i> Stellar_Occultation	<i>Type:</i> ASCII_Real
<i>Minimum Value:</i> 0	<i>Maximum Value:</i> 360	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> Units_of_Angle	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> None
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		



## minimum\_observed\_ring\_elevation in Radio\_Occultation

<b>Name:</b> minimum_observed_ring_elevation			<b>Version Id:</b> 1.0.0.0
<i>Description:</i> minimum_observed_ring_elevation specifies the smallest value for observed_ring_elevation in the data file. Only used if the value is not constant over the observation. Values range from -90 to +90 in units of degrees. Not intended for use in the data file. Nillable, in which case the nil_reason should be 'inapplicable'.			
<i>Namespace Id:</i> rings	<i>Steward:</i> rings	<i>Class Name:</i> Radio_Occultation	<i>Type:</i> ASCII_Real
<i>Minimum Value:</i> -90	<i>Maximum Value:</i> 90	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> Units_of_Angle	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> None
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## minimum\_observed\_ring\_elevation in Stellar\_Occultation

<b>Name:</b> minimum_observed_ring_elevation			<b>Version Id:</b> 1.0.0.0
<i>Description:</i> minimum_observed_ring_elevation specifies the smallest value for observed_ring_elevation in the data file. Only used if the value is not constant over the observation. Values range from -90 to +90 in units of degrees. Not intended for use in the data file. Nillable, in which case the nil_reason should be 'inapplicable'.			
<i>Namespace Id:</i> rings	<i>Steward:</i> rings	<i>Class Name:</i> Stellar_Occultation	<i>Type:</i> ASCII_Real
<i>Minimum Value:</i> -90	<i>Maximum Value:</i> 90	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> Units_of_Angle	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> None
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## minimum\_radial\_sampling\_interval in Radio\_Occultation

<b>Name:</b> minimum_radial_sampling_interval			<b>Version Id:</b> 1.0.0.0
<i>Description:</i> minimum_radial_sampling_interval indicates the smallest radial spacing between consecutive points in a ring profile. In practice, this may be somewhat smaller than the radial_resolution because a profile may be over-sampled. If the value of radial_sampling_interval varies, the minimum and maximum attributes are required in labels. Nillable if the observation is not a ring occultation in which case the nil_reason should be 'inapplicable'. Not intended to be used as a table field.			
<i>Namespace Id:</i> rings	<i>Steward:</i> rings	<i>Class Name:</i> Radio_Occultation	<i>Type:</i> ASCII_Real

<b>Name: minimum_radial_sampling_interval</b>			<b>Version Id: 1.0.0.0</b>
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> Units_of_Length	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> None
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	No Values		

## minimum\_radial\_sampling\_interval in Stellar\_Occultation

<b>Name: minimum_radial_sampling_interval</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> minimum_radial_sampling_interval indicates the smallest radial spacing between consecutive points in a ring profile. In practice, this may be somewhat smaller than the radial_resolution because a profile may be over-sampled. If the value of radial_sampling_interval varies, the minimum and maximum attributes are required in labels. Nillable if the observation is not a ring occultation in which case the nil_reason should be 'inapplicable'. Not intended to be used as a table field.			
<i>Namespace Id:</i> rings	<i>Steward:</i> rings	<i>Class Name:</i> Stellar_Occultation	<i>Type:</i> ASCII_Real
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> Units_of_Length	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> None
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	No Values		

## minimum\_ring\_longitude in Radio\_Occultation

<b>Name: minimum_ring_longitude</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> minimum_ring_longitude specifies one boundary for the ring longitude range in the data; normally the smallest value. However, for ranges that cross the prime meridian, the minimum ring longitude will have a value greater than the maximum ring longitude. Values range from 0 to 360 in units of degrees. Required in label files for ring occultation data. Nillable if the observation is not a ring occultation in which case the nil_reason should be 'inapplicable'.			
<i>Namespace Id:</i> rings	<i>Steward:</i> rings	<i>Class Name:</i> Radio_Occultation	<i>Type:</i> ASCII_Real
<i>Minimum Value:</i> 0	<i>Maximum Value:</i> 360	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> Units_of_Angle	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> None
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	No Values		

## minimum\_ring\_longitude in Stellar\_Occultation

<b>Name: minimum_ring_longitude</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> minimum_ring_longitude specifies one boundary for the ring longitude range in the data; normally the smallest value. However, for ranges that cross the prime meridian, the minimum ring longitude will have a value greater than the maximum ring longitude. Values range from 0 to 360 in units of degrees. Required in label files for ring occultation data. Nillable if the observation is not a ring occultation in which case the nil_reason should be 'inapplicable'.			
<i>Namespace Id:</i> rings	<i>Steward:</i> rings	<i>Class Name:</i> Stellar_Occultation	<i>Type:</i> ASCII_Real
<i>Minimum Value:</i> 0	<i>Maximum Value:</i> 360	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> Units_of_Angle	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> None
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## minimum\_ring\_radius in Radio\_Occultation

<b>Name: minimum_ring_radius</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> minimum_ring_radius indicates the smallest ring radius value in the data table. Units are km and are always positive. Required in label files for ring occultation data. Nillable if the observation is not a ring occultation in which case the nil_reason should be 'inapplicable'.			
<i>Namespace Id:</i> rings	<i>Steward:</i> rings	<i>Class Name:</i> Radio_Occultation	<i>Type:</i> ASCII_Real
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> Units_of_Length	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> None
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## minimum\_ring\_radius in Stellar\_Occultation

<b>Name: minimum_ring_radius</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> minimum_ring_radius indicates the smallest ring radius value in the data table. Units are km and are always positive. Required in label files for ring occultation data. Nillable if the observation is not a ring occultation in which case the nil_reason should be 'inapplicable'.			
<i>Namespace Id:</i> rings	<i>Steward:</i> rings	<i>Class Name:</i> Stellar_Occultation	<i>Type:</i> ASCII_Real
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> Units_of_Length	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> None
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## minimum\_wavelength in Radio\_Occultation

<b>Name: minimum_wavelength</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> minimum_wavelength is the smallest wavelength used in the observation. Optional in labels. Used with maximum_wavelength when the observation is over a wavelength range. Nillable in which case the nil_reason should be 'inapplicable'.			
<i>Namespace Id:</i> rings	<i>Steward:</i> rings	<i>Class Name:</i> Radio_Occultation	<i>Type:</i> ASCII_Real
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> Units_of_Length	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> None
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## minimum\_wavelength in Stellar\_Occultation

<b>Name: minimum_wavelength</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> minimum_wavelength is the smallest wavelength used in the observation. Optional in labels. Used with maximum_wavelength when the observation is over a wavelength range. Nillable in which case the nil_reason should be 'inapplicable'.			
<i>Namespace Id:</i> rings	<i>Steward:</i> rings	<i>Class Name:</i> Stellar_Occultation	<i>Type:</i> ASCII_Real
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> Units_of_Length	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> None
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## observed\_event\_start\_tdb in Radio\_Occultation

<b>Name: observed_event_start_tdb</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> observed_event_start_tdb indicates the value for earliest time in the described data, and is given in observed_event_tdb format. Optional in labels; not intended for use as a table field.			
<i>Namespace Id:</i> rings	<i>Steward:</i> rings	<i>Class Name:</i> Radio_Occultation	<i>Type:</i> ASCII_Real
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> Units_of_Time	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> None
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## observed\_event\_start\_tdb in Stellar\_ Occultation

<b>Name: observed_event_start_tdb</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> observed_event_start_tdb indicates the value for earliest time in the described data, and is given in observed_event_tdb format. Optional in labels; not intended for use as a table field.			
<i>Namespace Id:</i> rings	<i>Steward:</i> rings	<i>Class Name:</i> Stellar_ Occultation	<i>Type:</i> ASCII_Real
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> Units_of_Time	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> None
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## observed\_event\_stop\_tdb in Radio\_ Occultation

<b>Name: observed_event_stop_tdb</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> observed_event_stop_tdb indicates the value for latest time in the described data, and is given in observed_event_tdb format. Optional in labels; not intended for use as a table field. Nillable if the observation is not an occultation in which case the nil_reason should be 'inapplicable'.			
<i>Namespace Id:</i> rings	<i>Steward:</i> rings	<i>Class Name:</i> Radio_ Occultation	<i>Type:</i> ASCII_Real
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> Units_of_Time	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> None
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## observed\_event\_stop\_tdb in Stellar\_ Occultation

<b>Name: observed_event_stop_tdb</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> observed_event_stop_tdb indicates the value for latest time in the described data, and is given in observed_event_tdb format. Optional in labels; not intended for use as a table field. Nillable if the observation is not an occultation in which case the nil_reason should be 'inapplicable'.			
<i>Namespace Id:</i> rings	<i>Steward:</i> rings	<i>Class Name:</i> Stellar_ Occultation	<i>Type:</i> ASCII_Real
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> Units_of_Time	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> None

<b>Name: observed_event_stop_tdb</b>		<b>Version Id: 1.0.0.0</b>
Status: Active	Nillable: false	Pattern: None
Permissible Value(s)	No Values	

## observed\_ring\_elevation in Radio\_ Occultation

<b>Name: observed_ring_elevation</b>		<b>Version Id: 1.0.0.0</b>	
<p><i>Description:</i> observed_ring_elevation is an angle measured at a point in the ring plane, starting from the ring plane to the direction of a photon heading to the observer. This angle is positive on the side of the ring plane defined by positive angular momentum, and negative on the opposite side. Values range from -90 to +90 in units of degrees. This angle is constant for stellar occultations, but may vary significantly during radio occultations. Note: The direction of positive angular momentum points toward the IAU-defined north side of the ring plane for Jupiter, Saturn and Neptune, but IAU-defined south side of the ring plane for Uranus. Required in the label if the value is constant for the observation. If the angle varies for the observation, the min and max attributes are required in the label, and observed_ring_elevation is strongly recommended as a field in the data table. Nillable, in which case the nil_reason should be 'inapplicable'. The above definition of observed_ring_elevation is equivalent to the most common usage of the term 'ring open angle', B.</p>			
Namespace Id: rings	Steward: rings	Class Name: Radio_ Occultation	Type: ASCII_Real
Minimum Value: -90	Maximum Value: 90	Minimum Characters: None	Maximum Characters: None
Unit of Measure Type: Units_of_Angle	Default Unit Id: None	Attribute Concept: None	Conceptual Domain: None
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

## observed\_ring\_elevation in Stellar\_ Occultation

<b>Name: observed_ring_elevation</b>		<b>Version Id: 1.0.0.0</b>	
<p><i>Description:</i> observed_ring_elevation is an angle measured at a point in the ring plane, starting from the ring plane to the direction of a photon heading to the observer. This angle is positive on the side of the ring plane defined by positive angular momentum, and negative on the opposite side. Values range from -90 to +90 in units of degrees. This angle is constant for stellar occultations, but may vary significantly during radio occultations. Note: The direction of positive angular momentum points toward the IAU-defined north side of the ring plane for Jupiter, Saturn and Neptune, but IAU-defined south side of the ring plane for Uranus. Required in the label if the value is constant for the observation. If the angle varies for the observation, the min and max attributes are required in the label, and observed_ring_elevation is strongly recommended as a field in the data table. Nillable, in which case the nil_reason should be 'inapplicable'. The above definition of observed_ring_elevation is equivalent to the most common usage of the term 'ring open angle', B.</p>			
Namespace Id: rings	Steward: rings	Class Name: Stellar_ Occultation	Type: ASCII_Real
Minimum Value: -90	Maximum Value: 90	Minimum Characters: None	Maximum Characters: None

<b>Name: observed_ring_elevation</b>			<b>Version Id: 1.0.0.0</b>
<i>Unit of Measure Type:</i> Units_of_Angle	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> None
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	No Values		

## occultation\_type in Radio\_Occultation

<b>Name: occultation_type</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> occultation_type distinguishes between three types of occultation experiments: Stellar, Solar, and Radio. Stellar occultations involve observing a star as a targeted ring or body passes in front, as seen from either a spacecraft or Earth-based observatory. Solar occultations are similar to stellar occultations except that the Sun is used in place of a star. Radio occultations typically involve observing the continuous-wave radio transmissions from a spacecraft as it passes behind the target as seen from a radio telescope on Earth or another spacecraft. Required in labels of occultation observations. Nillable if the observation is not an occultation in which case the nil_reason should be 'inapplicable'. Normally not intended as a value for a table field.			
<i>Namespace Id:</i> rings	<i>Steward:</i> rings	<i>Class Name:</i> Radio_Occultation	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> None
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	Radio	Radio occultation	
	Solar	Solar occultation	
	Stellar	Stellar occultation	

## occultation\_type in Radio\_Occultation\_Support

<b>Name: occultation_type</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> occultation_type distinguishes between three types of occultation experiments: Stellar, Solar, and Radio. Stellar occultations involve observing a star as a targeted ring or body passes in front, as seen from either a spacecraft or Earth-based observatory. Solar occultations are similar to stellar occultations except that the Sun is used in place of a star. Radio occultations typically involve observing the continuous-wave radio transmissions from a spacecraft as it passes behind the target as seen from a radio telescope on Earth or another spacecraft. Required in labels of occultation observations. Nillable if the observation is not an occultation in which case the nil_reason should be 'inapplicable'. Normally not intended as a value for a table field.			
<i>Namespace Id:</i> rings	<i>Steward:</i> rings	<i>Class Name:</i> Radio_Occultation_Support	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> None
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	

<b>Name: occultation_type</b>		<b>Version Id: 1.0.0.0</b>
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>
	Radio	Radio occultation
	Solar	Solar occultation
	Stellar	Stellar occultation

## occultation\_type in Stellar\_Occultation

<b>Name: occultation_type</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> occultation_type distinguishes between three types of occultation experiments: Stellar, Solar, and Radio. Stellar occultations involve observing a star as a targeted ring or body passes in front, as seen from either a spacecraft or Earth-based observatory. Solar occultations are similar to stellar occultations except that the Sun is used in place of a star. Radio occultations typically involve observing the continuous-wave radio transmissions from a spacecraft as it passes behind the target as seen from a radio telescope on Earth or another spacecraft. Required in labels of occultation observations. Nillable if the observation is not an occultation in which case the nil_reason should be 'inapplicable'. Normally not intended as a value for a table field.			
<i>Namespace Id:</i> rings	<i>Steward:</i> rings	<i>Class Name:</i> Stellar_Occultation	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> None
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	Radio	Radio occultation	
	Solar	Solar occultation	
	Stellar	Stellar occultation	

## orbit\_number in Radio\_Occultation

<b>Name: orbit_number</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> orbit_number if present is the value assigned by the mission for the orbit number associated with the observation. Optional in labels of occultation observations and may be used multiple times. Nillable, the nil_reason should be 'inapplicable'. Normally not intended as a value for a table field.			
<i>Namespace Id:</i> rings	<i>Steward:</i> rings	<i>Class Name:</i> Radio_Occultation	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> None
<i>Status:</i> Active	<i>Nillable:</i> true	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		



## orbit\_number in Radio\_Occultation\_Support

<b>Name: orbit_number</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> orbit_number if present is the value assigned by the mission for the orbit number associated with the observation. Optional in labels of occultation observations and may be used multiple times. Nillable, the nil_reason should be 'inapplicable'. Normally not intended as a value for a table field.			
<i>Namespace Id:</i> rings	<i>Steward:</i> rings	<i>Class Name:</i> Radio_Occultation_Support	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> None
<i>Status:</i> Active	<i>Nillable:</i> true	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## orbit\_number in Stellar\_Occultation

<b>Name: orbit_number</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> orbit_number if present is the value assigned by the mission for the orbit number associated with the observation. Optional in labels of occultation observations and may be used multiple times. Nillable, the nil_reason should be 'inapplicable'. Normally not intended as a value for a table field.			
<i>Namespace Id:</i> rings	<i>Steward:</i> rings	<i>Class Name:</i> Stellar_Occultation	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> None
<i>Status:</i> Active	<i>Nillable:</i> true	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## planetary\_occultation\_flag in Radio\_Occultation

<b>Name: planetary_occultation_flag</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The planetary_occultation_flag is a yes-or-no flag that indicates whether a ring occultation track also intersects the planet. Required in labels of ring occultation observations. Nillable if the observation is not an occultation in which case the nil_reason should be 'inapplicable'. Normally not intended as a value for a table field.			
<i>Namespace Id:</i> rings	<i>Steward:</i> rings	<i>Class Name:</i> Radio_Occultation	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 1
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> None
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	

<b>Name: planetary_occultation_flag</b>		<b>Version Id: 1.0.0.0</b>
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>
	N	The ring occultation track does not intersect the planet.
	Y	Some portion of the ring occultation track also intersects the planet.

## planetary\_occultation\_flag in Radio\_Occultation\_Support

<b>Name: planetary_occultation_flag</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The planetary_occultation_flag is a yes-or-no flag that indicates whether a ring occultation track also intersects the planet. Required in labels of ring occultation observations. Nillable if the observation is not an occultation in which case the nil_reason should be 'inapplicable'. Normally not intended as a value for a table field.			
<i>Namespace Id:</i> rings	<i>Steward:</i> rings	<i>Class Name:</i> Radio_Occultation_Support	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 1
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> None
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	N	The ring occultation track does not intersect the planet.	
	Y	Some portion of the ring occultation track also intersects the planet.	

## planetary\_occultation\_flag in Stellar\_Occultation

<b>Name: planetary_occultation_flag</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The planetary_occultation_flag is a yes-or-no flag that indicates whether a ring occultation track also intersects the planet. Required in labels of ring occultation observations. Nillable if the observation is not an occultation in which case the nil_reason should be 'inapplicable'. Normally not intended as a value for a table field.			
<i>Namespace Id:</i> rings	<i>Steward:</i> rings	<i>Class Name:</i> Stellar_Occultation	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 1
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> None
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	N	The ring occultation track does not intersect the planet.	

<b>Name: planetary_occultation_flag</b>		<b>Version Id: 1.0.0.0</b>
	Y	Some portion of the ring occultation track also intersects the planet.

## radial\_resolution in Radio\_Occultation

<b>Name: radial_resolution</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> radial_resolution indicates the nominal radial distance over which changes in ring properties can be detected within a data product. Note: this value may be larger than the radial_sampling_interval value, because a data product can be over-sampled. Required in labels if the value is fixed, as it is for stellar occultations. If the value varies, the corresponding minimum and maximum attributes must be used instead. Nillable if the observation is not a ring occultation in which case the nil_reason should be 'inapplicable'. Not intended to be used as a table field.			
<i>Namespace Id:</i> rings	<i>Steward:</i> rings	<i>Class Name:</i> Radio_Occultation	<i>Type:</i> ASCII_Real
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> Units_of_Length	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> None
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## radial\_resolution in Stellar\_Occultation

<b>Name: radial_resolution</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> radial_resolution indicates the nominal radial distance over which changes in ring properties can be detected within a data product. Note: this value may be larger than the radial_sampling_interval value, because a data product can be over-sampled. Required in labels if the value is fixed, as it is for stellar occultations. If the value varies, the corresponding minimum and maximum attributes must be used instead. Nillable if the observation is not a ring occultation in which case the nil_reason should be 'inapplicable'. Not intended to be used as a table field.			
<i>Namespace Id:</i> rings	<i>Steward:</i> rings	<i>Class Name:</i> Stellar_Occultation	<i>Type:</i> ASCII_Real
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> Units_of_Length	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> None
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## radial\_sampling\_interval in Radio\_Occultation

<b>Name: radial_sampling_interval</b>		<b>Version Id: 1.0.0.0</b>
<i>Description:</i> radial_sampling_interval indicates the radial spacing between consecutive points in a ring profile. In practice, this may be somewhat smaller than the radial_resolution because a profile may be over-sampled. Required in labels if the value is fixed. If the value varies, the corresponding minimum and and maximum attributes must be used instead. Nillable if the observation is not a		

<b>Name: radial_sampling_interval</b>			<b>Version Id: 1.0.0.0</b>
ring occultation in which case the nil_reason should be 'inapplicable'. Not intended to be used as a table field.			
<i>Namespace Id:</i> rings	<i>Steward:</i> rings	<i>Class Name:</i> Radio_Occultation	<i>Type:</i> ASCII_Real
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> Units_of_Length	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> None
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## radial\_sampling\_interval in Stellar\_Occultation

<b>Name: radial_sampling_interval</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> radial_sampling_interval indicates the radial spacing between consecutive points in a ring profile. In practice, this may be somewhat smaller than the radial_resolution because a profile may be over-sampled. Required in labels if the value is fixed. If the value varies, the corresponding minimum and and maximum attributes must be used instead. Nillable if the observation is not a ring occultation in which case the nil_reason should be 'inapplicable'. Not intended to be used as a table field.			
<i>Namespace Id:</i> rings	<i>Steward:</i> rings	<i>Class Name:</i> Stellar_Occultation	<i>Type:</i> ASCII_Real
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> Units_of_Length	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> None
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## reference\_time\_utc in Radio\_Occultation

<b>Name: reference_time_utc</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> reference_time_utc provides a date and time in UTC format. Given in a label when time values in a table are given as elapsed seconds offset from a reference time. Specifically required in the label for radio occultation data, but is not used for stellar occultation data. Required in the label for radio occultation data, or anytime spacecraft_event_time is a table field. Not used for stellar occultations. Nillable, the nil_reason should be 'inapplicable'.			
<i>Namespace Id:</i> rings	<i>Steward:</i> rings	<i>Class Name:</i> Radio_Occultation	<i>Type:</i> ASCII_Date_Time_YMD_UTC
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> None
<i>Status:</i> Active	<i>Nillable:</i> true	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## reference\_time\_utc in Radio\_Occultation\_Support

<b>Name:</b> reference_time_utc		<b>Version Id:</b> 1.0.0.0	
<i>Description:</i> reference_time_utc provides a date and time in UTC format. Given in a label when time values in a table are given as elapsed seconds offset from a reference time. Specifically required in the label for radio occultation data, but is not used for stellar occultation data. Required in the label for radio occultation data, or anytime spacecraft_event_time is a table field. Not used for stellar occultations. Nillable, the nil_reason should be 'inapplicable'.			
<i>Namespace Id:</i> rings	<i>Steward:</i> rings	<i>Class Name:</i> Radio_Occultation_Support	<i>Type:</i> ASCII_Date_Time_YMD_UTC
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> None
<i>Status:</i> Active	<i>Nillable:</i> true	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## ring\_event\_start\_tdb in Radio\_Occultation

<b>Name:</b> ring_event_start_tdb		<b>Version Id:</b> 1.0.0.0	
<i>Description:</i> ring_event_start_tdb indicates the value for earliest time in the described data, and is given in ring_event_tdb format. Optional in labels; not intended for use as a table field. Nillable if the observation is not a ring occultation in which case the nil_reason should be 'inapplicable'.			
<i>Namespace Id:</i> rings	<i>Steward:</i> rings	<i>Class Name:</i> Radio_Occultation	<i>Type:</i> ASCII_Real
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> Units_of_Time	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> None
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## ring\_event\_start\_tdb in Stellar\_Occultation

<b>Name:</b> ring_event_start_tdb		<b>Version Id:</b> 1.0.0.0	
<i>Description:</i> ring_event_start_tdb indicates the value for earliest time in the described data, and is given in ring_event_tdb format. Optional in labels; not intended for use as a table field. Nillable if the observation is not a ring occultation in which case the nil_reason should be 'inapplicable'.			
<i>Namespace Id:</i> rings	<i>Steward:</i> rings	<i>Class Name:</i> Stellar_Occultation	<i>Type:</i> ASCII_Real
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> Units_of_Time	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> None
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## ring\_event\_start\_time\_utc in Radio\_Occultation

<b>Name: ring_event_start_time_utc</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> ring_event_start_time_utc gives the UTC time corresponding to the earliest time given by ring_event_time or ring_event_tdb in the data table. ring_event_start_time_utc is required for all ring occultation data. ring_event_start_time_utc is required label attribute for all ring occultation data. Nillable if the observation is not a ring occultation in which case the nil_reason should be 'inapplicable'.			
<i>Namespace Id:</i> rings	<i>Steward:</i> rings	<i>Class Name:</i> Radio_Occultation	<i>Type:</i> ASCII_Date_Time_YMD_UTC
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> None
<i>Status:</i> Active	<i>Nillable:</i> true	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## ring\_event\_start\_time\_utc in Stellar\_Occultation

<b>Name: ring_event_start_time_utc</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> ring_event_start_time_utc gives the UTC time corresponding to the earliest time given by ring_event_time or ring_event_tdb in the data table. ring_event_start_time_utc is required for all ring occultation data. ring_event_start_time_utc is required label attribute for all ring occultation data. Nillable if the observation is not a ring occultation in which case the nil_reason should be 'inapplicable'.			
<i>Namespace Id:</i> rings	<i>Steward:</i> rings	<i>Class Name:</i> Stellar_Occultation	<i>Type:</i> ASCII_Date_Time_YMD_UTC
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> None
<i>Status:</i> Active	<i>Nillable:</i> true	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## ring\_event\_stop\_tdb in Radio\_Occultation

<b>Name: ring_event_stop_tdb</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> ring_event_stop_tdb indicates the value for latest time in the described data, and is given in ring_event_tdb format. Optional in labels; not intended for use as a table field. Nillable if the observation is not a ring occultation in which case the nil_reason should be 'inapplicable'.			
<i>Namespace Id:</i> rings	<i>Steward:</i> rings	<i>Class Name:</i> Radio_Occultation	<i>Type:</i> ASCII_Real
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None

<b>Name: ring_event_stop_tdb</b>			<b>Version Id: 1.0.0.0</b>
<i>Unit of Measure Type:</i> Units_of_Time	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> None
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	No Values		

## ring\_event\_stop\_tdb in Stellar\_Occultation

<b>Name: ring_event_stop_tdb</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> ring_event_stop_tdb indicates the value for latest time in the described data, and is given in ring_event_tdb format. Optional in labels; not intended for use as a table field. Nillable if the observation is not a ring occultation in which case the nil_reason should be 'inapplicable'.			
<i>Namespace Id:</i> rings	<i>Steward:</i> rings	<i>Class Name:</i> Stellar_Occultation	<i>Type:</i> ASCII_Real
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> Units_of_Time	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> None
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	No Values		

## ring\_event\_stop\_time\_utc in Radio\_Occultation

<b>Name: ring_event_stop_time_utc</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> ring_event_stop_time_utc gives the UTC time corresponding to the latest time given by ring_event_time or ring_event_tdb in the data table. ring_event_stop_time_utc is required for all ring occultation data. ring_event_stop_time_utc is required label attribute for all ring occultation data. Nillable if the observation is not a ring occultation in which case the nil_reason should be 'inapplicable'.			
<i>Namespace Id:</i> rings	<i>Steward:</i> rings	<i>Class Name:</i> Radio_Occultation	<i>Type:</i> ASCII_Date_Time_YMD_UTC
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> None
<i>Status:</i> Active	<i>Nillable:</i> true	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	No Values		

## ring\_event\_stop\_time\_utc in Stellar\_Occultation

<b>Name: ring_event_stop_time_utc</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> ring_event_stop_time_utc gives the UTC time corresponding to the latest time given by ring_event_time or ring_event_tdb in the data table. ring_event_stop_time_utc is required for all ring occultation data. ring_event_stop_time_utc is required label attribute for all ring occultation			

<b>Name: ring_event_stop_time_utc</b>			<b>Version Id: 1.0.0.0</b>
data. Nillable if the observation is not a ring occultation in which case the nil_reason should be 'inapplicable'.			
Namespace Id: rings	Steward: rings	Class Name: Stellar_Occultation	Type: ASCII_Date_Time_YMD_UTC
Minimum Value: None	Maximum Value: None	Minimum Characters: None	Maximum Characters: None
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: None	Conceptual Domain: None
Status: Active	Nillable: true	Pattern: None	
Permissible Value(s)	No Values		

## ring\_observation\_id in Radio\_Occultation

<b>Name: ring_observation_id</b>			<b>Version Id: 1.0.0.0</b>
<p><i>Description:</i> The ring_observation_id uniquely identifies a single experiment or observation (image, occultation profile, spectrum, etc.) within a rings-related data set. This is the common id by which data are identified within the Rings Node catalog. It describes the smallest quantity of data that can be usefully cataloged or analyzed by itself. Note that a single observation may be associated with multiple data products (e.g. raw and calibrated versions of an image). Note also that a single data product may be associated with multiple observations (e.g. a single WFPC2 image file containing four different images). A ring observation id is constructed using numbers, upper case letters, forward slash, colon, period, dash, and underscore as follows: p/type/host/inst/time/... where p is a single-letter planet id (one of J, S, U, or N); type is IMG for images, OCC for occultation profile, etc.; host is the instrument host id, inst is the instrument id; time is the observation time as a date or instrument clock count; further information identifying the observation can then be appended as appropriate. Optional in labels. Nillable, in which case the nil_reason should be 'inapplicable'. Examples: J/IMG/VG2/ISS/20693.01/N J/IMG/VG2/ISS/20693.02/W S/IMG/HST/WFPC2/1995-08-10/U2TF020B/PC1 U/OCC/VG2/RSS/1986-01-24/S U/OCC/VG2/RSS/1986-01-24/X N/OCC/VG2/PPS/1989-08-25/SIGMA_SGR</p>			
Namespace Id: rings	Steward: rings	Class Name: Radio_Occultation	Type: ASCII_Short_String_Collapsed
Minimum Value: None	Maximum Value: None	Minimum Characters: 1	Maximum Characters: 255
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: None	Conceptual Domain: None
Status: Active	Nillable: true	Pattern: None	
Permissible Value(s)	No Values		

## ring\_observation\_id in Radio\_Occultation\_Support

<b>Name: ring_observation_id</b>			<b>Version Id: 1.0.0.0</b>
<p><i>Description:</i> The ring_observation_id uniquely identifies a single experiment or observation (image, occultation profile, spectrum, etc.) within a rings-related data set. This is the common id by which data are identified within the Rings Node catalog. It describes the smallest quantity of data that can be usefully cataloged or analyzed by itself. Note that a single observation may be associated with multiple data products (e.g. raw and calibrated versions of an image). Note also that a single data product may be associated with multiple observations (e.g. a single WFPC2 image file containing four different images). A ring observation id is constructed using numbers,</p>			



<b>Name: ring_observation_id</b>		<b>Version Id: 1.0.0.0</b>	
<p>upper case letters, forward slash, colon, period, dash, and underscore as follows: p/type/host/inst/time/... where p is a single-letter planet id (one of J, S, U, or N); type is IMG for images, OCC for occultation profile, etc.; host is the instrument host id, inst is the instrument id; time is the observation time as a date or instrument clock count; further information identifying the observation can then be appended as appropriate. Optional in labels. Nillable, in which case the nil_reason should be 'inapplicable'. Examples: J/IMG/VG2/ISS/20693.01/N J/IMG/VG2/ISS/20693.02/W S/IMG/HST/WFPC2/1995-08-10/U2TF020B/PC1 U/OCC/VG2/RSS/1986-01-24/S U/OCC/VG2/RSS/1986-01-24/X N/OCC/VG2/PPS/1989-08-25/SIGMA_SGR</p>			
<i>Namespace Id:</i> rings	<i>Steward:</i> rings	<i>Class Name:</i> Radio_Occultation_Support	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> None
<i>Status:</i> Active	<i>Nillable:</i> true	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## ring\_observation\_id in Rings\_Supplement

<b>Name: ring_observation_id</b>		<b>Version Id: 1.0.0.0</b>	
<p><i>Description:</i> The ring_observation_id uniquely identifies a single experiment or observation (image, occultation profile, spectrum, etc.) within a rings-related data set. This is the common id by which data are identified within the Rings Node catalog. It describes the smallest quantity of data that can be usefully cataloged or analyzed by itself. Note that a single observation may be associated with multiple data products (e.g. raw and calibrated versions of an image). Note also that a single data product may be associated with multiple observations (e.g. a single WFPC2 image file containing four different images). A ring observation id is constructed using numbers, upper case letters, forward slash, colon, period, dash, and underscore as follows: p/type/host/inst/time/... where p is a single-letter planet id (one of J, S, U, or N); type is IMG for images, OCC for occultation profile, etc.; host is the instrument host id, inst is the instrument id; time is the observation time as a date or instrument clock count; further information identifying the observation can then be appended as appropriate. Optional in labels. Nillable, in which case the nil_reason should be 'inapplicable'. Examples: J/IMG/VG2/ISS/20693.01/N J/IMG/VG2/ISS/20693.02/W S/IMG/HST/WFPC2/1995-08-10/U2TF020B/PC1 U/OCC/VG2/RSS/1986-01-24/S U/OCC/VG2/RSS/1986-01-24/X N/OCC/VG2/PPS/1989-08-25/SIGMA_SGR</p>			
<i>Namespace Id:</i> rings	<i>Steward:</i> rings	<i>Class Name:</i> Rings_Supplement	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> None
<i>Status:</i> Active	<i>Nillable:</i> true	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## ring\_observation\_id in Stellar\_Occultation

<b>Name: ring_observation_id</b>		<b>Version Id: 1.0.0.0</b>	
<p><i>Description:</i> The ring_observation_id uniquely identifies a single experiment or observation (image, occultation profile, spectrum, etc.) within a rings-related data set. This is the common id by which data are identified within the Rings Node catalog. It describes the smallest quantity of</p>			

<b>Name: ring_observation_id</b>		<b>Version Id: 1.0.0.0</b>	
<p>data that can be usefully cataloged or analyzed by itself. Note that a single observation may be associated with multiple data products (e.g. raw and calibrated versions of an image). Note also that a single data product may be associated with multiple observations (e.g. a single WFPC2 image file containing four different images). A ring observation id is constructed using numbers, upper case letters, forward slash, colon, period, dash, and underscore as follows: p/type/host/inst/time/... where p is a single-letter planet id (one of J, S, U, or N); type is IMG for images, OCC for occultation profile, etc.; host is the instrument host id, inst is the instrument id; time is the observation time as a date or instrument clock count; further information identifying the observation can then be appended as appropriate. Optional in labels. Nillable, in which case the nil_reason should be 'inapplicable'. Examples: J/IMG/VG2/ISS/20693.01/N J/IMG/VG2/ISS/20693.02/W S/IMG/HST/WFPC2/1995-08-10/U2TF020B/PC1 U/OCC/VG2/RSS/1986-01-24/S U/OCC/VG2/RSS/1986-01-24/X N/OCC/VG2/PPS/1989-08-25/SIGMA_SGR</p>			
Namespace Id: rings	Steward: rings	Class Name: Stellar_Occultation	Type: ASCII_Short_String_Collapsed
Minimum Value: None	Maximum Value: None	Minimum Characters: 1	Maximum Characters: 255
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: None	Conceptual Domain: None
Status: Active	Nillable: true	Pattern: None	
Permissible Value(s)	No Values		

## ring\_occultation\_direction in Radio Occultation

<b>Name: ring_occultation_direction</b>		<b>Version Id: 1.0.0.0</b>	
<p><i>Description:</i> ring_occultation_direction indicates the radial direction of an occultation track. This refers to the observed occultation track overall, not to the subset that might appear in a particular file. Permitted values are 'Ingress', 'Egress', 'Both', and 'Multiple'. The value 'multiple' is only used for some Hubble-based occultations where the occultation track is not monotonic over relatively short time scales. Required in labels of ring occultation observations. Nillable if the observation is not a ring occultation in which case the nil_reason should be 'inapplicable'. Not intended as a value for a table field.</p>			
Namespace Id: rings	Steward: rings	Class Name: Radio_Occultation	Type: ASCII_Short_String_Collapsed
Minimum Value: None	Maximum Value: None	Minimum Characters: 1	Maximum Characters: 255
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: None	Conceptual Domain: None
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	Value	Value Meaning	
	Both	The ring radius along the a portion of the occultation track decreases with time, and along a different portion increases with time.	
	Egress	The ring radius along the occultation track increases with time.	
	Ingress	The ring radius along the occultation track decreases with time.	

<b>Name: ring_occultation_direction</b>		<b>Version Id: 1.0.0.0</b>
	Multiple	Only used for some Hubble-based occultations where the occultation track is not monotonic over relatively short time scales.

## ring\_occultation\_direction in Radio\_ Occultation\_Support

<b>Name: ring_occultation_direction</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> ring_occultation_direction indicates the radial direction of an occultation track. This refers to the observed occultation track overall, not to the subset that might appear in a particular file. Permitted values are 'Ingress', 'Egress', 'Both', and 'Multiple'. The value 'multiple' is only used for some Hubble-based occultations where the occultation track is not monotonic over relatively short time scales. Required in labels of ring occultation observations. Nillable if the observation is not a ring occultation in which case the nil_reason should be 'inapplicable'. Not intended as a value for a table field.			
<i>Namespace Id:</i> rings	<i>Steward:</i> rings	<i>Class Name:</i> Radio_ Occultation_Support	<i>Type:</i> ASCII_Short_ String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> None
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	Both	The ring radius along the a portion of the occultation track decreases with time, and along a different portion increases with time.	
	Egress	The ring radius along the occultation track increases with time.	
	Ingress	The ring radius along the occultation track decreases with time.	
	Multiple	Only used for some Hubble-based occultations where the occultation track is not monotonic over relatively short time scales.	

## ring\_occultation\_direction in Stellar\_ Occultation

<b>Name: ring_occultation_direction</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> ring_occultation_direction indicates the radial direction of an occultation track. This refers to the observed occultation track overall, not to the subset that might appear in a particular file. Permitted values are 'Ingress', 'Egress', 'Both', and 'Multiple'. The value 'multiple' is only used for some Hubble-based occultations where the occultation track is not monotonic over relatively short time scales. Required in labels of ring occultation observations. Nillable if the observation is not a ring occultation in which case the nil_reason should be 'inapplicable'. Not intended as a value for a table field.			
<i>Namespace Id:</i> rings	<i>Steward:</i> rings	<i>Class Name:</i> Stellar_ Occultation	<i>Type:</i> ASCII_Short_ String_Collapsed

<b>Name: ring_occultation_direction</b>			<b>Version Id: 1.0.0.0</b>
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> None
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	Both	The ring radius along the a portion of the occultation track decreases with time, and along a different portion increases with time.	
	Egress	The ring radius along the occultation track increases with time.	
	Ingress	The ring radius along the occultation track decreases with time.	
	Multiple	Only used for some Hubble-based occultations where the occultation track is not monotonic over relatively short time scales.	

## ring\_profile\_direction in Radio\_Occultation

<b>Name: ring_profile_direction</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> ring_profile_direction indicates the radial direction of a ring occultation within a particular data product. Possible values are 'Ingress', 'Egress', or 'Multiple'. The value 'Multiple' is only used for some Hubble-based occultations where the occultation track is not monotonic over relatively short time scales. Required in labels of ring occultation observations. Nillable if the observation is not a ring occultation in which case the nil_reason should be 'inapplicable'. Not intended as a value for a table field.			
<i>Namespace Id:</i> rings	<i>Steward:</i> rings	<i>Class Name:</i> Radio_Occultation	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> None
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	Egress	The ring radius along the occultation track increases with time.	
	Ingress	The ring radius along the occultation track decreases with time.	
	Multiple	Only used for some Hubble-based occultations where the occultation track is not monotonic over relatively short time scales.	

## ring\_profile\_direction in Radio\_Occultation\_Support

<b>Name: ring_profile_direction</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> ring_profile_direction indicates the radial direction of a ring occultation within a particular data product. Possible values are 'Ingress', 'Egress', or 'Multiple'. The value 'Multiple' is only used for some Hubble-based occultations where the occultation track is not monotonic over relatively short time scales. Required in labels of ring occultation observations. Nillable if the observation is not a ring occultation in which case the nil_reason should be 'inapplicable'. Not intended as a value for a table field.			
<i>Namespace Id:</i> rings	<i>Steward:</i> rings	<i>Class Name:</i> Radio_Occultation_Support	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> None
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	Egress	The ring radius along the occultation track increases with time.	
	Ingress	The ring radius along the occultation track decreases with time.	
	Multiple	Only used for some Hubble-based occultations where the occultation track is not monotonic over relatively short time scales.	

## ring\_profile\_direction in Stellar\_Occultation

<b>Name: ring_profile_direction</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> ring_profile_direction indicates the radial direction of a ring occultation within a particular data product. Possible values are 'Ingress', 'Egress', or 'Multiple'. The value 'Multiple' is only used for some Hubble-based occultations where the occultation track is not monotonic over relatively short time scales. Required in labels of ring occultation observations. Nillable if the observation is not a ring occultation in which case the nil_reason should be 'inapplicable'. Not intended as a value for a table field.			
<i>Namespace Id:</i> rings	<i>Steward:</i> rings	<i>Class Name:</i> Stellar_Occultation	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> None
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	Egress	The ring radius along the occultation track increases with time.	
	Ingress	The ring radius along the occultation track decreases with time.	

<b>Name: ring_profile_direction</b>		<b>Version Id: 1.0.0.0</b>
	Multiple	Only used for some Hubble-based occultations where the occultation track is not monotonic over relatively short time scales.

## sampling\_parameter\_interval in Radio\_Occultation\_Support

<b>Name: sampling_parameter_interval</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> sampling_parameter_interval specifies the spacing of points at which data are sampled and at which a value for an instrument or dataset parameter is available. Used in labels for radio occultation supplemental files. Nillable in which case the nil_reason should be 'inapplicable'.			
<i>Namespace Id:</i> rings	<i>Steward:</i> rings	<i>Class Name:</i> Radio_Occultation_Support	<i>Type:</i> ASCII_Real
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> None
<i>Status:</i> Active	<i>Nillable:</i> true	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## sampling\_parameter\_name in Radio\_Occultation\_Support

<b>Name: sampling_parameter_name</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> sampling_parameter_name provides the name of the parameter which determines the sampling interval for uniformly sampled data. Used in labels for radio occultation supplemental files. Nillable in which case the nil_reason should be 'inapplicable'.			
<i>Namespace Id:</i> rings	<i>Steward:</i> rings	<i>Class Name:</i> Radio_Occultation_Support	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> None
<i>Status:</i> Active	<i>Nillable:</i> true	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## sampling\_parameter\_unit in Radio\_Occultation\_Support

<b>Name: sampling_parameter_unit</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> sampling_parameter_unit provides the units of the parameter which determines the sampling interval for uniformly sampled data. Used in labels for radio occultation supplemental files. Nillable in which case the nil_reason should be 'inapplicable'.			
<i>Namespace Id:</i> rings	<i>Steward:</i> rings	<i>Class Name:</i> Radio_Occultation_Support	<i>Type:</i> ASCII_Short_String_Collapsed

<b>Name: sampling_parameter_unit</b>			<b>Version Id: 1.0.0.0</b>
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> None
<i>Status:</i> Active	<i>Nillable:</i> true	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	No Values		

## source\_pds3\_id in Radio\_Occultation

<b>Name: source_pds3_id</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> source_pds3_id is the PDS3 product identifier for the source product. If the source product has been archived under PDS4, use the Internal_Reference class in the Investigation_Area. source_pds3_id is required in occultation labels and may be used multiple times. The acceptable nil_reasons are 'inapplicable' and 'unknown'.			
<i>Namespace Id:</i> rings	<i>Steward:</i> rings	<i>Class Name:</i> Radio_Occultation	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> None
<i>Status:</i> Active	<i>Nillable:</i> true	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	No Values		

## source\_pds3\_id in Rings\_Supplement

<b>Name: source_pds3_id</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> source_pds3_id is the PDS3 product identifier for the source product. If the source product has been archived under PDS4, use the Internal_Reference class in the Investigation_Area. source_pds3_id is required in occultation labels and may be used multiple times. The acceptable nil_reasons are 'inapplicable' and 'unknown'.			
<i>Namespace Id:</i> rings	<i>Steward:</i> rings	<i>Class Name:</i> Rings_Supplement	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> None
<i>Status:</i> Active	<i>Nillable:</i> true	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	No Values		

## source\_pds3\_id in Stellar\_Occultation

<b>Name: source_pds3_id</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> source_pds3_id is the PDS3 product identifier for the source product. If the source product has been archived under PDS4, use the Internal_Reference class in the Investigation_Area. source_pds3_id is required in occultation labels and may be used multiple times. The acceptable nil_reasons are 'inapplicable' and 'unknown'.			

<b>Name: source_pds3_id</b>			<b>Version Id: 1.0.0.0</b>
<i>Namespace Id:</i> rings	<i>Steward:</i> rings	<i>Class Name:</i> Stellar_Occultation	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> None
<i>Status:</i> Active	<i>Nillable:</i> true	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## spacecraft\_event\_start\_time\_utc in Radio\_Occultation

<b>Name: spacecraft_event_start_time_utc</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> spacecraft_event_start_time_utc gives the UTC time corresponding to the earliest time given by spacecraft_event_time in the data table. However, while spacecraft_event_time is given as seconds offset from a reference time, spacecraft_event_start_time_utc is given as a UTC date time. spacecraft_event_start_time_utc is required in the label for radio occultation data, but is not used for stellar occultation data. Required in the label for radio occultation data. Not used for stellar occultations. Nillable if the observation is not an occultation in which case the nil_reason should be 'inapplicable'.			
<i>Namespace Id:</i> rings	<i>Steward:</i> rings	<i>Class Name:</i> Radio_Occultation	<i>Type:</i> ASCII_Date_Time_YMD_UTC
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> None
<i>Status:</i> Active	<i>Nillable:</i> true	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## spacecraft\_event\_stop\_time\_utc in Radio\_Occultation

<b>Name: spacecraft_event_stop_time_utc</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> spacecraft_event_stop_time_utc gives the UTC time corresponding to the latest time given by spacecraft_event_time in the data table. However, while spacecraft_event_time is given as seconds offset from a reference time, spacecraft_event_stop_time_utc is given as a UTC date time. spacecraft_event_stop_time_utc is required in the label for radio occultation data, but is not used for stellar occultation data. Required in the label for radio occultation data. Not used for stellar occultations. Nillable if the observation is not an occultation in which case the nil_reason should be 'inapplicable'.			
<i>Namespace Id:</i> rings	<i>Steward:</i> rings	<i>Class Name:</i> Radio_Occultation	<i>Type:</i> ASCII_Date_Time_YMD_UTC
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> None
<i>Status:</i> Active	<i>Nillable:</i> true	<i>Pattern:</i> None	



<b>Name: spacecraft_event_stop_time_utc</b>		<b>Version Id: 1.0.0.0</b>
<i>Permissible Value(s)</i>	<i>No Values</i>	

## spice\_filename in Radio\_Occultation\_Support

<b>Name: spice_filename</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description: spice_filename gives the file name(s) of SPICE files used in the analysis. Only used if the SPICE files can not be identified using a LID or LIDVID. Otherwise the association is made in the Reference_Class using the Internal_Reference class. Optional in labels for radio occultation. Nillable in which case the nil_reason should be 'inapplicable'.</i>			
<i>Namespace Id:</i> rings	<i>Steward:</i> rings	<i>Class Name:</i> Radio_Occultation_Support	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> None
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## spice\_kernel\_file\_name in NAIF\_Supplement

<b>Name: spice_kernel_file_name</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description: The spice_kernel_file_name attribute is used to identify SPICE kernel files used in the production of the product.</i>			
<i>Namespace Id:</i> rings	<i>Steward:</i> rings	<i>Class Name:</i> NAIF_Supplement	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> None
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## star\_name in Stellar\_Occultation

<b>Name: star_name</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description: star_name provides the identifying name of star, including the catalog name if necessary. Examples include 'sigma Sgr' and 'SAO 123456' (for star number 123456 in the Smithsonian Astrophysical Observatory catalog). Use 'Sun' for solar occultations. Required in labels for stellar and solar occultations. Nillable if the observation is not a ring occultation in which case the nil_reason should be 'inapplicable'. Not used for radio occultations.</i>			
<i>Namespace Id:</i> rings	<i>Steward:</i> rings	<i>Class Name:</i> Stellar_Occultation	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255

<b>Name: star_name</b>			<b>Version Id: 1.0.0.0</b>
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> None
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	No Values		

## sub\_stellar\_clock\_angle in Stellar\_Occultation

<b>Name: sub_stellar_clock_angle</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> sub_stellar_clock_angle is an angle measured at a point in the ring plane, from the direction toward a star to the local radial direction. This angle is projected into the ring plane and measured in the clockwise (retrograde) direction. Equivalently, this is the prograde angle from the local radial direction to the direction toward the star. For stellar occultation data, this angle is equal to $(180 - \text{OBSERVED\_RING\_AZIMUTH}) \bmod 360$ . It is available only for backward compatibility with previously published Cassini VIMS occultation data analysis; observed_ring_azimuth is the preferred quantity for archiving. sub_stellar_clock_angle is an optional data table field for Cassini VIMS occultation data; not recommended for other occultation data. In a label, the min and max variation attributes are optional for Cassini VIMS occultation data; not recommended for other occultation data.			
<i>Namespace Id:</i> rings	<i>Steward:</i> rings	<i>Class Name:</i> Stellar_Occultation	<i>Type:</i> ASCII_Real
<i>Minimum Value:</i> 0	<i>Maximum Value:</i> 360	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> Units_of_Angle	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> None
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	No Values		

## sub\_stellar\_ring\_azimuth in Stellar\_Occultation

<b>Name: sub_stellar_ring_azimuth</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> sub_stellar_ring_azimuth is an angle measured at a point in the ring plane, starting from the direction of a photon arriving from a star, and ending at the direction of a local radial vector. This angle is projected into the ring plane and measured in the prograde direction. Values range from 0 to 360 in units of degrees. For stellar occultation data, this angle is equal to $(\text{observed\_ring\_azimuth} + 180) \bmod 360$ . It is available only for backward compatibility with previously published Cassini UVIS occultation data analysis; observed_ring_azimuth is the preferred quantity for archiving. sub_stellar_ring_azimuth is an optional data table field for Cassini UVIS occultation data; not recommended for other occultation data. In a label, the min and max variation attributes are optional for Cassini UVIS occultation data; not recommended for other occultation data.			
<i>Namespace Id:</i> rings	<i>Steward:</i> rings	<i>Class Name:</i> Stellar_Occultation	<i>Type:</i> ASCII_Real
<i>Minimum Value:</i> 0	<i>Maximum Value:</i> 360	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> Units_of_Angle	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> None

<b>Name: sub_stellar_ring_azimuth</b>		<b>Version Id: 1.0.0.0</b>
Status: Active	Nillable: false	Pattern: None
Permissible Value(s)	No Values	

## wavelength in Radio\_Occultation

<b>Name: wavelength</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> wavelength of the observation. Optional in labels. If the observation is over a wavelength range, use the corresponding minimum and maximum attributes instead. Nillable in which case the nil_reason should be 'inapplicable'.			
Namespace Id: rings	Steward: rings	Class Name: Radio_Occultation	Type: ASCII_Real
Minimum Value: None	Maximum Value: None	Minimum Characters: None	Maximum Characters: None
Unit of Measure Type: Units_of_Length	Default Unit Id: None	Attribute Concept: None	Conceptual Domain: None
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

## wavelength in Stellar\_Occultation

<b>Name: wavelength</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> wavelength of the observation. Optional in labels. If the observation is over a wavelength range, use the corresponding minimum and maximum attributes instead. Nillable in which case the nil_reason should be 'inapplicable'.			
Namespace Id: rings	Steward: rings	Class Name: Stellar_Occultation	Type: ASCII_Real
Minimum Value: None	Maximum Value: None	Minimum Characters: None	Maximum Characters: None
Unit of Measure Type: Units_of_Length	Default Unit Id: None	Attribute Concept: None	Conceptual Domain: None
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

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# Chapter 10. Attributes in the Imaging discipline namespace.

These attributes are used by the classes defined for the Imaging namespace.

## application\_process\_id in Telemetry\_ Parameters

<b>Name: application_process_id</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The application_process_id attribute identifies the process, or source, which created the data.			
<i>Namespace Id:</i> img	<i>Steward:</i> img	<i>Class Name:</i> Telemetry_Parameters	<i>Type:</i> ASCII_Integer
<i>Minimum Value:</i> 0	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> ID	<i>Conceptual Domain:</i> Integer
<i>Status:</i> Active	<i>Nilable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## application\_process\_name in Telemetry\_ Parameters

<b>Name: application_process_name</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The application_process_name attribute provides the name associated with the source or process which created the data.			
<i>Namespace Id:</i> img	<i>Steward:</i> img	<i>Class Name:</i> Telemetry_Parameters	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 127
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Name	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nilable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## earth\_received\_start\_date\_time in Telemetry\_ Parameters

<b>Name: earth_received_start_date_time</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The earth_received_start_date_time attribute provides the earliest time at which any component telemetry data for a particular product was received.			
<i>Namespace Id:</i> img	<i>Steward:</i> img	<i>Class Name:</i> Telemetry_Parameters	<i>Type:</i> ASCII_Date_Time_UTC

<b>Name: earth_received_start_date_time</b>			<b>Version Id: 1.0.0.0</b>
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Time	<i>Conceptual Domain:</i> Time
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	No Values		

## earth\_received\_stop\_date\_time in Telemetry\_Parameters

<b>Name: earth_received_stop_date_time</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The earth_received_stop_date_time attribute provides the latest time at which any component telemetry data for a particular product was received.			
<i>Namespace Id:</i> img	<i>Steward:</i> img	<i>Class Name:</i> Telemetry_Parameters	<i>Type:</i> ASCII_Date_Time_UTC
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Time	<i>Conceptual Domain:</i> Time
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	No Values		

## expected\_packets in Telemetry\_Parameters

<b>Name: expected_packets</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The expected_packets attribute provides the total number of telemetry packets which constitute a complete data product, i.e., a data product without missing data.			
<i>Namespace Id:</i> img	<i>Steward:</i> img	<i>Class Name:</i> Telemetry_Parameters	<i>Type:</i> ASCII_Integer
<i>Minimum Value:</i> 0	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Count	<i>Conceptual Domain:</i> Integer
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	No Values		

## packet\_map\_mask in Telemetry\_Parameters

<b>Name: packet_map_mask</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The packet_map_mask attribute is a binary or hexadecimal number identifying which of a data file's expected packets were actually received. The digits correspond positionally with the relative packet numbers of the data file. The bits are to be read left to right; i.e., the first (left-most) digit of the number corresponds to the first packet of the data file. A bit value of 1 indicates that the packet was received; a value of 0 indicates that it was not received.			
<i>Namespace Id:</i> img	<i>Steward:</i> img	<i>Class Name:</i> Telemetry_Parameters	<i>Type:</i> ASCII_Numeric_Base16

<b>Name: packet_map_mask</b>			<b>Version Id: 1.0.0.0</b>
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Mask	<i>Conceptual Domain:</i> Numeric
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	No Values		

## received\_packets in Telemetry\_Parameters

<b>Name: received_packets</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The received_packets attribute provides the total number of telemetry packets which constitute a reconstructed data product, cf. expected_packets.			
<i>Namespace Id:</i> img	<i>Steward:</i> img	<i>Class Name:</i> Telemetry_Parameters	<i>Type:</i> ASCII_Integer
<i>Minimum Value:</i> 0	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Count	<i>Conceptual Domain:</i> Integer
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	No Values		

## spice\_file\_name in Telemetry\_Parameters

<b>Name: spice_file_name</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The spice_file_name attribute provides the names of the SPICE files used in processing the data.			
<i>Namespace Id:</i> img	<i>Steward:</i> img	<i>Class Name:</i> Telemetry_Parameters	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Name	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	No Values		

## telemetry\_format\_id in Telemetry\_Parameters

<b>Name: telemetry_format_id</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The telemetry_format_id attribute supplies a telemetry format code.			
<i>Namespace Id:</i> img	<i>Steward:</i> img	<i>Class Name:</i> Telemetry_Parameters	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 4
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> ID	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	

<b>Name: telemetry_format_id</b>		<b>Version Id: 1.0.0.0</b>
<i>Permissible Value(s)</i>	<i>No Values</i>	

## telemetry\_provider\_id in Telemetry\_ Parameters

<b>Name: telemetry_provider_id</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The telemetry_provider_id attribute identifies the provider and or version of the telemetry data used in the generation of this data.			
<i>Namespace Id:</i> img	<i>Steward:</i> img	<i>Class Name:</i> Telemetry_Parameters	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 20
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> ID	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nilable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## telemetry\_source\_name in Telemetry\_ Parameters

<b>Name: telemetry_source_name</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The telemetry_source_name attribute identifies the telemetry source used in creation of a data set.			
<i>Namespace Id:</i> img	<i>Steward:</i> img	<i>Class Name:</i> Telemetry_Parameters	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 60
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Name	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nilable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## telemetry\_source\_type in Telemetry\_ Parameters

<b>Name: telemetry_source_type</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The telemetry_source_type attribute classifies the source of the telemetry used in creation of this data collection.			
<i>Namespace Id:</i> img	<i>Steward:</i> img	<i>Class Name:</i> Telemetry_Parameters	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> Units_of_None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Type	<i>Conceptual Domain:</i> Short_String

Attributes in the Imaging  
discipline namespace.

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<b>Name: telemetry_source_type</b>		<b>Version Id: 1.0.0.0</b>
<i>Status: Active</i>	<i>Nullable: false</i>	<i>Pattern: None</i>
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>
	DATA_PRODUCT	The telemetry source is a data product.
	SFDU	The telemetry source is an SFDU



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# Chapter 11. Attributes in the Display namespace.

These attributes are used by the classes defined for the Display namespace.

## blue\_channel\_band in Color\_Display\_Settings

<b>Name: blue_channel_band</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The blue_channel_band attribute identifies the number of the band, along the band axis, that should be loaded, by default, into the blue channel of a display device. The first band along the band axis has band number 1.			
<i>Namespace Id:</i> disp	<i>Steward:</i> img	<i>Class Name:</i> Color_Display_Settings	<i>Type:</i> ASCII_Integer
<i>Minimum Value:</i> 1	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> Integer
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## color\_display\_axis in Color\_Display\_Settings

<b>Name: color_display_axis</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The color_display_axis attribute identifies, by name, the axis of an Array (or Array subclass) that is intended to be displayed in the color dimension of a display device. I.e., bands from this dimension will be loaded into the red, green, and blue bands of the display device. The value of this attribute must match the value of one, and only one, axis_name attribute in an Axis_Array class of the associated Array.			
<i>Namespace Id:</i> disp	<i>Steward:</i> img	<i>Class Name:</i> Color_Display_Settings	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> None
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## frame\_rate in Movie\_Display\_Settings

<b>Name: frame_rate</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description:</i> The frame_rate attribute indicates the number of still pictures (or frames) that should be displayed per unit of time in a video. Note this is NOT necessarily the same as the rate at which the images were acquired.			
<i>Namespace Id:</i> disp	<i>Steward:</i> img	<i>Class Name:</i> Movie_Display_Settings	<i>Type:</i> ASCII_Real

<b>Name: frame_rate</b>			<b>Version Id: 1.0.0.0</b>
<i>Minimum Value:</i> 1.0	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> Units_of_Frame_Rate	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> Real
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## green\_channel\_band in Color\_Display\_Settings

<b>Name: green_channel_band</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The green_channel_band attribute identifies the number of the band, along the band axis, that should be loaded, by default, into the green channel of a display device. The first band along the band axis has band number 1.			
<i>Namespace Id:</i> disp	<i>Steward:</i> img	<i>Class Name:</i> Color_Display_Settings	<i>Type:</i> ASCII_Integer
<i>Minimum Value:</i> 1	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> Integer
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## horizontal\_display\_axis in Display\_Direction

<b>Name: horizontal_display_axis</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The horizontal_display_axis attribute identifies, by name, the axis of an Array (or Array subclass) that is intended to be displayed in the horizontal or "sample" dimension on a display device. The value of this attribute must match the value of one, and only one, axis_name attribute in an Axis_Array class of the associated Array.			
<i>Namespace Id:</i> disp	<i>Steward:</i> img	<i>Class Name:</i> Display_Direction	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> None
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## horizontal\_display\_direction in Display\_Direction

<b>Name: horizontal_display_direction</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The horizontal_display_direction attribute specifies the direction across the screen of a display device that data along the horizontal axis of an Array is supposed to be displayed.			

<b>Name: horizontal_display_direction</b>			<b>Version Id: 1.0.0.0</b>
<i>Namespace Id:</i> disp	<i>Steward:</i> img	<i>Class Name:</i> Display_Direction	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> None
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	Left to Right	The lowest indexed element along an array axis should be displayed at the left edge of a display device and elements with higher indices should be displayed further to the right. Note that this is the standard display direction for most major image formats.	
	Right to Left	The lowest indexed element along an array axis should be displayed at the right edge of a display device and elements with higher indices should be displayed further to the left. Note that virtually no image display formats use this display direction. Use this only when deliberately mirroring the image around the vertical axis.	

## loop\_back\_and\_forth\_flag in Movie\_Display\_Settings

<b>Name: loop_back_and_forth_flag</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The loop_back_and_forth_flag attribute specifies whether or not a movie should only be "looped" or played repeatedly in the forward direction, or whether it should be played forward followed by played in reverse, iteratively.			
<i>Namespace Id:</i> disp	<i>Steward:</i> img	<i>Class Name:</i> Movie_Display_Settings	<i>Type:</i> ASCII_Boolean
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> Boolean
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	false	When looping, the movie should only be played in the forward direction. This is the default behavior.	
	true	When looping, the movie should be played in the forward direction, followed by the reverse direction, iteratively.	

## loop\_count in Movie\_Display\_Settings

<b>Name: loop_count</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The loop_count attribute specifies the number of times a movie should be "looped" or replayed before stopping.			
<i>Namespace Id:</i> disp	<i>Steward:</i> img	<i>Class Name:</i> Movie_Display_Settings	<i>Type:</i> ASCII_Integer
<i>Minimum Value:</i> 1	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> Integer
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## loop\_delay in Movie\_Display\_Settings

<b>Name: loop_delay</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The loop_delay attribute specifies the amount of time to pause between "loops" or repeated playbacks of a movie.			
<i>Namespace Id:</i> disp	<i>Steward:</i> img	<i>Class Name:</i> Movie_Display_Settings	<i>Type:</i> ASCII_Real
<i>Minimum Value:</i> 0.0	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> Units_of_Time	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> Real
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## loop\_flag in Movie\_Display\_Settings

<b>Name: loop_flag</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The loop_flag attribute specifies whether or not a movie object should be played repeatedly without prompting from the user.			
<i>Namespace Id:</i> disp	<i>Steward:</i> img	<i>Class Name:</i> Movie_Display_Settings	<i>Type:</i> ASCII_Boolean
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> Boolean
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	false	The movie should be not be 'looped' or played repeatedly.	
	true	The movie should be 'looped' or played repeatedly.	

## red\_channel\_band in Color\_Display\_Settings

<b>Name: red_channel_band</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The red_channel_band attribute identifies the number of the band, along the band axis, that should be loaded, by default, into the red channel of a display device. The first band along the band axis has band number 1.			
<i>Namespace Id:</i> disp	<i>Steward:</i> img	<i>Class Name:</i> Color_Display_Settings	<i>Type:</i> ASCII_Integer
<i>Minimum Value:</i> 1	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> Integer
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## time\_display\_axis in Movie\_Display\_Settings

<b>Name: time_display_axis</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The time_display_axis attribute identifies, by name, the axis of an Array (or Array subclass), the bands of which are intended to be displayed sequentially in time on a display device. The frame_rate attribute, if present, provides the rate at which these bands are to be displayed.			
<i>Namespace Id:</i> disp	<i>Steward:</i> img	<i>Class Name:</i> Movie_Display_Settings	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> None
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## vertical\_display\_axis in Display\_Direction

<b>Name: vertical_display_axis</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The vertical_display_axis attribute identifies, by name, the axis of an Array (or Array subclass) that is intended to be displayed in the vertical or "line" dimension on a display device. The value of this attribute must match the value of one, and only one, axis_name attribute in an Axis_Array class of the associated Array.			
<i>Namespace Id:</i> disp	<i>Steward:</i> img	<i>Class Name:</i> Display_Direction	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> None
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

## vertical\_display\_direction in Display\_Direction

<b>Name: vertical_display_direction</b>			<b>Version Id: 1.0.0.0</b>
<i>Description:</i> The vertical_display_direction attribute specifies the direction along the screen of a display device that data along the vertical axis of an Array is supposed to be displayed.			
<i>Namespace Id:</i> disp	<i>Steward:</i> img	<i>Class Name:</i> Display_Direction	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> None
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	Bottom to Top	The lowest indexed element along an array axis should be displayed at the bottom edge of a display device and elements with higher indices should be displayed higher up. This is the display direction typically used for FITS formatted data.	
	Top to Bottom	The lowest indexed element along an array axis should be displayed at the top edge of a display device and elements with higher indices should be displayed lower down. This is the display direction typically used for VICAR formatted data.	

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# Chapter 12. Data Types in the common (pds) namespace.

These classes define the PDS4 data types.

## ASCII\_AnyURI

<b>Name:</b> ASCII_AnyURI			<b>Version Id:</b> 1.0.0.0
<i>Description</i> The ASCII AnyURI class indicates a URI or its subclasses URN and URL.			
<i>Schema Base Type:</i> anyURI			
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>No Pattern</i>			

## ASCII\_Boolean

<b>Name:</b> ASCII_Boolean			<b>Version Id:</b> 1.0.0.0
<i>Description</i> The ASCII_Boolean class indicates a boolean. The allowed values are 'true' and 'false'.			
<i>Schema Base Type:</i> boolean			
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>No Pattern</i>			

## ASCII\_DOI

<b>Name:</b> ASCII_DOI			<b>Version Id:</b> 1.1.0.0
<i>Description</i> The ASCII DOI class indicates a digital object identifier (DOI).			
<i>Schema Base Type:</i> string			
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Pattern</i>			
10\\.S+\\S+			

## ASCII\_Date

<b>Name:</b> ASCII_Date			<b>Version Id:</b> 1.1.0.0
<i>Description</i> The ASCII_Date class indicates a date in either YMD or DOY format.			
<i>Schema Base Type:</i> string			
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Pattern</i>			

<b>Name: ASCII_Date</b>		<b>Version Id: 1.1.0.0</b>	
	(-)?[0-9]{4}		
	(-)?[0-9]{4}-((00[1-9]) (0[1-9][0-9]) ([1-2][0-9][0-9]) (3((([0-5][0-9]) (6[0-6])))		
	(-)?[0-9]{4}-((0[1-9]) (1[0-2]))		
	(-)?[0-9]{4}-((0[1-9]) (1[0-2]))-((0[1-9]) ([1-2][0-9]) (3[0-1]))		

## ASCII\_Date\_DOY

<b>Name: ASCII_Date_DOY</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description</i> The ASCII_Date_DOY class indicates a date in DOY format.			
<i>Schema Base Type:</i>			
string			
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Pattern</i>			
(-)?[0-9]{4}(Z?)			
(-)?[0-9]{4}-((00[1-9]) (0[1-9][0-9]) ([1-2][0-9][0-9]) (3((([0-5][0-9]) (6[0-6])))			
)(Z?)			

## ASCII\_Date\_Time

<b>Name: ASCII_Date_Time</b>		<b>Version Id: 1.1.0.0</b>	
<i>Description</i> The ASCII_Date_Time class indicates a date in either YMD or DOY format and time.			
<i>Schema Base Type:</i>			
string			
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Pattern</i>			
(-)?[0-9]{4}			
(-)?[0-9]{4}-((00[1-9]) (0[1-9][0-9]) ([1-2][0-9][0-9]) (3((([0-5][0-9]) (6[0-6])))			
)(T)(([0-1][0-9]) (2[0-3])):[0-5][0-9](Z)?			
(-)?[0-9]{4}-((00[1-9]) (0[1-9][0-9]) ([1-2][0-9][0-9]) (3((([0-5][0-9]) (6[0-6])))			
)(T)(([0-1][0-9]) (2[0-3])):[0-5][0-9]:((([0-5][0-9]) 60)\.([0-9]{1,4}))?(Z)?			
(-)?[0-9]{4}-((00[1-9]) (0[1-9][0-9]) ([1-2][0-9][0-9]) (3((([0-5][0-9]) (6[0-6])))			
)(T)(([0-1][0-9]) (2[0-4]))(Z)?			
(-)?[0-9]{4}-((00[1-9]) (0[1-9][0-9]) ([1-2][0-9][0-9]) (3((([0-5][0-9]) (6[0-6])))			
)(T)24:00(:00(\.0+)?)?(Z)?			
(-)?[0-9]{4}-((0[1-9]) (1[0-2]))			
(-)?[0-9]{4}-((0[1-9]) (1[0-2]))-((0[1-9]) ([1-2][0-9]) (3[0-1]))			
(-)?[0-9]{4}-((0[1-9]) (1[0-2]))-((0[1-9]) ([1-2][0-9]) (3[0-1]))(T)(([0-1][0-9]) (2[0-3])):[0-5][0-9](Z)?			
(-)?[0-9]{4}-((0[1-9]) (1[0-2]))-((0[1-9]) ([1-2][0-9]) (3[0-1]))(T)(([0-1][0-9]) (2[0-3])):[0-5][0-9]:((([0-5][0-9]) 60)\.([0-9]{1,4}))?(Z)?			



<b>Name: ASCII_Date_Time</b>		<b>Version Id: 1.1.0.0</b>	
	(-)?[0-9]{4}-((0[1-9]) (1[0-2]))-((0[1-9]) ([1-2][0-9]))(3[0-1])(T)(([0-1][0-9]) (2[0-4]))(Z)?		
	(-)?[0-9]{4}-((0[1-9]) (1[0-2]))-((0[1-9]) ([1-2][0-9]))(3[0-1])(T)24:00(:00(\.0+)?)?(Z)?		

## ASCII\_Date\_Time\_DOY

<b>Name: ASCII_Date_Time_DOY</b>		<b>Version Id: 1.2.0.0</b>	
<i>Description</i> The ASCII_Date_Time_DOY class indicates a date in DOY format and time.			
<i>Schema Base Type:</i> string			
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Pattern</i>			
(-)?[0-9]{4}(Z)?			
(-)?[0-9]{4}-((00[1-9]) (0[1-9][0-9]) ([1-2][0-9][0-9]))(3((([0-5][0-9]) (6[0-6]))))(T)(([0-1][0-9]) (2[0-3])):[0-5][0-9](Z)?			
(-)?[0-9]{4}-((00[1-9]) (0[1-9][0-9]) ([1-2][0-9][0-9]))(3((([0-5][0-9]) (6[0-6]))))(T)(([0-1][0-9]) (2[0-3])):[0-5][0-9]:((([0-5][0-9]) 60)\.([0-9]{1,4}))?(Z)?			
(-)?[0-9]{4}-((00[1-9]) (0[1-9][0-9]) ([1-2][0-9][0-9]))(3((([0-5][0-9]) (6[0-6]))))(T)(([0-1][0-9]) (2[0-4]))(Z)?			
(-)?[0-9]{4}-((00[1-9]) (0[1-9][0-9]) ([1-2][0-9][0-9]))(3((([0-5][0-9]) (6[0-6]))))(T)24(:00)(:00:00)?(Z)?			
(-)?[0-9]{4}-((00[1-9]) (0[1-9][0-9]) ([1-2][0-9][0-9]))(3((([0-5][0-9]) (6[0-6]))))(T)24:00:00\.(([0]{1,4}))?(Z)?			
(-)?[0-9]{4}-((00[1-9]) (0[1-9][0-9]) ([1-2][0-9][0-9]))(3((([0-5][0-9]) (6[0-6]))))(Z)?			

## ASCII\_Date\_Time\_DOY\_UTC

<b>Name: ASCII_Date_Time_DOY_UTC</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description</i> The ASCII_Date_Time_DOY_UTC class indicates a date (in DOY format) and time in UTC.			
<i>Schema Base Type:</i> string			
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Pattern</i>			
(-)?[0-9]{4}(Z)			
(-)?[0-9]{4}-((00[1-9]) (0[1-9][0-9]) ([1-2][0-9][0-9]))(3((([0-5][0-9]) (6[0-6]))))(T)(([0-1][0-9]) (2[0-3])):[0-5][0-9](Z)			
(-)?[0-9]{4}-((00[1-9]) (0[1-9][0-9]) ([1-2][0-9][0-9]))(3((([0-5][0-9]) (6[0-6]))))(T)(([0-1][0-9]) (2[0-3])):[0-5][0-9]:((([0-5][0-9]) 60)\.([0-9]{1,4}))?(Z)			
(-)?[0-9]{4}-((00[1-9]) (0[1-9][0-9]) ([1-2][0-9][0-9]))(3((([0-5][0-9]) (6[0-6]))))(T)(([0-1][0-9]) (2[0-4]))(Z)			

<b>Name:</b> ASCII_Date_Time_DOY_UTC		<b>Version Id:</b> 1.0.0.0	
	(-)?[0-9]{4}-((00[1-9]) (0[1-9][0-9]) ([1-2][0-9][0-9]) (3((([0-5][0-9]) (6[0-6]))) (T)24(:00)(:00:00))?(Z)		
	(-)?[0-9]{4}-((00[1-9]) (0[1-9][0-9]) ([1-2][0-9][0-9]) (3((([0-5][0-9]) (6[0-6]))) (T)24:00:00(\.([0]{1,4})))?(Z)		
	(-)?[0-9]{4}-((00[1-9]) (0[1-9][0-9]) ([1-2][0-9][0-9]) (3((([0-5][0-9]) (6[0-6]))) (Z)		

## ASCII\_Date\_Time\_UTC

<b>Name:</b> ASCII_Date_Time_UTC		<b>Version Id:</b> 1.3.0.0	
<i>Description</i> The ASCII_Date_Time_UTC class indicates a date and time in UTC format.			
<i>Schema Base Type:</i> string			
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Pattern</i>			
(-)?[0-9]{4}(Z)			
(-)?[0-9]{4}-((00[1-9]) (0[1-9][0-9]) ([1-2][0-9][0-9]) (3((([0-5][0-9]) (6[0-6]))) (T)(([0-1][0-9]) (2[0-3])):[0-5][0-9](Z)			
(-)?[0-9]{4}-((00[1-9]) (0[1-9][0-9]) ([1-2][0-9][0-9]) (3((([0-5][0-9]) (6[0-6]))) (T)(([0-1][0-9]) (2[0-3])):[0-5][0-9]:((([0-5][0-9])60)\.([0-9]{1,4}))?(Z)			
(-)?[0-9]{4}-((00[1-9]) (0[1-9][0-9]) ([1-2][0-9][0-9]) (3((([0-5][0-9]) (6[0-6]))) (T)(([0-1][0-9]) (2[0-4]))(Z)			
(-)?[0-9]{4}-((00[1-9]) (0[1-9][0-9]) ([1-2][0-9][0-9]) (3((([0-5][0-9]) (6[0-6]))) (T)24:00(:00(\.0+)?))?(Z)			
(-)?[0-9]{4}-((00[1-9]) (0[1-9][0-9]) ([1-2][0-9][0-9]) (3((([0-5][0-9]) (6[0-6]))) (Z)			
(-)?[0-9]{4}-((0[1-9]) (1[0-2]))(Z)			
(-)?[0-9]{4}-((0[1-9]) (1[0-2]))-((0[1-9]) ([1-2][0-9]) (3[0-1]))(T)(([0-1][0-9]) (2[0-3])):[0-5][0-9](Z)			
(-)?[0-9]{4}-((0[1-9]) (1[0-2]))-((0[1-9]) ([1-2][0-9]) (3[0-1]))(T)(([0-1][0-9]) (2[0-3])):[0-5][0-9]:((([0-5][0-9])60)\.([0-9]{1,4}))?(Z)			
(-)?[0-9]{4}-((0[1-9]) (1[0-2]))-((0[1-9]) ([1-2][0-9]) (3[0-1]))(T)(([0-1][0-9]) (2[0-4]))(Z)			
(-)?[0-9]{4}-((0[1-9]) (1[0-2]))-((0[1-9]) ([1-2][0-9]) (3[0-1]))(T)24:00(:00(\.0+)?))?(Z)			
(-)?[0-9]{4}-((0[1-9]) (1[0-2]))-((0[1-9]) ([1-2][0-9]) (3[0-1]))(Z)			

## ASCII\_Date\_Time\_YMD

<b>Name:</b> ASCII_Date_Time_YMD		<b>Version Id:</b> 1.1.0.0	
<i>Description</i> The ASCII_Date_Time_YMD class indicates a date in YMD format and time.			
<i>Schema Base Type:</i> string			

<b>Name: ASCII_Date_Time_YMD</b>			<b>Version Id: 1.1.0.0</b>
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Pattern</i>			
(-)?[0-9]{4}(Z?)			
(-)?[0-9]{4}-((0[1-9]) (1[0-2]))(Z?)			
(-)?[0-9]{4}-((0[1-9]) (1[0-2]))-((0[1-9]) ([1-2][0-9]) (3[0-1]))(T)(([0-1][0-9]) (2[0-3]))(Z?)			
(-)?[0-9]{4}-((0[1-9]) (1[0-2]))-((0[1-9]) ([1-2][0-9]) (3[0-1]))(T)(([0-1][0-9]) (2[0-3])):[0-5][0-9](Z?)			
(-)?[0-9]{4}-((0[1-9]) (1[0-2]))-((0[1-9]) ([1-2][0-9]) (3[0-1]))(T)(([0-1][0-9]) (2[0-3])):[0-5][0-9]:((([0-5][0-9]) 60)\.([0-9]{1,4}))?(Z?)			
(-)?[0-9]{4}-((0[1-9]) (1[0-2]))-((0[1-9]) ([1-2][0-9]) (3[0-1]))(T)24(:00 :00:00)?(Z?)			
(-)?[0-9]{4}-((0[1-9]) (1[0-2]))-((0[1-9]) ([1-2][0-9]) (3[0-1]))(T)24:00:00\.([0]{1,4})(Z?)			
(-)?[0-9]{4}-((0[1-9]) (1[0-2]))-((0[1-9]) ([1-2][0-9]) (3[0-1]))(Z?)			

## ASCII\_Date\_Time\_YMD\_UTC

<b>Name: ASCII_Date_Time_YMD_UTC</b>			<b>Version Id: 1.0.0.0</b>
<i>Description</i> The ASCII_Date_Time_YMD_UTC class indicates a date (in YMD format) and time in UTC.			
<i>Schema Base Type:</i> string			
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Pattern</i>			
(-)?[0-9]{4}(Z)			
(-)?[0-9]{4}-((0[1-9]) (1[0-2]))(Z)			
(-)?[0-9]{4}-((0[1-9]) (1[0-2]))-((0[1-9]) ([1-2][0-9]) (3[0-1]))(T)(([0-1][0-9]) (2[0-3]))(Z)			
(-)?[0-9]{4}-((0[1-9]) (1[0-2]))-((0[1-9]) ([1-2][0-9]) (3[0-1]))(T)(([0-1][0-9]) (2[0-3])):[0-5][0-9](Z)			
(-)?[0-9]{4}-((0[1-9]) (1[0-2]))-((0[1-9]) ([1-2][0-9]) (3[0-1]))(T)(([0-1][0-9]) (2[0-3])):[0-5][0-9]:((([0-5][0-9]) 60)\.([0-9]{1,4}))?(Z)			
(-)?[0-9]{4}-((0[1-9]) (1[0-2]))-((0[1-9]) ([1-2][0-9]) (3[0-1]))(T)24(:00 :00:00)?(Z)			
(-)?[0-9]{4}-((0[1-9]) (1[0-2]))-((0[1-9]) ([1-2][0-9]) (3[0-1]))(T)24:00:00\.([0]{1,4})(Z)			
(-)?[0-9]{4}-((0[1-9]) (1[0-2]))-((0[1-9]) ([1-2][0-9]) (3[0-1]))(Z)			

## ASCII\_Date\_YMD

<b>Name: ASCII_Date_YMD</b>			<b>Version Id: 1.1.0.0</b>
<i>Description</i> The ASCII_Date_YMD class indicates a date in YMD format.			

<b>Name: ASCII_Date_YMD</b>			<b>Version Id: 1.1.0.0</b>
<i>Schema Base Type:</i> string			
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Pattern</i>			
(-)?[0-9]{4}(Z?)			
(-)?[0-9]{4}-((0[1-9]) (1[0-2]))(Z?)			
(-)?[0-9]{4}-((0[1-9]) (1[0-2]))-((0[1-9]) ([1-2][0-9]) (3[0-1]))(Z?)			

## ASCII\_Directory\_Path\_Name

<b>Name: ASCII_Directory_Path_Name</b>			<b>Version Id: 1.1.0.0</b>
<i>Description</i> The ASCII Directory Path Name class indicates a system directory path.			
<i>Schema Base Type:</i> token			
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>No Pattern</i>			

## ASCII\_File\_Name

<b>Name: ASCII_File_Name</b>			<b>Version Id: 1.1.0.0</b>
<i>Description</i> The ASCII File Name class indicates a system file name.			
<i>Schema Base Type:</i> token			
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>No Pattern</i>			

## ASCII\_File\_Specification\_Name

<b>Name: ASCII_File_Specification_Name</b>			<b>Version Id: 1.1.0.0</b>
<i>Description</i> The ASCII File Specification Name class indicates a system file including directory path, file name, and file extension.			
<i>Schema Base Type:</i> token			
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>No Pattern</i>			

## ASCII\_Integer

<b>Name: ASCII_Integer</b>			<b>Version Id: 1.1.0.0</b>
<i>Description</i> The ASCII_Integer class indicates an integer.			

<b>Name: ASCII_Integer</b>			<b>Version Id: 1.1.0.0</b>
<i>Description</i> The ASCII_Integer class indicates an integer.			
<i>Schema Base Type:</i> integer			
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>No Pattern</i>			

## ASCII\_LID

<b>Name: ASCII_LID</b>			<b>Version Id: 1.1.0.0</b>
<i>Description</i> The ASCII_LID class indicates a logical identifier.			
<i>Schema Base Type:</i> string			
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 14	<i>Maximum Characters:</i> 255
<i>No Pattern</i>			

## ASCII\_LIDVID

<b>Name: ASCII_LIDVID</b>			<b>Version Id: 1.1.0.0</b>
<i>Description</i> The ASCII_LIDVID class indicates a logical identifier and version identifier.			
<i>Schema Base Type:</i> string			
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 19	<i>Maximum Characters:</i> 255
<i>No Pattern</i>			

## ASCII\_LIDVID\_LID

<b>Name: ASCII_LIDVID_LID</b>			<b>Version Id: 1.1.0.0</b>
<i>Description</i> The ASCII_LIDVID_LID class indicates a logical identifier and version identifier or simply the logical identifier.			
<i>Schema Base Type:</i> string			
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 14	<i>Maximum Characters:</i> 255
<i>No Pattern</i>			

## ASCII\_MD5\_Checksum

<b>Name: ASCII_MD5_Checksum</b>			<b>Version Id: 1.1.0.0</b>
<i>Description</i> The ASCII MD5 Checksum class indicates a checksum computed by the Message-Digest algorithm 5 (MD5).			
<i>Schema Base Type:</i> string			
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 32	<i>Maximum Characters:</i> 32

<b>Name:</b> ASCII_MD5_Checksum		<b>Version Id:</b> 1.1.0.0	
		<i>Pattern</i>	
		[0-9a-fA-F]{32}	

## ASCII\_NonNegative\_Integer

<b>Name:</b> ASCII_NonNegative_Integer		<b>Version Id:</b> 1.0.0.0	
<i>Description</i> The ASCII_NonNegative_Integer class indicates a non-negative integer.			
<i>Schema Base Type:</i> nonNegativeInteger			
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>No Pattern</i>			

## ASCII\_Numeric\_Base16

<b>Name:</b> ASCII_Numeric_Base16		<b>Version Id:</b> 1.0.0.0	
<i>Description</i> The ASCII Numeric Base16 class indicates a ASCII encoded string constrained to hexadecimal digits.			
<i>Schema Base Type:</i> hexBinary			
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>No Pattern</i>			

## ASCII\_Numeric\_Base2

<b>Name:</b> ASCII_Numeric_Base2		<b>Version Id:</b> 1.2.0.0	
<i>Description</i> The ASCII Numeric Base2 class indicates a ASCII encoded string constrained to binary digits.			
<i>Schema Base Type:</i> string			
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Pattern</i>			
[0-1]{1,255}			

## ASCII\_Numeric\_Base8

<b>Name:</b> ASCII_Numeric_Base8		<b>Version Id:</b> 1.2.0.0	
<i>Description</i> The ASCII Numeric Base8 class indicates a ASCII encoded string constrained to octal digits.			
<i>Schema Base Type:</i> string			
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255

<b>Name: ASCII_Numeric_Base8</b>		<b>Version Id: 1.2.0.0</b>	
		<i>Pattern</i>	
		[0-7]{1,255}	

## ASCII\_Real

<b>Name: ASCII_Real</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description</i> The ASCII_Real class indicates a real.			
<i>Schema Base Type:</i> double			
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>No Pattern</i>			

## ASCII\_Short\_String\_Collapsed

<b>Name: ASCII_Short_String_Collapsed</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description</i> The ASCII_Short_String_Collapsed class indicates a limited length, whitespace-collapsed string.			
<i>Schema Base Type:</i> token			
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>No Pattern</i>			

## ASCII\_Short\_String\_Preserved

<b>Name: ASCII_Short_String_Preserved</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description</i> The ASCII_Short_String_Preserved class indicates a limited length, whitespace-preserved string.			
<i>Schema Base Type:</i> string			
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>No Pattern</i>			

## ASCII\_String

<b>Name: ASCII_String</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description</i> The ASCII_String class indicates a limited length ASCII text string with whitespaces removed.			
<i>Schema Base Type:</i> token			
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> None
<i>No Pattern</i>			

## ASCII\_Text\_Collapsed

<b>Name:</b> ASCII_Text_Collapsed			<b>Version Id:</b> 1.0.0.0
<i>Description</i> The ASCII_Text_Collapsed class indicates an unlimited length, whitespace-collapsed text string.			
<i>Schema Base Type:</i> token			
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> None
<i>No Pattern</i>			

## ASCII\_Text\_Preserved

<b>Name:</b> ASCII_Text_Preserved			<b>Version Id:</b> 1.0.0.0
<i>Description</i> The ASCII_Text_Preserved class indicates an unlimited length, whitespace-preserved text string.			
<i>Schema Base Type:</i> string			
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> None
<i>No Pattern</i>			

## ASCII\_Time

<b>Name:</b> ASCII_Time			<b>Version Id:</b> 1.1.0.0
<i>Description</i> The ASCII_Time class indicates a time value.			
<i>Schema Base Type:</i> string			
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Pattern</i>			
((([0-1][0-9]) (2[0-3])):[0-5][0-9](Z?))			
((([0-1][0-9]) (2[0-3])):[0-5][0-9]:((([0-5][0-9]) 60)(\.[0-9]+))(Z?))			
((([0-1][0-9]) (2[0-4]))(Z?))			
24:00((:00(\.[0+])))(Z?)			

## ASCII\_VID

<b>Name:</b> ASCII_VID			<b>Version Id:</b> 1.1.0.0
<i>Description</i> The ASCII_VID class indicates a version identifier.			
<i>Schema Base Type:</i> string			
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 3	<i>Maximum Characters:</i> 100
<i>Pattern</i>			



<b>Name: ASCII_VID</b>		<b>Version Id: 1.1.0.0</b>	
	0\\.([1-9] ([0-9][0-9]+))		
	[1-9][0-9]*		
	[1-9][0-9]*\\. [0-9]+		

## Binary\_Data\_Type

<b>Name: Binary_Data_Type</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description</i> The Binary Data Type class is the abstract parent class for binary data types found in the digital objects.			
<i>Schema Base Type:</i> None			
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>No Pattern</i>			

## Character\_Data\_Type

<b>Name: Character_Data_Type</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description</i> The Character Data Type class is the parent class for data types used to classify the values of attributes in class descriptions, i.e., product labels and character digital objects.			
<i>Schema Base Type:</i> None			
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>No Pattern</i>			

## Complex

<b>Name: Complex</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description</i> Complex Binary Data Types			
<i>Schema Base Type:</i> None			
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>No Pattern</i>			

## ComplexLSB16

<b>Name: ComplexLSB16</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description</i> Complex number consisting of two LSB 8 byte decimal reals.			
<i>Schema Base Type:</i> None			
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>No Pattern</i>			

## ComplexLSB8

<b>Name: ComplexLSB8</b>			<b>Version Id: 1.0.0.0</b>
<i>Description</i> Complex number consisting of two LSB 4 byte decimal reals.			
<i>Schema Base Type:</i> None			
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>No Pattern</i>			

## ComplexMSB16

<b>Name: ComplexMSB16</b>			<b>Version Id: 1.0.0.0</b>
<i>Description</i> Complex number consisting of two MSB 8 byte decimal reals.			
<i>Schema Base Type:</i> None			
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>No Pattern</i>			

## ComplexMSB8

<b>Name: ComplexMSB8</b>			<b>Version Id: 1.0.0.0</b>
<i>Description</i> Complex number consisting of two MSB 4 byte decimal reals.			
<i>Schema Base Type:</i> None			
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>No Pattern</i>			

## Data\_Type

<b>Name: Data_Type</b>			<b>Version Id: 1.0.0.0</b>
<i>Description</i> The Data Type class is the abstract parent class for several classes of data types.			
<i>Schema Base Type:</i> None			
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>No Pattern</i>			

## Decimal\_Integer

<b>Name: Decimal_Integer</b>			<b>Version Id: 1.0.0.0</b>
<i>Description</i> Decimal Integer Binary Data Types			
<i>Schema Base Type:</i> None			

<b>Name: Decimal_Integer</b>			<b>Version Id: 1.0.0.0</b>
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>No Pattern</i>			

## Decimal\_Real

<b>Name: Decimal_Real</b>			<b>Version Id: 1.0.0.0</b>
<i>Description</i> Floating Point Binary Data Types			
<i>Schema Base Type:</i> None			
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>No Pattern</i>			

## IEEE754LSBDouble

<b>Name: IEEE754LSBDouble</b>			<b>Version Id: 1.0.0.0</b>
<i>Description</i> IEEE 754 LSB double precision floating point			
<i>Schema Base Type:</i> None			
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>No Pattern</i>			

## IEEE754LSBSingle

<b>Name: IEEE754LSBSingle</b>			<b>Version Id: 1.0.0.0</b>
<i>Description</i> IEEE 754 LSB single precision floating point			
<i>Schema Base Type:</i> None			
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>No Pattern</i>			

## IEEE754MSBDouble

<b>Name: IEEE754MSBDouble</b>			<b>Version Id: 1.0.0.0</b>
<i>Description</i> IEEE 754 MSB double precision floating point			
<i>Schema Base Type:</i> None			
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>No Pattern</i>			

## IEEE754MSBSingle

<b>Name: IEEE754MSBSingle</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description</i> IEEE 754 MSB single precision floating point			
<i>Schema Base Type:</i> None			
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>No Pattern</i>			

## SignedBitString

<b>Name: SignedBitString</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description</i> Signed Bit String			
<i>Schema Base Type:</i> None			
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>No Pattern</i>			

## SignedByte

<b>Name: SignedByte</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description</i> Signed 8-bit byte			
<i>Schema Base Type:</i> None			
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>No Pattern</i>			

## SignedLSB2

<b>Name: SignedLSB2</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description</i> Signed 2's-complement LSB 2-byte integer			
<i>Schema Base Type:</i> None			
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>No Pattern</i>			

## SignedLSB4

<b>Name: SignedLSB4</b>		<b>Version Id: 1.0.0.0</b>	
<i>Description</i> Signed 2's-complement LSB 4-byte integer			
<i>Schema Base Type:</i> None			

<b>Name: SignedLSB4</b>			<b>Version Id: 1.0.0.0</b>
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>No Pattern</i>			

## SignedLSB8

<b>Name: SignedLSB8</b>			<b>Version Id: 1.0.0.0</b>
<i>Description</i> Signed 2's-complement LSB 8-byte integer			
<i>Schema Base Type:</i> None			
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>No Pattern</i>			

## SignedMSB2

<b>Name: SignedMSB2</b>			<b>Version Id: 1.0.0.0</b>
<i>Description</i> Signed 2's-complement MSB 2-byte integer			
<i>Schema Base Type:</i> None			
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>No Pattern</i>			

## SignedMSB4

<b>Name: SignedMSB4</b>			<b>Version Id: 1.0.0.0</b>
<i>Description</i> Signed 2's-complement MSB 4-byte integer			
<i>Schema Base Type:</i> None			
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>No Pattern</i>			

## SignedMSB8

<b>Name: SignedMSB8</b>			<b>Version Id: 1.0.0.0</b>
<i>Description</i> Signed 2's-complement MSB 8-byte integer			
<i>Schema Base Type:</i> None			
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>No Pattern</i>			

## UTF8\_Short\_String\_Collapsed

<b>Name:</b> UTF8_Short_String_Collapsed		<b>Version Id:</b> 1.0.0.0	
<i>Description</i> The UTF8_Short_String_Collapsed class indicates a limited length, whitespace-collapsed string constrained to the UTF-8 character encoding.			
<i>Schema Base Type:</i> token			
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>No Pattern</i>			

## UTF8\_Short\_String\_Preserved

<b>Name:</b> UTF8_Short_String_Preserved		<b>Version Id:</b> 1.0.0.0	
<i>Description</i> The UTF8_Short_String_Preserved class indicates a limited length, whitespace-preserved string constrained to the UTF-8 character encoding.			
<i>Schema Base Type:</i> string			
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>No Pattern</i>			

## UTF8\_String

<b>Name:</b> UTF8_String		<b>Version Id:</b> 1.0.0.0	
<i>Description</i> The UTF8_String class indicates a limited length UTF8 text string with whitespaces removed.			
<i>Schema Base Type:</i> token			
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> None
<i>No Pattern</i>			

## UTF8\_Text\_Preserved

<b>Name:</b> UTF8_Text_Preserved		<b>Version Id:</b> 1.0.0.0	
<i>Description</i> The UTF8_Text_Preserved class indicates an unlimited length, whitespace-preserved text string constrained to the UTF-8 character encoding.			
<i>Schema Base Type:</i> string			
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> None
<i>No Pattern</i>			

## UnsignedBitString

<b>Name: UnsignedBitString</b>			<b>Version Id: 1.0.0.0</b>
<i>Description</i> Unsigned Bit String			
<i>Schema Base Type:</i> None			
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>No Pattern</i>			

## UnsignedByte

<b>Name: UnsignedByte</b>			<b>Version Id: 1.0.0.0</b>
<i>Description</i> Unsigned 8-bit byte			
<i>Schema Base Type:</i> None			
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>No Pattern</i>			

## UnsignedLSB2

<b>Name: UnsignedLSB2</b>			<b>Version Id: 1.0.0.0</b>
<i>Description</i> Unsigned 2's-complement LSB 2-byte integer			
<i>Schema Base Type:</i> None			
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>No Pattern</i>			

## UnsignedLSB4

<b>Name: UnsignedLSB4</b>			<b>Version Id: 1.0.0.0</b>
<i>Description</i> Unsigned 2's-complement LSB 4-byte integer			
<i>Schema Base Type:</i> None			
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>No Pattern</i>			

## UnsignedLSB8

<b>Name: UnsignedLSB8</b>			<b>Version Id: 1.0.0.0</b>
<i>Description</i> Unsigned 2's-complement LSB 8-byte integer			
<i>Schema Base Type:</i> None			

<b>Name: UnsignedLSB8</b>			<b>Version Id: 1.0.0.0</b>
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>No Pattern</i>			

## UnsignedMSB2

<b>Name: UnsignedMSB2</b>			<b>Version Id: 1.0.0.0</b>
<i>Description</i> Unsigned 2's-complement MSB 2-byte integer			
<i>Schema Base Type:</i> None			
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>No Pattern</i>			

## UnsignedMSB4

<b>Name: UnsignedMSB4</b>			<b>Version Id: 1.0.0.0</b>
<i>Description</i> Unsigned 2's-complement MSB 4-byte integer			
<i>Schema Base Type:</i> None			
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>No Pattern</i>			

## UnsignedMSB8

<b>Name: UnsignedMSB8</b>			<b>Version Id: 1.0.0.0</b>
<i>Description</i> Unsigned 2's-complement MSB 8-byte integer			
<i>Schema Base Type:</i> None			
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>No Pattern</i>			



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# Chapter 13. Units of Measure in the common (pds) namespace.

These classes define the PDS4 units of measure.

## Unit\_Of\_Measure

<b>Name: Unit_Of_Measure</b>		<b>Version Id: 1.1.0.0</b>
<i>Description:</i> The Unit_Of_Measure is a definite magnitude of a quantity.		
	<i>Unit Id</i>	
	None	

## Units\_of\_Acceleration

<b>Name: Units_of_Acceleration</b>		<b>Version Id: 1.0.0.0</b>
<i>Description:</i> Units_of_Acceleration is a magnitude of acceleration.		
	<i>Unit Id</i>	
	cm/s**2	The abbreviated unit for Units_of_Acceleration is cm/s**2
	km/s**2	The abbreviated unit for Units_of_Acceleration is km/s**2
	m/s**2	The abbreviated unit for Units_of_Acceleration is m/s**2

## Units\_of\_Amount\_Of\_Substance

<b>Name: Units_of_Amount_Of_Substance</b>		<b>Version Id: 1.0.0.0</b>
<i>Description:</i> Units_of_Amount_Of_Substance is a magnitude of mass.		
	<i>Unit Id</i>	
	mol	The abbreviated unit for Units_of_Amount_Of_Substance is mol

## Units\_of\_Angle

<b>Name: Units_of_Angle</b>		<b>Version Id: 1.0.0.0</b>
<i>Description:</i> Units_of_Angle is a magnitude of angle.		
	<i>Unit Id</i>	
	arcmin	The abbreviated unit for Units_of_Angle is arcmin
	arcsec	The abbreviated unit for Units_of_Angle is arcsec
	deg	The abbreviated unit for Units_of_Angle is deg
	hr	The abbreviated unit for Units_of_Angle is hr
	mrاد	The abbreviated unit for Units_of_Angle is mrاد

<b>Name: Units_of_Angle</b>		<b>Version Id: 1.0.0.0</b>
	rad	The abbreviated unit for Units_of_Angle is rad

## Units\_of\_Angular\_Velocity

<b>Name: Units_of_Angular_Velocity</b>		<b>Version Id: 1.0.0.0</b>
<i>Description:</i> Units_of_Angular_Velocity is a magnitude of speed of rotation.		
	<i>Unit Id</i>	
	deg/day	The abbreviated unit for Units_of_Angular_Velocity is deg/day
	deg/s	The abbreviated unit for Units_of_Angular_Velocity is deg/s
	rad/s	The abbreviated unit for Units_of_Angular_Velocity is rad/s

## Units\_of\_Area

<b>Name: Units_of_Area</b>		<b>Version Id: 1.0.0.0</b>
<i>Description:</i> Units_of_Area is a magnitude of area.		
	<i>Unit Id</i>	
	m**2	The abbreviated unit for Units_of_Area is m**2

## Units\_of\_Current

<b>Name: Units_of_Current</b>		<b>Version Id: 1.1.0.0</b>
<i>Description:</i> Units_of_Current is a magnitude of current.		
	<i>Unit Id</i>	
	A	The abbreviated unit for Units_of_Current is A
	mA	The abbreviated unit for Units_of_Current is mA

## Units\_of\_Frame\_Rate

<b>Name: Units_of_Frame_Rate</b>		<b>Version Id: 1.0.0.0</b>
<i>Description:</i> Units_of_Frame_Rate is a magnitude of change.		
	<i>Unit Id</i>	
	frames/s	The abbreviated unit for Units_of_Frame_Rate is frames/s

## Units\_of\_Frequency

<b>Name: Units_of_Frequency</b>		<b>Version Id: 1.0.0.0</b>
<i>Description:</i> Units_of_Frequency is a magnitude of frequency.		
	<i>Unit Id</i>	
	Hz	The abbreviated unit for Units_of_Frequency is Hz

## Units\_of\_Length

<b>Name: Units_of_Length</b>		<b>Version Id: 1.0.0.0</b>
<i>Description:</i> Units_of_Length is a magnitude of length.		
	<i>Unit Id</i>	
	AU	The abbreviated unit for Units_of_Length is AU (astronomical unit)
	Angstrom	The abbreviated unit for Units_of_Length is Angstrom
	cm	The abbreviated unit for Units_of_Length is cm
	km	The abbreviated unit for Units_of_Length is km
	m	The abbreviated unit for Units_of_Length is m
	micrometer	The abbreviated unit for Units_of_Length is micrometer (10 <sup>-6</sup> m)
	mm	The abbreviated unit for Units_of_Length is mm (10 <sup>-3</sup> m)
	nm	The abbreviated unit for Units_of_Length is nm (10 <sup>-9</sup> m)

## Units\_of\_Map\_Scale

<b>Name: Units_of_Map_Scale</b>		<b>Version Id: 1.0.0.0</b>
<i>Description:</i> Units_of_Map_Scale is a proportional representation.		
	<i>Unit Id</i>	
	km/pixel	The abbreviated unit for Units_of_Map_Scale is km/pixel
	m/pixel	The abbreviated unit for Units_of_Map_Scale is m/pixel
	mm/pixel	The abbreviated unit for Units_of_Map_Scale is mm/pixel
	pixel/deg	The abbreviated unit for Units_of_Map_Scale is pixel/deg

## Units\_of\_Mass

<b>Name: Units_of_Mass</b>		<b>Version Id: 1.0.0.0</b>
<i>Description:</i> Units_of_Mass is a magnitude of mass.		
	<i>Unit Id</i>	
	g	The abbreviated unit for Units_of_Mass is g
	kg	The abbreviated unit for Units_of_Mass is kg

## Units\_of\_Misc

<b>Name: Units_of_Misc</b>		<b>Version Id: 1.0.0.0</b>
<i>Description:</i> Units_of_Misc provides an assortment of derived units.		

<b>Name: Units_of_Misc</b>		<b>Version Id: 1.0.0.0</b>
	<i>Unit Id</i>	
	DN	The abbreviated unit for Units_of_Misc is DN
	electron/DN	The abbreviated unit for Units_of_Misc is electron/DN
	pixel	The abbreviated unit for Units_of_Misc is pixel

## Units\_of\_None

<b>Name: Units_of_None</b>		<b>Version Id: 1.0.0.0</b>
<i>Description:</i> Units_of_None indicates that no unit of measure applies.		
	<i>Unit Id</i>	
	none	Dimensionless quantities have no abbreviated unit

## Units\_of\_Optical\_Path\_Length

<b>Name: Units_of_Optical_Path_Length</b>		<b>Version Id: 1.0.0.0</b>
<i>Description:</i> Units_of_Optical_Path_Length is a magnitude of optical path length.		
	<i>Unit Id</i>	
	airmass	The abbreviated unit for Units_of_Optical_Path_Length is airmass

## Units\_of\_Pressure

<b>Name: Units_of_Pressure</b>		<b>Version Id: 1.0.0.0</b>
<i>Description:</i> Units_of_Pressure is a magnitude of pressure.		
	<i>Unit Id</i>	
	Pa	The abbreviated unit for Units_of_Pressure is Pa
	bar	The abbreviated unit for Units_of_Pressure is bar (10**5 Pa)
	hPa	The abbreviated unit for Units_of_Pressure is hPa (100 Pa)
	mbar	The abbreviated unit for Units_of_Pressure is mbar (100 Pa)

## Units\_of\_Radiance

<b>Name: Units_of_Radiance</b>		<b>Version Id: 1.1.0.0</b>
<i>Description:</i> Units_of_Radiance is a magnitude of radiance.		
	<i>Unit Id</i>	
	$W \cdot m^{-2} \cdot sr^{-1}$	The abbreviated unit of Units_of_Radiance is $W \cdot m^{-2} \cdot sr^{-1}$
	$W/(m^2 \cdot sr)$	The abbreviated unit of Units_of_Radiance is $W/(m^2 \cdot sr)$

## Units\_of\_Rates

<b>Name: Units_of_Rates</b>		<b>Version Id: 1.0.0.0</b>
<i>Description:</i> Units_of_Rate is a magnitude of change.		
	<i>Unit Id</i>	
	counts/bin	The abbreviated unit for Units_of_Rates is counts/bin
	kilobits/s	The abbreviated unit for Units_of_Rates is kilobits/s

## Units\_of\_Solid\_Angle

<b>Name: Units_of_Solid_Angle</b>		<b>Version Id: 1.0.0.0</b>
<i>Description:</i> Units_of_Solid_Angle is a magnitude of a solid angle.		
	<i>Unit Id</i>	
	sr	The abbreviated unit for Units_of_Solid_Angle is sr

## Units\_of\_Spectral\_Irradiance

<b>Name: Units_of_Spectral_Irradiance</b>		<b>Version Id: 1.0.0.0</b>
<i>Description:</i> A measure of the power of radiation at a particular frequency or wavelength that passes through a unit area.		
	<i>Unit Id</i>	
	SFU	The abbreviated unit for Units_of_Spectral_Irradiance is SFU
	$W \cdot m^{-2} \cdot Hz^{-1}$	The abbreviated unit for Units_of_Spectral_Irradiance is $W \cdot m^{-2} \cdot Hz^{-1}$
	$W \cdot m^{-2} \cdot nm^{-1}$	The abbreviated unit for Units_of_Spectral_Irradiance is $W \cdot m^{-2} \cdot nm^{-1}$
	$W \cdot m^{-3}$	The abbreviated unit for Units_of_Spectral_Irradiance is $W \cdot m^{-3}$
	$W/m^2/Hz$	The abbreviated unit of Units_of_Spectral_Irradiance is $W/m^2/Hz$
	$W/m^2/nm$	The abbreviated unit of Units_of_Spectral_Irradiance is $W/m^2/nm$
	$W/m^3$	The abbreviated unit of Units_of_Spectral_Irradiance is $W/m^3$
	$uW \cdot cm^{-2} \cdot um^{-1}$	The abbreviated unit for Units_of_Spectral_Irradiance is $uW \cdot cm^{-2} \cdot um^{-1}$
	$\mu W/cm^2/\mu m$	The abbreviated unit for Units_of_Spectral_Radiance is $\mu W/cm^2/\mu m$

## Units\_of\_Spectral\_Radiance

<b>Name: Units_of_Spectral_Radiance</b>		<b>Version Id: 1.0.0.0</b>
<i>Description:</i> A measure of the power of radiation at a particular frequency or wavelength that passes through a unit area and a unit solid angle in a specified direction.		
	<i>Unit Id</i>	
	$W*m^{**2}*sr^{**1}*Hz^{**1}$	The abbreviated unit for Units_of_Spectral_Radiance is $W*m^{**2}*sr^{**1}*Hz^{**1}$
	$W*m^{**2}*sr^{**1}*nm^{**1}$	The abbreviated unit for Units_of_Spectral_Radiance is $W*m^{**2}*sr^{**1}*nm^{**1}$
	$W*m^{**2}*sr^{**1}*um^{**1}$	The abbreviated unit for Units_of_Spectral_Radiance is $W*m^{**2}*sr^{**1}*um^{**1}$
	$W*m^{**3}*sr^{**1}$	The abbreviated unit for Units_of_Spectral_Radiance is $W*m^{**3}*sr^{**1}$
	$W/m^{**2}/sr/Hz$	The abbreviated unit of Units_of_Spectral_Radiance is $W/m^{**2}/sr/Hz$
	$W/m^{**2}/sr/nm$	The abbreviated unit of Units_of_Spectral_Radiance is $W/m^{**2}/sr/nm$
	$W/m^{**2}/sr/\mu m$	The abbreviated unit for Units_of_Spectral_Radiance is $W/m^{**2}/sr/\mu m$
	$W/m^{**3}/sr$	The abbreviated unit of Units_of_Spectral_Radiance is $W/m^{**3}/sr$
	$uW*cm^{**2}*sr^{**1}*um^{**1}$	The abbreviated unit for Units_of_Spectral_Radiance is $uW*cm^{**2}*sr^{**1}*um^{**1}$
	$\mu W/cm^{**2}/sr/\mu m$	The abbreviated unit for Units_of_Spectral_Radiance is $\mu W/cm^{**2}/sr/\mu m$

## Units\_of\_Storage

<b>Name: Units_of_Storage</b>		<b>Version Id: 1.0.0.0</b>
<i>Description:</i> Units_of_Storage is an amount of computer storage.		
	<i>Unit Id</i>	
	byte	The abbreviated unit of Units_of_Storage is byte

## Units\_of\_Temperature

<b>Name: Units_of_Temperature</b>		<b>Version Id: 1.0.0.0</b>
<i>Description:</i> Units_of_Temperature is a magnitude of temperature.		
	<i>Unit Id</i>	
	K	The abbreviated unit of Units_of_Temperature is K

<b>Name: Units_of_Temperature</b>		<b>Version Id: 1.0.0.0</b>
	degC	The abbreviated unit of Units_of_Temperature is degC

## Units\_of\_Time

<b>Name: Units_of_Time</b>		<b>Version Id: 1.0.0.0</b>
<i>Description:</i> Units_of_Time is a magnitude of time.		
	<i>Unit Id</i>	
	day	The abbreviated unit for Units_of_Time is day
	hr	The abbreviated unit for Units_of_Time is hr
	julian day	The abbreviated unit for Units_of_Time is julian day
	microseconds	The abbreviated unit for Units_of_Time is microseconds
	min	The abbreviated unit for Units_of_Time is min
	ms	The abbreviated unit for Units_of_Time is ms
	s	The abbreviated unit for Units_of_Time is s
	yr	The abbreviated unit for Units_of_Time is yr

## Units\_of\_Velocity

<b>Name: Units_of_Velocity</b>		<b>Version Id: 1.0.0.0</b>
<i>Description:</i> Units_of_Velocity is a magnitude of velocity.		
	<i>Unit Id</i>	
	cm/s	The abbreviated unit for Units_of_Velocity is cm/s
	km/s	The abbreviated unit for Units_of_Velocity is km/s
	m/s	The abbreviated unit for Units_of_Velocity is m/s

## Units\_of\_Voltage

<b>Name: Units_of_Voltage</b>		<b>Version Id: 1.0.0.0</b>
<i>Description:</i> Units_of_Voltage is a magnitude of voltage.		
	<i>Unit Id</i>	
	V	The abbreviated unit for Units_of_Voltage is V
	mV	The abbreviated unit for Units_of_Voltage is mV

## Units\_of\_Volume

<b>Name: Units_of_Volume</b>		<b>Version Id: 1.0.0.0</b>
<i>Description:</i> Units_of_Volume is a magnitude of volume.		

<b>Name: Units_of_Volume</b>		<b>Version Id: 1.0.0.0</b>
	<i>Unit Id</i>	
	L	The abbreviated unit for Units_of_Volume is L
	m**3	The abbreviated unit for Units_of_Volume is m**3

## Units\_of\_Wavenumber

<b>Name: Units_of_Wavenumber</b>		<b>Version Id: 1.0.0.0</b>
<i>Description:</i> Units_of_Wavenumber is the number of waves that occur per unit distance, i.e., inverse length		
	<i>Unit Id</i>	
	1/cm	The abbreviated unit of Units_of_Wavenumber is 1/cm
	1/m	The abbreviated unit of Units_of_Wavenumber is 1/m
	1/nm	The abbreviated unit of Units_of_Wavenumber is 1/nm
	cm**-1	The abbreviated unit for Units_of_Wavenumber is cm**-1
	m**-1	The abbreviated unit for Units_of_Wavenumber is m**-1
	nm**-1	The abbreviated unit for Units_of_Wavenumber is nm**-1