

PDS4 Data Dictionary

Abridged - Version 1.9.0.0

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Chapter 1. Introduction

The Data Dictionary defines the organization and components of product labels. Components of a product label include classes and their attributes.

Audience

The 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 Data Dictionary and the Information Model is a joint effort involving discipline experts functioning as a data design working group.

Scope

The Data Dictionary defines the common and discipline level classes and attributes used to create 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 unabridge version includes an entry for each use of an attribute in a class.

Applicable Documents

Controlling Documents

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

These classes define the products.

Ingest_LDD

Name: Ingest_LDD			Version Id: 1.1.0.0
<i>Description:</i> The Ingest_LDD class provides a form for collecting class and attribute definitions.			
Namespace Id: pds	Steward: ops	Role: concrete	Status: Active
<i>Class Hierarchy:</i> Tagged_NonDigital_Object :: TNDO_Supplemental :: Ingest_LDD			
Attribute(s)	Name	Cardinality	Value
	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
Association(s)	Name	Cardinality	Class
	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

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

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

Product_Ancillary

Name: Product_Ancillary	Version Id: 1.0.0.0		
<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

Name: Product_Attribute_Definition	Version Id: 1.0.0.0		
<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

Name: Product_Browse	Version Id: 1.0.0.0		
<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

Product Classes in the common namespace.

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

Product_Bundle

Name: Product_Bundle			Version Id: 1.1.0.0
<i>Description:</i> A Product_Bundle is an aggregate product and has a table of references to one or more collections.			
Namespace Id: pds	Steward: pds	Role: concrete	Status: Active
<i>Class Hierarchy:</i> Product :: Product_Bundle			
<i>No Attributes</i>			
Association(s)	Name	Cardinality	Class
	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

Name: Product_Class_Definition			Version Id: 1.0.0.0
<i>Description:</i> The Product Class Definition provides a class definition in XML encoding.			
Namespace Id: pds	Steward: ops	Role: concrete	Status: Active
<i>Class Hierarchy:</i> Product :: Product_Class_Definition			
<i>No Attributes</i>			
Association(s)	Name	Cardinality	Class
	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

Name: Product_Collection			Version Id: 1.1.0.0
<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.			
Namespace Id: pds	Steward: pds	Role: concrete	Status: Active
<i>Class Hierarchy:</i> Product :: Product_Collection			
<i>No Attributes</i>			

Name: Product_Collection			Version Id: 1.1.0.0
Association(s)	Name	Cardinality	Class
	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

Referenced from: None

Product_Context

Name: Product_Context			Version Id: 1.1.0.0
<i>Description:</i> The Product Context class describes something that provides context and provenance for an observational product.			
Namespace Id:	pds	Steward:	pds
<i>Class Hierarchy:</i> Product :: Product_Context			
<i>No Attributes</i>			
Association(s)	Name	Cardinality	Class
	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, Airborne, Facility, Instrument, Instrument_Host, Investigation, Node, Other, PDS_Affiliate, PDS_Guest, Resource, Target, Telescope

Referenced from: None

Product_DIP

Name: Product_DIP			Version Id: 1.0.0.0
<i>Description:</i> The Product DIP class defines a product for the Dissemination Information Package.			
Namespace Id:	pds	Steward:	ops
<i>Class Hierarchy:</i> Product :: Product_DIP			
<i>No Attributes</i>			
Association(s)	Name	Cardinality	Class
	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

Referenced from: None

Product_DIP_Deep_Archive

Name: Product_DIP_Deep_Archive	Version Id: 1.0.0.0		
<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

Name: Product_Data_Set_PDS3	Version Id: 1.0.0.0		
<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

Name: Product_Document	Version Id: 2.1.0.0		
<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

Name: Product_File_Repository			Version Id: 1.0.0.0
<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

Name: Product_File_Text			Version Id: 1.0.0.0
<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

Name: Product_Instrument_Host_PDS3			Version Id: 1.0.0.0
<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

Name: Product_Instrument_PDS3		Version Id: 1.0.0.0
<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>Class Hierarchy:</i> Product :: Product_Instrument_PDS3		
<i>No Attributes</i>		
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>
	has_identification_area	1..1
	reference_list	0..1
	product_data_object	1..1
<i>Referenced from:</i> None		

Product_Metadata_Supplemental

Name: Product_Metadata_Supplemental		Version Id: 1.0.0.0
<i>Description:</i> The Product_Metadata_Supplemental class is used to provide new, and/or improved, metadata for some or all of the basic products in a single collection. More than one Product_Metadata_Supplemental may apply to any given collection, but a Product_Metadata_Supplemental may only be associated with a single collection. Each Product_Metadata_Supplemental will be a primary member of the collection to which it applies.		
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Role:</i> concrete
<i>Class Hierarchy:</i> Product :: Product_Metadata_Supplemental		
<i>No Attributes</i>		
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>
	has_identification_area	1..1
	reference_list	0..1
	file_area	1..1
<i>Referenced from:</i> None		

Product_Mission_PDS3

Name: Product_Mission_PDS3		Version Id: 1.0.0.0
<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>Class Hierarchy:</i> Product :: Product_Mission_PDS3		
<i>No Attributes</i>		
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>
	has_identification_area	1..1
	reference_list	0..1
	product_data_object	1..1
<i>Referenced from:</i> None		

Product_Native

Name: Product_Native		Version Id: 1.2.0.0	
<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

Name: Product_Observational		Version Id: 1.7.0.0	
<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

Name: Product_Proxy_PDS3		Version Id: 1.0.0.0	
<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

Name: Product_Proxy_PDS3			Version Id: 1.0.0.0
	reference_list	0..1	Reference_List
	file_area	1..Unbounded	File_Area_Binary
<i>Referenced from:</i> None			

Product_SIP

Name: Product_SIP			Version Id: 1.0.0.0
<i>Description:</i> The Product SIP class defines a product for the Submission Information Package.			
Namespace Id: pds	Steward: ops	Role: concrete	Status: Active
<i>Class Hierarchy:</i> Product :: Product_SIP			
<i>No Attributes</i>			
Association(s)	Name	Cardinality	Class
	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	Submission_Information_Package
<i>Referenced from:</i> None			

Product_SIP_Deep_Archive

Name: Product_SIP_Deep_Archive			Version Id: 1.1.0.0
<i>Description:</i> The Product SIP Deep Archive class defines a Submission Information Package (SIP) for the NASA planetary science deep archive.			
Namespace Id: pds	Steward: ops	Role: concrete	Status: Active
<i>Class Hierarchy:</i> Product :: Product_SIP_Deep_Archive			
<i>No Attributes</i>			
Association(s)	Name	Cardinality	Class
	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

Name: Product_SPICE_Kernel			Version Id: 1.0.0.0
<i>Description:</i> The Product SPICE Kernel class defines a SPICE kernel product.			
Namespace Id: pds	Steward: pds	Role: concrete	Status: Active
<i>Class Hierarchy:</i> Product :: Product_SPICE_Kernel			

Name: Product_SPICE_Kernel			Version Id: 1.0.0.0
<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

Name: Product_Service			Version Id: 1.1.0.0
<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
<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

Name: Product_Software			Version Id: 1.0.0.0
<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

Name: Product_Subscription_PDS3			Version Id: 1.0.0.0
<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

Name: Product_Target_PDS3			Version Id: 1.0.0.0
<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

Name: Product_Thumbnail			Version Id: 1.0.0.0
<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 *Deprecated*

<i>Name:</i> Product_Update *Deprecated*			<i>Version Id:</i> 1.0.0.0
<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> Deprecated
<i>Class Hierarchy:</i> Product :: Product_Update *Deprecated*			
<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 *Deprecated*
	reference_list	0..1	Reference_List
	file_area	0..1	File_Area_Update *Deprecated*
<i>Referenced from:</i> None			

Product_Volume_PDS3

<i>Name:</i> Product_Volume_PDS3			<i>Version Id:</i> 1.0.0.0
<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

<i>Name:</i> Product_Volume_Set_PDS3			<i>Version Id:</i> 1.0.0.0
<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

Name: Product_XML_Schema		Version Id: 1.2.0.0	
<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

Name: Product_Zipped		Version Id: 1.0.0.0	
<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 namespace.

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

Agency

Name: Agency		Version Id: 1.0.0.0	
<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, Japan Aerospace Exploration Agency, National Aeronautics and Space Administration, Roscosmos State Corporation for Space Activities
	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

Name: Aggregation_Object		Version Id: 1.0.0.0	
<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			

Airborne

Name: Airborne		Version Id: 1.0.0.0	
<i>Description:</i> The Airborne class provides a description of the physical object that transports a platform by or through air.			
<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 :: Airborne			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>

Support classes in the common namespace.

Name: Airborne			Version Id: 1.0.0.0
	name	0..1	None
	type	1..1	Aircraft, Balloon, Suborbital Rocket
	description	1..1	None
<i>No Associations</i>			
<i>Referenced from:</i> Product_Context			

Alias

Name: Alias			Version Id: 1.0.0.0
<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>
		alternate_id	0..1
		alternate_title	0..1
		comment	0..1
<i>No Associations</i>			
<i>Referenced from:</i> Alias_List			

Alias_List

Name: Alias_List			Version Id: 1.0.0.0
<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>
		alias	1..Unbounded
<i>Referenced from:</i> Identification_Area			

Ancillary_Object

Name: Ancillary_Object			Version Id: 1.0.0.0
<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>
		bit_string	1..1
<i>No Associations</i>			

Support classes in the common namespace.

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

Archival_Information_Package

Name: Archival_Information_Package	Version Id: 1.0.0.0		
<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:</i> Product_AIP			

Archive_Support_Object

Name: Archive_Support_Object	Version Id: 1.0.0.0		
<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

Name: Array	Version Id: 2.0.0.0		
<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
	md5_checksum	0..1	None
	offset	1..1	None
	axes	1..1	None
	axis_index_order	1..1	Last Index Fastest

Name: Array			Version Id: 2.0.0.0
	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

Referenced from: File_Area_Ancillary, File_Area_Browse, File_Area_Observational, File_Area_Observational_Supplemental

Array_1D *Deprecated*

Name: Array_1D *Deprecated*			Version Id: 1.0.0.0
<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
<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
	md5_checksum	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

Referenced from: File_Area_Browse, File_Area_Observational, File_Area_Observational_Supplemental

Array_2D

Name: Array_2D			Version Id: 1.0.0.0
<i>Description:</i> The Array 2D class is the parent class for all two dimensional array based classes.			

Name: Array_2D				Version Id: 1.0.0.0
<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	
	md5_checksum	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	
<i>Referenced from:</i> File_Area_Ancillary, File_Area_Browse, File_Area_Observational, File_Area_Observational_Supplemental				

Array_2D_Image

Name: Array_2D_Image				Version Id: 1.1.0.0
<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	
	md5_checksum	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	

Name: Array_2D_Image			Version Id: 1.1.0.0
	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

Name: Array_2D_Map			Version Id: 1.0.0.0
<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
	md5_checksum	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_Spectrum

Name: Array_2D_Spectrum			Version Id: 1.0.0.0
<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			

Name: Array_2D_Spectrum			Version Id: 1.0.0.0
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	name	0..1	None
	local_identifier	0..1	None
	md5_checksum	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*

Referenced from: File_Area_Ancillary, File_Area_Browse, File_Area_Observational, File_Area_Observational_Supplemental

Array_3D

Name: Array_3D			Version Id: 1.0.0.0
<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
	md5_checksum	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

Support classes in the common namespace.

Name: Array_3D			Version Id: 1.0.0.0
	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

Name: Array_3D_Image			Version Id: 1.0.0.0
<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
	md5_checksum	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_Movie

Name: Array_3D_Movie			Version Id: 1.0.0.0
<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
	md5_checksum	0..1	None
	offset	1..1	None

Name: Array_3D_Movie			Version Id: 1.0.0.0
	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

Referenced from: File_Area_Ancillary, File_Area_Browse, File_Area_Observational, File_Area_Observational_Supplemental

Array_3D_Spectrum

Name: Array_3D_Spectrum			Version Id: 1.0.0.0
<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
	md5_checksum	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

Referenced from: File_Area_Ancillary, File_Area_Browse, File_Area_Observational, File_Area_Observational_Supplemental

Axis_Array

Name: Axis_Array			Version Id: 1.3.0.0
<i>Description:</i> The Axis Array class is used as a component of the array class and defines an axis of the array.			
Namespace Id: pds	Steward: pds	Role: concrete	Status: 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*

Name: Band_Bin *Deprecated*			Version Id: 1.0.0.0
<i>Description:</i> The Band_Bin class specifies the characteristics of an individual spectral band in a spectral cube.			
Namespace Id: pds	Steward: img	Role: concrete	Status: 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
	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:</i> Band_Bin_Set *Deprecated*			

Band_Bin_Set *Deprecated*

Name: Band_Bin_Set *Deprecated*			Version Id: 1.0.0.0
<i>Description:</i> The Band_Bin_Set class contains the spectral characteristics for all the spectral bands in a qube.			
<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:</i> Axis_Array			

Bundle

Name: Bundle			Version Id: 1.0.0.0
<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:</i> Product_Bundle			

Bundle_Member_Entry

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

Name: Bundle_Member_Entry			Version Id: 1.1.0.0
			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

Name: Byte_Stream			Version Id: 1.0.0.0
<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
	md5_checksum	0..1	None
<i>No Associations</i>			
<i>Referenced from:</i> None			

Checksum_Manifest

Name: Checksum_Manifest			Version Id: 1.1.0.0
<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
	md5_checksum	0..1	None
	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

Name: Citation_Information		Version Id: 1.2.0.0	
<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

Name: Collection		Version Id: 1.0.0.0	
<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

Name: Conceptual_Context_Object		Version Id: 1.0.0.0	
<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

Name: Conceptual_Object	Version Id: 1.0.0.0		
<i>Description:</i> The Conceptual Object class defines a non-tangible object that is also not a digital object.			
Namespace Id: pds	Steward: ops	Role: concrete	Status: Active
<i>Class Hierarchy:</i> Data_Object :: Conceptual_Object			
No Attributes			
No Associations			
<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 *Deprecated*, Vector, Volume_PDS3, Volume_Set_PDS3			

Context_Area

Name: Context_Area	Version Id: 1.0.0.0		
<i>Description:</i> The Context Area provides context information for a product.			
Namespace Id: pds	Steward: pds	Role: concrete	Status: 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

Name: DD_Association	Version Id: 1.2.0.0		
<i>Description:</i> The DD_Association class defines the association between two classes or a class and an attribute in a data dictionary.			
Namespace Id: pds	Steward: ops	Role: concrete	Status: Active
<i>Class Hierarchy:</i> Tagged_NonDigital_Child :: DD_Association			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	identifier_reference	1..Unbounded	None

Support classes in the common namespace.

Name: DD_Association			Version Id: 1.2.0.0
	local_identifier *Deprecated*	0..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*

Name: DD_Association_External *Deprecated*			Version Id: 1.1.0.0
<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

Name: DD_Attribute			Version Id: 1.0.0.0
<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

Name: DD_Attribute				Version Id: 1.0.0.0
	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	

Referenced from: Ingest_LDD

DD_Attribute_Full

Name: DD_Attribute_Full			Version Id: 1.0.0.0
<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
	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,

Support classes in the common namespace.

Name: DD_Attribute_Full			Version Id: 1.0.0.0
			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

Name: DD_Attribute_Reference			Version Id: 1.0.0.0
<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

Name: DD_Class			Version Id: 1.0.0.0
<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

Support classes in the common namespace.

Name: DD_Class			Version Id: 1.0.0.0
	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
Association(s)	Name	Cardinality	Class
	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

Referenced from: Ingest_LDD

DD_Class_Full

Name: DD_Class_Full			Version Id: 1.0.0.0
<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			
Attribute(s)	Name	Cardinality	Value
	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
	registration_authority_id	1..1	None
	abstract_flag	0..1	None
	element_flag	0..1	None
Association(s)	Name	Cardinality	Class
	data_object	1..1	Conceptual_Object
	dd_association	0..Unbounded	DD_Association
	terminological_entry	0..Unbounded	Terminological_Entry

Support classes in the common namespace.

Name: DD_Class_Full	Version Id: 1.0.0.0
<i>Referenced from:</i> Product_Class_Definition	

DD_Class_Reference

Name: DD_Class_Reference	Version Id: 1.0.0.0		
<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

Name: DD_Permissible_Value	Version Id: 1.1.0.0		
<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

Name: DD_Permissible_Value_Full	Version Id: 1.0.0.0		
<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			
<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

Name: DD_Rule			Version Id: 1.0.0.0
<i>Description:</i> The DD_Rule class defines a Schematron rule for a data dictionary.			
Namespace Id: pds	Steward: ops	Role: concrete	Status: 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

Name: DD_Rule_Statement			Version Id: 1.0.0.0
<i>Description:</i> The DD_Rule_Statement class defines a Schematron rule statement.			
Namespace Id: pds	Steward: ops	Role: concrete	Status: 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

Name: DD_Value_Domain			Version Id: 1.0.0.0
<i>Description:</i> The DD_Value_Domain class defines an attribute's permissible values and their constraints.			
Namespace Id: pds	Steward: ops	Role: concrete	Status: 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,

Name: DD_Value_Domain			Version Id: 1.0.0.0
			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
	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,

Support classes in the common namespace.

Name: DD_Value_Domain			Version Id: 1.0.0.0
			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_Pixel_Resolution_Angular, Units_of_Pixel_Resolution_Linear, Units_of_Pixel_Scale_Angular, Units_of_Pixel_Scale_Linear, 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
Association(s)	Name	Cardinality	Class
	permissible_value	0..Unbounded	DD_Permissible_Value
<i>Referenced from:</i> DD_Attribute			

DD_Value_Domain_Full

Name: DD_Value_Domain_Full			Version Id: 1.0.0.0
<i>Description:</i> The DD_Value_Domain_Full class provides a more complete definition of a attribute's value domain.			
Namespace Id: pds	Steward: ops	Role: concrete	Status: Active
<i>Class Hierarchy:</i> Tagged_NonDigital_Child :: DD_Value_Domain_Full			
Attribute(s)	Name	Cardinality	Value
	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_

Name: DD_Value_Domain_Full			Version Id: 1.0.0.0
			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_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_Pixel_Resolution_ Angular, Units_of_

Support classes in the common namespace.

Name: DD_Value_Domain_Full			Version Id: 1.0.0.0
			Pixel_Resolution,_Linear, Units_of,_Pixel_Scale_Angular,_Units_of_Pixel_Scale,_Linear, 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,_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

Referenced from: DD_Attribute_Full

DIP_Deep_Archive

Name: DIP_Deep_Archive			Version Id: 1.0.0.0
<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

Name: Data_Object			Version Id: 1.0.0.0
<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			

Support classes in the common namespace.

Name: Data_Object	Version Id: 1.0.0.0
No Attributes	
No Associations	
Referenced from:	None

Digital_Object

Name: Digital_Object	Version Id: 1.0.0.0		
<i>Description:</i> The Digital Object class defines a sequence of digital bits.			
Namespace Id: pds	Steward: ops	Role: concrete	Status: Active
<i>Class Hierarchy:</i> Data_Object :: Digital_Object			
Attribute(s)	Name	Cardinality	Value
	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

Name: Discipline_Area	Version Id: 1.0.0.0		
<i>Description:</i> The Discipline area allows the insertion of discipline specific metadata.			
Namespace Id: pds	Steward: pds	Role: concrete	Status: 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

Name: Discipline_Facets	Version Id: 1.0.0.0		
<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.			
Namespace Id: pds	Steward: pds	Role: concrete	Status: Active
<i>Class Hierarchy:</i> Product_Components :: Discipline_Facets			
Attribute(s)	Name	Cardinality	Value
	discipline_name	1..1	Atmospheres, Fields, Flux Measurements, Geosciences, Imaging,

Support classes in the common namespace.

Name: Discipline_Facets			Version Id: 1.0.0.0
			Particles, Radio Science, Ring-Moon Systems, 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*

Name: Display_2D_Image *Deprecated*			Version Id: 1.0.0.0
<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

Name: Dissemination_Information_Package			Version Id: 1.0.0.0
<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

Name: Document			Version Id: 2.0.0.0
<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>

Name: Document			Version Id: 2.0.0.0
	revision_id	0..1	None
	document_name	0..1	None
	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

Name: Document_Edition			Version Id: 1.0.0.0
<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	English
	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

Name: Document_File			Version Id: 1.4.0.0
<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

Name: Document_File			Version Id: 1.4.0.0
	creation_date_time	0..1	None
	file_size	0..1	None
	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, MPEG-4, Microsoft Excel, Microsoft Word, PDF, PDF/A, PNG, Postscript, Rich Text, TIFF, UTF-8 Text
Association(s)	Name	Cardinality	Class
	data_object	1..1	Digital_Object
<i>Referenced from:</i> Document_Edition			

Document_Object

Name: Document_Object			Version Id: 1.0.0.0
<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			
Attribute(s)	Name	Cardinality	Value
	bit_string	1..1	None
<i>No Associations</i>			
<i>Referenced from:</i> None			

Element_Array

Name: Element_Array			Version Id: 1.0.0.0
<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			
Attribute(s)	Name	Cardinality	Value
	data_type	1..1	ComplexLSB16, ComplexLSB8, ComplexMSB16, ComplexMSB8,

Name: Element_Array			Version Id: 1.0.0.0
			IEEE754LSBDouble, IEEE754LSBSingle, IEEE754MSBDouble, IEEE754MSBSingle, 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

Name: Encoded_Binary			Version Id: 1.1.0.0
<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
	md5_checksum	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

Name: Encoded_Byte_Stream			Version Id: 1.0.0.0
<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.			
Namespace Id: pds	Steward: pds	Role: concrete	Status: Active
<i>Class Hierarchy:</i> Tagged_Digital_Object :: Byte_Stream :: Encoded_Byte_Stream			
<i>Attribute(s)</i>	Name	Cardinality	Value
	name	0..1	None
	local_identifier	0..1	None
	md5_checksum	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>	Name	Cardinality	Class
	data_object	1..1	Digital_Object
<i>Referenced from:</i> File_Area_Observational_Supplemental			

Encoded_Header

Name: Encoded_Header			Version Id: 1.0.0.0
<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.			
Namespace Id: pds	Steward: pds	Role: concrete	Status: Active
<i>Class Hierarchy:</i> Tagged_Digital_Object :: Byte_Stream :: Encoded_Byte_Stream :: Encoded_Header			
<i>Attribute(s)</i>	Name	Cardinality	Value
	name	0..1	None
	local_identifier	0..1	None
	md5_checksum	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>	Name	Cardinality	Class
	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

Name: Encoded_Image			Version Id: 1.0.0.0
<i>Description:</i> The Encoded Image class is used for ancillary images in standard formats, such as JPEG.			
<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
	md5_checksum	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

Name: Encoded_Native			Version Id: 1.0.0.0
<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
	md5_checksum	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

Name: External_Reference		Version Id: 1.0.0.0	
<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>
	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

Name: External_Reference_Extended		Version Id: 1.0.0.0	
<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

Name: Facility		Version Id: 1.0.0.0	
<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	1..1	Laboratory, Observatory
	address	0..1	None
	country	0..1	None
	description	0..1	None

Support classes in the common namespace.

Name: Facility			Version Id: 1.0.0.0
<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

Name: Field			Version Id: 1.1.0.0
<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

Name: Field_Binary			Version Id: 1.0.0.0
<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_DOF, ASCII_Date_Time_DOF, ASCII_Date_Time_DOF_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_

Name: Field_Binary			Version Id: 1.0.0.0
			NonNegative_Integer, ASCII_Numeric_Base16, ASCII_Numeric_Base2, ASCII_Numeric_Base8, ASCII_Real, 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

Name: Field_Bit		Version Id: 1.0.0.0	
<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>
	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

Name: Field_Character		Version Id: 1.0.0.0	
<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_DOF, ASCII_Date_Time_DOF, ASCII_Date_Time_DOF_UTC, ASCII_Date_Time_YMD, ASCII_Date_Time_YMD_UTC, ASCII_Date_YMD, ASCII_YMD

Name: Field_Character			Version Id: 1.0.0.0
			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_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

Name: Field_Delimited			Version Id: 1.0.0.0
<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_

Name: Field_Delimited			Version Id: 1.0.0.0
			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_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

Name: Field_Statistics			Version Id: 1.0.0.0
<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

Support classes in the common namespace.

Name: Field_Statistics			Version Id: 1.0.0.0
<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

Name: File			Version Id: 1.1.0.0
<i>Description:</i> The File class consists of attributes that describe a file in a data store.			
<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			
<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
	records	0..1	None
	md5_checksum	0..1	None
	comment	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_Binary, File_Area_Browse, File_Area_Checksum_Manifest, File_Area_Encoded_Image, File_Area_Inventory, File_Area_Metadata, 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 *Deprecated*, File_Area_XML_Schema, Product_Zipped			

File_Area

Name: File_Area			Version Id: 1.0.0.0
<i>Description:</i> The File_Area class defines a File and its component data objects.			
<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			
<i>No Attributes</i>			
<i>No Associations</i>			
<i>Referenced from:</i> None			

File_Area_Ancillary

Name: File_Area_Ancillary			Version Id: 1.1.0.0
<i>Description:</i> The File Area Ancillary 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_Ancillary			

Name: File_Area_Ancillary			Version Id: 1.1.0.0
<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_2D, Array_2D_Image, Array_2D_Map, Array_2D_Spectrum, Array_3D, Array_3D_Image, Array_3D_Movie, Array_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

Name: File_Area_Binary			Version Id: 1.0.0.0
<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

Name: File_Area_Browse			Version Id: 1.2.0.0
<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_

Name: File_Area_Browse			Version Id: 1.2.0.0
			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

Name: File_Area_Checksum_Manifest			Version Id: 1.0.0.0
<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

Name: File_Area_Encoded_Image			Version Id: 1.0.0.0
<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

Name: File_Area_Inventory			Version Id: 1.0.0.0
<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>			

Name: File_Area_Inventory			Version Id: 1.0.0.0
Association(s)	Name	Cardinality	Class
	has_File	1..1	File
	has_tagged_data_object	1..1	Inventory
<i>Referenced from:</i> Product_Collection			

File_Area_Metadata

Name: File_Area_Metadata			Version Id: 1.0.0.0
<i>Description:</i> The File Area Metadata class describes a table which provides new, and/or improved, metadata. All field names provided must be attributes defined in PDS4, either in the common dictionary, or in a PDS4 discipline or mission dictionary.			
<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_Metadata			
<i>No Attributes</i>			
Association(s)	Name	Cardinality	Class
	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_Metadata_Supplemental			

File_Area_Native

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

File_Area_Observational

Name: File_Area_Observational			Version Id: 1.3.0.0
<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>			
Association(s)	Name	Cardinality	Class
	has_File	1..1	File

Name: File_Area_Observational			Version Id: 1.3.0.0
	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

Name: File_Area_Observational_Supplemental			Version Id: 1.3.0.0
<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>
		has_File	1..1
		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_Binary, Encoded_Byt_ Stream, Encoded_Header, Encoded_Image, Header, Parsable_Byt_ Stream, Stream_Text, Table_Binary, Table_Character, Table_Delimited
<i>Referenced from:</i> Product_Observational			

File_Area_SIP_Deep_Archive

Name: File_Area_SIP_Deep_Archive			Version Id: 1.0.0.0
<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.			

Name: File_Area_SIP_Deep_Archive			Version Id: 1.0.0.0
Namespace Id: pds	Steward: ops	Role: concrete	Status: 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

Name: File_Area_SPICE_Kernel			Version Id: 1.0.0.0
<i>Description:</i> The File Area SPICE Kernel class describes a file that contains a SPICE Kernel object.			
Namespace Id: pds	Steward: pds	Role: concrete	Status: 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

Name: File_Area_Service_Description			Version Id: 1.0.0.0
<i>Description:</i> The File Area Service Description class describes a file that contains a service description.			
Namespace Id: pds	Steward: ops	Role: concrete	Status: Active
<i>Class Hierarchy:</i> Product_Components :: File_Area :: File_Area_Service_Description			
<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	Service_Description
<i>Referenced from:</i> Product_Service			

File_Area_Text

Name: File_Area_Text			Version Id: 1.0.0.0
<i>Description:</i> The File Area Text class describes a file that contains a text stream object.			
Namespace Id: pds	Steward: pds	Role: concrete	Status: Active
<i>Class Hierarchy:</i> Product_Components :: File_Area :: File_Area_Text			
<i>No Attributes</i>			
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>

Support classes in the common namespace.

Name: File_Area_Text			Version Id: 1.0.0.0
	has_File	1..1	File
	has_tagged_data_object	1..1	Stream_Text
<i>Referenced from:</i> Product_Bundle, Product_File_Text			

File_Area_Transfer_Manifest

Name: File_Area_Transfer_Manifest			Version Id: 1.0.0.0
<i>Description:</i> 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
<i>Class Hierarchy:</i> 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
<i>Referenced from:</i> Information_Package_Component			

File_Area_Update *Deprecated*

Name: File_Area_Update *Deprecated*			Version Id: 1.1.0.0
<i>Description:</i> 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: Deprecated
<i>Class Hierarchy:</i> Product_Components :: File_Area :: File_Area_Update *Deprecated*			
No Attributes			
Association(s)	Name	Cardinality	Class
	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 *Deprecated*			

File_Area_XML_Schema

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

Support classes in the common namespace.

Name: File_Area_XML_Schema	Version Id: 1.0.0.0
has_tagged_data_object	1..1
<i>Referenced from:</i> Product_XML_Schema	

Finding_Aid_Object

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

Geometry *Deprecated*

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

Group

Name: Group	Version Id: 1.1.0.0		
<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.			
Namespace Id: pds	Steward: pds	Role: abstract	Status: Active
<i>Class Hierarchy:</i> Tagged_Digital_Child :: Group			
Attribute(s)	Name	Cardinality	Value
	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

Support classes in the common namespace.

Name: Group	Version Id: 1.1.0.0
No Associations	
Referenced from:	None

Group_Facet1

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

Group_Facet2

Name: Group_Facet2	Version Id: 1.0.0.0		
<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

Name: Group_Facet2			Version Id: 1.0.0.0
<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

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

Group_Field_Character

Name: Group_Field_Character			Version Id: 1.1.0.0
<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

Name: Group_Field_Character			Version Id: 1.1.0.0
	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

Name: Group_Field_Delimited			Version Id: 1.0.0.0
<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

Name: Header			Version Id: 1.1.0.0
<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
	md5_checksum	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

Support classes in the common namespace.

Name: Header			Version Id: 1.1.0.0
	description	0..1	None
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	data_object	1..1	Digital_Object

Referenced from: File_Area_Ancillary, File_Area_Browse, File_Area_Metadata, File_Area_Observational, File_Area_Observational_Supplemental, File_Area_Update *Deprecated*

Identification_Area

Name: Identification_Area			Version Id: 1.4.0.0
<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, 1.7.0.0, 1.8.0.0, 1.9.0.0
	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_Deep_Archive, Product_Data_Set_PDS3, Product_Document, Product_File_Repository, Product_File_Text, Product_Instrument_Host_PDS3, Product_Instrument_PDS3, Product_Metadata_Supplemental, Product_Mission_PDS3, Product_Native, Product_Observational, Product_Proxy_PDS3, Product_SIP, Product_SIP_Deep_Archive, Product_SPICE_Kernel, Product_Service, Product_Software, Product_

Name: Identification_Area			Version Id: 1.4.0.0
			Subscription_PDS3, Product_Target_PDS3, Product_Thumbnail, Product_Update, Product_Volume_PDS3, Product_Volume_Set_PDS3, Product_XML_Schema, Product_Zipped
Association(s)	Name	Cardinality	Class
	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_Metadata_Supplemental, 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 *Deprecated*, Product_Volume_PDS3, Product_Volume_Set_PDS3, Product_XML_Schema, Product_Zipped			

Information_Package

Name: Information_Package			Version Id: 1.0.0.0
<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			
Attribute(s)	Name	Cardinality	Value
	description	1..1	None
<i>No Associations</i>			
<i>Referenced from:</i> None			

Information_Package_Component

Name: Information_Package_Component			Version Id: 1.0.0.0
<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			
Attribute(s)	Name	Cardinality	Value
	checksum_manifest_checksum	0..1	None
	checksum_type	0..1	None

Support classes in the common namespace.

Name: Information_Package_Component			Version Id: 1.0.0.0
	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

Referenced from: Product_AIP, Product_DIP, Product_DIP_Deep_Archive, Product_SIP

Information_Package_Component_Deep_Archive

Name: Information_Package_Component_Deep_Archive			Version Id: 1.0.0.0
<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	MD5Deep 4.n
	manifest_url	1..1	None
	aip_livid	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

Referenced from: Product_SIP_Deep_Archive

Instrument

Name: Instrument			Version Id: 1.3.0.0
<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, Atmospheric Sciences, Atomic

Name: Instrument	Version Id: 1.3.0.0
	Force Microscope, Barometer, Biology Experiments, Bolometer, Camera, Cosmic Ray Detector, Drilling Tool, Dust, Dust Detector, Electrical Probe, Energetic Particle Detector, Gamma Ray Detector, Gas Analyzer, Gravimeter, Grinding Tool, Hygrometer, Imager, Imaging Spectrometer, Inertial Measurement Unit, Infrared Spectrometer, Interferometer, Laser Induced Breakdown Spectrometer, Magnetometer, Mass Spectrometer, Microscope, Microwave Spectrometer, Moessbauer Spectrometer, Naked Eye, Neutral Particle Detector, Neutron Detector, Particle Detector, Photometer, Plasma Analyzer, Plasma Detector, Plasma Wave Spectrometer, Polarimeter, Radar, Radio Science, Radio Spectrometer, Radio Telescope, Radio- Radar, Radiometer, Reflectometer, Regolith Properties, Robotic Arm, Seismometer, Small Bodies Sciences, Spectrograph, Spectrograph Imager, Spectrometer, Thermal Imager, Thermal Probe, Thermometer, Ultraviolet Spectrometer, Weather Station, Wet Chemistry Laboratory, X- ray Detector, X- ray Diffraction

Name: Instrument			Version Id: 1.3.0.0
			Spectrometer, X-ray Fluorescence Spectrometer
	subtype	0..Unbounded	None
	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

Name: Instrument_Host			Version Id: 1.3.0.0
<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 <i>*Deprecated*</i>	0..1	None
	version_id <i>*Deprecated*</i>	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

Name: Internal_Reference			Version Id: 1.1.0.0
<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>

Support classes in the common namespace.

Name: Internal_Reference				Version Id: 1.1.0.0
	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

Name: Inventory				Version Id: 1.2.0.0
<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	
	md5_checksum	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	
	has_delimited_record	1..1	Record_Delimited	
<i>Referenced from:</i> File_Area_Inventory				

Investigation

Name: Investigation			Version Id: 1.0.0.0
<i>Description:</i> The Investigation class provides a description of activities involved in the collection of data.			
Namespace Id: pds	Steward: pds	Role: concrete	Status: Active
<i>Class Hierarchy:</i> Tagged_NonDigital_Object :: TNDO_Context :: Investigation			
Attribute(s)	Name	Cardinality	Value
	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
Association(s)	Name	Cardinality	Class
	data_object	1..1	Conceptual_Object
<i>Referenced from:</i> Product_Context			

Investigation_Area

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

Local_Internal_Reference

Name: Local_Internal_Reference			Version Id: 1.0.0.0
<i>Description:</i> The Local_Internal_Reference class is used to cross-reference other Description Objects in a PDS4 label.			
Namespace Id: pds	Steward: pds	Role: concrete	Status: Active
<i>Class Hierarchy:</i> Product_Components :: Local_Internal_Reference			
Attribute(s)	Name	Cardinality	Value

Support classes in the common namespace.

Name: Local_Internal_Reference			Version Id: 1.0.0.0
	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

Name: Manifest_SIP_Deep_Archive			Version Id: 1.0.0.0
<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
	md5_checksum	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

Name: Mission_Area			Version Id: 1.0.0.0
<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

Support classes in the common namespace.

Name: Mission_Area	Version Id: 1.0.0.0
<i>Class Hierarchy:</i> Product_Components :: Mission_Area	
No Attributes	
No Associations	
<i>Referenced from:</i> Context_Area, Observation_Area	

Modification_Detail

Name: Modification_Detail	Version Id: 1.0.0.0		
<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.			
Namespace Id: pds	Steward: pds		
Role: concrete	Status: Active		
<i>Class Hierarchy:</i> Product_Components :: Modification_Detail			
Attribute(s)	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	modification_date	1..1	None
	version_id	1..1	None
	description	1..1	None
No Associations			
<i>Referenced from:</i> Modification_History			

Modification_History

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

NSSDC

Name: NSSDC	Version Id: 1.0.0.0		
<i>Description:</i> The NSSDC Information class provides identification information for data submitted to the NSSDC.			
Namespace Id: pds	Steward: ops		
Role: concrete	Status: Active		
<i>Class Hierarchy:</i> Tagged_NonDigital_Child :: NSSDC			
Attribute(s)	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	medium_type	1..1	None
	nssdc_collection_id	1..1	None
No Associations			

Support classes in the common namespace.

Name: NSSDC	Version Id: 1.0.0.0
<i>Referenced from:</i> Data_Set_PDS3	

Native_Object

Name: Native_Object	Version Id: 1.0.0.0		
<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

Name: Node	Version Id: 1.0.0.0		
<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	Cartography and Imaging Sciences Discipline, Engineering, Geosciences, Imaging, Management, Navigation and Ancillary Information Facility, Planetary Atmospheres, Planetary Plasma Interactions, Planetary Rings, Planetary Science Archive, Radio Science, Ring-Moon Systems, 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

Name: Object_Statistics			Version Id: 1.0.0.0
<i>Description:</i> The Object Statistics class provides a set of values that provide metrics about the object.			
Namespace Id: pds	Steward: pds	Role: concrete	Status: Active
<i>Class Hierarchy:</i> Tagged_NonDigital_Object :: TNDO_Supplemental :: Object_Statistics			
<i>Attribute(s)</i>	Name	Cardinality	Value
	local_identifier	0..1	None
	maximum	0..1	None
	minimum	0..1	None
	mean	0..1	None
	standard_deviation	0..1	None
	bit_mask *Deprecated*	0..1	None
	median	0..1	None
	md5_checksum *Deprecated*	0..1	None
	maximum_scaled_value	0..1	None
	minimum_scaled_value	0..1	None
	description	0..1	None
<i>Association(s)</i>	Name	Cardinality	Class
	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

Name: Observation_Area			Version Id: 1.0.0.0
<i>Description:</i> The observation area consists of attributes that provide information about the circumstances under which the data were collected.			
Namespace Id: pds	Steward: pds	Role: concrete	Status: Active
<i>Class Hierarchy:</i> Product_Components :: Context_Area :: Observation_Area			
<i>Attribute(s)</i>	Name	Cardinality	Value
	comment	0..1	None
<i>Association(s)</i>	Name	Cardinality	Class
	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

Support classes in the common namespace.

Name: Observation_Area			Version Id: 1.0.0.0
	has_discipline_area	0..1	Discipline_Area
<i>Referenced from:</i> Product_Observational			

Observational_Object

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

Observing_System

Name: Observing_System	Version Id: 1.0.0.0		
<i>Description:</i> The Observing System class describes the entire suite used to collect the data.			
Namespace Id: pds	Steward: pds	Role: concrete	Status: Active
<i>Class Hierarchy:</i> Tagged_NonDigital_Object :: TNDO_Context :: Observing_System			
Attribute(s)	Name	Cardinality	Value
	name	0..1	None
	description	0..1	None
Association(s)	Name	Cardinality	Class
	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

Name: Observing_System_Component	Version Id: 1.1.0.0		
<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.			
Namespace Id: pds	Steward: pds	Role: concrete	Status: Active
<i>Class Hierarchy:</i> Tagged_NonDigital_Child :: Observing_System_Component			
Attribute(s)	Name	Cardinality	Value
	name	1..1	None
	type	1..1	Airborne, Aircraft, Artificial Illumination,

Name: Observing_System_Component			Version Id: 1.1.0.0
			Balloon, Facility, Instrument, Laboratory, Literature Search, Naked Eye, Observatory, Spacecraft, Suborbital Rocket, 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

Name: Other			Version Id: 1.0.0.0
<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

Name: PDS_Affiliate			Version Id: 1.0.0.0
<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

Support classes in the common namespace.

Name: PDS_Affiliate			Version Id: 1.0.0.0
	phone_book_flag	1..1	None
	postal_address_text	1..1	None
	team_name	0..Unbounded	Cartography and Imaging Sciences Discipline, Engineering, Geosciences, Headquarters, Imaging, Management, National Space Science Data Center, Navigation and Ancillary Information Facility, Planetary Atmospheres, Planetary Plasma Interactions, Planetary Rings, Radio Science, Ring-Moon Systems, 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

Referenced from: Product_Context

PDS_Guest

Name: PDS_Guest			Version Id: 1.0.0.0
<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

Referenced from: Product_Context

Packed_Data_Fields

Name: Packed_Data_Fields			Version Id: 1.0.0.0
<i>Description:</i> The Packed_Data_Fields class contains field definitions for extracting packed data from the associated byte string field.			

Support classes in the common namespace.

Name: Packed_Data_Fields				Version Id: 1.0.0.0
<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	
<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

Name: Parsable[Byte]Stream				Version Id: 1.0.0.0
<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	
	md5_checksum	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

Name: Physical_Context_Object				Version Id: 1.0.0.0
<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

Name: Physical_Object				Version Id: 1.0.0.0
<i>Description:</i> The Physical Object class defines a tangible object.				

Name: Physical_Object			Version Id: 1.0.0.0
<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>			
<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

Name: Primary_Result_Summary			Version Id: 2.3.0.0
<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..Unbounded	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..Unbounded	Calibrated, Derived, Partially Processed, Raw, Telemetry
	processing_level_id *Deprecated*	0..1	Calibrated, Derived, Partially Processed, Raw, Telemetry

Support classes in the common namespace.

Name: Primary_Result_Summary			Version Id: 2.3.0.0
	description	0..1	None
Association(s)	Name	Cardinality	Class
	has_Science_Facet	0..Unbounded	Science_Facets
<i>Referenced from:</i> Context_Area, Observation_Area			

Product

Name: Product			Version Id: 1.0.0.0
<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.			
Namespace Id: pds	Steward: pds	Role: concrete	Status: Active
<i>Class Hierarchy:</i> Product			
No Attributes			
Association(s)	Name	Cardinality	Class
	has_identification_area	1..1	Identification_Area
<i>Referenced from:</i> None			

Product_Components

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

Property_Map

Name: Property_Map			Version Id: 1.0.0.0
<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.			
Namespace Id: pds	Steward: ops	Role: concrete	Status: Active
<i>Class Hierarchy:</i> Tagged_NonDigital_Object :: TNDO_Supplemental :: Property_Map			
Attribute(s)			<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

Support classes in the common namespace.

Name: Property_Map			Version Id: 1.0.0.0
	description	0..1	None
Association(s)	Name	Cardinality	Class
	has_Property_Map_Entry	1..Unbounded	Property_Map_Entry
<i>Referenced from:</i> Property_Maps			

Property_Map_Entry

Name: Property_Map_Entry			Version Id: 1.0.0.0
<i>Description:</i> The property map entry consists of a property name and one or more values.			
Namespace Id: pds	Steward: ops	Role: concrete	Status: Active
<i>Class Hierarchy:</i> Tagged_NonDigital_Object :: TNDO_Supplemental :: Property_Map_Entry			
Attribute(s)	Name	Cardinality	Value
	property_map_type	0..1	Nuance, Query Model, Rationale, Synonym, Velocity Variable
	property_map_subtype	0..1	None
	property_name	1..1	None
	property_value	1..Unbounded	None
No Associations			
<i>Referenced from:</i> Property_Map			

Property_Maps

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

Quaternion

Name: Quaternion			Version Id: 1.0.0.0
<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			

Support classes in the common namespace.

Name: Quaternion			Version Id: 1.0.0.0
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
	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

Name: Quaternion_Component			Version Id: 1.0.0.0
<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

Name: Record			Version Id: 1.0.0.0
<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

Name: Record_Binary			Version Id: 1.0.0.0
<i>Description:</i> The Record_Binary class is a component of the table class and defines a record of the table.			
Namespace Id: pds	Steward: pds	Role: concrete	Status: Active
<i>Class Hierarchy:</i> Tagged_Digital_Child :: Record :: Record_Binary			
Attribute(s)	Name	Cardinality	Value
	fields	1..1	None
	groups	1..1	None
	record_length	1..1	None
Association(s)	Name	Cardinality	Class
	has_Table_Field	1..Unbounded	Field_Binary, Group_Field_Binary
<i>Referenced from:</i> Table_Binary			

Record_Character

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

Record_Delimited

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

Support classes in the common namespace.

Name: Record_Delimited			Version Id: 1.0.0.0
Association(s)	Name	Cardinality	Class
	has_Delimited_Field	1..Unbounded	Field_Delimited, Group_Field_Delimited
<i>Referenced from:</i> Inventory, Manifest_SIP_Deep_Archive, Table_Delimited			

Reference_List

Name: Reference_List			Version Id: 1.0.0.0
<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.			
Namespace Id:	pds	Steward:	pds
<i>Class Hierarchy:</i> Product_Components :: Reference_List			
<i>No Attributes</i>			
Association(s)	Name	Cardinality	Class
	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_Metadata_Supplemental, 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 *Deprecated*, Product_Volume_PDS3, Product_Volume_Set_PDS3, Product_XML_Schema			

Resource

Name: Resource			Version Id: 1.0.0.0
<i>Description:</i> The Resource class provides a description of a web resource.			
Namespace Id:	pds	Steward:	pds
<i>Class Hierarchy:</i> Tagged_NonDigital_Object :: TNDO_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,

Support classes in the common namespace.

Name: Resource			Version Id: 1.0.0.0
			System.Registry_Query, System.Search, System.Transform, System.Transport
	url	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

Referenced from: Product_Context

SIP_Deep_Archive

Name: SIP_Deep_Archive			Version Id: 1.0.0.0
<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	PDS_ATM, PDS_ENG, PDS_GEO, PDS_IMG, PDS_JPL, PDS_NAI, PDS_PPI, PDS_PSI, PDS_RNG, PDS_SBN
<i>No Associations</i>			
<i>Referenced from:</i> Product_SIP_Deep_Archive			

SPICE_Kernel

Name: SPICE_Kernel			Version Id: 1.0.0.0
<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
	md5_checksum	0..1	None
	offset	1..1	None
	object_length	0..1	None
	parsing_standard_id	1..1	SPICE
	description	0..1	None

Support classes in the common namespace.

Name: SPICE_Kernel			Version Id: 1.0.0.0
	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

Referenced from: File_Area_SPICE_Kernel

SPICE_Kernel_Object

Name: SPICE_Kernel_Object			Version Id: 1.0.0.0
<i>Description:</i> The SPICE Kernel Object defines a Supplemental Object that provides navigation ancillary information.			
Namespace Id: pds	Steward: ops	Role: concrete	Status: 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

Name: Science_Facets			Version Id: 1.0.0.0
<i>Description:</i> The Science_Facets class contains the science-related search facets. It is optional and may be repeated if a 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.			
Namespace Id: pds	Steward: pds	Role: concrete	Status: 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, Dynamics, Heliosphere, Interior, Interstellar, Ionosphere, Magnetosphere, Rings, Surface
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	has_Discipline_Facets	1..1	Discipline_Facets

Support classes in the common namespace.

Name: Science_Facets	Version Id: 1.0.0.0
<i>Referenced from:</i> Primary_Result_Summary	

Service

Name: Service		Version Id: 1.0.0.0	
<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>
	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

Name: Service_Description		Version Id: 1.0.0.0	
<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

Support classes in the common namespace.

Name: Service_Description			Version Id: 1.0.0.0
	md5_checksum	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

Referenced from: File_Area_Service_Description

Software

Name: Software			Version Id: 1.0.0.0
<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

Referenced from: Product_Software

Software_Binary

Name: Software_Binary			Version Id: 1.0.0.0
<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

Support classes in the common namespace.

Name: Software_Binary			Version Id: 1.0.0.0
	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

Name: Software_Script			Version Id: 1.0.0.0
<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

Name: Software_Source			Version Id: 1.0.0.0
<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

Support classes in the common namespace.

Name: Software_Source			Version Id: 1.0.0.0
	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

Referenced from: Product_Software

Special_Constants

Name: Special_Constants			Version Id: 1.1.0.0
<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

Name: Stream_Text			Version Id: 1.0.0.0
<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

Support classes in the common namespace.

Name: Stream_Text			Version Id: 1.0.0.0
<i>Class Hierarchy:</i> Tagged_Digital_Object :: Byte_Stream :: Parsable_Byte_Stream :: Stream_Text			
Attribute(s)	Name	Cardinality	Value
	name	0..1	None
	local_identifier	0..1	None
	md5_checksum	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
	record_delimiter	1..1	Carriage-Return Line-Feed, carriage-return line-feed
Association(s)	Name	Cardinality	Class
	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

Name: Submission_Information_Package			Version Id: 1.0.0.0
<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			
Attribute(s)	Name	Cardinality	Value
	description	1..1	None
<i>No Associations</i>			
<i>Referenced from:</i> Product_SIP			

Supplemental_Object

Name: Supplemental_Object			Version Id: 1.0.0.0
<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			
Attribute(s)	Name	Cardinality	Value
	bit_string	1..1	None
<i>No Associations</i>			
<i>Referenced from:</i> None			

Symbolic_Literals_PDS

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

TNDO_Cartography

Name: TNDO_Cartography		Version Id: 1.0.0.0	
<i>Description:</i> The Tagged NonDigital Object (TNDO) Cartography class is an abstract class for the cartography discipline.			
<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_Cartography			
<i>No Attributes</i>			
<i>No Associations</i>			
<i>Referenced from:</i> None			

TNDO_Context

Name: TNDO_Context		Version Id: 1.0.0.0	
<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:</i> None			

TNDO_Supplemental

Name: TNDO_Supplemental		Version Id: 1.0.0.0	
<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>			

Support classes in the common namespace.

Name: TNDO_Supplemental	Version Id: 1.0.0.0
No Associations	
Referenced from:	None

Table_Base

Name: Table_Base	Version Id: 1.0.0.0		
<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
	md5_checksum	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
Referenced from: None			

Table_Binary

Name: Table_Binary	Version Id: 1.1.0.0		
<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
	md5_checksum	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
Referenced from: File_Area_Ancillary, File_Area_Browse, File_Area_Observational, File_Area_Observational_Supplemental			

Table_Character

Name: Table_Character			Version Id: 1.0.0.0
<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
	md5_checksum	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_Ancillary, File_Area_Browse, File_Area_Metadata, File_Area_Observational, File_Area_Observational_Supplemental, File_Area_Update *Deprecated*			

Table_Delimited

Name: Table_Delimited			Version Id: 1.0.0.0
<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
	md5_checksum	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

Name: Table_Delimited			Version Id: 1.0.0.0
	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_Metadata, File_Area_Observational, File_Area_Observational_Supplemental, File_Area_Update *Deprecated*			

Tagged_Digital_Child

Name: Tagged_Digital_Child			Version Id: 1.0.0.0
<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

Name: Tagged_Digital_Object			Version Id: 1.0.0.0
<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

Name: Tagged_NonDigital_Child			Version Id: 1.0.0.0
<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

Name: Tagged_NonDigital_Object	Version Id: 1.0.0.0		
<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.			
Namespace Id: pds	Steward: ops	Role: abstract	Status: Active
<i>Class Hierarchy:</i> Tagged_NonDigital_Object			
No Attributes			
No Associations			
Referenced from:	None		

Target

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

Target_Identification

Name: Target_Identification	Version Id: 1.4.0.0
<i>Description:</i> The Target_Identification class provides detailed target identification information.	

Name: Target_Identification			Version Id: 1.4.0.0
<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, Calibration Field, Calibrator, Comet, Dust, Dwarf Planet, Equipment, Exoplanet System, 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

Name: Telescope			Version Id: 1.3.0.0
<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

Support classes in the common namespace.

Name: Telescope	Version Id: 1.3.0.0
<i>Referenced from:</i> Product_Context	

Terminological_Entry

Name: Terminological_Entry	Version Id: 1.1.0.0		
<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

Name: Time_Coordinates	Version Id: 1.0.0.0		
<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			
<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

Name: Transfer_Manifest	Version Id: 1.1.0.0		
<i>Description:</i> The Transfer_Manifest class defines a table that maps product LIDVIDs to the file_specificaiton_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			

Name: Transfer_Manifest			Version Id: 1.1.0.0
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	name	0..1	None
	local_identifier	0..1	None
	md5_checksum	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

Referenced from: File_Area_Transfer_Manifest

Uniformly_Sampled

Name: Uniformly_Sampled			Version Id: 1.1.0.0
<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
	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 <i>*Deprecated*</i>	0..1	None
<i>No Associations</i>			
<i>Referenced from:</i> Inventory, Manifest_SIP_Deep_Archive, Table_Binary, Table_Character, Table_Delimited, Transfer_Manifest			

Update *Deprecated*

Name: Update *Deprecated*			Version Id: 1.0.0.0
<i>Description:</i> The Update class consists of update information.			
Namespace Id: pds	Steward: pds	Role: concrete	Status: Deprecated
<i>Class Hierarchy:</i> Tagged_NonDigital_Object :: TNDO_Supplemental :: Update *Deprecated*			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	local_identifier	0..1	None
	update_purpose *Deprecated*	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 *Deprecated*			

Update_Entry

Name: Update_Entry			Version Id: 1.0.0.0
<i>Description:</i> The Update Entry class provides the date and description of an update.			
Namespace Id: pds	Steward: pds	Role: concrete	Status: 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
<i>Referenced from:</i> Update *Deprecated*			

Update_Object

Name: Update_Object			Version Id: 1.0.0.0
<i>Description:</i> The Update Object defines a Supplemental Object that is used to update an other Objects.			
Namespace Id: pds	Steward: ops	Role: concrete	Status: 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

Name: Vector			Version Id: 1.0.0.0
<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

Name: Vector_Cartesian_3			Version Id: 1.0.0.0
<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>
	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_Acceleration

Name: Vector_Cartesian_3_Acceleration			Version Id: 1.0.0.0
<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			

Name: Vector_Cartesian_3_Acceleration			Version Id: 1.0.0.0
<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_Pointing

Name: Vector_Cartesian_3_Pointing			Version Id: 1.0.0.0
<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:</i> None			

Vector_Cartesian_3_Position

Name: Vector_Cartesian_3_Position			Version Id: 1.0.0.0
<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

Name: Vector_Cartesian_3_Velocity		Version Id: 1.0.0.0	
<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

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

XML_Schema

Name: XML_Schema		Version Id: 1.2.0.0	
<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
	md5_checksum	0..1	None

Support classes in the common namespace.

Name: XML_Schema			Version Id: 1.2.0.0
	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
	lhd_version_id	0..1	None
Association(s)	Name	Cardinality	Class
	data_object	1..1	Digital_Object
Referenced from: File_Area_XML_Schema			

Zip

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

Chapter 4. PDS3 catalog classes in the common namespace.

These classes are used to archive PDS3 catalog information.

Data_Set_PDS3

Name: Data_Set_PDS3			Version Id: 1.1.0.0
<i>Description:</i> The Data Set PDS3 class is used to capture the data set information from the PDS3 Data Set Catalog.			
Namespace Id: pds	Steward: ops	Role: concrete	Status: Active
<i>Class Hierarchy:</i> Tagged_NonDigital_Object :: TNDO_Context_PDS3 :: Data_Set_PDS3			
Attribute(s)	Name	Cardinality	Value
	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_

Name: Data_Set_PDS3			Version Id: 1.1.0.0
			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

Referenced from: Product_Data_Set_PDS3

Instrument_Host_PDS3

Name: Instrument_Host_PDS3			Version Id: 1.0.0.0
<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

Referenced from: Product_Instrument_Host_PDS3

Instrument_PDS3

Name: Instrument_PDS3			Version Id: 1.0.0.0
<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

Referenced from: Product_Instrument_PDS3

Mission_PDS3

Name: Mission_PDS3			Version Id: 1.0.0.0
<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

Name: Subscriber_PDS3			Version Id: 1.0.0.0
<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

Name: TNDO_Context_PDS3			Version Id: 1.0.0.0
<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

Name: Target_PDS3			Version Id: 1.0.0.0
<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

Name: Volume_PDS3			Version Id: 1.0.0.0
<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,

Name: Volume_PDS3			Version Id: 1.0.0.0
			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

Referenced from: Product_Volume_PDS3

Volume_Set_PDS3

Name: Volume_Set_PDS3			Version Id: 1.0.0.0
<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

Referenced from: 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.

Occultation_Ring_Profile

Name: Occultation_Ring_Profile		Version Id: 1.0.0.0	
<i>Description:</i> This class replaces the Radio_Occultation and Stellar_Occultation classes. It is used for all ring occultation profiles regardless of the occultation type.			
Namespace Id: rings	Steward: rings	Role: concrete	Status: Active
<i>Class Hierarchy:</i> Product_Components :: Occultation_Ring_Profile			
Attribute(s)	Name	Cardinality	Value
	orbit_number	0..Unbounded	None
	sclk_start_time	0..1	None
	sclk_stop_time	0..1	None
	occultation_type	1..1	Radio, Solar, Stellar
	occultation_direction	1..1	Both, Egress, Ingress, Multiple
	ring_profile_direction	1..1	Egress, Ingress, Multiple
	planetary_occultation_flag	1..1	N, Y
	ring_plane	0..Unbounded	A, Alpha, B, Beta, C, D, Delta, E, Epsilon, Equator, Eta, F, Five, Four, G, Gamma, Lambda, Mu, Nu, Phoebe, Six
	star_name	0..Unbounded	None
	dsn_station_number	0..1	None
	frequency_band	0..1	C, D, E, F, G, H, K, Ka, Ku, Q, R, S, U, V, W, X, 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
	reference_time_utc	0..1	None

Classes in the Rings
discipline namespace.

Name: Occultation_Ring_Profile			Version Id: 1.0.0.0
	minimum_observed_event_time	0..1	None
	maximum_observed_event_time	0..1	None
	observed_event_start_time_utc	0..1	None
	observed_event_stop_time_utc	0..1	None
	observed_event_start_tdb	0..1	None
	observed_event_stop_tdb	0..1	None
	spacecraft_event_start_time_utc	0..1	None
	spacecraft_event_stop_time_utc	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
	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
	sub_stellar_ring_azimuth	0..1	None
	sub_stellar_clock_angle	0..1	None
	observed_ring_elevation	0..1	None
	minimum_observed_ring_elevation	0..1	None
	maximum_observed_ring_elevation	0..1	None

Name: Occultation_Ring_Profile			Version Id: 1.0.0.0
	light_source_incidence_angle	0..1	None
	minimum_light_source_incidence_angle	0..1	None
	maximum_light_source_incidence_angle	0..1	None
	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:</i> Ring_Moon_Systems			

Occultation_Supplement

Name: Occultation_Supplement			Version Id: 1.0.0.0
<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 :: Occultation_Supplement			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	orbit_number	0..Unbounded	None
	spice_filename	0..Unbounded	None
	occultation_type	1..1	Radio, Solar, Stellar
	occultation_direction	1..1	Both, Egress, Ingress, Multiple
	ring_profile_direction	0..2	Egress, Ingress, Multiple
	planetary_occultation_flag	0..1	N, Y
	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
	sampling_parameter_name	1..1	None
	sampling_parameter_unit	1..1	None
	sampling_parameter_interval	1..1	None
	reference_time_utc	0..1	None
	minimum_observed_event_time	0..1	None

Name: Occultation_Supplement			Version Id: 1.0.0.0
	maximum_observed_event_time	0..1	None
<i>No Associations</i>			
<i>Referenced from:</i> Ring_Moon_Systems			

Occultation_Time_Series

Name: Occultation_Time_Series			Version Id: 1.0.0.0
<i>Description:</i> This class supports occultation data organized as a time series			
<i>Namespace Id:</i> rings	<i>Steward:</i> rings	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Product_Components :: Occultation_Time_Series			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	orbit_number	0..Unbounded	None
	sclk_start_time	0..1	None
	sclk_stop_time	0..1	None
	occultation_type	1..1	Radio, Solar, Stellar
	occultation_direction	1..1	Both, Egress, Ingress, Multiple
	time_series_direction	1..1	None
	planetary_occultation_flag	1..1	N, Y
	ring_plane	0..Unbounded	A, Alpha, B, Beta, C, D, Delta, E, Epsilon, Equator, Eta, F, Five, Four, G, Gamma, Lambda, Mu, Nu, Phoebe, Six
	star_name	0..Unbounded	None
	dsn_station_number	0..1	None
	frequency_band	0..1	C, D, E, F, G, H, K, Ka, Ku, Q, R, S, U, V, W, X, Y
	wavelength	0..1	None
	minimum_wavelength	0..1	None
	maximum_wavelength	0..1	None
	reference_time_utc	0..1	None
	minimum_observed_event_time	0..1	None
	maximum_observed_event_time	0..1	None
	observed_event_start_time_utc	0..1	None
	observed_event_stop_time_utc	0..1	None

Name: Occultation_Time_Series			Version Id: 1.0.0.0
	observed_event_start_tdb	0..1	None
	observed_event_stop_tdb	0..1	None
	spacecraft_event_start_time_utc	0..1	None
	spacecraft_event_stop_time_utc	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
	earth_received_start_time_utc	0..1	None
	earth_received_stop_time_utc	0..1	None
	minimum_ring_radius	0..1	None
	maximum_ring_radius	0..1	None
	minimum_ring_longitude	0..1	None
	maximum_ring_longitude	0..1	None
	minimum_observed_ring_azimuth	0..1	None
	maximum_observed_ring_azimuth	0..1	None
	sub_stellar_ring_azimuth	0..1	None
	sub_stellar_clock_angle	0..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
	lowest_detectable_opacity	0..1	None

Name: Occultation_Time_Series			Version Id: 1.0.0.0
	highest_detectable_opacity	0..1	None
	along_track_timing_offset	0..1	None
<i>No Associations</i>			
<i>Referenced from:</i> Ring_Moon_Systems			

Ring_Moon_Systems

Name: Ring_Moon_Systems			Version Id: 1.0.0.0
<i>Description:</i> This is an umbrella class for all of the classes and attributes in this dictionary.			
<i>Namespace Id:</i> rings	<i>Steward:</i> rings	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Product_Components :: Ring_Moon_Systems			
<i>No Attributes</i>			
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	has_rings_supplement	0..1	Rings_Supplement
	has_occultation_ring_profile	0..1	Occultation_Ring_Profile
	has_occultation_time_series	0..1	Occultation_Time_Series
	has_occultation_supplement	0..1	Occultation_Supplement
<i>Referenced from:</i> None			

Rings_Supplement

Name: Rings_Supplement			Version Id: 1.0.0.0
<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> Ring_Moon_Systems			

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

Name: Telemetry_Parameters			Version Id: 1.0.0
<i>Description:</i> The Telemetry_Parameters class contains downlink-related attributes used primarily during mission operations.			
Namespace Id: img	Steward: img	Role: concrete	Status: Active
<i>Class Hierarchy:</i> Product_Components :: Telemetry_Parameters			
Attribute(s)	Name	Cardinality	Value
	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
No Associations			
<i>Referenced from:</i> None			

Chapter 7. Classes in the Cartography discipline namespace.

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

Bounding_Coordinates

Name: Bounding_Coordinates			Version Id: 1.0.0.0
<i>Description:</i> The Bounding_Coordinates class defines the limits of coverage of a set of data expressed by latitude and longitude values in the order western-most, eastern-most, northern-most, and southern-most.			
Namespace Id: cart	Steward: cart	Role: concrete	Status: Active
<i>Class Hierarchy:</i> Tagged_NonDigital_Object :: TNDO_Cartography :: Bounding_Coordinates			
Attribute(s)	Name	Cardinality	Value
	west_bounding_coordinate	1..1	None
	east_bounding_coordinate	1..1	None
	north_bounding_coordinate	1..1	None
	south_bounding_coordinate	1..1	None
<i>No Associations</i>			
<i>Referenced from:</i> Spatial_Domain			

Cartography

Name: Cartography			Version Id: 1.0.0.0
<i>Description:</i> The Cartography class provides a description of how a 3D sphere, spheroid, or elliptical spheroid or the celestial sphere is mapped onto a plane.			
Namespace Id: cart	Steward: cart	Role: concrete	Status: Active
<i>Class Hierarchy:</i> Tagged_NonDigital_Object :: TNDO_Cartography :: Cartography			
No Attributes			
Association(s)	Name	Cardinality	Class
	has_Spatial_Domain	1..1	Spatial_Domain
	has_Spatial_Reference_Information	1..1	Spatial_Reference_Information
<i>Referenced from:</i> None			

Coordinate_Representation

Name: Coordinate_Representation			Version Id: 1.0.0.0
<i>Description:</i> The Coordinate_Representation class provides the method of encoding the position of a point by measuring its distance from perpendicular reference axes (the "coordinate pair" and "row and column" methods).			

Name: Coordinate_Representation			Version Id: 1.0.0.0
Namespace Id: cart	Steward: cart	Role: concrete	Status: Active
<i>Class Hierarchy:</i> Tagged_NonDigital_Object :: TNDO_Cartography :: Coordinate_Representation			
Attribute(s)	Name	Cardinality	Value
	pixel_resolution_x	1..1	None
	pixel_resolution_y	1..1	None
	pixel_scale_x	1..1	None
	pixel_scale_y	1..1	None
<i>No Associations</i>			
<i>Referenced from:</i> Planar_Coordinate_Information			

Distance_and_Bearing_Representation

Name: Distance_and_Bearing_Representation			Version Id: 1.0.0.0
<i>Description:</i> The Distance_and_Bearing_Representation class provides a method of encoding the position of a point by measuring its distance and direction (azimuth angle) from another point.			
Namespace Id: cart	Steward: cart	Role: concrete	Status: Active
<i>Class Hierarchy:</i> Tagged_NonDigital_Object :: TNDO_Cartography :: Distance_and_Bearing_Representation			
Attribute(s)	Name	Cardinality	Value
	distance_resolution	1..1	None
	bearing_resolution	1..1	None
	bearing_reference_direction	1..1	North, South
	bearing_reference_meridian	1..1	Assumed, Astronomic, Geodetic, Grid, Magnetic
<i>No Associations</i>			
<i>Referenced from:</i> Planar_Coordinate_Information			

Equirectangular

Name: Equirectangular			Version Id: 1.0.0.0
<i>Description:</i> The Equirectangular class contains parameters for the Equirectangular projection.			
Namespace Id: cart	Steward: cart	Role: concrete	Status: Active
<i>Class Hierarchy:</i> Equirectangular			
<i>No Attributes</i>			
<i>No Associations</i>			
<i>Referenced from:</i> Map_Projection			

Geo_Transformation

Name: Geo_Transformation			Version Id: 1.0.0.0
<i>Description:</i> The Geo_Transformation class is used for relating coordinates between one Geographical Coordinate System and another Geographical Coordinate System. In this case, a			

Name: Geo_Transformation			Version Id: 1.0.0.0												
distance (meters) translation from a defined origin to a defined pixel location within an image array.															
Namespace Id: cart	Steward: cart	Role: concrete	Status: Active												
<i>Class Hierarchy:</i> Tagged_NonDigital_Object :: TNDO_Cartography :: Geo_Transformation															
<table border="1"> <thead> <tr> <th>Attribute(s)</th><th>Name</th><th>Cardinality</th><th>Value</th></tr> </thead> <tbody> <tr> <td></td><td>upperleft_corner_x</td><td>0..1</td><td>None</td></tr> <tr> <td></td><td>upperleft_corner_y</td><td>0..1</td><td>None</td></tr> </tbody> </table>				Attribute(s)	Name	Cardinality	Value		upperleft_corner_x	0..1	None		upperleft_corner_y	0..1	None
Attribute(s)	Name	Cardinality	Value												
	upperleft_corner_x	0..1	None												
	upperleft_corner_y	0..1	None												
<i>No Associations</i>															
<i>Referenced from:</i> Planar															

Geodetic_Model

Name: Geodetic_Model			Version Id: 1.0.0.0																												
<i>Description:</i> The Geodetic_Model class provides parameters describing the shape of the planet.																															
Namespace Id: cart	Steward: cart	Role: concrete	Status: Active																												
<i>Class Hierarchy:</i> Tagged_NonDigital_Object :: TNDO_Cartography :: Geodetic_Model																															
<table border="1"> <thead> <tr> <th>Attribute(s)</th><th>Name</th><th>Cardinality</th><th>Value</th></tr> </thead> <tbody> <tr> <td></td><td>latitude_type</td><td>1..1</td><td>Planetocentric, Planetographic</td></tr> <tr> <td></td><td>spheroid_name</td><td>0..1</td><td>None</td></tr> <tr> <td></td><td>semi_major_radius</td><td>1..1</td><td>None</td></tr> <tr> <td></td><td>semi_minor_radius</td><td>1..1</td><td>None</td></tr> <tr> <td></td><td>polar_radius</td><td>1..1</td><td>None</td></tr> <tr> <td></td><td>longitude_direction</td><td>1..1</td><td>Positive East, Positive West</td></tr> </tbody> </table>				Attribute(s)	Name	Cardinality	Value		latitude_type	1..1	Planetocentric, Planetographic		spheroid_name	0..1	None		semi_major_radius	1..1	None		semi_minor_radius	1..1	None		polar_radius	1..1	None		longitude_direction	1..1	Positive East, Positive West
Attribute(s)	Name	Cardinality	Value																												
	latitude_type	1..1	Planetocentric, Planetographic																												
	spheroid_name	0..1	None																												
	semi_major_radius	1..1	None																												
	semi_minor_radius	1..1	None																												
	polar_radius	1..1	None																												
	longitude_direction	1..1	Positive East, Positive West																												
<i>No Associations</i>																															
<i>Referenced from:</i> Horizontal_Coordinate_System_Definition																															

Geographic

Name: Geographic			Version Id: 1.0.0.0												
<i>Description:</i> The Geographic class provides information about the quantities of latitude and longitude which define the position of a point on a planetary body's surface with respect to a reference spheroid.															
Namespace Id: cart	Steward: cart	Role: concrete	Status: Active												
<i>Class Hierarchy:</i> Tagged_NonDigital_Object :: TNDO_Cartography :: Geographic															
<table border="1"> <thead> <tr> <th>Attribute(s)</th><th>Name</th><th>Cardinality</th><th>Value</th></tr> </thead> <tbody> <tr> <td></td><td>latitude_resolution</td><td>1..1</td><td>None</td></tr> <tr> <td></td><td>longitude_resolution</td><td>1..1</td><td>None</td></tr> </tbody> </table>				Attribute(s)	Name	Cardinality	Value		latitude_resolution	1..1	None		longitude_resolution	1..1	None
Attribute(s)	Name	Cardinality	Value												
	latitude_resolution	1..1	None												
	longitude_resolution	1..1	None												
<i>No Associations</i>															
<i>Referenced from:</i> Horizontal_Coordinate_System_Definition															

Grid_Coordinate_System

Name: Grid_Coordinate_System		Version Id: 1.0.0.0	
<i>Description:</i> The Grid_Coordinate_System class defines a plane-rectangular coordinate system usually based on, and mathematically adjusted to, a map projection so that geographic positions can be readily transformed to and from plane coordinates.			
Namespace Id: cart	Steward: cart	Role: concrete	Status: Active
<i>Class Hierarchy:</i> Tagged_NonDigital_Object :: TNDO_Cartography :: Grid_Coordinate_System			
Attribute(s)	Name	Cardinality	Value
	grid_coordinate_system_name	1..1	ARC Coordinate System, Other Grid System, State Plane Coordinate System 1927, State Plane Coordinate System 1983, Universal Polar Stereographic, Universal Transverse Mercator
Association(s)	Name	Cardinality	Class
	has_Universal_Transverse_Mercator	0..1	Universal_Transverse_Mercator
	has_Universal_Polar_Stereographic	0..1	Universal_Polar_Stereographic
	has_State_Plane_Coordinate_System	0..1	State_Plane_Coordinate_System
<i>Referenced from:</i> Planar			

Horizontal_Coordinate_System_Definition

Name: Horizontal_Coordinate_System_Definition		Version Id: 1.0.0.0	
<i>Description:</i> The Horizontal_Coordinate_System_Definition class provides the reference frame or system from which linear or angular quantities are measured and assigned to the position that a point occupies.			
Namespace Id: cart	Steward: cart	Role: concrete	Status: Active
<i>Class Hierarchy:</i> Tagged_NonDigital_Object :: TNDO_Cartography :: Horizontal_Coordinate_System_Definition			
No Attributes			
Association(s)	Name	Cardinality	Class
	has_Geographic	1..1	Geographic, Local, Planar
	has_Geodetic_Model	0..1	Geodetic_Model
<i>Referenced from:</i> Spatial_Reference_Information			

Lambert_Conformal_Conic

Name: Lambert_Conformal_Conic	Version Id: 1.0.0.0		
<i>Description:</i> The Lambert_Conformal_Conic class contains parameters for the Lambert Conformal Conic projection.			
Namespace Id: cart	Steward: cart	Role: concrete	Status: Active
<i>Class Hierarchy:</i> Lambert_Conformal_Conic			
No Attributes			
No Associations			
<i>Referenced from:</i> Map_Projection, State_Plane_Coordinate_System			

Local

Name: Local	Version Id: 1.0.0.0		
<i>Description:</i> The Local class provides a description of any coordinate system that is not aligned with the surface of the planet.			
Namespace Id: cart	Steward: cart	Role: concrete	Status: Active
<i>Class Hierarchy:</i> Tagged_NonDigital_Object :: TNDO_Cartography :: Local			
Attribute(s)	Name	Cardinality	Value
	local_description	1..1	None
	local_georeference_information	1..1	None
No Associations			
<i>Referenced from:</i> Horizontal_Coordinate_System_Definition			

Local_Planar

Name: Local_Planar	Version Id: 1.0.0.0		
<i>Description:</i> The Local_Planar class defines any right-handed planar coordinate system of which the z-axis coincides with a plumb line through the origin that locally is aligned with the surface of the planet.			
Namespace Id: cart	Steward: cart	Role: concrete	Status: Active
<i>Class Hierarchy:</i> Tagged_NonDigital_Object :: TNDO_Cartography :: Local_Planar			
Attribute(s)	Name	Cardinality	Value
	local_planar_description	1..1	None
	local_planar_georeference_information	1..1	None
No Associations			
<i>Referenced from:</i> Planar			

Map_Projection

Name: Map_Projection			Version Id: 1.0.0.0
Description: The Map_Projection class provides the systematic representation of all or part of the surface of a planet on a plane or developable surface.			
Namespace Id: cart	Steward: cart	Role: concrete	Status: Active
Class Hierarchy: Tagged_NonDigital_Object :: TNDO_Cartography :: Map_Projection			
Attribute(s)	Name	Cardinality	Value
	map_projection_name	1..1	Albers Conical Equal Area, Azimuthal Equidistant, Equidistant Conic, Equirectangular, General Vertical Near-sided Projection, Gnomonic, Lambert Azimuthal Equal Area, Lambert Conformal Conic, Mercator, Miller Cylindrical, Oblique Mercator, Orthographic, Polar Stereographic, Polyconic, Robinson, Sinusoidal, Space Oblique Mercator, Stereographic, Transverse Mercator, van der Grinten
Association(s)	Name	Cardinality	Class
	has_Equirectangular	1..1	Equirectangular, Lambert_Conformal_Conic, Oblique_Mercator, Polar_Stereographic, Polyconic, Sinusoidal, Transverse_Mercator
Referenced from: Planar			

Map_Projection_Base

Name: Map_Projection_Base			Version Id: 1.0.0.0
Description: An abstract class that serves as the parent class to all the map projections.			
Namespace Id: cart	Steward: cart	Role: concrete	Status: Active
Class Hierarchy: Tagged_NonDigital_Object :: TNDO_Cartography :: Map_Projection_Base			
Attribute(s)	Name	Cardinality	Value
	standard_parallel_1	0..3	None
	standard_parallel_2	0..3	None
	scale_factor_at_projection_origin	0..3	None

Name: Map_Projection_Base			Version Id: 1.0.0.0
	scale_factor_at_center_line	0..1	None
	scale_factor_at_central_meridian	0..1	None
	longitude_of_central_meridian	0..1	None
	latitude_of_projection_origin	0..1	None
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	has_Oblique_Line	0..1	Oblique_Line_Azimuth, Oblique_Line_Point
<i>Referenced from:</i> None			

Oblique_Line_Azimuth

Name: Oblique_Line_Azimuth			Version Id: 1.0.0.0
<i>Description:</i> The Oblique_Line_Azimuth class defines the method used to describe the line along which an oblique mercator map projection is centered using the map projection origin and an azimuth.			
<i>Namespace Id:</i> cart	<i>Steward:</i> cart	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Tagged_NonDigital_Object :: TNDO_Cartography :: Oblique_Line_Azimuth			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	azimuthal_angle	1..1	None
	azimuth_measure_point_longitude	1..1	None
<i>No Associations</i>			
<i>Referenced from:</i> Map_Projection_Base			

Oblique_Line_Point

Name: Oblique_Line_Point			Version Id: 1.0.0.0
<i>Description:</i> The Oblique_Line_Point class defines the method used to describe the line along which an oblique mercator map projection is centered using two points near the limits of the mapped region that define the center line.			
<i>Namespace Id:</i> cart	<i>Steward:</i> cart	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Tagged_NonDigital_Object :: TNDO_Cartography :: Oblique_Line_Point			
<i>No Attributes</i>			
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	has_Oblique_Line_Point_Group	2..2	Oblique_Line_Point_Group
<i>Referenced from:</i> Map_Projection_Base			

Oblique_Line_Point_Group

Name: Oblique_Line_Point_Group			Version Id: 1.0.0.0
<i>Description:</i> The Oblique_Line_Point_Group class provides the coordinates in latitude and longitude of one end point of the line along which an oblique mercator map projection is centered.			
Namespace Id: cart	Steward: cart	Role: concrete	Status: Active
<i>Class Hierarchy:</i> Tagged_NonDigital_Object :: TNDO_Cartography :: Oblique_Line_Point_Group			
Attribute(s)	Name	Cardinality	Value
	oblique_line_latitude	1..1	None
	oblique_line_longitude	1..1	None
No Associations			
<i>Referenced from:</i> Oblique_Line_Point			

Oblique_Mercator

Name: Oblique_Mercator			Version Id: 1.0.0.0
<i>Description:</i> The Oblique_Mercator class contains parameters for the Oblique Mercator projection.			
Namespace Id: cart	Steward: cart	Role: concrete	Status: Active
<i>Class Hierarchy:</i> Oblique_Mercator			
No Attributes			
No Associations			
<i>Referenced from:</i> Map_Projection, State_Plane_Coordinate_System			

Planar

Name: Planar			Version Id: 1.0.0.0
<i>Description:</i> The Planar class provides the quantities of distances, or distances and angles, which define the position of a point on a reference plane to which the surface of a planet has been projected.			
Namespace Id: cart	Steward: cart	Role: concrete	Status: Active
<i>Class Hierarchy:</i> Tagged_NonDigital_Object :: TNDO_Cartography :: Planar			
No Attributes			
Association(s)	Name	Cardinality	Class
	has_Map_Projection	1..1	Grid_Coordinate_System, Local_Planar, Map_Projection
	has_Planar_Coordinate_Information	1..1	Planar_Coordinate_Information
	has_Geo_Transformation	0..1	Geo_Transformation
<i>Referenced from:</i> Horizontal_Coordinate_System_Definition			

Planar_Coordinate_Information

Name: Planar_Coordinate_Information		Version Id: 1.0.0.0	
<i>Description:</i> The Planar_Coordinate_Information class provides information about the coordinate system developed on the planar surface.			
<i>Namespace Id:</i> cart	<i>Steward:</i> cart	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Tagged_NonDigital_Object :: TNDO_Cartography :: Planar_Coordinate_Information			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	planar_coordinate_encoding_method	1..1	Coordinate Pair, Distance and Bearing, Row and Column
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	has_Coordinate_Representation	1..1	Coordinate_Representation, Distance_and_Bearing_Representation
<i>Referenced from:</i> Planar			

Polar_Stereographic

Name: Polar_Stereographic		Version Id: 1.0.0.0	
<i>Description:</i> The Polar_Stereographic class contains parameters for the Polar Stereographic projection.			
<i>Namespace Id:</i> cart	<i>Steward:</i> cart	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Polar_Stereographic			
<i>No Attributes</i>			
<i>No Associations</i>			
<i>Referenced from:</i> Map_Projection, Universal_Polar_Stereographic			

Polyconic

Name: Polyconic		Version Id: 1.0.0.0	
<i>Description:</i> The Polyconic class contains parameters for the Polyconic projection.			
<i>Namespace Id:</i> cart	<i>Steward:</i> cart	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Polyconic			
<i>No Attributes</i>			
<i>No Associations</i>			
<i>Referenced from:</i> Map_Projection, State_Plane_Coordinate_System			

Sinusoidal

Name: Sinusoidal		Version Id: 1.0.0.0	
<i>Description:</i> The Sinusoidal class contains parameters for the Sinusoidal projection.			
<i>Namespace Id:</i> cart	<i>Steward:</i> cart	<i>Role:</i> concrete	<i>Status:</i> Active

Name: Sinusoidal	Version Id: 1.0.0.0
<i>Class Hierarchy:</i> Sinusoidal	
No Attributes	
No Associations	
<i>Referenced from:</i> Map_Projection	

Spatial_Domain

Name: Spatial_Domain	Version Id: 1.0.0.0		
<i>Description:</i> The Spatial_Domain class describes the geographic areal domain of the data set.			
Namespace Id: cart	Steward: cart	Role: concrete	Status: Active
<i>Class Hierarchy:</i> Tagged_NonDigital_Object :: TNDO_Cartography :: Spatial_Domain			
No Attributes			
Association(s)	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	has_Bounding_Coordinates	1..1	Bounding_Coordinates
<i>Referenced from:</i> Cartography			

Spatial_Reference_Information

Name: Spatial_Reference_Information	Version Id: 1.0.0.0		
<i>Description:</i> The Spatial_Reference_Information class provides a description of the reference frame for, and the means to encode, coordinates in a data set.			
Namespace Id: cart	Steward: cart	Role: concrete	Status: Active
<i>Class Hierarchy:</i> Tagged_NonDigital_Object :: TNDO_Cartography :: Spatial_Reference_Information			
No Attributes			
Association(s)	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	has_Horizontal_Coordinate_System_Definition	1..1	Horizontal_Coordinate_System_Definition
<i>Referenced from:</i> Cartography			

State_Plane_Coordinate_System

Name: State_Plane_Coordinate_System	Version Id: 1.0.0.0		
<i>Description:</i> The State_Plane_Coordinate_System class defines a plane-rectangular coordinate system established for each state in the United States by the National Geodetic Survey.			
Namespace Id: cart	Steward: cart	Role: concrete	Status: Active
<i>Class Hierarchy:</i> Tagged_NonDigital_Object :: TNDO_Cartography :: State_Plane_Coordinate_System			
Attribute(s)	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	spcs_zone_identifier	1..1	None
Association(s)	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	has_Polyconic	1..1	Lambert_Conformal_Conic, Oblique_

Name: State_Plane_Coordinate_System		Version Id: 1.0.0.0
		Mercator, Polyconic, Transverse_Mercator
<i>Referenced from:</i> Grid_Coordinate_System		

Transverse_Mercator

Name: Transverse_Mercator	Version Id: 1.0.0.0		
<i>Description:</i> The Transverse_Mercator class contains parameters for the Transverse Mercator projection.			
<i>Namespace Id:</i> cart	<i>Steward:</i> cart	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Transverse_Mercator			
<i>No Attributes</i>			
<i>No Associations</i>			
<i>Referenced from:</i> Map_Projection, State_Plane_Coordinate_System, Universal_Transverse_Mercator			

Universal_Polar_Stereographic

Name: Universal_Polar_Stereographic	Version Id: 1.0.0.0		
<i>Description:</i> The Universal_Polar_Stereographic class defines a grid system based on the polar stereographic projection, applied to the planet's polar regions north of 84 degrees north and south of 80 degrees south.			
<i>Namespace Id:</i> cart	<i>Steward:</i> cart	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Tagged_NonDigital_Object :: TNDO_Cartography :: Universal_Polar_Stereographic			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	ups_zone_identifier	1..1	A, B, Y, Z
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	has_Polar_Stereographic	1..1	Polar_Stereographic
<i>Referenced from:</i> Grid_Coordinate_System			

Universal_Transverse_Mercator

Name: Universal_Transverse_Mercator	Version Id: 1.0.0.0		
<i>Description:</i> The Universal_Transverse_Mercator class defines a grid system based on the transverse mercator projection, applied between latitudes 84 degrees north and 80 degrees south on the planet's surface.			
<i>Namespace Id:</i> cart	<i>Steward:</i> cart	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Tagged_NonDigital_Object :: TNDO_Cartography :: Universal_Transverse_Mercator			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	utm_zone_number	1..1	None
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>

Name: Universal_Transverse_Mercator			Version Id: 1.0.0.0
	has_Transverse_ Mercator	1..1	Transverse_Mercator
<i>Referenced from:</i> Grid_Coordinate_System			

Chapter 8. Classes in the Display namespace.

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

Color_Display_Settings

Name: Color_Display_Settings		Version Id: 1.0.0.0	
<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.			
Namespace Id: disp	Steward: img	Role: concrete	Status: Active
<i>Class Hierarchy:</i> Product_Components :: Color_Display_Settings			
Attribute(s)	Name	Cardinality	Value
	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
No Associations			
<i>Referenced from:</i> Display_Settings			

Display_Direction

Name: Display_Direction		Version Id: 1.0.0.0	
<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.			
Namespace Id: disp	Steward: img	Role: concrete	Status: Active
<i>Class Hierarchy:</i> Product_Components :: Display_Direction			
Attribute(s)	Name	Cardinality	Value
	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
No Associations			
<i>Referenced from:</i> Display_Settings			

Display_Settings

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

Name: Display_Settings			Version Id: 1.0.0.0
<i>Namespace Id:</i> disp	<i>Steward:</i> img	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Product_Components :: Display_Settings			
<i>No Attributes</i>			
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	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
<i>Referenced from:</i> None			

Movie_Display_Settings

Name: Movie_Display_Settings			Version Id: 1.0.0.0
<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.			
<i>Namespace Id:</i> disp	<i>Steward:</i> img	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Product_Components :: Movie_Display_Settings			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	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
<i>No Associations</i>			
<i>Referenced from:</i> Display_Settings			

Chapter 9. Attributes in the common namespace.

These attributes are used by the classes in the common namespace.

abstract_desc in Data_Set_PDS3

Name: abstract_desc			Version Id: 1.0.0.0
<i>Description:</i> The abstract desc attribute provides a summary of a text, scientific article, or document.			
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		

abstract_desc in Service

Name: abstract_desc			Version Id: 1.0.0.0
<i>Description:</i> The abstract desc attribute provides a summary of a text, scientific article, or document.			
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)	No Values		

abstract_flag in DD_Class

Name: abstract_flag			Version Id: 1.0.0.0
<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.			
Namespace Id: pds	Steward: ops	Class Name: DD_Class	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		

abstract_flag in DD_Class_Full

Name: abstract_flag		Version Id: 1.0.0.0	
<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

Name: acknowledgement_text		Version Id: 1.0.0.0	
<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

Name: address		Version Id: 1.0.0.0	
<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

Name: affiliation_type		Version Id: 1.0.0.0	
<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.			

Name: affiliation_type			Version Id: 1.0.0.0
<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

Name: aip_label_checksum			Version Id: 1.0.0.0
<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

Name: aip_lidvid			Version Id: 1.0.0.0
<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

Name: aip_lidvid			Version Id: 1.0.0.0
<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

Name: alternate_designation			Version Id: 1.0.0.0
<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

Name: alternate_id			Version Id: 1.0.0.0
<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

Name: alternate_telephone_number			Version Id: 1.0.0.0
<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

Name: alternate_telephone_number			Version Id: 1.0.0.0
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

alternate_title in Alias

Name: alternate_title			Version Id: 1.0.0.0
<i>Description:</i> The alternate_title attribute provides an alternate title for the product.			
Namespace Id: pds	Steward: pds	Class Name: Alias	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: Title	Conceptual Domain: Short_String
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

altitude in Telescope *Deprecated*

Name: altitude *Deprecated*			Version Id: 1.0.0.0
<i>Description:</i> The altitude attribute provides the height of anything above a given reference plane.			
Namespace Id: pds	Steward: pds	Class Name: Telescope	Type: ASCII_Real
Minimum Value: -1.7976931348623157e30	Maximum Value: 87976931348623157e30	Minimum Characters: None	Maximum Characters: None
Unit of Measure Type: Units_of_Length	Default Unit Id: m	Attribute Concept: Number	Conceptual Domain: Real
Status: Deprecated	Nillable: false	Pattern: [-]?[0-9]+(\.[0-9]+)?([eE][-]?[0-9]+)?	
Permissible Value(s)	No Values		

aperture in Telescope

Name: aperture			Version Id: 1.0.0.0
<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.			
Namespace Id: pds	Steward: pds	Class Name: Telescope	Type: ASCII_Real
Minimum Value: 0	Maximum Value: 1.7976931348623157e30	Minimum Characters: None	Maximum Characters: None
Unit of Measure Type: Units_of_Length	Default Unit Id: m	Attribute Concept: Number	Conceptual Domain: Real
Status: Active	Nillable: false	Pattern: [-]?[0-9]+(\.[0-9]+)?([eE][-]?[0-9]+)?	
Permissible Value(s)	No Values		

archive_status in Data_Set_PDS3

Name: archive_status		Version Id: 1.0.0.0	
<p>Description: 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.</p>			
<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>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 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).	

Name: archive_status		Version Id: 1.0.0.0
	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).
	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

Name: archive_status		Version Id: 1.0.0.0
<p><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.</p>		

Attributes in the
common namespace.

Name: archive_status			Version Id: 1.0.0.0
<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> 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)	

Name: archive_status		Version Id: 1.0.0.0
		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 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

Name: archive_status_note		Version Id: 1.0.0.0	
<i>Description:</i> The archive status note attribute provides a comment about the archive status.			
Namespace Id: pds	Steward: ops	Class Name: Volume_PDS3	Type: ASCII_Text_Preserved
Minimum Value: None	Maximum Value: None	Minimum Characters: 1	Maximum Characters: 255
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		

attribute_concept in DD_Attribute_Full

Name: attribute_concept			Version Id: 1.0.0.0
<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
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</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	

Attributes in the
common namespace.

Name: attribute_concept		Version Id: 1.0.0.0
	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
	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

Name: attribute_concept		Version Id: 1.0.0.0
	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
	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

Name: author_list		Version Id: 1.0.0.0	
<p>Description: 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.</p>			
Namespace Id: pds	Steward: pds	Class Name: Citation_Information	Type: UTF8_Text_Preserved
Minimum Value: None	Maximum Value: None	Minimum Characters: 1	Maximum Characters: None

Name: author_list			Version Id: 1.0.0.0
<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 Document

Name: author_list			Version Id: 1.0.0.0
<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

Name: author_list			Version Id: 1.0.0.0
<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

Name: axes			Version Id: 1.0.0.0
<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_NonNegative_Integer

Name: axes			Version Id: 1.0.0.0
<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> [0-9]+	
<i>Permissible Value(s)</i>	<i>No Values</i>		

axes in Array_1D *Deprecated*

Name: axes			Version Id: 1.0.0.0
<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_ NonNegative_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>Nillable:</i> false	<i>Pattern:</i> [0-9]+	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	1	Array_1D has 1 axis	

axes in Array_2D

Name: axes			Version Id: 1.0.0.0
<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_ NonNegative_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> [0-9]+	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	2	Array_2D has 2 axes	

axes in Array_3D

Name: axes			Version Id: 1.0.0.0
<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_ NonNegative_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

Name: axes			Version Id: 1.0.0.0
<i>Status: Active</i>	<i>Nillable: false</i>	<i>Pattern: [0-9]+</i>	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	3	Array_3D has 3 axes	

axis_index_order in Array

Name: axis_index_order			Version Id: 1.0.0.0
<i>Description:</i> The axis_index_order attribute provides the axis index that varies fastest with respect to storage order.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> 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> Order	<i>Conceptual Domain:</i> Short_String
<i>Status: Active</i>	<i>Nillable: false</i>	<i>Pattern: None</i>	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	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

Name: axis_name			Version Id: 1.0.0.0
<i>Description:</i> The axis_name attribute provides a word or combination of words by which the axis is known.			
<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> Name	<i>Conceptual Domain:</i> Short_String
<i>Status: Active</i>	<i>Nillable: false</i>	<i>Pattern: None</i>	
<i>Permissible Value(s)</i>	<i>No Values</i>		

band_number in Band_Bin *Deprecated*

Name: band_number			Version Id: 1.0.0.0
<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.			
<i>Namespace Id:</i> pds	<i>Steward:</i> img	<i>Class Name:</i> Band_Bin *Deprecated*	<i>Type:</i> ASCII_NonNegative_Integer
<i>Minimum Value:</i> 1	<i>Maximum Value:</i> 512	<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

Attributes in the
common namespace.

Name: band_number			Version Id: 1.0.0.0
Status: Active	Nillable: false	Pattern: [0-9]+	
Permissible Value(s)	No Values		

band_width in Band_Bin *Deprecated*

Name: band_width			Version Id: 1.0.0.0
<i>Description:</i> The band_width attribute provides the width, at half height, of the band.			
Namespace Id: pds	Steward: img	Class Name: Band_Bin *Deprecated*	Type: ASCII_Real
Minimum Value: 0	Maximum Value: 1.7976931348623157e30	Minimum Characters: None	Maximum Characters: None
Unit of Measure Type: Units_of_Length	Default Unit Id: None	Attribute Concept: None	Conceptual Domain: Real
Status: Active	Nillable: false	Pattern: [-+]?[0-9]+(.[?][0-9]+)?([eE][-+]?[0-9]+)?	
Permissible Value(s)	No Values		

bit_fields in Packed_Data_Fields

Name: bit_fields			Version Id: 1.0.0.0
<i>Description:</i> The bit_fields attribute provides the number of defined bit fields (Field_Bit definitions) within the Packed_Data_Field.			
Namespace Id: pds	Steward: pds	Class Name: Packed_Data_Fields	Type: ASCII_NonNegative_Integer
Minimum Value: 1	Maximum Value: 18446744073709551615	Minimum Characters: None	Maximum Characters: None
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: Count	Conceptual Domain: Integer
Status: Active	Nillable: false	Pattern: [0-9]+	
Permissible Value(s)	No Values		

bit_mask in Object_Statistics *Deprecated*

Name: bit_mask *Deprecated*			Version Id: 1.0.0.0
<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).			
Namespace Id: pds	Steward: pds	Class Name: Object_Statistics	Type: ASCII_Numeric_Base2
Minimum Value: None	Maximum Value: None	Minimum Characters: 1	Maximum Characters: 255
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: Mask	Conceptual Domain: Numeric
Status: Deprecated	Nillable: false	Pattern: [0-1]{1,255}	
Permissible Value(s)	No Values		

bit_string in Digital_Object

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

bundle_type in Bundle

Name: bundle_type			Version Id: 1.0.0.0
<i>Description:</i> The bundle_type attribute provides a classification for the bundle.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Bundle	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</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 Meaning</i>	
	Archive	The Bundle contains at least one data collection	
	Supplemental	The Bundle does not contain a data collection	

category in Service

Name: category			Version Id: 1.0.0.0
<i>Description:</i> The category attribute identifies the type of function that the tool or service performs.			
<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 Meaning</i>	
	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.	

Name: category		Version Id: 1.0.0.0
	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.
	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*

Name: center_wavelength		Version Id: 1.0.0.0	
<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> 1.7976931348623157e30	<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> [-]?[0-9]+(\.? [0-9]+)?([eE][-]?[0-9]+)?	
<i>Permissible Value(s)</i>	<i>No Values</i>		

character_constraint in ASCII_AnyURI

Name: character_constraint		Version Id: 1.0.0.0
<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>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</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_AnyURI must be ASCII.

character_constraint in ASCII_DOI

Name: character_constraint			Version Id: 1.0.0.0
<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
<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

Name: character_constraint			Version Id: 1.0.0.0
<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

Name: character_constraint			Version Id: 1.0.0.0
<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

Name: character_constraint			Version Id: 1.0.0.0
<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
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</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

Name: character_constraint			Version Id: 1.0.0.0
<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

Name: character_constraint			Version Id: 1.0.0.0
<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

Name: character_constraint			Version Id: 1.0.0.0
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	Value	Value Meaning	
	ASCII	Values of ASCII_Date_Time_DOU_UTC must be ASCII	

character_constraint in ASCII_Date_Time_UTC *Deprecated*

Name: character_constraint			Version Id: 1.0.0.0
<i>Description:</i> The character_constraint attribute limits the characters allowed.			
Namespace Id: pds	Steward: pds	Class Name: ASCII_Date_Time_UTC *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	
	ASCII	Values of ASCII_Date_Time_UTC must be ASCII	

character_constraint in ASCII_Date_Time_YMD

Name: character_constraint			Version Id: 1.0.0.0
<i>Description:</i> The character_constraint attribute limits the characters allowed.			
Namespace Id: pds	Steward: pds	Class Name: ASCII_Date_Time_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_Time_YMD must be ASCII	

character_constraint in ASCII_Date_Time_YMD_UTC

Name: character_constraint			Version Id: 1.0.0.0
<i>Description:</i> The character_constraint attribute limits the characters allowed.			

Name: character_constraint			Version Id: 1.0.0.0
<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>	
	ASCII	Values of ASCII_Date_Time_YMD_UTC must be ASCII	

character_constraint in ASCII_Date_YMD

Name: character_constraint			Version Id: 1.0.0.0
<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_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_YMD must be ASCII	

character_constraint in ASCII_Directory_Path_Name

Name: character_constraint			Version Id: 1.0.0.0
<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_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> 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_Directory_Path_Name must be ASCII	

character_constraint in ASCII_File_Name

Name: character_constraint			Version Id: 1.0.0.0
<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_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>	
	ASCII	Values of ASCII_File_Name must be ASCII	

character_constraint in ASCII_File_Specification_Name

Name: character_constraint			Version Id: 1.0.0.0
<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_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>	
	ASCII	Values of ASCII_File_Specification_Name must be ASCII	

character_constraint in ASCII_Integer

Name: character_constraint			Version Id: 1.0.0.0
<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_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_LID

Name: character_constraint			Version Id: 1.0.0.0
<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_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_LID must be ASCII	

character_constraint in ASCII_LIDVID

Name: character_constraint			Version Id: 1.0.0.0
<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

Name: character_constraint			Version Id: 1.0.0.0
<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_Local_Identifier

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

character_constraint in ASCII_Local_Identifier_Reference

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

character_constraint in ASCII_MD5_Checksum

Name: character_constraint		Version Id: 1.0.0.0
<i>Description:</i> The character_constraint attribute limits the characters allowed.		
Namespace Id: pds	Steward: pds	Class Name: ASCII_MD5_Checksum
Minimum Value: None	Maximum Value: None	Minimum Characters: 1
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: None
Status: Active	Nillable: false	Pattern: None

Name: character_constraint		Version Id: 1.0.0.0
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>
	ASCII	Values of ASCII_MD5_Checksum must be ASCII

character_constraint in ASCII_NonNegative_Integer

Name: character_constraint		Version Id: 1.0.0.0
<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>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None
<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

Name: character_constraint		Version Id: 1.0.0.0
<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>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None
<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

Name: character_constraint		Version Id: 1.0.0.0
<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>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None

Name: character_constraint			Version Id: 1.0.0.0
Permissible Value(s)	Value	Value Meaning	
	ASCII	Values of ASCII_Numeric_Base2 must be ASCII	

character_constraint in ASCII_Numeric_Base8

Name: character_constraint			Version Id: 1.0.0.0
Description: The character_constraint attribute limits the characters allowed.			
Namespace Id: pds	Steward: pds	Class Name: ASCII_Numeric_Base8	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_Numeric_Base8 must be ASCII	

character_constraint in ASCII_Real

Name: character_constraint			Version Id: 1.0.0.0
Description: The character_constraint attribute limits the characters allowed.			
Namespace Id: pds	Steward: pds	Class Name: ASCII_Real	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_Short_String_Collapsed

Name: character_constraint			Version Id: 1.0.0.0
Description: The character_constraint attribute limits the characters allowed.			
Namespace Id: pds	Steward: pds	Class Name: ASCII_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: None	Conceptual Domain: Short_String

Name: character_constraint			Version Id: 1.0.0.0
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	Value	Value Meaning	
	ASCII	Values of ASCII_Short_String_Collapsed must be ASCII	

character_constraint in ASCII_Short_String_Preserved

Name: character_constraint			Version Id: 1.0.0.0
<i>Description:</i> The character_constraint attribute limits the characters allowed.			
Namespace Id: pds	Steward: pds	Class Name: ASCII_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: None	Conceptual Domain: Short_String
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	Value	Value Meaning	
	ASCII	Values of ASCII_Short_String_Preserved must be ASCII	

character_constraint in ASCII_String

Name: character_constraint			Version Id: 1.0.0.0
<i>Description:</i> The character_constraint attribute limits the characters allowed.			
Namespace Id: pds	Steward: pds	Class Name: ASCII_String	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_String must be ASCII	

character_constraint in ASCII_Text_Collapsed

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

Name: character_constraint			Version Id: 1.0.0.0
<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

Name: character_constraint			Version Id: 1.0.0.0
<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

Name: character_constraint			Version Id: 1.0.0.0
<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

Name: character_constraint			Version Id: 1.0.0.0
<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

Attributes in the common namespace.

Name: character_constraint			Version Id: 1.0.0.0
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_VID must be ASCII	

character_constraint in Character_Data_Type

Name: character_constraint			Version Id: 1.0.0.0
Description: The character_constraint attribute limits the characters allowed.			
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	
Permissible Value(s)	No Values		

character_constraint in UTF8_Short_String_Collapsed

Name: character_constraint			Version Id: 1.0.0.0
Description: The character_constraint attribute limits the characters allowed.			
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: None	Conceptual Domain: Short_String
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

character_constraint in UTF8_Short_String_Preserved

Name: character_constraint			Version Id: 1.0.0.0
Description: The character_constraint attribute limits the characters allowed.			
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: None	Conceptual Domain: Short_String

Attributes in the common namespace.

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

character_constraint in UTF8_Text_Preserved

Name: character_constraint			Version Id: 1.0.0.0
<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

Name: character_encoding			Version Id: 1.0.0.0
<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

Name: character_encoding			Version Id: 1.0.0.0
<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	

Attributes in the common namespace.

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

checksum_manifest_checksum in Information_Package_Component

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

checksum_type in Information_Package_Component

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

checksum_type in Information_Package_Component_Deep_Archive

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

Name: checksum_type			Version Id: 1.0.0.0
		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>Value</i>	<i>Value Meaning</i>	
	MD5Deep 4.n	The information package is governed by the Message-Digest Algorithm (MD5) output of the MD5 Deep Package Version 4.n (see http://md5deep.sourceforge.net/).	

citation_text in Data_Set_PDS3

Name: citation_text			Version Id: 1.0.0.0
<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

Name: class_name			Version Id: 1.0.0.0
<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

Name: collection_type			Version Id: 1.0.0.0
<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

Name: collection_type			Version Id: 1.0.0.0
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</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>	
	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

Name: comment			Version Id: 1.0.0.0
<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

Name: comment			Version Id: 1.0.0.0
<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

Name: comment		Version Id: 1.0.0.0	
<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

Name: comment		Version Id: 1.0.0.0	
<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

Name: comment		Version Id: 1.0.0.0	
<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

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

Name: comment			Version Id: 1.0.0.0
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> DD_Class_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 Display_Direction

Name: comment			Version Id: 1.0.0.0
<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

Name: comment			Version Id: 1.0.0.0
<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

Name: comment			Version Id: 1.0.0.0
<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

Attributes in the common namespace.

Name: comment			Version Id: 1.0.0.0
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		

comment in Internal_Reference

Name: comment			Version Id: 1.0.0.0
<i>Description:</i> The comment attribute provides one or more remarks or thoughts relevant to the object.			
Namespace Id: pds	Steward: pds	Class Name: Internal_Reference	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		

comment in Local_Internal_Reference

Name: comment			Version Id: 1.0.0.0
<i>Description:</i> The comment attribute is a character string expressing one or more remarks or thoughts relevant to the object.			
Namespace Id: pds	Steward: pds	Class Name: Local_Internal_Reference	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: None	Conceptual Domain: Text
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

comment in Movie_Display_Settings

Name: comment			Version Id: 1.0.0.0
<i>Description:</i> The comment attribute is a character string expressing one or more remarks or thoughts relevant to the object.			
Namespace Id: pds	Steward: img	Class Name: Movie_Display_Settings	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: None	Conceptual Domain: Text
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

compile_note in Software_Source

Name: compile_note			Version Id: 1.0.0.0
<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

Name: conceptual_domain			Version Id: 1.0.0.0
<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 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

Name: confidence_level_note			Version Id: 1.0.0.0
<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			

Name: confidence_level_note			Version Id: 1.0.0.0
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.			
<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> 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>	

constant_value in DD_Association

Name: constant_value			Version Id: 1.0.0.0
<i>Description:</i> The constant value attribute provides the value to be used if an attribute is static.			
<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> 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>	

container_type in Zip

Name: container_type			Version Id: 1.0.0.0
<i>Description:</i> The container type attribute indicates the method used to package the components.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Zip	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</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>	
	GZIP	Product_Zipped is in container type GZIP, a compressed file format based on the DEFLATE algorithm. See http://www.gzip.org/	
	LZIP	Product_Zipped is in container type LZIP, a compressed file format that is created using the Lempel-Ziv-Markov chain algorithm. See http://lzip.nongnu.org/lzip.html	
	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	

Name: container_type		Version Id: 1.0.0.0
		file. See http://www.freebsd.org/cgi/man.cgi?query=tar&sektion=5&manpath=FreeBSD+8-current
	ZIP	Product_Zipped 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 http://www.pkware.com/support/zip-app-note/

coordinate_source in Telescope

Name: coordinate_source		Version Id: 1.0.0.0	
<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

Name: copyright		Version Id: 1.0.0.0	
<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

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

Attributes in the
common namespace.

Name: country		Version Id: 1.0.0.0
Permissible Value(s)	No Values	

creation_date_time in File

Name: creation_date_time		Version Id: 1.0.0.0	
<i>Description:</i> The creation_date_time attribute provides a date and time when the object was created.			
Namespace Id: pds	Steward: pds	Class Name: File	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		

curating_node_id in Volume_PDS3

Name: curating_node_id		Version Id: 1.0.0.0	
<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.			
Namespace Id: pds	Steward: ops	Class Name: Volume_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: ID	Conceptual Domain: Short_String
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

data_regime in Primary_Result_Summary ***Deprecated***

Name: data_regime *Deprecated*		Version Id: 1.0.0.0	
<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.			
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: Deprecated	Nillable: false	Pattern: None	
Permissible Value(s)	Value	Value Meaning	

Name: data_regime *Deprecated*		Version Id: 1.0.0.0
	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 EHHz (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.

Name: data_regime *Deprecated*		Version Id: 1.0.0.0
	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 EHHz (frequency), 0.01 nm - 10 nm (wavelength), or 120 eV - 120 keV (photon energy))

data_set_desc in Data_Set_PDS3

Name: data_set_desc		Version Id: 1.0.0.0	
<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).			
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_set_id in Data_Set_PDS3

Name: data_set_id		Version Id: 1.0.0.0	
<i>Description:</i> The data set id provides a formal name used to refer to a data set.			
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: ID	Conceptual Domain: Short_String
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

data_set_name in Data_Set_PDS3

Name: data_set_name		Version Id: 1.0.0.0
<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		

Name: data_set_name			Version Id: 1.0.0.0
<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> 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>		

data_set_release_date in Data_Set_PDS3

Name: data_set_release_date			Version Id: 1.0.0.0
<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.			
<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> Time	<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_terse_desc in Data_Set_PDS3

Name: data_set_terse_desc			Version Id: 1.0.0.0
<i>Description:</i> A one line description of the data set			
<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_type in Element_Array

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

Name: data_type			Version Id: 1.0.0.0
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</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 twos-complement 32-bit binary integers with the most significant byte first	

Name: data_type		Version Id: 1.0.0.0
	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

Name: data_type		Version Id: 1.0.0.0
<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>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Type
<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

Name: data_type		Version Id: 1.0.0.0
	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 namespace.

Name: data_type		Version Id: 1.0.0.0
	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

Name: data_type			Version Id: 1.0.0.0
<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").			
Namespace Id: pds	Steward: pds	Class Name: Field_Bit	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	
	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

Name: data_type			Version Id: 1.0.0.0
<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").			
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: Type	Conceptual Domain: Short_String
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	Value	Value Meaning	
	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_DOF	Values in Field_Character have data type ASCII_Date_DOF	
	ASCII_Date_Time_DOF	Values in Field_Character have data type ASCII_Date_Time_DOF	
	ASCII_Date_Time_DOF_UTC	Values in Field_Character have data type ASCII_Date_Time_DOF_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	

Name: data_type		Version Id: 1.0.0.0
	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

Name: data_type	Version Id: 1.0.0.0		
<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").			
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

Name: data_type			Version Id: 1.0.0.0
<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	

Name: data_type			Version Id: 1.0.0.0
	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

Name: data_type			Version Id: 1.0.0.0
<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").			
Namespace Id: pds	Steward: pds	Class Name: Quaternion_Component	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	
	ASCII_Real	The value is expressed using the data type ASCII_Real	

data_type in Vector

Name: data_type			Version Id: 1.0.0.0
<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").			
Namespace Id: pds	Steward: pds	Class Name: Vector	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	
	ASCII_Real	The value is expressed using the data type ASCII_Real	

date_time in Update_Entry

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

Attributes in the
common namespace.

Name: date_time			Version Id: 1.0.0.0
<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>		

definition in DD_Attribute

Name: definition			Version Id: 1.0.0.0
<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>	<i>No Values</i>		

definition in DD_Attribute_Full

Name: definition			Version Id: 1.0.0.0
<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>	<i>No Values</i>		

definition in DD_Class

Name: definition			Version Id: 1.0.0.0
<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>	<i>No Values</i>		

definition in DD_Class_Full

Name: definition			Version Id: 1.0.0.0
<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

Name: definition			Version Id: 1.0.0.0
<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

Name: description			Version Id: 1.0.0.0
<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 Airborne

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

Attributes in the
common namespace.

Name: description			Version Id: 1.0.0.0
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Airborne	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</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 Array

Name: description			Version Id: 1.0.0.0
<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> 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

Name: description			Version Id: 1.0.0.0
<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

Name: description			Version Id: 1.0.0.0
<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

Attributes in the
common namespace.

Name: description			Version Id: 1.0.0.0
<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

Name: description			Version Id: 1.0.0.0
<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
<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 Document

Name: description			Version Id: 1.0.0.0
<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>	<i>No Values</i>		

description in Document_Edition

Name: description			Version Id: 1.0.0.0
<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>	<i>No Values</i>		

description in Encoded_Byte_Stream

Name: description			Version Id: 1.0.0.0
<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>	<i>No Values</i>		

description in External_Reference

Name: description			Version Id: 1.0.0.0
<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

Name: description			Version Id: 1.0.0.0
<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

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

Attributes in the
common namespace.

Name: description			Version Id: 1.0.0.0
<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

Name: description			Version Id: 1.0.0.0
<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_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

Name: description			Version Id: 1.0.0.0
<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

Name: description			Version Id: 1.0.0.0
<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

Attributes in the
common namespace.

Name: description			Version Id: 1.0.0.0
<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

Name: description			Version Id: 1.0.0.0
<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
<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 Group

Name: description			Version Id: 1.0.0.0
<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>	<i>No Values</i>		

description in Information_Package

Name: description			Version Id: 1.0.0.0
<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>	<i>No Values</i>		

description in Instrument

Name: description			Version Id: 1.0.0.0
<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>	<i>No Values</i>		

description in Instrument_Host

Name: description			Version Id: 1.0.0.0
<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

Name: description			Version Id: 1.0.0.0
<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

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

Attributes in the
common namespace.

Name: description			Version Id: 1.0.0.0
<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

Name: description			Version Id: 1.0.0.0
<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> 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

Name: description			Version Id: 1.0.0.0
<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

Name: description			Version Id: 1.0.0.0
<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

Attributes in the common namespace.

Name: description			Version Id: 1.0.0.0
<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

Name: description			Version Id: 1.0.0.0
<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
<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

Name: description			Version Id: 1.0.0.0
<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

Name: description			Version Id: 1.0.0.0
<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

Attributes in the common namespace.

Name: description			Version Id: 1.0.0.0
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

description in PDS_Guest

Name: description			Version Id: 1.0.0.0
<i>Description:</i> The description attribute provides a statement, picture in words, or account that describes or is otherwise relevant to the object.			
Namespace Id: pds	Steward: ops	Class Name: PDS_Guest	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: Description	Conceptual Domain: Text
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

description in Packed_Data_Fields

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

description in Parsable_Byt_Steam

Name: description			Version Id: 1.0.0.0
<i>Description:</i> The description attribute provides a statement, picture in words, or account that describes or is otherwise relevant to the object.			
Namespace Id: pds	Steward: pds	Class Name: Parsable_Byt_Steam	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: Description	Conceptual Domain: Text
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

description in Primary_Result_Summary

Name: description			Version Id: 1.0.0.0
<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> Primary_Result_Summary	<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 Property_Map

Name: description			Version Id: 1.0.0.0
<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

Name: description			Version Id: 1.0.0.0
<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

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

Attributes in the
common namespace.

Name: description			Version Id: 1.0.0.0
<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

Name: description			Version Id: 1.0.0.0
<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_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

Name: description			Version Id: 1.0.0.0
<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

Name: description			Version Id: 1.0.0.0
<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

Attributes in the
common namespace.

Name: description			Version Id: 1.0.0.0
<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

Name: description			Version Id: 1.0.0.0
<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
<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

Name: description			Version Id: 1.0.0.0
<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

Name: description			Version Id: 1.0.0.0
<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

Name: description	Version Id: 1.0.0.0	
Status: Active	Nillable: false	Pattern: None
Permissible Value(s)	No Values	

description in Target_Identification

Name: description	Version Id: 1.0.0.0		
<i>Description:</i> The description attribute provides additional information or clarification, as needed.			
Namespace Id: pds	Steward: pds	Class Name: Target_ Identification	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: Description	Conceptual Domain: Text
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

description in Telescope

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

description in Update *Deprecated*

Name: description	Version Id: 1.0.0.0		
<i>Description:</i> The description attribute provides a statement, picture in words, or account that describes or is otherwise relevant to the object.			
Namespace Id: pds	Steward: pds	Class Name: Update *Deprecated*	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: Description	Conceptual Domain: Text
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

description in Update_Entry

Name: description			Version Id: 1.0.0.0
<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> Update_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 Vector

Name: description			Version Id: 1.0.0.0
<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

Name: description			Version Id: 1.0.0.0
<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

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

Name: description			Version Id: 1.0.0.0
<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

Name: description			Version Id: 1.0.0.0
<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_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

Name: description			Version Id: 1.0.0.0
<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*

Name: detector_number			Version Id: 1.0.0.0
<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_NonNegative_Integer

Name: detector_number			Version Id: 1.0.0.0
<i>Minimum Value:</i> 1	<i>Maximum Value:</i> 18446744073709551615	<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> [0-9]+	
<i>Permissible Value(s)</i>		<i>No Values</i>	

directory_path_name in Document_File

Name: directory_path_name			Version Id: 1.0.0.0
<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
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</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

Name: discipline_name			Version Id: 1.0.0.0
<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>	
	Atmospheres	atmospheric observations	
	Fields	electric and magnetic field data	
	Flux Measurements	photometry/polarimetry not resulting in images or spectra	
	Geosciences	observations of the surface or interior of a planet or satellite	
	Imaging	any non-spectroscopic image, of any dimensionality (color, movies, etc.)	
	Particles	ions, electrons, and anything not classified as 'dust'	

Name: discipline_name			Version Id: 1.0.0.0
	Radio Science	observations of propagating electromagnetic waves	
	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

Name: document_editions			Version Id: 1.0.0.0
<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_NonNegative_Integer
<i>Minimum Value:</i> 1	<i>Maximum Value:</i> 18446744073709551615	<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> [0-9]+	
<i>Permissible Value(s)</i>	<i>No Values</i>		

document_name in Document

Name: document_name			Version Id: 1.0.0.0
<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.			
<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> Name	<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>		

document_standard_id in Document_File

Name: document_standard_id			Version Id: 1.0.0.0
<i>Description:</i> The document_standard_id attribute provides the formal name of a standard used for the structure of a document file.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Document_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

Name: document_standard_id			Version Id: 1.0.0.0
<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 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.	
	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.	
	MPEG-4	The Document_File is governed by the standard Moving Picture Experts Group (MPEG), ISO/IEC 14496-14, 14496-10 and 14496-3 subject to the restrictions laid out in the Document Products section of the PDS4 Standards Reference.	
	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.	

Name: document_standard_id		Version Id: 1.0.0.0
	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

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

doi in External_Reference

Name: doi		Version Id: 1.0.0.0	
<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> External_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> DOI	<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>	

domain in Science_Facets

Name: domain		Version Id: 1.0.0.0
<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.		

Name: domain			Version Id: 1.0.0.0
<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>	
	Atmosphere	an envelope of uncharged gases and particles surrounding the target and bound to it primarily by gravitational forces	
	Dynamics	The data provide information relating to the orbital motion of one or more bodies (e.g., astrometric observations).	
	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 primarily under the control of the target body's magnetic field.	
	Rings	A ring is a narrow band or disc orbiting an astronomical body (planet, dwarf planet, satellite, asteroid, etc.) that is composed of solid material ranging in size from fine dust to a few tens of kilometers.	
	Surface	the boundary between the solid/liquid portion of a target and its atmosphere, ionosphere, or magnetosphere (or space).	

edition_name in Document_Edition

Name: edition_name			Version Id: 1.0.0.0
<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

Name: edition_name			Version Id: 1.0.0.0
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

editor_list in Citation_Information

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

editor_list in Document

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

electronic_mail_address in PDS_Affiliate

Name: electronic_mail_address			Version Id: 1.0.0.0
<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

Name: electronic_mail_address			Version Id: 1.0.0.0
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</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

Name: electronic_mail_address			Version Id: 1.0.0.0
<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

Name: element_flag			Version Id: 1.0.0.0
<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
<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>No Values</i>		

element_flag in DD_Class_Full

Name: element_flag			Version Id: 1.0.0.0
<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

Attributes in the
common namespace.

Name: element_flag			Version Id: 1.0.0.0
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

elements in Axis_Array

Name: elements			Version Id: 1.0.0.0
<i>Description:</i> The elements attribute provides the count of the number of elements along an array axis.			
Namespace Id: pds	Steward: pds	Class Name: Axis_Array	Type: ASCII_NonNegative_Integer
Minimum Value: 1	Maximum Value: 18446744073709551615	Minimum Characters: None	Maximum Characters: None
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: Count	Conceptual Domain: Integer
Status: Active	Nillable: false	Pattern: [0-9]+	
Permissible Value(s)	No Values		

encoding_standard_id in Encoded_Binary

Name: encoding_standard_id			Version Id: 1.0.0.0
<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.			
Namespace Id: pds	Steward: pds	Class Name: Encoded_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)	Value	Value Meaning	
	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

Name: encoding_standard_id			Version Id: 1.0.0.0
<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.			
Namespace Id: pds	Steward: pds	Class Name: Encoded_Byte_Stream	Type: ASCII_Short_String_Collapsed
Minimum Value: None	Maximum Value: None	Minimum Characters: 1	Maximum Characters: 255

Name: encoding_standard_id			Version Id: 1.0.0.0
<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

Name: encoding_standard_id			Version Id: 1.0.0.0
<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

Name: encoding_standard_id			Version Id: 1.0.0.0
<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
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</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	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.	

Name: encoding_standard_id		Version Id: 1.0.0.0
	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

Name: encoding_standard_id		Version Id: 1.0.0.0	
<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

Name: encoding_type		Version Id: 1.0.0.0
<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>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</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

Name: enumeration_flag			Version Id: 1.0.0.0
<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

Name: enumeration_flag			Version Id: 1.0.0.0
<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

Name: error_constant			Version Id: 1.0.0.0
<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

Name: external_namespace_id			Version Id: 1.0.0.0
<i>Description:</i> The external_namespace_id attribute provides a namespace_id external to this context.			

Attributes in the
common namespace.

Name: external_namespace_id			Version Id: 1.0.0.0
<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

Name: external_property_map_id			Version Id: 1.0.0.0
<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

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

Name: facet1			Version Id: 1.0.0.0
<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

Name: facet1			Version Id: 1.0.0.0
<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	
	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, Af?, etc.	

Name: facet1		Version Id: 1.0.0.0
	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

Name: facet2		Version Id: 1.0.0.0
<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>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</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

Name: facet2		Version Id: 1.0.0.0
	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

Name: field_delimiter		Version Id: 1.0.0.0
<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>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Delimiter
<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)
	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

Name: field_format		Version Id: 1.0.0.0
<i>Description:</i> The field_format attribute gives the magnitude and precision of the data value. A subset of the standard POSIX string formats is allowed. See the PDS Standards Reference section "Field Formats" for details.		

Name: field_format			Version Id: 1.0.0.0
<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> %[+,-]?[0-9]+(\.(0-9]+))?[doxfeEs]	
<i>Permissible Value(s)</i>		<i>No Values</i>	

field_format in Field_Bit

Name: field_format			Version Id: 1.0.0.0
<i>Description:</i> The field_format attribute gives the magnitude and precision of the data value. A subset of the standard POSIX string formats is allowed. See the PDS Standards Reference section "Field Formats" for details.			
<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> %[+,-]?[0-9]+(\.(0-9]+))?[doxfeEs]	
<i>Permissible Value(s)</i>		<i>No Values</i>	

field_format in Field_Character

Name: field_format			Version Id: 1.0.0.0
<i>Description:</i> The field_format attribute gives the magnitude and precision of the data value. A subset of the standard POSIX string formats is allowed. See the PDS Standards Reference section "Field Formats" for details.			
<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> Format	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> %[+,-]?[0-9]+(\.(0-9]+))?[doxfeEs]	
<i>Permissible Value(s)</i>		<i>No Values</i>	

field_format in Field_Delimited

Name: field_format			Version Id: 1.0.0.0
<i>Description:</i> The field_format attribute gives the magnitude and precision of the data value. A subset of the standard POSIX string formats is allowed. See the PDS Standards Reference section "Field Formats" for details.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Field_Delimited	<i>Type:</i> ASCII_Short_String_Collapsed

Name: field_format			Version Id: 1.0.0.0
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</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> %[+,-]?[0-9]+(\.([0-9]+))?[doxfeEs]	
<i>Permissible Value(s)</i>	<i>No Values</i>		

field_length in Field_Binary

Name: field_length			Version Id: 1.0.0.0
<i>Description:</i> The field_length attribute provides the number of bytes in the field.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Field_Binary	<i>Type:</i> ASCII_NonNegative_Integer
<i>Minimum Value:</i> 1	<i>Maximum Value:</i> 18446744073709551615	<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> [0-9]+	
<i>Permissible Value(s)</i>	<i>No Values</i>		

field_length in Field_Character

Name: field_length			Version Id: 1.0.0.0
<i>Description:</i> The field_length attribute provides the number of bytes in the field.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Field_Character	<i>Type:</i> ASCII_NonNegative_Integer
<i>Minimum Value:</i> 1	<i>Maximum Value:</i> 18446744073709551615	<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> [0-9]+	
<i>Permissible Value(s)</i>	<i>No Values</i>		

field_location in Field_Binary

Name: field_location			Version Id: 1.0.0.0
<i>Description:</i> The field_location attribute provides the starting byte for a field within a record or group, counting from '1'.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Field_Binary	<i>Type:</i> ASCII_NonNegative_Integer
<i>Minimum Value:</i> 1	<i>Maximum Value:</i> 18446744073709551615	<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> [0-9]+	

Attributes in the
common namespace.

Name: field_location		Version Id: 1.0.0.0
Permissible Value(s)	No Values	

field_location in Field_Character

Name: field_location		Version Id: 1.0.0.0	
<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_NonNegative_Integer
Minimum Value: 1	Maximum Value: 18446744073709551615	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: [0-9]+	
Permissible Value(s)	No Values		

field_number in Field

Name: field_number		Version Id: 1.0.0.0	
<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_NonNegative_Integer
Minimum Value: 1	Maximum Value: 18446744073709551615	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: [0-9]+	
Permissible Value(s)	No Values		

fields in Group

Name: fields		Version Id: 1.0.0.0	
<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.			
Namespace Id: pds	Steward: pds	Class Name: Group	Type: ASCII_NonNegative_Integer
Minimum Value: 0	Maximum Value: 18446744073709551615	Minimum Characters: None	Maximum Characters: None
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: Count	Conceptual Domain: Integer
Status: Active	Nillable: false	Pattern: [0-9]+	
Permissible Value(s)	No Values		

fields in Record

Name: fields			Version Id: 1.0.0.0
<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_NonNegative_Integer
<i>Minimum Value:</i> 0	<i>Maximum Value:</i> 18446744073709551615	<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> [0-9]+	
<i>Permissible Value(s)</i>		<i>No Values</i>	

file_name in File

Name: file_name			Version Id: 1.0.0.0
<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

Name: file_size			Version Id: 1.0.0.0
<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
<i>Minimum Value:</i> 0	<i>Maximum Value:</i> 18446744073709551615	<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> [0-9]+	
<i>Permissible Value(s)</i>		<i>No Values</i>	

files in Document_Edition

Name: files			Version Id: 1.0.0.0
<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_NonNegative_Integer

Attributes in the
common namespace.

Name: files			Version Id: 1.0.0.0
<i>Minimum Value:</i> 1	<i>Maximum Value:</i> 18446744073709551615	<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> [0-9]+	
<i>Permissible Value(s)</i>		<i>No Values</i>	

files in Software_Binary

Name: files			Version Id: 1.0.0.0
<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_NonNegative_Integer
<i>Minimum Value:</i> 1	<i>Maximum Value:</i> 18446744073709551615	<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> [0-9]+	
<i>Permissible Value(s)</i>		<i>No Values</i>	

files in Software_Script

Name: files			Version Id: 1.0.0.0
<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_NonNegative_Integer
<i>Minimum Value:</i> 1	<i>Maximum Value:</i> 18446744073709551615	<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> [0-9]+	
<i>Permissible Value(s)</i>		<i>No Values</i>	

files in Software_Source

Name: files			Version Id: 1.0.0.0
<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_NonNegative_Integer
<i>Minimum Value:</i> 1	<i>Maximum Value:</i> 18446744073709551615	<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> [0-9]+	
<i>Permissible Value(s)</i>		<i>No Values</i>	

filter_number in Band_Bin *Deprecated*

Name: filter_number			Version Id: 1.0.0.0
<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_NonNegative_Integer
<i>Minimum Value:</i> 1	<i>Maximum Value:</i> 18446744073709551615	<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> [0-9]+	
<i>Permissible Value(s)</i>		<i>No Values</i>	

first_sampling_parameter_value in Uniformly_Sampled

Name: first_sampling_parameter_value			Version Id: 1.0.0.0
<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> -1.7976931348623157e30	<i>Maximum Value:</i> 8976931348623157e30	<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> [-+]?[0-9]+(\.[0-9]+)?([eE][-+]?[0-9]+)?	
<i>Permissible Value(s)</i>		<i>No Values</i>	

formation_rule in ASCII_DOI

Name: formation_rule			Version Id: 1.0.0.0
<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 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	

Attributes in the
common namespace.

Name: formation_rule		Version Id: 1.0.0.0
		and its use are specified by the International DOI Federation (see http://www.doi.org).

formation_rule in ASCII_Date *Deprecated*

Name: formation_rule		Version Id: 1.0.0.0	
<i>Description:</i> The formation_rule attribute provides a 'user friendly' instruction for forming values.			
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: None	Conceptual Domain: Short_String
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	Value	Value Meaning	
	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

Name: formation_rule		Version Id: 1.0.0.0	
<i>Description:</i> The formation_rule attribute provides a 'user friendly' instruction for forming values.			
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: None	Conceptual Domain: Short_String
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*

Name: formation_rule		Version Id: 1.0.0.0	
<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

Name: formation_rule			Version Id: 1.0.0.0
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</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 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

Name: formation_rule			Version Id: 1.0.0.0
<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	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</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-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

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

Name: formation_rule			Version Id: 1.0.0.0
<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>	
	YYYY-DOYTHH:MM:SS.SSSZ	The date must be expressed in the YYYY-DOYTHH:MM:SS.SSSZ 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

Name: formation_rule			Version Id: 1.0.0.0
<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 <i>*Deprecated*</i>	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</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.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

Name: formation_rule			Version Id: 1.0.0.0
<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

Name: formation_rule			Version Id: 1.0.0.0
<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_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-	

Attributes in the common namespace.

Name: formation_rule		Version Id: 1.0.0.0
		digit integer second (00-60), SSS is milliseconds (000-999), and "Z" denotes UTC.

formation_rule in ASCII_Date_YMD

Name: formation_rule		Version Id: 1.0.0.0	
<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

Name: formation_rule		Version Id: 1.0.0.0	
<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
<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

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

Name: formation_rule			Version Id: 1.0.0.0
<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

Name: formation_rule			Version Id: 1.0.0.0
<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 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

Name: formation_rule			Version Id: 1.0.0.0
<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

Name: formation_rule			Version Id: 1.0.0.0
<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

Name: formation_rule			Version Id: 1.0.0.0
<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 usa:nasa:pds:xxxx. Rules for forming versioned identifiers are given in the PDS4 Standards Reference section "Identifiers".	

formation_rule in ASCII_LIDVID_LID

Name: formation_rule			Version Id: 1.0.0.0
<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:pds:xxxx or a versioned identifier (LIDVID) of the form usa:nasa:pds:xxxx::M.n. Rules for forming	

Name: formation_rule		Version Id: 1.0.0.0
		logical and versioned identifiers are given in the PDS4 Standards Reference section "Identifiers".

formation_rule in ASCII_MD5_Checksum

Name: formation_rule		Version Id: 1.0.0.0	
<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_Myriad	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</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

Name: formation_rule		Version Id: 1.0.0.0	
<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	
<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

Name: formation_rule		Version Id: 1.0.0.0
<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>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1
		<i>Maximum Characters:</i> 255

Attributes in the
common namespace.

Name: formation_rule			Version Id: 1.0.0.0
<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

Name: formation_rule			Version Id: 1.0.0.0
<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

Name: formation_rule			Version Id: 1.0.0.0
<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
<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>		

formation_rule in DD_Value_Domain_Full

Name: formation_rule			Version Id: 1.0.0.0
<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

Name: formation_rule			Version Id: 1.0.0.0
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

full_name in Ingest_LDD

Name: full_name			Version Id: 1.0.0.0
<i>Description:</i> The full_name attribute provides the complete name for a person and includes titles and suffixes.			
Namespace Id: pds	Steward: ops	Class Name: Ingest_LDD	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		

full_name in Subscriber_PDS3

Name: full_name			Version Id: 1.0.0.0
<i>Description:</i> The full_name attribute provides the complete name for a person and includes titles and suffixes.			
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: Name	Conceptual Domain: Short_String
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

full_name in Update_Entry

Name: full_name			Version Id: 1.0.0.0
<i>Description:</i> The full_name attribute provides the complete name for a person and includes titles and suffixes.			
Namespace Id: pds	Steward: pds	Class Name: Update_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: Name	Conceptual Domain: Short_String
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

grating_position in Band_Bin *Deprecated*

Name: grating_position			Version Id: 1.0.0.0
<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_NonNegative_Integer
<i>Minimum Value:</i> 0	<i>Maximum Value:</i> 18446744073709551615	<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> [0-9]+	
<i>Permissible Value(s)</i>	<i>No Values</i>		

group_length in Group_Field_Binary

Name: group_length			Version Id: 1.0.0.0
<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_NonNegative_Integer
<i>Minimum Value:</i> 1	<i>Maximum Value:</i> 18446744073709551615	<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> [0-9]+	
<i>Permissible Value(s)</i>	<i>No Values</i>		

group_length in Group_Field_Character

Name: group_length			Version Id: 1.0.0.0
<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_NonNegative_Integer
<i>Minimum Value:</i> 1	<i>Maximum Value:</i> 18446744073709551615	<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> [0-9]+	
<i>Permissible Value(s)</i>	<i>No Values</i>		

group_location in Group_Field_Binary

Name: group_location			Version Id: 1.0.0.0
<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.			
Namespace Id: pds	Steward: pds	Class Name: Group_Field_Binary	Type: ASCII_NonNegative_Integer
Minimum Value: 1	Maximum Value: 18446744073709551615	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: [0-9]+	
Permissible Value(s)	No Values		

group_location in Group_Field_Character

Name: group_location			Version Id: 1.0.0.0
<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.			
Namespace Id: pds	Steward: pds	Class Name: Group_Field_Character	Type: ASCII_NonNegative_Integer
Minimum Value: 1	Maximum Value: 18446744073709551615	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: [0-9]+	
Permissible Value(s)	No Values		

group_number in Group

Name: group_number			Version Id: 1.0.0.0
<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.			
Namespace Id: pds	Steward: pds	Class Name: Group	Type: ASCII_NonNegative_Integer
Minimum Value: 0	Maximum Value: 18446744073709551615	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: [0-9]+	
Permissible Value(s)	No Values		

groups in Group

Name: groups			Version Id: 1.0.0.0
<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_NonNegative_Integer
<i>Minimum Value:</i> 0	<i>Maximum Value:</i> 18446744073709551615	<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> [0-9]+	
<i>Permissible Value(s)</i>	<i>No Values</i>		

groups in Record

Name: groups			Version Id: 1.0.0.0
<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_NonNegative_Integer
<i>Minimum Value:</i> 0	<i>Maximum Value:</i> 18446744073709551615	<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> [0-9]+	
<i>Permissible Value(s)</i>	<i>No Values</i>		

high_instrument_saturation in Special_Constants

Name: high_instrument_saturation			Version Id: 1.0.0.0
<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

Name: high_representation_saturation		Version Id: 1.0.0.0
<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>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</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

Name: identifier		Version Id: 1.0.0.0
<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>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</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_Maps

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

identifier_reference in DD_Association

Name: identifier_reference			Version Id: 1.0.0.0
<i>Description:</i> The identifier_reference attribute provides the value of an identifier.			
<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> Text
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>			

information_model_version in Identification_Area

Name: information_model_version			Version Id: 1.0.0.0
<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.			
<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>
		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.
		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.

Name: information_model_version			Version Id: 1.0.0.0
	1.7.0.0	Information Model version 1.7.0.0 was released on September 30, 2016.	
	1.8.0.0	Information Model version 1.8.0.0 was released on March 31, 2017.	
	1.9.0.0	Information Model version 1.9.0.0 was released on September 29, 2017.	

install_note in Software_Script

Name: install_note			Version Id: 1.0.0.0
<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

Name: instance_id			Version Id: 1.0.0.0
<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

Name: instance_id			Version Id: 1.0.0.0
<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

Name: instance_id			Version Id: 1.0.0.0
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

institution_name in Node

Name: institution_name			Version Id: 1.0.0.0
<i>Description:</i> The institution_name attribute provides the name of the associated institution.			
Namespace Id: pds	Steward: ops	Class Name: Node	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: [a-zA-Z]{1}([-_.a-zA-Z0-9]*)	
Permissible Value(s)	No Values		

institution_name in PDS_Affiliate

Name: institution_name			Version Id: 1.0.0.0
<i>Description:</i> The institution_name attribute provides the name of the associated institution.			
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: [a-zA-Z]{1}([-_.a-zA-Z0-9]*)	
Permissible Value(s)	No Values		

instrument_desc in Instrument_PDS3

Name: instrument_desc			Version Id: 1.0.0.0
<i>Description:</i> The instrument_desc attribute describes a given instrument.			
Namespace Id: pds	Steward: ops	Class Name: Instrument_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		

instrument_host_desc in Instrument_Host_PDS3

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

instrument_host_id in Instrument_Host_PDS3

Name: instrument_host_id			Version Id: 1.0.0.0
<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).			
Namespace Id: pds	Steward: ops	Class Name: Instrument_Host_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: ID	Conceptual Domain: Short_String
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

instrument_host_name in Instrument_Host_PDS3

Name: instrument_host_name			Version Id: 1.0.0.0
<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.			
Namespace Id: pds	Steward: ops	Class Name: Instrument_Host_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		

instrument_host_type in Instrument_Host_PDS3

Name: instrument_host_type		Version Id: 1.0.0.0
<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.		
Namespace Id: pds	Steward: ops	Class Name: Instrument_Host_PDS3
Minimum Value: None	Maximum Value: None	Minimum Characters: 1
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: Type
Status: Active	Nillable: false	Pattern: None
Permissible Value(s)	No Values	

instrument_host_version_id in Instrument_Host *Deprecated*

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

instrument_id in Instrument_PDS3

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

instrument_name in Instrument_PDS3

Name: instrument_name			Version Id: 1.0.0.0
<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

Name: instrument_serial_number			Version Id: 1.0.0.0
<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

Name: instrument_type			Version Id: 1.0.0.0
<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

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

interface_type in Service

Name: interface_type		Version Id: 1.0.0.0
<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>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</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>
	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

Name: invalid_constant		Version Id: 1.0.0.0
<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

Name: invalid_constant			Version Id: 1.0.0.0
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</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>	

kernel_type in SPICE_Kernel

Name: kernel_type			Version Id: 1.0.0.0
<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 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

Name: keyword			Version Id: 1.0.0.0
<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

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

language in Document_Edition

Name: language			Version Id: 1.0.0.0
<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)	Value	Value Meaning	
	English	The text in the Document Edition is in English.	

language in Terminological_Entry

Name: language			Version Id: 1.0.0.0
<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

Name: last_modification_date_time			Version Id: 1.0.0.0
<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

Attributes in the
common namespace.

Name: last_modification_date_time			Version Id: 1.0.0.0
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

last_sampling_parameter_value in Uniformly_Sampled

Name: last_sampling_parameter_value			Version Id: 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.			
Namespace Id: pds	Steward: pds	Class Name: Uniformly_Sampled	Type: ASCII_Real
Minimum Value: -1.7976931348623157e308	Maximum Value: 931348623157e308	Minimum Characters: None	Maximum Characters: None
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: Value	Conceptual Domain: Real
Status: Active	Nillable: false	Pattern: [-]?[0-9]+(\.? [0-9]+)?([eE][-+]? [0-9]+)?	
Permissible Value(s)	No Values		

ldd_version_id in Ingest_LDD

Name: ldd_version_id			Version Id: 1.0.0.0
<i>Description:</i> The ldd_version_id attribute provides the version of the Local Data Dictionary.			
Namespace Id: pds	Steward: ops	Class Name: Ingest_LDD	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		

ldd_version_id in XML_Schema

Name: ldd_version_id			Version Id: 1.0.0.0
<i>Description:</i> The ldd_version_id attribute provides the version of the Local Data Dictionary.			
Namespace Id: pds	Steward: pds	Class Name: XML_Schema	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		

lid_reference in Bundle_Member_Entry

Name: lid_reference			Version Id: 1.0.0.0
<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> 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

Name: lid_reference			Version Id: 1.0.0.0
<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

Name: lidvid_reference			Version Id: 1.0.0.0
<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

Name: lidvid_reference			Version Id: 1.0.0.0
<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

Name: lidvid_reference			Version Id: 1.0.0.0
<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>	

line_display_direction in Display_2D_Image

Deprecated

Name: line_display_direction			Version Id: 1.0.0.0
<p><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.</p>			
<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 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

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

Name: local_identifier			Version Id: 1.0.0.0
<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> Byte_Stream	<i>Type:</i> ASCII_Local_Identifier
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</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 ***Deprecated***

Name: local_identifier *Deprecated*			Version Id: 1.0.0.0
<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_Local_Identifier
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</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> Deprecated	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

local_identifier in DD_Attribute

Name: local_identifier			Version Id: 1.0.0.0
<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_Local_Identifier
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</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

Name: local_identifier			Version Id: 1.0.0.0
<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_Local_Identifier
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</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_Class

Name: local_identifier			Version Id: 1.0.0.0
<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_Local_Identifier
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</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_Class_Full

Name: local_identifier			Version Id: 1.0.0.0
<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_Local_Identifier
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</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_Rule

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

Name: local_identifier			Version Id: 1.0.0.0
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> DD_Rule	<i>Type:</i> ASCII_Local_Identifier
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</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 Field_Statistics

Name: local_identifier			Version Id: 1.0.0.0
<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_Local_Identifier
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</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

Name: local_identifier			Version Id: 1.0.0.0
<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_Local_Identifier
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</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*

Name: local_identifier			Version Id: 1.0.0.0
<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_Local_Identifier
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255

Name: local_identifier			Version Id: 1.0.0.0
<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

Name: local_identifier			Version Id: 1.0.0.0
<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> Object_Statistics	<i>Type:</i> ASCII_Local_Identifier
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</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 Quaternion

Name: local_identifier			Version Id: 1.0.0.0
<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> Quaternion	<i>Type:</i> ASCII_Local_Identifier
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</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 Subscriber_PDS3

Name: local_identifier			Version Id: 1.0.0.0
<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> Subscriber_PDS3	<i>Type:</i> ASCII_Local_Identifier
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</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	

Attributes in the common namespace.

Name: local_identifier		Version Id: 1.0.0.0
Permissible Value(s)	No Values	

local_identifier in Update *Deprecated*

Name: local_identifier		Version Id: 1.0.0.0	
<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 *Deprecated*	Type: ASCII_Local_Identifier
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 Vector

Name: local_identifier		Version Id: 1.0.0.0	
<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: Vector	Type: ASCII_Local_Identifier
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_reference in Local_Internal_Reference

Name: local_identifier_reference		Version Id: 1.0.0.0	
<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.			
Namespace Id: pds	Steward: pds	Class Name: Local_Internal_Reference	Type: ASCII_Local_Identifier_Reference
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_mean_solar_time in Time_Coordinates

Name: local_mean_solar_time			Version Id: 1.0.0.0
<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.			
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		

local_reference_type in Local_Internal_Reference

Name: local_reference_type			Version Id: 1.0.0.0
<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

Name: local_true_solar_time			Version Id: 1.0.0.0
<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

Name: logical_identifier		Version Id: 1.0.0.0
<i>Description:</i> A logical identifier identifies the set of all versions of an object. It is an object identifier without a version.		
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Identification_Area
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None
<i>Permissible Value(s)</i>	<i>No Values</i>	

low_instrument_saturation in Special_Constants

Name: low_instrument_saturation		Version Id: 1.0.0.0
<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.		
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Special_Constants
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None
<i>Permissible Value(s)</i>	<i>No Values</i>	

low_representation_saturation in Special_Constants

Name: low_representation_saturation		Version Id: 1.0.0.0
<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.		
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Special_Constants
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None

Attributes in the common namespace.

Name: low_representation_saturation			Version Id: 1.0.0.0
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

manifest_checksum in Information_Package_Component_Deep_Archive

Name: manifest_checksum			Version Id: 1.0.0.0
<i>Description:</i> The manifest checksum provides the checksum for the manifest file.			
Namespace Id: pds	Steward: ops	Class Name: Information_Package_Component_Deep_Archive	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_url in Information_Package_Component_Deep_Archive

Name: manifest_url			Version Id: 1.0.0.0
<i>Description:</i> The manifest url provides the URL to the manifest file.			
Namespace Id: pds	Steward: ops	Class Name: Information_Package_Component_Deep_Archive	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		

maximum in Field_Statistics

Name: maximum			Version Id: 1.0.0.0
<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).			
Namespace Id: pds	Steward: pds	Class Name: Field_Statistics	Type: ASCII_Real
Minimum Value: -1.7976931348623157e308	Maximum Value: 9.84375e308	Minimum Characters: None	Maximum Characters: None

Name: maximum			Version Id: 1.0.0.0
<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> [-]?[0-9]+(\.[0-9]+)?([eE][-+]?[0-9]+)?	
<i>Permissible Value(s)</i>			<i>No Values</i>

maximum in Object_Statistics

Name: maximum			Version Id: 1.0.0.0
<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).			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Object_Statistics	<i>Type:</i> ASCII_Real
<i>Minimum Value:</i> -1.7976931348623157e308	<i>Maximum Value:</i> 1.7976931348623157e308	<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> [-]?[0-9]+(\.[0-9]+)?([eE][-+]?[0-9]+)?	
<i>Permissible Value(s)</i>			<i>No Values</i>

maximum_characters in ASCII_AnyURI

Name: maximum_characters			Version Id: 1.0.0.0
<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

Name: maximum_characters			Version Id: 1.0.0.0
<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

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

maximum_characters in ASCII_Date *Deprecated*

Name: maximum_characters			Version Id: 1.0.0.0
<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
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</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
Status: Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

maximum_characters in ASCII_Date_DOY

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

maximum_characters in ASCII_Date_Time *Deprecated*

Name: maximum_characters			Version Id: 1.0.0.0
<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

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

maximum_characters in ASCII_Date_Time_DAY

Name: maximum_characters			Version Id: 1.0.0.0
<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_DAY	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</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*

Name: maximum_characters			Version Id: 1.0.0.0
<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 <i>*Deprecated*</i>	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</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

Name: maximum_characters			Version Id: 1.0.0.0
<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

Name: maximum_characters			Version Id: 1.0.0.0
<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

Name: maximum_characters			Version Id: 1.0.0.0
<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
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</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

Name: maximum_characters			Version Id: 1.0.0.0
<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

Name: maximum_characters			Version Id: 1.0.0.0
<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

Name: maximum_characters			Version Id: 1.0.0.0
<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

Name: maximum_characters			Version Id: 1.0.0.0
<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

Name: maximum_characters			Version Id: 1.0.0.0
<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

Name: maximum_characters			Version Id: 1.0.0.0
<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

Name: maximum_characters			Version Id: 1.0.0.0
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</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_LID may have no more than 255 characters	

maximum_characters in ASCII_LIDVID

Name: maximum_characters			Version Id: 1.0.0.0
<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

Name: maximum_characters			Version Id: 1.0.0.0
<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_Local_Identifier

Name: maximum_characters			Version Id: 1.0.0.0
<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_Local_Identifier	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</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>	
	255	Values of ASCII_Local_Identifier may have no more than 255 characters	

maximum_characters in ASCII_Local_Identifier_Reference

Name: maximum_characters			Version Id: 1.0.0.0
<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_Local_Identifier_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>Value</i>	<i>Value Meaning</i>	
	255	Values of ASCII_Local_Identifier_Reference may have no more than 255 characters	

maximum_characters in ASCII_MD5_Checksum

Name: maximum_characters			Version Id: 1.0.0.0
<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

Name: maximum_characters			Version Id: 1.0.0.0
<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

Name: maximum_characters			Version Id: 1.0.0.0
<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

Name: maximum_characters			Version Id: 1.0.0.0
<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

Name: maximum_characters		Version Id: 1.0.0.0
<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>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Count
<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

Name: maximum_characters		Version Id: 1.0.0.0
<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>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Count
<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

Name: maximum_characters		Version Id: 1.0.0.0
<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>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Count
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None

Name: maximum_characters	Version Id: 1.0.0.0
Permissible Value(s)	No Values

maximum_characters in ASCII_Short_String_Collapsed

Name: maximum_characters	Version Id: 1.0.0.0		
<i>Description:</i> The maximum_characters attribute provides the upper, inclusive bound on the number of characters.			
Namespace Id: pds	Steward: pds	Class Name: ASCII_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: Count	Conceptual Domain: Short_String
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	Value	Value Meaning	
	255	Values of ASCII_Short_String_Collapsed may have no more than 255 characters	

maximum_characters in ASCII_Short_String_Preserved

Name: maximum_characters	Version Id: 1.0.0.0		
<i>Description:</i> The maximum_characters attribute provides the upper, inclusive bound on the number of characters.			
Namespace Id: pds	Steward: pds	Class Name: ASCII_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: Count	Conceptual Domain: Short_String
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	Value	Value Meaning	
	255	Values of ASCII_Short_String_Preserved may have no more than 255 characters	

maximum_characters in ASCII_Text_Collapsed

Name: maximum_characters	Version Id: 1.0.0.0		
<i>Description:</i> The maximum_characters attribute provides the upper, inclusive bound on the number of characters.			
Namespace Id: pds	Steward: pds	Class Name: ASCII_Text_Collapsed	Type: ASCII_Short_String_Collapsed

Name: maximum_characters			Version Id: 1.0.0.0
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</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

Name: maximum_characters			Version Id: 1.0.0.0
<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

Name: maximum_characters			Version Id: 1.0.0.0
<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

Name: maximum_characters			Version Id: 1.0.0.0
<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

Name: maximum_characters			Version Id: 1.0.0.0
<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

Name: maximum_characters			Version Id: 1.0.0.0
<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

Name: maximum_characters			Version Id: 1.0.0.0
<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

Name: maximum_characters			Version Id: 1.0.0.0
<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

Name: maximum_characters			Version Id: 1.0.0.0
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</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

Name: maximum_characters			Version Id: 1.0.0.0
<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 Meaning</i>	
255		Values of UTF8_Short_String_Collapsed may have no more than 255 characters	

maximum_characters in UTF8_Short_String_Preserved

Name: maximum_characters			Version Id: 1.0.0.0
<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 Meaning</i>	
255		Values of UTF8_Short_String_Preserved may have no more than 255 characters	

maximum_characters in UTF8_Text_Preserved

Name: maximum_characters			Version Id: 1.0.0.0
<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

Name: maximum_field_length			Version Id: 1.0.0.0
<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_NonNegative_Integer
<i>Minimum Value:</i> 1	<i>Maximum Value:</i> 18446744073709551615	<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> [0-9]+	
<i>Permissible Value(s)</i>	<i>No Values</i>		

maximum_occurrences in DD_Association

Name: maximum_occurrences			Version Id: 1.0.0.0
<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*

Name: maximum_occurrences		Version Id: 1.0.0.0
<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 <i>*Deprecated*</i>
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</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

Name: maximum_record_length		Version Id: 1.0.0.0
<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>Minimum Value:</i> 1	<i>Maximum Value:</i> 18446744073709551615	<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> [0-9]+
<i>Permissible Value(s)</i>		<i>No Values</i>

maximum_scaled_value in Object_Statistics

Name: maximum_scaled_value		Version Id: 1.0.0.0
<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>Minimum Value:</i> -1.7976931348623157e308	<i>Maximum Value:</i> 931348623157e308	<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> [-]?[0-9]+(\.?([0-9]+)?([eE][-]?[0-9]+)?

Attributes in the
common namespace.

Name: maximum_scaled_value		Version Id: 1.0.0.0
Permissible Value(s)	No Values	

maximum_value in ASCII_Date_Time

Deprecated

Name: maximum_value		Version Id: 1.0.0.0	
<i>Description:</i> The maximum_value attribute provides the upper, inclusive bound on the value.			
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: Value	Conceptual Domain: Short_String
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

maximum_value in ASCII_Date_Time_DOY

Name: maximum_value		Version Id: 1.0.0.0	
<i>Description:</i> The maximum_value attribute provides the upper, inclusive bound on the value.			
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: Value	Conceptual Domain: Short_String
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

maximum_value in ASCII_Date_Time_UTC

Deprecated

Name: maximum_value		Version Id: 1.0.0.0	
<i>Description:</i> The maximum_value attribute provides the upper, inclusive bound on the value.			
Namespace Id: pds	Steward: pds	Class Name: ASCII_ Date_Time_UTC *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: Value	Conceptual Domain: Short_String
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

maximum_value in ASCII_Date_Time_YMD

Name: maximum_value			Version Id: 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

Name: maximum_value			Version Id: 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>Value Meaning</i>	
9223372036854775807		The maximum value must be less than or equal to the equivalent integer value for $2^{63}-1$	

maximum_value in ASCII_LID

Name: maximum_value			Version Id: 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>			

maximum_value in ASCII_NonNegative_Integer

Name: maximum_value			Version Id: 1.0.0.0
<i>Description:</i> The maximum_value attribute provides the upper, inclusive bound on the value.			

Name: maximum_value			Version Id: 1.0.0.0
<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> 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>	
	18446744073709551615	The maximum value must be less than or equal to the equivalent integer value for 2^64-1	

maximum_value in ASCII_Numeric_Base16

Name: maximum_value			Version Id: 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_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>		

maximum_value in ASCII_Numeric_Base2

Name: maximum_value			Version Id: 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_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>	<i>No Values</i>		

maximum_value in ASCII_Real

Name: maximum_value			Version Id: 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_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

Name: maximum_value			Version Id: 1.0.0.0
<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>Value</i>	<i>Value Meaning</i>	
			1.7976931348623157e308The maximum value must be less than or equal to the equivalent floating point value for $(1 + (1 - 2^{-52}) * 2^{1023})$

maximum_value in ASCII_Short_String_Collapsed

Name: maximum_value			Version Id: 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_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

Name: maximum_value			Version Id: 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_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

Name: maximum_value			Version Id: 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_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

Name: maximum_value			Version Id: 1.0.0.0
<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

Name: maximum_value			Version Id: 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_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>	<i>No Values</i>		

maximum_value in ASCII_VID

Name: maximum_value			Version Id: 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_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>	<i>No Values</i>		

maximum_value in Character_Data_Type

Name: maximum_value			Version Id: 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> 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>		

maximum_value in DD_Value_Domain

Name: maximum_value			Version Id: 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> 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>	

maximum_value in DD_Value_Domain_Full

Name: maximum_value			Version Id: 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> 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>	

maximum_value in UTF8_Short_String_Collapsed

Name: maximum_value			Version Id: 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> 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> 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 UTF8_Short_String_Preserved

Name: maximum_value			Version Id: 1.0.0.0
<i>Description:</i> The maximum_value attribute provides the upper, inclusive bound on the value.			

Name: maximum_value			Version Id: 1.0.0.0
<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>	<i>No Values</i>		

maximum_value in UTF8_Text_Preserved

Name: maximum_value			Version Id: 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> 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 Byte_Stream

Name: md5_checksum			Version Id: 1.0.0.0
<i>Description:</i> The md5_checksum attribute is the 32-character hexadecimal number computed using the MD5 algorithm for the contiguous bytes of single digital object (as stored) or for an entire file.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Byte_Stream	<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>		

md5_checksum in File

Name: md5_checksum			Version Id: 1.0.0.0
<i>Description:</i> The md5_checksum attribute is the 32-character hexadecimal number computed using the MD5 algorithm for the contiguous bytes of single digital object (as stored) or for an entire file.			
<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

Attributes in the common namespace.

Name: md5_checksum		Version Id: 1.0.0.0	
<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 *Deprecated*

Name: md5_checksum *Deprecated*	Version Id: 1.0.0.0		
Description: The md5_checksum attribute is the 32-character hexadecimal number computed using the MD5 algorithm for the contiguous bytes of single digital object (as stored) or for an entire file.			
Namespace Id: pds	Steward: pds	Class Name: Object_Statistics	Type: ASCII_MD5_Checksum
Minimum Value: None	Maximum Value: None	Minimum Characters: 32	Maximum Characters: 32
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: Checksum	Conceptual Domain: Short_String
Status: Deprecated	Nillable: false	Pattern: ([a-f0-9]{32})	
Permissible Value(s)	No Values		

mean in Field Statistics

Name: mean	Version Id: 1.0.0.0		
<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).			
Namespace Id: pds	Steward: pds	Class Name: Field_Statistics	Type: ASCII_Real
Minimum Value: -1.7976931348623157e3087976931348623157e30	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: [-+]?[0-9]+(\.[0-9]+)?([eE][-+]?[0-9]+)?	
Permissible Value(s)	No Values		

mean in Object Statistics

Name: mean	Version Id: 1.0.0.0		
<p><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).</p>			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Object_Statistics	<i>Type:</i> ASCII_Real
<i>Minimum Value:</i> -1.7976931348623157e308	<i>Maximum Value:</i> 7976931348623157e308	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None

Name: mean			Version Id: 1.0.0.0
<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> [-]?[0-9]+(\.?([0-9]+)?([eE][-+]?[0-9]+)?)	
<i>Permissible Value(s)</i>			<i>No Values</i>

median in Field_Statistics

Name: median			Version Id: 1.0.0.0
<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).			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Field_Statistics	<i>Type:</i> ASCII_Real
<i>Minimum Value:</i> -1.7976931348623157e30	<i>Maximum Value:</i> 8.7976931348623157e30	<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> [-]?[0-9]+(\.?([0-9]+)?([eE][-+]?[0-9]+)?)	
<i>Permissible Value(s)</i>			<i>No Values</i>

median in Object_Statistics

Name: median			Version Id: 1.0.0.0
<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).			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Object_Statistics	<i>Type:</i> ASCII_Real
<i>Minimum Value:</i> -1.7976931348623157e30	<i>Maximum Value:</i> 8.7976931348623157e30	<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> [-]?[0-9]+(\.?([0-9]+)?([eE][-+]?[0-9]+)?)	
<i>Permissible Value(s)</i>			<i>No Values</i>

medium_type in NSSDC

Name: medium_type			Version Id: 1.0.0.0
<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

Name: medium_type			Version Id: 1.0.0.0
<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>		

medium_type in Volume_PDS3

Name: medium_type			Version Id: 1.0.0.0
<i>Description:</i> The medium_type attribute identifies the physical storage medium for a data volume. <i>Examples:</i> 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>	<i>No Values</i>		

member_status in Bundle_Member_Entry

Name: member_status			Version Id: 1.0.0.0
<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
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	Primary	The collection is a primary member of the bundle	
	Secondary	The collection is a secondary member of the bundle	

minimum in Field_Statistics

Name: minimum			Version Id: 1.0.0.0
<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).			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Field_Statistics	<i>Type:</i> ASCII_Real
<i>Minimum Value:</i> -1.7976931348623157e308	<i>Maximum Value:</i> 1.7976931348623157e308	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None

Name: minimum			Version Id: 1.0.0.0
<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> [-]?[0-9]+(\.[0-9]+)?([eE][-+]?[0-9]+)?	
<i>Permissible Value(s)</i>			<i>No Values</i>

minimum in Object_Statistics

Name: minimum			Version Id: 1.0.0.0
<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).			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Object_Statistics	<i>Type:</i> ASCII_Real
<i>Minimum Value:</i> -1.7976931348623157e308	<i>Maximum Value:</i> 1.7976931348623157e308	<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> [-]?[0-9]+(\.[0-9]+)?([eE][-+]?[0-9]+)?	
<i>Permissible Value(s)</i>			<i>No Values</i>

minimum_characters in ASCII_AnyURI

Name: minimum_characters			Version Id: 1.0.0.0
<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_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>

minimum_characters in ASCII_DOI

Name: minimum_characters			Version Id: 1.0.0.0
<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_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

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

minimum_characters in ASCII_Date *Deprecated*

Name: minimum_characters			Version Id: 1.0.0.0
<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 *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_DOY

Name: minimum_characters			Version Id: 1.0.0.0
<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_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 *Deprecated*

Name: minimum_characters			Version Id: 1.0.0.0
<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

Name: minimum_characters			Version Id: 1.0.0.0
Status: 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

Name: minimum_characters			Version Id: 1.0.0.0
<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*

Name: minimum_characters			Version Id: 1.0.0.0
<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 <i>*Deprecated*</i>	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</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_YMD

Name: minimum_characters			Version Id: 1.0.0.0
<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

Name: minimum_characters			Version Id: 1.0.0.0
<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

Name: minimum_characters			Version Id: 1.0.0.0
<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

Name: minimum_characters			Version Id: 1.0.0.0
<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	
<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

Name: minimum_characters			Version Id: 1.0.0.0
<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

Name: minimum_characters			Version Id: 1.0.0.0
<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

Name: minimum_characters			Version Id: 1.0.0.0
<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

Name: minimum_characters			Version Id: 1.0.0.0
<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
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</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

Name: minimum_characters			Version Id: 1.0.0.0
<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

Name: minimum_characters			Version Id: 1.0.0.0
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</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

Name: minimum_characters			Version Id: 1.0.0.0
<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

Name: minimum_characters			Version Id: 1.0.0.0
<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
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</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_Local_Identifier

Name: minimum_characters			Version Id: 1.0.0.0
<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_Local_Identifier	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</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 Meaning</i>	
	1	Values of ASCII_Local_Identifier must have at least 1 character	

minimum_characters in ASCII_Local_Identifier_Reference

Name: minimum_characters			Version Id: 1.0.0.0
<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_Local_Identifier_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>Value Meaning</i>	
	1	Values of ASCII_Local_Identifier_Reference must have at least 1 character	

minimum_characters in ASCII_MD5_Checksum

Name: minimum_characters			Version Id: 1.0.0.0
<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

Name: minimum_characters			Version Id: 1.0.0.0
<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

Name: minimum_characters			Version Id: 1.0.0.0
<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

Name: minimum_characters			Version Id: 1.0.0.0
<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

Name: minimum_characters		Version Id: 1.0.0.0	
<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

Name: minimum_characters		Version Id: 1.0.0.0	
<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
<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

Name: minimum_characters		Version Id: 1.0.0.0	
<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

Name: minimum_characters	Version Id: 1.0.0.0	
Status: Active	Nillable: false	Pattern: None
Permissible Value(s)	No Values	

minimum_characters in ASCII_Short_String_Collapsed

Name: minimum_characters	Version Id: 1.0.0.0	
<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_Short_String_Collapsed
Minimum Value: None	Maximum Value: None	Minimum Characters: 1
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: Count
Status: Active	Nillable: false	Pattern: None
Permissible Value(s)	Value	Value Meaning
	1	Values of ASCII_Short_String_Collapsed must have at least 1 character

minimum_characters in ASCII_Short_String_Preserved

Name: minimum_characters	Version Id: 1.0.0.0	
<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_Short_String_Preserved
Minimum Value: None	Maximum Value: None	Minimum Characters: 1
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: Count
Status: Active	Nillable: false	Pattern: None
Permissible Value(s)	Value	Value Meaning
	1	Values of ASCII_Short_String_Preserved must have at least 1 character

minimum_characters in ASCII_String

Name: minimum_characters	Version Id: 1.0.0.0	
<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_String

Name: minimum_characters			Version Id: 1.0.0.0
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</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

Name: minimum_characters			Version Id: 1.0.0.0
<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

Name: minimum_characters			Version Id: 1.0.0.0
<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

Name: minimum_characters			Version Id: 1.0.0.0
<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

Name: minimum_characters			Version Id: 1.0.0.0
<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

Name: minimum_characters			Version Id: 1.0.0.0
<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

Name: minimum_characters		Version Id: 1.0.0.0	
<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

Name: minimum_characters		Version Id: 1.0.0.0	
<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

Name: minimum_characters		Version Id: 1.0.0.0	
<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

Name: minimum_characters		Version Id: 1.0.0.0	
<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

Name: minimum_characters		Version Id: 1.0.0.0	
<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
<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_String must have at least 1 character	

minimum_characters in UTF8_Text_Preserved

Name: minimum_characters		Version Id: 1.0.0.0	
<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_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

Name: minimum_characters			Version Id: 1.0.0.0
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

Name: minimum_occurrences			Version Id: 1.0.0.0
<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*

Name: minimum_occurrences			Version Id: 1.0.0.0
<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
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		

minimum_scaled_value in Object_Statistics

Name: minimum_scaled_value			Version Id: 1.0.0.0
<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).			
Namespace Id: pds	Steward: pds	Class Name: Object_Statistics	Type: ASCII_Real
Minimum Value: -1.7976931348623157e308	Maximum Value: 1.7976931348623157e308	Minimum Characters: None	Maximum Characters: None

Name: minimum_scaled_value			Version Id: 1.0.0.0
<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> [-+]?[0-9]+(\.[0-9]+)?([eE][-+]?[0-9]+)?	
<i>Permissible Value(s)</i>			<i>No Values</i>

minimum_value in ASCII_Date_Time

Deprecated

Name: minimum_value			Version Id: 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_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>

minimum_value in ASCII_Date_Time_DOY

Name: minimum_value			Version Id: 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_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>

minimum_value in ASCII_Date_Time_UTC

Deprecated

Name: minimum_value			Version Id: 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_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

Name: minimum_value			Version Id: 1.0.0.0
<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_Date_Time_YMD

Name: minimum_value			Version Id: 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_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>		

minimum_value in ASCII_Integer

Name: minimum_value			Version Id: 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_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>Value</i>	<i>Value Meaning</i>	
	-9223372036854775808	The minimum value must be greater than or equal to the equivalent integer value of -2^63	

minimum_value in ASCII_LID

Name: minimum_value			Version Id: 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

Name: minimum_value		Version Id: 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>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Value
<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	The minimum value must be greater than or equal to zero.

minimum_value in ASCII_Numeric_Base16

Name: minimum_value		Version Id: 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>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Value
<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

Name: minimum_value		Version Id: 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>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Value
<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

Name: minimum_value	Version Id: 1.0.0.0
<i>Description:</i> The minimum_value attribute provides the lower inclusive bound on the value.	

Name: minimum_value			Version Id: 1.0.0.0
<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>Value</i>	<i>Value Meaning</i>	
	-1.7976931348623157e308	The minimum value must be less than or equal to the equivalent floating point value for -(1 + (1 - 2**-52)) 2**1023	

minimum_value in ASCII_Short_String_Collapsed

Name: minimum_value			Version Id: 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_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

Name: minimum_value			Version Id: 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_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>		

minimum_value in ASCII_Text_Preserved

Name: minimum_value			Version Id: 1.0.0.0
<i>Description:</i> The minimum_value attribute provides the lower inclusive bound on the value.			

Name: minimum_value			Version Id: 1.0.0.0
<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>		

minimum_value in ASCII_Time

Name: minimum_value			Version Id: 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_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>	<i>No Values</i>		

minimum_value in ASCII_VID

Name: minimum_value			Version Id: 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_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>	<i>No Values</i>		

minimum_value in Character_Data_Type

Name: minimum_value			Version Id: 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

Name: minimum_value			Version Id: 1.0.0.0
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

minimum_value in DD_Value_Domain

Name: minimum_value			Version Id: 1.0.0.0
<i>Description:</i> The minimum_value attribute provides the lower 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
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

minimum_value in DD_Value_Domain_Full

Name: minimum_value			Version Id: 1.0.0.0
<i>Description:</i> The minimum_value attribute provides the lower 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		

minimum_value in UTF8_Short_String_Collapsed

Name: minimum_value			Version Id: 1.0.0.0
<i>Description:</i> The minimum_value attribute provides the lower 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		

minimum_value in UTF8_Short_String_Preserved

Name: minimum_value			Version Id: 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_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>		

minimum_value in UTF8_Text_Preserved

Name: minimum_value			Version Id: 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_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>		

missing_constant in Special_Constants

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

mission_desc in Mission_PDS3

Name: mission_desc			Version Id: 1.0.0.0
<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.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> Mission_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>		

mission_name in Mission_PDS3

Name: mission_name			Version Id: 1.0.0.0
<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.			
<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> 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>		

mission_objectives_summary in Mission_PDS3

Name: mission_objectives_summary			Version Id: 1.0.0.0
<i>Description:</i> The mission_objectives_summary attribute describes the major scientific objectives of a planetary mission or project.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> Mission_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> Summary	<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>		

mission_start_date in Mission_PDS3

Name: mission_start_date			Version Id: 1.0.0.0
<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>	<i>No Values</i>		

mission_stop_date in Mission_PDS3

Name: mission_stop_date			Version Id: 1.0.0.0
<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>	<i>No Values</i>		

model_id in Instrument

Name: model_id			Version Id: 1.0.0.0
<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>	<i>No Values</i>		

model_object_id in Property_Map

Name: model_object_id			Version Id: 1.0.0.0
<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.			

Name: model_object_id			Version Id: 1.0.0.0
Namespace Id: pds	Steward: ops	Class Name: Property_Map	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		

model_object_type in Property_Map

Name: model_object_type			Version Id: 1.0.0.0
<i>Description:</i> The model_object_type attribute provides a classification for a modeled object.			
Namespace Id: pds	Steward: ops	Class Name: Property_Map	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		

modification_date in Modification_Detail

Name: modification_date			Version Id: 1.0.0.0
<i>Description:</i> The modification_date attribute provides date the modifications were completed			
Namespace Id: pds	Steward: pds	Class Name: Modification_Detail	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		

naif_host_id in Instrument_Host

Name: naif_host_id			Version Id: 1.0.0.0
<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.			
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

Name: naif_host_id			Version Id: 1.0.0.0
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

naif_instrument_id in Instrument

Name: naif_instrument_id			Version Id: 1.0.0.0
<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.			
Namespace Id: pds	Steward: pds	Class Name: Instrument	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		

name in Agency

Name: name			Version Id: 1.0.0.0
<i>Description:</i> The name attribute provides a word or combination of words by which the Agency is known.			
Namespace Id: pds	Steward: pds	Class Name: Agency	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)	Value	Value Meaning	
	European Space Agency	The Agency has name European Space Agency	
	Japan Aerospace Exploration Agency	The Agency has name Japan Aerospace Exploration Agency	
	National Aeronautics and Space Administration	The Agency has name National Aeronautics and Space Administration	
	Roscosmos State Corporation for Space Activities	The Agency has name Roscosmos State Corporation for Space Activities	

name in Airborne

Name: name			Version Id: 1.0.0.0
<i>Description:</i> The name attribute provides a word or combination of words by which the object is known.			

Name: name			Version Id: 1.0.0.0
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Airborne	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</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 Byte_Stream

Name: name			Version Id: 1.0.0.0
<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> Byte_Stream	<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_Association_External *Deprecated*

Name: name			Version Id: 1.0.0.0
<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_Association_External *Deprecated*	<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_Attribute

Name: name			Version Id: 1.0.0.0
<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	<i>Type:</i> UTF8_Short_String_Collapsed

Name: name			Version Id: 1.0.0.0
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</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_Full

Name: name			Version Id: 1.0.0.0
<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_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
<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

Name: name			Version Id: 1.0.0.0
<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

Name: name			Version Id: 1.0.0.0
<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

Attributes in the common namespace.

Name: name			Version Id: 1.0.0.0
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

name in DD_Class_Full

Name: name			Version Id: 1.0.0.0
<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_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: Name	Conceptual Domain: Short_String
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

name in DD_Class_Reference

Name: name			Version Id: 1.0.0.0
<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

Name: name			Version Id: 1.0.0.0
<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

Name: name		Version Id: 1.0.0.0	
<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> Facility	<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

Name: name		Version Id: 1.0.0.0	
<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

Name: name		Version Id: 1.0.0.0	
<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

Name: name		Version Id: 1.0.0.0
<i>Description:</i> The name attribute provides a word or combination of words by which the object is known.		

Name: name			Version Id: 1.0.0.0
<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

Name: name			Version Id: 1.0.0.0
<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_Character	<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_Delimited

Name: name			Version Id: 1.0.0.0
<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_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> 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 Group

Name: name			Version Id: 1.0.0.0
<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> 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

Attributes in the
common namespace.

Name: name			Version Id: 1.0.0.0
<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 Ingest_LDD

Name: name			Version Id: 1.0.0.0
<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> Ingest_LDD	<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 Instrument

Name: name			Version Id: 1.0.0.0
<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> Instrument	<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 Instrument_Host

Name: name			Version Id: 1.0.0.0
<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> Instrument_Host	<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 Investigation

Name: name		Version Id: 1.0.0.0	
<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

Name: name		Version Id: 1.0.0.0	
<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_Area	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		
Extended Value(s) for: pds:Product_Observational/ pds:Observation_Area/ pds:Investigation_Area	Value	Value Meaning	
	\$name	The value for name is to be provided by software during template processing.	

name in Node

Name: name		Version Id: 1.0.0.0	
<i>Description:</i> The name attribute provides a word or combination of words by which the Node is known.			
Namespace Id: pds	Steward: ops	Class Name: Node	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	

Name: name		Version Id: 1.0.0.0
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>
	Cartography and Imaging Sciences Discipline	The Node has name Cartography and Imaging Sciences Discipline
	Engineering	The Node has name Engineering
	Geosciences	The Node has name Geosciences
	Imaging - *Deprecated*	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 - *Deprecated*	The Node has name Planetary Rings
	Planetary Science Archive	The Node has name Planetary Science Archive
	Radio Science	The Node has name Radio Science
	Ring-Moon Systems	The Node has name Ring-Moon Systems
	Small Bodies	The Node has name Small Bodies

name in Observing_System

Name: name		Version Id: 1.0.0.0
<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>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Name
<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

Name: name			Version Id: 1.0.0.0
<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)</i> <i>for:</i> pds:Product_Observational/ pds:Observation_Area/pds:Observing_System/pds:Observing_System_Component	<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

Name: name			Version Id: 1.0.0.0
<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

Name: name			Version Id: 1.0.0.0
<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

Name: name			Version Id: 1.0.0.0
<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

Name: name			Version Id: 1.0.0.0
<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

Name: name			Version Id: 1.0.0.0
<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_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

Name: name			Version Id: 1.0.0.0
<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	

Attributes in the common namespace.

Name: name		Version Id: 1.0.0.0
Permissible Value(s)	No Values	

name in Service

Name: name		Version Id: 1.0.0.0	
<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: 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)	No Values		

name in Software

Name: name		Version Id: 1.0.0.0	
<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: Software	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 Target

Name: name		Version Id: 1.0.0.0	
<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: Target	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 Target_Identification

Name: name		Version Id: 1.0.0.0	
<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>	<i>No Values</i>		
<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

Name: name		Version Id: 1.0.0.0	
<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

Name: name		Version Id: 1.0.0.0	
<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	

Attributes in the
common namespace.

Name: name		Version Id: 1.0.0.0
Permissible Value(s)	No Values	

name in Vector_Component

Name: name		Version Id: 1.0.0.0	
<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: Vector_Component	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		

namespace_id in DD_Association_External *Deprecated*

Name: namespace_id		Version Id: 1.0.0.0	
<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.			
Namespace Id: pds	Steward: ops	Class Name: DD_Association_External *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: ID	Conceptual Domain: Short_String
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

namespace_id in DD_Attribute_Full

Name: namespace_id		Version Id: 1.0.0.0	
<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.			
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: ID	Conceptual Domain: Short_String
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

namespace_id in DD_Attribute_Reference

Name: namespace_id			Version Id: 1.0.0.0
<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.			
Namespace Id: pds	Steward: ops	Class Name: DD_Attribute_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		

namespace_id in DD_Class_Full

Name: namespace_id			Version Id: 1.0.0.0
<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.			
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: ID	Conceptual Domain: Short_String
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

namespace_id in DD_Class_Reference

Name: namespace_id			Version Id: 1.0.0.0
<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.			
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		

namespace_id in Ingest_LDD

Name: namespace_id			Version Id: 1.0.0.0
<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.			

Name: namespace_id			Version Id: 1.0.0.0
<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

Name: namespace_id			Version Id: 1.0.0.0
<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> 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

Name: nil_reason			Version Id: 1.0.0.0
<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

Name: nillable_flag			Version Id: 1.0.0.0
<i>Description:</i> The nillable_flag attribute indicates whether an attribute is allowed to take on nil as a value.			
Namespace Id: pds	Steward: ops	Class Name: DD_Attribute	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		

nillable_flag in DD_Attribute_Full

Name: nillable_flag			Version Id: 1.0.0.0
<i>Description:</i> The nillable_flag attribute indicates whether an attribute is allowed to take on nil as a value.			
Namespace Id: pds	Steward: ops	Class Name: DD_Attribute_Full	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		

not_applicable_constant in Special_Constants

Name: not_applicable_constant			Version Id: 1.0.0.0
<i>Description:</i> The not_applicable_constant attribute provides a value that indicates the parameter is not applicable.			
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: Constant	Conceptual Domain: Short_String
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

nssdc_collection_id in NSSDC

Name: nssdc_collection_id			Version Id: 1.0.0.0
<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

Name: object_length			Version Id: 1.0.0.0
<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_NonNegative_Integer
<i>Minimum Value:</i> 1	<i>Maximum Value:</i> 18446744073709551615	<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> [0-9]+	
<i>Permissible Value(s)</i>		<i>No Values</i>	

object_length in Header

Name: object_length			Version Id: 1.0.0.0
<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_NonNegative_Integer
<i>Minimum Value:</i> 1	<i>Maximum Value:</i> 18446744073709551615	<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> [0-9]+	
<i>Permissible Value(s)</i>		<i>No Values</i>	

object_length in Parsable_Byte_Stream

Name: object_length			Version Id: 1.0.0.0
<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_NonNegative_Integer

Name: object_length			Version Id: 1.0.0.0
<i>Minimum Value:</i> 1	<i>Maximum Value:</i> 18446744073709551615	<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> [0-9]+	
<i>Permissible Value(s)</i>	<i>No Values</i>		

offset in Array

Name: offset			Version Id: 1.0.0.0
<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_NonNegative_Integer
<i>Minimum Value:</i> 0	<i>Maximum Value:</i> 18446744073709551615	<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> [0-9]+	
<i>Permissible Value(s)</i>	<i>No Values</i>		

offset in Encoded_Byte_Stream

Name: offset			Version Id: 1.0.0.0
<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_NonNegative_Integer
<i>Minimum Value:</i> 0	<i>Maximum Value:</i> 18446744073709551615	<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> [0-9]+	
<i>Permissible Value(s)</i>	<i>No Values</i>		

offset in Parsable_Byte_Stream

Name: offset			Version Id: 1.0.0.0
<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_NonNegative_Integer
<i>Minimum Value:</i> 0	<i>Maximum Value:</i> 18446744073709551615	<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

Attributes in the
common namespace.

Name: offset			Version Id: 1.0.0.0
<i>Status: Active</i>	<i>Nillable: false</i>	<i>Pattern: [0-9]+</i>	
<i>Permissible Value(s)</i>	<i>No Values</i>		

offset in Table_Base

Name: offset			Version Id: 1.0.0.0
<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: pds</i>	<i>Steward: pds</i>	<i>Class Name: Table_Base</i>	<i>Type: ASCII_NonNegative_Integer</i>
<i>Minimum Value: 0</i>	<i>Maximum Value: 18446744073709551615</i>	<i>Minimum Characters: None</i>	<i>Maximum Characters: None</i>
<i>Unit of Measure Type: Units_of_Storage</i>	<i>Default Unit Id: byte</i>	<i>Attribute Concept: Offset</i>	<i>Conceptual Domain: Integer</i>
<i>Status: Active</i>	<i>Nillable: false</i>	<i>Pattern: [0-9]+</i>	
<i>Permissible Value(s)</i>	<i>No Values</i>		

orbit_direction in Target_PDS3

Name: orbit_direction			Version Id: 1.0.0.0
<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.			
<i>Namespace Id: pds</i>	<i>Steward: ops</i>	<i>Class Name: Target_PDS3</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: Direction</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>		

original_band in Band_Bin *Deprecated*

Name: original_band			Version Id: 1.0.0.0
<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.			
<i>Namespace Id: pds</i>	<i>Steward: img</i>	<i>Class Name: Band_Bin *Deprecated*</i>	<i>Type: ASCII_NonNegative_Integer</i>
<i>Minimum Value: 1</i>	<i>Maximum Value: 512</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: None</i>	<i>Conceptual Domain: Integer</i>

Attributes in the
common namespace.

Name: original_band		Version Id: 1.0.0.0
Status: Active	Nillable: false	Pattern: [0-9]+
Permissible Value(s)	No Values	

os_version in Software_Binary

Name: os_version		Version Id: 1.0.0.0	
<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

Name: os_version		Version Id: 1.0.0.0	
<i>Description:</i> The OS version attribute indicates the version of an operating system.			
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		

parsing_standard_id in Checksum_Manifest

Name: parsing_standard_id		Version Id: 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.			
Namespace Id: pds	Steward: ops	Class Name: Checksum_Manifest	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	
	MD5Deep 4.n	The checksum manifest is governed by the Message-Digest Algorithm (MD5) output of the MD5 Deep Package Version 4.n (see http://md5deep.sourceforge.net/).	

parsing_standard_id in Header

Name: parsing_standard_id		Version Id: 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> 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.	
	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).	

Name: parsing_standard_id		Version Id: 1.0.0.0
	VICAR2	The Header is governed by the standard Video Image Communication And Retrieval (VICAR).

parsing_standard_id in Parsable_Byte_Stream

Name: parsing_standard_id		Version Id: 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.			
Namespace Id: pds	Steward: pds	Class Name: Parsable_Byte_Stream	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		

parsing_standard_id in SPICE_Kernel

Name: parsing_standard_id		Version Id: 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.			
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 http://naif.jpl.nasa.gov/pub/naif/toolkit_docs/Tutorials/pdf/individual_docs/04_spice_overview.pdf	

parsing_standard_id in Service_Description

Name: parsing_standard_id		Version Id: 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.			
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

Name: parsing_standard_id			Version Id: 1.0.0.0
<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>	
	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

Name: parsing_standard_id			Version Id: 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> 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

Name: parsing_standard_id			Version Id: 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> 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

Name: parsing_standard_id			Version Id: 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> 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 http://www.iso.org/iso/catalogue_detail.htm?csnumber=40833)	
	XML Schema Version 1.1	XML_Schema is governed by the standard for XML Schema 1.1 (see http://www.w3.org/XML/Schema)	

pattern in ASCII_DOI

Name: pattern			Version Id: 1.0.0.0
<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>Nillable:</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 http://www.doi.org).	

pattern in ASCII_Date *Deprecated*

Name: pattern			Version Id: 1.0.0.0
<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

Name: pattern			Version Id: 1.0.0.0
<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}-(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

Name: pattern			Version Id: 1.0.0.0
<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*

Name: pattern			Version Id: 1.0.0.0
<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>	

Name: pattern		Version Id: 1.0.0.0
	(-)?[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])))))(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)?	
	(-)?[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)?	

Name: pattern	Version Id: 1.0.0.0
	(-)?[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

Name: pattern	Version Id: 1.0.0.0		
<i>Description:</i> The pattern attribute provides a symbolic 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: Pattern	Conceptual Domain: Short_String
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	Value	Value Meaning	
	(-)?[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?)		

Name: pattern	Version Id: 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]))))(Z?)	

pattern in ASCII_Date_Time_DOY_UTC

Name: pattern	Version Id: 1.0.0.0		
<i>Description:</i> The pattern attribute provides a symbolic instruction for forming values.			
Namespace Id: pds	Steward: pds	Class Name: ASCII_Date_Time_DOY_UTC	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	
	(-)?[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)		

Name: pattern		Version Id: 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])))(Z)	

pattern in ASCII_Date_Time_UTC

Deprecated

Name: pattern		Version Id: 1.0.0.0
<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 <i>*Deprecated*</i>
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Pattern
<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]	

Name: pattern		Version Id: 1.0.0.0
	[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)	

pattern in ASCII_Date_Time_YMD

Name: pattern		Version Id: 1.0.0.0
<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>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Pattern
<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]))	

Name: pattern		Version Id: 1.0.0.0
	(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?)	

pattern in ASCII_Date_Time_YMD_UTC

Name: pattern		Version Id: 1.0.0.0	
<i>Description:</i> The pattern attribute provides a symbolic instruction for forming values.			
Namespace Id: pds	Steward: pds	Class Name: ASCII_Date_Time_YMD_UTC	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	
	(-)?[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)		

Name: pattern		Version Id: 1.0.0.0
	(-)?[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)	

pattern in ASCII_Date_YMD

Name: pattern		Version Id: 1.0.0.0
<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>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Pattern
<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

Name: pattern			Version Id: 1.0.0.0
<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

Name: pattern			Version Id: 1.0.0.0
<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 Meaning</i>	
[0-9a-fA-F]{32}		See the respective formation rule for the value meaning.	

pattern in ASCII_NonNegative_Integer

Name: pattern			Version Id: 1.0.0.0
<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_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> None
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>		<i>Value Meaning</i>	
[0-9]+			

pattern in ASCII_Numeric_Base16

Name: pattern			Version Id: 1.0.0.0
<i>Description:</i> The pattern attribute provides a symbolic instruction for forming values.			

Attributes in the
common namespace.

Name: pattern			Version Id: 1.0.0.0
<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

Name: pattern			Version Id: 1.0.0.0
<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

Name: pattern			Version Id: 1.0.0.0
<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_Real

Name: pattern			Version Id: 1.0.0.0
<i>Description:</i> The pattern attribute provides a symbolic instruction for forming values.			

Name: pattern			Version Id: 1.0.0.0
<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> 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>	
	$[+]?[0-9]+(\.[0-9]+)?([eE][+]?[0-9]+)?$		

pattern in ASCII_Time

Name: pattern			Version Id: 1.0.0.0
<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

Name: pattern			Version Id: 1.0.0.0
<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
<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>	

Attributes in the
common namespace.

Name: pattern		Version Id: 1.0.0.0
	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

Name: pattern		Version Id: 1.0.0.0	
<i>Description:</i> The pattern attribute provides a symbolic instruction for forming values.			
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: Pattern	Conceptual Domain: Short_String
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

pattern in DD_Value_Domain

Name: pattern		Version Id: 1.0.0.0	
<i>Description:</i> The pattern attribute provides a symbolic instruction for forming values.			
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: Pattern	Conceptual Domain: Short_String
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

pattern in DD_Value_Domain_Full

Name: pattern		Version Id: 1.0.0.0	
<i>Description:</i> The pattern attribute provides a symbolic instruction for forming values.			
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: Pattern	Conceptual Domain: Short_String
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

phone_book_flag in PDS_Affiliate

Name: phone_book_flag			Version Id: 1.0.0.0
<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

Name: postal_address_text			Version Id: 1.0.0.0
<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

Name: preferred_flag			Version Id: 1.0.0.0
<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

Name: primary_body_name			Version Id: 1.0.0.0
<i>Description:</i> The primary_body_name attribute identifies the primary body with which a given target body is associated as a secondary body.			
Namespace Id: pds	Steward: ops	Class Name: Target_PDS3	Type: ASCII_Short_String_Collapsed

Name: primary_body_name			Version Id: 1.0.0.0
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</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

Name: processing_level			Version Id: 1.0.0.0
<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 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 storage where the raw instrument data will be extracted.	

processing_level_id in Primary_Result_Summary *Deprecated*

Name: processing_level_id *Deprecated*			Version Id: 1.0.0.0
<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

Name: producer_full_name			Version Id: 1.0.0.0
<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
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255

Name: producer_full_name			Version Id: 1.0.0.0
<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

Name: product_class			Version Id: 1.0.0.0
<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	
	Product_File_Text	This is a product that is described by the class definition Product_File_Text	

Name: product_class		Version Id: 1.0.0.0
	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_Metadata_Supplemental	This is a product that is described by the class definition Product_Metadata_Supplemental
	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

Name: program_notes_id	Version Id: 1.0.0.0
<i>Description:</i> The program notes id attribute provides an identifier to a brief statement giving particulars about a software program.	

Name: program_notes_id			Version Id: 1.0.0.0
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> Software_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	
<i>Permissible Value(s)</i>	<i>No Values</i>		

program_notes_id in Software_Source

Name: program_notes_id			Version Id: 1.0.0.0
<i>Description:</i> The program notes id attribute provides an identifier to a brief statement giving particulars about a software program.			
<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>		

programmers_manual_id in Software

Name: programmers_manual_id			Version Id: 1.0.0.0
<i>Description:</i> The programmers manual id attribute provides an identifier to a document giving instruction about the programming 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> 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>		

property_map_subtype in Property_Map_Entry

Name: property_map_subtype			Version Id: 1.0.0.0
<i>Description:</i> The property_map_subtype attribute indicates the subcategory of the property map.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> Property_Map_Entry	<i>Type:</i> ASCII_Short_String_Collapsed

Attributes in the
common namespace.

Name: property_map_subtype			Version Id: 1.0.0.0
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</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>		

property_map_type in Property_Map_Entry

Name: property_map_type			Version Id: 1.0.0.0
<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_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>	<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 the same 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

Name: property_name			Version Id: 1.0.0.0
<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>	<i>No Values</i>		

property_value in Property_Map_Entry

Name: property_value			Version Id: 1.0.0.0
<i>Description:</i> The property value attribute provides the value assigned to a property.			
<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>		No Values	

provider_site_id in SIP_Deep_Archive

Name: provider_site_id			Version Id: 1.0.0.0
<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>Value</i>	
	PDS_ATM	Planetary Data System: Atmospheres Node	
	PDS_ENG	Planetary Data System: Engineering Node	
	PDS_GEO	Planetary Data System: Geosciences Node	
	PDS_IMG	Planetary Data System: Imaging Node at USGS	
	PDS_JPL	Planetary Data System: Imaging Subnode at JPL	
	PDS_NAI	Planetary Data System: NAIF Node	
	PDS_PPI	Planetary Data System: Planetary Plasma Interactions Node	
	PDS_PSI	Planetary Data System: Small Bodies Subnode at Planetary Science Institute	
	PDS_RNG	Planetary Data System: Rings Node	
	PDS_SBN	Planetary Data System: Small Bodies Node at University of Maryland	

publication_date in Document

Name: publication_date			Version Id: 1.0.0.0
<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

Attributes in the
common namespace.

Name: publication_date			Version Id: 1.0.0.0
<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

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

publication_year in Citation_Information

Name: publication_year			Version Id: 1.0.0.0
<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".			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Citation_Information	<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>		

purpose in Primary_Result_Summary

Name: purpose			Version Id: 1.0.0.0
<i>Description:</i> The purpose attribute provides an indication of the primary purpose of the observations included.			
<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

Name: purpose			Version Id: 1.0.0.0
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

Name: record_delimiter			Version Id: 1.0.0.0
<i>Description:</i> The record_delimiter attribute provides the character or characters used to indicate the end of a record.			
Namespace Id: pds	Steward: ops	Class Name: Checksum_Manifest	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	
	Carriage-Return Line-Feed	Records in the Checksum Manifest are delimited by ASCII carriage-return line-feed pairs (0x0D_0xA)	
	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

Name: record_delimiter			Version Id: 1.0.0.0
<i>Description:</i> The record_delimiter attribute provides the character or characters used to indicate the end of a record.			
Namespace Id: pds	Steward: pds	Class Name: Stream_Text	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: Delimiter	Conceptual Domain: Short_String
Status: Active	Nillable: false	Pattern: None	

Name: record_delimiter		Version Id: 1.0.0.0
<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

Name: record_delimiter *Deprecated*		Version Id: 1.0.0.0
<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_Binary
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Delimiter
<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

Name: record_delimiter		Version Id: 1.0.0.0
<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>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Delimiter
<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

Name: record_delimiter			Version Id: 1.0.0.0
<i>Description:</i> The record_delimiter attribute provides the character or characters used to indicate the end of a record.			
Namespace Id: pds	Steward: pds	Class Name: Table_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: Delimiter	Conceptual Domain: Short_String
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	Value	Value Meaning	
	Carriage-Return Line-Feed	Records in the delimited table are delimited by ASCII carriage-return line-feed pairs (0x0D_0xA)	
	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

Name: record_length			Version Id: 1.0.0.0
<i>Description:</i> The record_length attribute provides the length of a record, including a record delimiter, if present.			
Namespace Id: pds	Steward: pds	Class Name: Record_Binary	Type: ASCII_NonNegative_Integer
Minimum Value: 1	Maximum Value: 18446744073709551615	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: [0-9]+	
Permissible Value(s)	No Values		

record_length in Record_Character

Name: record_length			Version Id: 1.0.0.0
<i>Description:</i> The record_length attribute provides the length of a record, including the record delimiter.			
Namespace Id: pds	Steward: pds	Class Name: Record_Character	Type: ASCII_NonNegative_Integer
Minimum Value: 1	Maximum Value: 18446744073709551615	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: [0-9]+	
Permissible Value(s)	No Values		

records in File

Name: records			Version Id: 1.0.0.0
<i>Description:</i> The records attribute provides a count of records.			
Namespace Id: pds	Steward: pds	Class Name: File	Type: ASCII_NonNegative_Integer
Minimum Value: 1	Maximum Value: 18446744073709551615	Minimum Characters: None	Maximum Characters: None
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: Count	Conceptual Domain: Integer
Status: Active	Nillable: false	Pattern: [0-9]+	
Permissible Value(s)	No Values		

records in Table_Base

Name: records			Version Id: 1.0.0.0
<i>Description:</i> The records attribute provides a count of records.			
Namespace Id: pds	Steward: pds	Class Name: Table_Base	Type: ASCII_NonNegative_Integer
Minimum Value: 1	Maximum Value: 18446744073709551615	Minimum Characters: None	Maximum Characters: None
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: Count	Conceptual Domain: Integer
Status: Active	Nillable: false	Pattern: [0-9]+	
Permissible Value(s)	No Values		

records in Table_Delimited

Name: records			Version Id: 1.0.0.0
<i>Description:</i> The records attribute provides a count of records.			
Namespace Id: pds	Steward: pds	Class Name: Table_Delimited	Type: ASCII_NonNegative_Integer
Minimum Value: 1	Maximum Value: 18446744073709551615	Minimum Characters: None	Maximum Characters: None
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: Count	Conceptual Domain: Integer
Status: Active	Nillable: false	Pattern: [0-9]+	
Permissible Value(s)	No Values		

reference_frame_id in Vector

Name: reference_frame_id			Version Id: 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.			
Namespace Id: pds	Steward: pds	Class Name: Vector	Type: ASCII_Short_String_Collapsed

Name: reference_frame_id			Version Id: 1.0.0.0
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</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

Name: reference_frame_id			Version Id: 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

Name: reference_text			Version Id: 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

Name: reference_type			Version Id: 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

Name: reference_type			Version Id: 1.0.0.0
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</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	
	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

Name: reference_type			Version Id: 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> 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

Name: reference_type			Version Id: 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> 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> 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

Name: reference_type			Version Id: 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> 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>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.			

Attributes in the
common namespace.

Name: reference_type		Version Id: 1.0.0.0
	is_telescope	The referenced class is a context product describing the telescope.
	is_airborne	The referenced class is a context product describing the an airborne platform.
<i>Extended Value(s) for:</i> <i>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.
	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:</i> <i>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:</i> <i>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:</i> <i>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:</i> <i>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

Name: reference_type		Version Id: 1.0.0.0
	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>
	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

Name: reference_type		Version Id: 1.0.0.0
<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
	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
	instrument_to_telescope	The instrument is associated to a telescope
	instrument_to_observatory	The instrument is associated to an observatory
	instrument_to_facility	The instrument is associated to a facility

Name: reference_type		Version Id: 1.0.0.0
	telescope_to_observatory	The telescope is associated to an observatory
	telescope_to_facility	The telescope is associated to a facility
	telescope_to_airborne	The telescope is associated to an airborne platform
<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_ 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_ 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

Name: reference_type		Version Id: 1.0.0.0
<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_ Observational/ pds:Observation_ Area/pds:Target_ Identification/ pds:Internal_Reference</i>	<i>Value</i>	<i>Value Meaning</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

Name: reference_type		Version Id: 1.0.0.0
	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:</i> pds:Product_SIP/pds:Information_Package_Component/pds:Internal_Reference	<i>Value</i>	<i>Value Meaning</i>
	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:</i> pds:Product_SIP_Deep_Archive/pds:Information_Package_Component_Deep_Archive/pds:Internal_Reference	<i>Value</i>	<i>Value Meaning</i>
	package_has_bundle	The Submission Information Package Deep Archive contains a Bundle.
<i>Extended Value(s) for:</i> pds:Product_Update/pds:Reference_List/pds:Internal_Reference	<i>Value</i>	<i>Value Meaning</i>
	update_to_collection	The update is associated to a collection product
<i>Extended Value(s) for:</i> pds:Product_Zipped/pds:Internal_Reference	<i>Value</i>	<i>Value Meaning</i>
	zip_to_package	The zip file contains a copy of the package

reference_type in Inventory

Name: reference_type			Version Id: 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> 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

Name: registered_by			Version Id: 1.0.0.0
<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
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</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>		

registered_by in DD_Class_Full

Name: registered_by			Version Id: 1.0.0.0
<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>	<i>No Values</i>		

registration_authority_id in DD_Attribute_Full

Name: registration_authority_id			Version Id: 1.0.0.0
<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

Name: registration_authority_id			Version Id: 1.0.0.0
<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
<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>		

registration_date in PDS_Affiliate

Name: registration_date			Version Id: 1.0.0.0
<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>	<i>No Values</i>		

registration_date in PDS_Guest

Name: registration_date			Version Id: 1.0.0.0
<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>	<i>No Values</i>		

release_date in Service

Name: release_date			Version Id: 1.0.0.0
<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>	<i>No Values</i>		

repetitions in Group

Name: repetitions			Version Id: 1.0.0.0
<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_NonNegative_Integer
<i>Minimum Value:</i> 1	<i>Maximum Value:</i> 18446744073709551615	<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> [0-9]+	
<i>Permissible Value(s)</i>	<i>No Values</i>		

revision_id in Document

Name: revision_id			Version Id: 1.0.0.0
<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.			

Attributes in the
common namespace.

Name: revision_id			Version Id: 1.0.0.0
<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

Name: rotation_direction			Version Id: 1.0.0.0
<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

Name: rule_assign			Version Id: 1.0.0.0
<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

Name: rule_context			Version Id: 1.0.0.0
<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

Attributes in the common namespace.

Name: rule_context			Version Id: 1.0.0.0
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</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

Name: rule_description			Version Id: 1.0.0.0
<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

Name: rule_message			Version Id: 1.0.0.0
<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
<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_test in DD_Rule_Statement

Name: rule_test			Version Id: 1.0.0.0
<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

Attributes in the common namespace.

Name: rule_test			Version Id: 1.0.0.0
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

rule_type in DD_Rule_Statement

Name: rule_type				Version Id: 1.0.0.0
<i>Description:</i> The rule_type attribute indicates the type of statement to be executed.				
Namespace Id: pds	Steward: ops	Class Name: DD_Rule_Statement	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		
	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

Name: rule_value				Version Id: 1.0.0.0
<i>Description:</i> The rule_value attribute provides values to be used to complete certain schematons statements.				
Namespace Id: pds	Steward: ops	Class Name: DD_Rule_Statement	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			

sample_display_direction in Display_2D_Image *Deprecated*

Name: sample_display_direction				Version Id: 1.0.0.0
<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.				
Namespace Id: pds	Steward: pds	Class Name: Display_2D_Image *Deprecated*	Type: ASCII_Short_String_Collapsed	

Name: sample_display_direction			Version Id: 1.0.0.0
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</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 a line for viewing on a display device is Right	

sampling_parameter_base in Uniformly_Sampled

Name: sampling_parameter_base			Version Id: 1.0.0.0
<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> 1.7976931348623157e30	<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> [-]?[0-9]+(\.? [0-9]+)?([eE][-]?[0-9]+)?	
<i>Permissible Value(s)</i>	<i>No Values</i>		

sampling_parameter_interval in Occultation_Supplement

Name: sampling_parameter_interval			Version Id: 1.0.0.0
<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> pds	<i>Steward:</i> rings	<i>Class Name:</i> Occultation_Supplement	<i>Type:</i> ASCII_Real
<i>Minimum Value:</i> -1.7976931348623157e30	<i>Maximum Value:</i> 8.7976931348623157e30	<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> [-]?[0-9]+(\.? [0-9]+)?([eE][-]?[0-9]+)?	
<i>Permissible Value(s)</i>	<i>No Values</i>		

sampling_parameter_interval in Uniformly_Sampled

Name: sampling_parameter_interval		Version Id: 1.0.0.0
<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 x1 and xn are the first and last sampling parameter values, respectively, xn is larger than x1, 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: (xn-x1)/(n-1) (for sampling_parameter_scale = Linear), (xn/x1)^(1/(n-1)) (for sampling_parameter_scale = Logarithmic), (b^xn-b^x1)/(n-1) (for sampling_parameter_scale = Exponential).		
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Uniformly_Sampled
<i>Minimum Value:</i> -1.7976931348623157e30	<i>Maximum Value:</i> 8.7976931348623157e30	<i>Minimum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Number
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> [-]?[0-9]+(\.? [0-9]+)?([eE][-+]?[0-9]+)?
<i>Permissible Value(s)</i>	<i>No Values</i>	

sampling_parameter_name in Occultation_Supplement

Name: sampling_parameter_name		Version Id: 1.0.0.0
<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> pds	<i>Steward:</i> rings	<i>Class Name:</i> Occultation_Supplement
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None
<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

Name: sampling_parameter_name		Version Id: 1.0.0.0
<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.		

Name: sampling_parameter_name			Version Id: 1.0.0.0
<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

Name: sampling_parameter_scale			Version Id: 1.0.0.0
<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
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</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	

Name: sampling_parameter_scale		Version Id: 1.0.0.0
		Logarithmic Uniformly Spaced data are given at 0, 1, 2, 3 ...

sampling_parameter_unit in Occultation_Supplement

Name: sampling_parameter_unit		Version Id: 1.0.0.0	
<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> pds	<i>Steward:</i> rings	<i>Class Name:</i> Occultation_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>	

sampling_parameter_unit in Uniformly_Sampled

Name: sampling_parameter_unit		Version Id: 1.0.0.0	
<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 *Deprecated*

Name: sampling_parameters *Deprecated*		Version Id: 1.0.0.0	
<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> 18446744073709551615	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None

Name: sampling_parameters *Deprecated*			Version Id: 1.0.0.0
<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> Deprecated	<i>Nillable:</i> false	<i>Pattern:</i> [0-9]+	
<i>Permissible Value(s)</i>	<i>No Values</i>		

saturated_constant in Special_Constants

Name: saturated_constant			Version Id: 1.0.0.0
<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*

Name: scaling_factor			Version Id: 1.0.0.0
<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> -1.7976931348623157e30	<i>Maximum Value:</i> 8976931348623157e30	<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> [-]?[0-9]+(?:[0-9]+)?([eE][-]?[0-9]+)?	
<i>Permissible Value(s)</i>	<i>No Values</i>		

scaling_factor in Element_Array

Name: scaling_factor			Version Id: 1.0.0.0
<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> -1.7976931348623157e30	<i>Maximum Value:</i> 8976931348623157e30	<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

Name: scaling_factor			Version Id: 1.0.0.0
Status: Active	Nillable: false	Pattern: [-]?[0-9]+(\.? [0-9]+)?([eE][-+]?[0-9]+)?	
Permissible Value(s)	No Values		

scaling_factor in Field_Binary

Name: scaling_factor			Version Id: 1.0.0.0
<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.			
Namespace Id: pds	Steward: pds	Class Name: Field_Binary	Type: ASCII_Real
Minimum Value: -1.7976931348623157e3087976931348623157e30	Maximum Value: None	Minimum Characters: 0	Maximum Characters: None
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: Factor	Conceptual Domain: Real
Status: Active	Nillable: false	Pattern: [-]?[0-9]+(\.? [0-9]+)?([eE][-+]?[0-9]+)?	
Permissible Value(s)	No Values		

scaling_factor in Field_Bit

Name: scaling_factor			Version Id: 1.0.0.0
<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.			
Namespace Id: pds	Steward: pds	Class Name: Field_Bit	Type: ASCII_Real
Minimum Value: -1.7976931348623157e3087976931348623157e30	Maximum Value: None	Minimum Characters: 0	Maximum Characters: None
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: Factor	Conceptual Domain: Real
Status: Active	Nillable: false	Pattern: [-]?[0-9]+(\.? [0-9]+)?([eE][-+]?[0-9]+)?	
Permissible Value(s)	No Values		

scaling_factor in Field_Character

Name: scaling_factor			Version Id: 1.0.0.0
<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.			
Namespace Id: pds	Steward: pds	Class Name: Field_Character	Type: ASCII_Real
Minimum Value: -1.7976931348623157e3087976931348623157e30	Maximum Value: None	Minimum Characters: 0	Maximum Characters: None
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: Factor	Conceptual Domain: Real

Name: scaling_factor			Version Id: 1.0.0.0
Status: Active	Nillable: false	Pattern: [-+]?[0-9]+(\.? [0-9]+)?([eE][-+]?[0-9]+)?	
Permissible Value(s)	No Values		

scaling_factor in Field_Delimited

Name: scaling_factor			Version Id: 1.0.0.0
<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.			
Namespace Id: pds	Steward: pds	Class Name: Field_Delimited	Type: ASCII_Real
Minimum Value: -1.7976931348623157e3087976931348623157e30	Maximum Value: 87976931348623157e30	Minimum Characters: None	Maximum Characters: None
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: Factor	Conceptual Domain: Real
Status: Active	Nillable: false	Pattern: [-+]?[0-9]+(\.? [0-9]+)?([eE][-+]?[0-9]+)?	
Permissible Value(s)	No Values		

sequence_number in Axis_Array

Name: sequence_number			Version Id: 1.0.0.0
<i>Description:</i> The sequence_number attribute provides a number that is used to order axes in an array.			
Namespace Id: pds	Steward: pds	Class Name: Axis_Array	Type: ASCII_NonNegative_Integer
Minimum Value: 1	Maximum Value: 16	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: [0-9]+	
Permissible Value(s)	No Values		

sequence_number in Quaternion_Component

Name: sequence_number			Version Id: 1.0.0.0
<i>Description:</i> The sequence_number attribute provides a number that is used to order axes in an array.			
Namespace Id: pds	Steward: pds	Class Name: Quaternion_Component	Type: ASCII_NonNegative_Integer
Minimum Value: 1	Maximum Value: 16	Minimum Characters: None	Maximum Characters: None
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: Number	Conceptual Domain: Integer

Name: sequence_number			Version Id: 1.0.0.0
Status: Active	Nillable: false	Pattern: [0-9]+	
Permissible Value(s)	No Values		

sequence_number in Vector_Component

Name: sequence_number			Version Id: 1.0.0.0
<i>Description:</i> The sequence_number attribute provides a number that is used to order axes in an array.			
Namespace Id: pds	Steward: pds	Class Name: Vector_Component	Type: ASCII_NonNegative_Integer
Minimum Value: 1	Maximum Value: 16	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: [0-9]+	
Permissible Value(s)	No Values		

serial_number in Instrument

Name: serial_number			Version Id: 1.0.0.0
<i>Description:</i> The serial number element provides the assigned manufacturer's serial number.			
Namespace Id: pds	Steward: pds	Class Name: Instrument	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: Number	Conceptual Domain: Short_String
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

serial_number in Instrument_Host

Name: serial_number			Version Id: 1.0.0.0
<i>Description:</i> The serial number attribute provides the manufacturer's serial number assigned to an instrument host.			
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: Number	Conceptual Domain: Short_String
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

service_type in Service

Name: service_type			Version Id: 1.0.0.0
<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

Name: software_dialect			Version Id: 1.0.0.0
<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

Name: software_format_type			Version Id: 1.0.0.0
<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
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</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

Name: software_format_type			Version Id: 1.0.0.0
<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

Name: software_id			Version Id: 1.0.0.0
<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

Name: software_language			Version Id: 1.0.0.0
<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

Name: software_language			Version Id: 1.0.0.0
<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

Attributes in the
common namespace.

Name: software_language			Version Id: 1.0.0.0
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</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

Name: software_type			Version Id: 1.0.0.0
<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

Name: software_version_id			Version Id: 1.0.0.0
<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

Name: solar_longitude			Version Id: 1.0.0.0
<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
<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> [-]?[0-9]+(\.[0-9]+)?([eE][-]?[0-9]+)?	

Attributes in the
common namespace.

Name: solar_longitude		Version Id: 1.0.0.0
Permissible Value(s)	No Values	

sort_name in PDS_Affiliate

Name: sort_name		Version Id: 1.0.0.0	
<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.			
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)	No Values		

sort_name in PDS_Guest

Name: sort_name		Version Id: 1.0.0.0	
<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.			
Namespace Id: pds	Steward: ops	Class Name: PDS_Guest	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		

specified_unit_id in DD_Value_Domain

Name: specified_unit_id		Version Id: 1.0.0.0	
<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	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 DD_Value_Domain_Full

Name: specified_unit_id		Version Id: 1.0.0.0
<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_Full
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> ID
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None
<i>Permissible Value(s)</i>	<i>No Values</i>	

specified_unit_id in Unit_Of_Measure

Name: specified_unit_id		Version Id: 1.0.0.0
<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> Unit_Of_Measure
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> ID
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None
<i>Permissible Value(s)</i>	<i>No Values</i>	

specified_unit_id in Units_of_Acceleration

Name: specified_unit_id		Version Id: 1.0.0.0
<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_Acceleration
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> ID
<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**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

Name: specified_unit_id			Version Id: 1.0.0.0
<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

Name: specified_unit_id			Version Id: 1.0.0.0
<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

Name: specified_unit_id			Version Id: 1.0.0.0
<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_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

Name: specified_unit_id			Version Id: 1.0.0.0
<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

Name: specified_unit_id			Version Id: 1.0.0.0
<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

Name: specified_unit_id			Version Id: 1.0.0.0
<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

Name: specified_unit_id			Version Id: 1.0.0.0
<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

Name: specified_unit_id			Version Id: 1.0.0.0
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</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

Name: specified_unit_id			Version Id: 1.0.0.0
<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

Name: specified_unit_id			Version Id: 1.0.0.0
<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>	
	m	Units_of_Length maximum, minimum, and permissible values are given in the unit meter	

specified_unit_id in Units_of_Map_Scale

Deprecated

Name: specified_unit_id		Version Id: 1.0.0.0	
<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 *Deprecated*	<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

Name: specified_unit_id		Version Id: 1.0.0.0	
<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

Name: specified_unit_id		Version Id: 1.0.0.0	
<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
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> ID	<i>Conceptual Domain:</i> Short_String

Name: specified_unit_id			Version Id: 1.0.0.0
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	Value	Value Meaning	
	DN	Units_of_Misc maximum, minimum, and permissible values are given in the unit data number.	

specified_unit_id in Units_of_None

Name: specified_unit_id			Version Id: 1.0.0.0
<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_None	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	
	none	Units_of_None maximum, minimum, and permissible values are dimensionless.	

specified_unit_id in Units_of_Optical_Path_Length

Name: specified_unit_id			Version Id: 1.0.0.0
<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_Optical_Path_Length	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	
	airmass	Units_of_Optical_Path_Length maximum, minimum, and permissible values are given in the unit airmass	

specified_unit_id in Units_of_Pixel_Resolution_Angular

Name: specified_unit_id		Version Id: 1.0.0.0	
<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_Pixel_Resolution_Angular	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</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>	
	deg/pixel	Units_of_Pixel_Resolution_Angular maximum, minimum, and permissible values are given in the unit deg/pixel	

specified_unit_id in Units_of_Pixel_Resolution_Linear

Name: specified_unit_id		Version Id: 1.0.0.0	
<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_Pixel_Resolution_Linear	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</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>	
	km/pixel	Units_of_Pixel_Resolution_Linear maximum, minimum, and permissible values are given in the unit km/pixel	

specified_unit_id in Units_of_Pixel_Resolution_Map

Name: specified_unit_id		Version Id: 1.0.0.0	
<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> cart	<i>Class Name:</i> Units_of_Pixel_Resolution_Map	<i>Type:</i> ASCII_Short_String_Collapsed

Name: specified_unit_id			Version Id: 1.0.0.0
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</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>	
	km/pixel	Units_of_Pixel_Resolution_Map maximum, minimum, and permissible values are given in the unit km/pixel	

specified_unit_id in Units_of_Pixel_Scale_Angular

Name: specified_unit_id			Version Id: 1.0.0.0
<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_Pixel_Scale_Angular	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</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>	
	pixel/deg	Units_of_Pixel_Scale_Angular maximum, minimum, and permissible values are given in the unit pixel/deg	

specified_unit_id in Units_of_Pixel_Scale_Linear

Name: specified_unit_id			Version Id: 1.0.0.0
<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_Pixel_Scale_Linear	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</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>	
	pixel/km	Units_of_Pixel_Scale_Linear maximum, minimum, and permissible values are given in the unit pixel/km	

specified_unit_id in Units_of_Pixel_Scale_Map

Name: specified_unit_id			Version Id: 1.0.0.0
<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> cart	<i>Class Name:</i> Units_of_Pixel_Scale_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>Value</i>	<i>Value Meaning</i>	
	pixel/deg	Units_of_Pixel_Scale_Map maximum, minimum, and permissible values are given in the unit pixel/deg	

specified_unit_id in Units_of_Pressure

Name: specified_unit_id			Version Id: 1.0.0.0
<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

Name: specified_unit_id			Version Id: 1.0.0.0
<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

Attributes in the
common namespace.

Name: specified_unit_id			Version Id: 1.0.0.0
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	Value	Value Meaning	
	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

Name: specified_unit_id			Version Id: 1.0.0.0
<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_Rates	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	
	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

Name: specified_unit_id			Version Id: 1.0.0.0
<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_Solid_Angle	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	
	sr	Units_of_Solid_Angle maximum, minimum, and permissible values are given in the unit steradian.	

specified_unit_id in Units_of_Spectral_Irradiance

Name: specified_unit_id			Version Id: 1.0.0.0
<i>Description:</i> The specified_unit_id attribute provides the unit chosen for maximum_value, minimum_value, and permissible_value.			

Name: specified_unit_id			Version Id: 1.0.0.0
<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

Name: specified_unit_id			Version Id: 1.0.0.0
<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_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

Name: specified_unit_id			Version Id: 1.0.0.0
<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>	

Name: specified_unit_id		Version Id: 1.0.0.0
	byte	Units_of_Storage maximum, minimum, and permissible values are given in the unit byte

specified_unit_id in Units_of_Temperature

Name: specified_unit_id		Version Id: 1.0.0.0	
<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

Name: specified_unit_id		Version Id: 1.0.0.0	
<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

Name: specified_unit_id		Version Id: 1.0.0.0
<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>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> ID
		<i>Conceptual Domain:</i> Short_String

Name: specified_unit_id			Version Id: 1.0.0.0
<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

Name: specified_unit_id			Version Id: 1.0.0.0
<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>	
	V	Units_of_Voltage maximum, minimum, and permissible values are given in the unit volt	

specified_unit_id in Units_of_Volume

Name: specified_unit_id			Version Id: 1.0.0.0
<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

Name: specified_unit_id			Version Id: 1.0.0.0
<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

Name: specified_unit_id			Version Id: 1.0.0.0
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</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*

Name: standard_deviation			Version Id: 1.0.0.0
<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> 1.7976931348623157e30	<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> [-]?[0-9]+(\.? [0-9]+)?([eE][-+]? [0-9]+)?	
<i>Permissible Value(s)</i>	<i>No Values</i>		

standard_deviation in Field_Statistics

Name: standard_deviation			Version Id: 1.0.0.0
<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).			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Field_Statistics	<i>Type:</i> ASCII_Real
<i>Minimum Value:</i> 0	<i>Maximum Value:</i> 1.7976931348623157e30	<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> [-]?[0-9]+(\.? [0-9]+)?([eE][-+]? [0-9]+)?	
<i>Permissible Value(s)</i>	<i>No Values</i>		

standard_deviation in Object_Statistics

Name: standard_deviation			Version Id: 1.0.0.0
<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).			

Name: standard_deviation			Version Id: 1.0.0.0
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Object_Statistics	<i>Type:</i> ASCII_Real
<i>Minimum Value:</i> 0	<i>Maximum Value:</i> 1.7976931348623157e308	<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> [-+]?[0-9]+(\.? [0-9] +)?([eE][-+]?[0-9] +)?	
<i>Permissible Value(s)</i>	<i>No Values</i>		

start_bit in Field_Bit

Name: start_bit			Version Id: 1.0.0.0
<i>Description:</i> The start_bit attribute provides the position of the first bit within an ordered sequence of bits.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Field_Bit	<i>Type:</i> ASCII_NonNegative_Integer
<i>Minimum Value:</i> 1	<i>Maximum Value:</i> 18446744073709551615	<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> [0-9]+	
<i>Permissible Value(s)</i>	<i>No Values</i>		

start_date in Investigation

Name: start_date			Version Id: 1.0.0.0
<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***

Name: start_date_time *Deprecated*			Version Id: 1.0.0.0
<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

Name: start_date_time *Deprecated*			Version Id: 1.0.0.0
<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

Name: start_date_time			Version Id: 1.0.0.0
<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

Name: start_time			Version Id: 1.0.0.0
<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

Name: starting_point_identifier			Version Id: 1.0.0.0
<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

Name: starting_point_identifier			Version Id: 1.0.0.0
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

steward_id in DD_Attribute_Full

Name: steward_id			Version Id: 1.0.0.0
<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	
	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

Name: steward_id			Version Id: 1.0.0.0
<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

Name: steward_id			Version Id: 1.0.0.0
<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	
	sbn	Steward of the attribute is the PDS Small Bodies discipline node	

steward_id in Ingest_LDD

Name: steward_id			Version Id: 1.0.0.0
<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

Name: stop_bit			Version Id: 1.0.0.0
<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_NonNegative_Integer

Name: stop_bit			Version Id: 1.0.0.0
<i>Minimum Value:</i> 1	<i>Maximum Value:</i> 18446744073709551615	<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> [0-9]+	
<i>Permissible Value(s)</i>	<i>No Values</i>		

stop_date in Investigation

Name: stop_date			Version Id: 1.0.0.0
<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

Name: stop_date_time *Deprecated*			Version Id: 1.0.0.0
<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

Name: stop_date_time			Version Id: 1.0.0.0
<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

Name: stop_date_time			Version Id: 1.0.0.0
Status: Active	Nillable: true	Pattern: None	
Permissible Value(s)	No Values		

stop_time in Data_Set_PDS3

Name: stop_time			Version Id: 1.0.0.0
<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.			
Namespace Id: pds	Steward: ops	Class Name: Data_Set_PDS3	Type: ASCII_Date_Time
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: Time
Status: Active	Nillable: true	Pattern: None	
Permissible Value(s)	No Values		

subfacet1 in Group_Facet1

Name: subfacet1			Version Id: 1.0.0.0
<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.			
Namespace Id: pds	Steward: pds	Class Name: Group_Facet1	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		

subfacet2 in Group_Facet2

Name: subfacet2			Version Id: 1.0.0.0
<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.			
Namespace Id: pds	Steward: pds	Class Name: Group_Facet2	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		

submitter_name in DD_Attribute

Name: submitter_name			Version Id: 1.0.0.0
<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

Name: submitter_name			Version Id: 1.0.0.0
<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_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>		

submitter_name in DD_Class

Name: submitter_name			Version Id: 1.0.0.0
<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_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> 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_Class_Full

Name: submitter_name			Version Id: 1.0.0.0
<i>Description:</i> The submitter_name attribute provides the name of the author, who submits the item to the steward.			

Name: submitter_name			Version Id: 1.0.0.0
<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> 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>		

subscription_id in Subscriber_PDS3

Name: subscription_id			Version Id: 1.0.0.0
<i>Description:</i> The subscriber_id provides the identification of a PDS subscription.			
<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> 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>		

subtype in Instrument

Name: subtype			Version Id: 1.0.0.0
<i>Description:</i> The subtype attribute is a special type included within the general type. It provides more specific clarifying and/or supplemental information as to the nature of the type.			
<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> 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>		

supported_architecture_note in Software_Binary

Name: supported_architecture_note			Version Id: 1.0.0.0
<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

Name: supported_architecture_note			Version Id: 1.0.0.0
<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>		

supported_architecture_note in Software_Source

Name: supported_architecture_note			Version Id: 1.0.0.0
<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>	<i>No Values</i>		

supported_environment_note in Software_Script

Name: supported_environment_note			Version Id: 1.0.0.0
<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
<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>		

supported_operating_system_note in Service

Name: supported_operating_system_note			Version Id: 1.0.0.0
<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

Name: supported_operating_system_note			Version Id: 1.0.0.0
<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>		

supported_operating_system_note in Software_Binary

Name: supported_operating_system_note			Version Id: 1.0.0.0
<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>	<i>No Values</i>		

supported_operating_system_note in Software_Source

Name: supported_operating_system_note			Version Id: 1.0.0.0
<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
<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 Service

Name: system_requirements_note			Version Id: 1.0.0.0
<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

Name: system_requirements_note			Version Id: 1.0.0.0
<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>		

system_requirements_note in Software_Binary

Name: system_requirements_note			Version Id: 1.0.0.0
<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>	<i>No Values</i>		

system_requirements_note in Software_Script

Name: system_requirements_note			Version Id: 1.0.0.0
<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
<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

Name: system_requirements_note			Version Id: 1.0.0.0
<i>Description:</i> The system requirements note attribute identifies what is necessary to process the software.			

Name: system_requirements_note			Version Id: 1.0.0.0
<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

Name: target_desc			Version Id: 1.0.0.0
<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

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

target_type in Target_PDS3

Name: target_type			Version Id: 1.0.0.0
<i>Description:</i> The target_type attribute identifies the type of a named target.			
<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> Type	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	

Name: target_type		Version Id: 1.0.0.0
Permissible Value(s)	No Values	

team_name in PDS_Affiliate

Name: team_name		Version Id: 1.0.0.0	
<i>Description:</i> The team_name attribute provides the name of a group of individuals working together.			
<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>	<i>Value</i>	<i>Value Meaning</i>	
	Cartography and Imaging Sciences Discipline	Team name is Cartography and Imaging Sciences Discipline	
	Engineering	Team name is Engineering	
	Geosciences	Team name is Geosciences	
	Headquarters	Team name is Headquarters	
	Imaging - *Deprecated*	The Node has name Imaging	
	Management	Team name is Management	
	National Space Science Data Center	Team name is National Space Science Data Center (until 2014) or National Space 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 - *Deprecated*	The Node has name Planetary Rings	
	Radio Science	Team name is Radio Science	
	Ring-Moon Systems	Team name is Ring-Moon Systems	
	Small Bodies	Team name is Small Bodies	

telephone_number in PDS_Affiliate

Name: telephone_number		Version Id: 1.0.0.0	
<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

Name: telephone_number			Version Id: 1.0.0.0
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</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

Name: telescope_altitude			Version Id: 1.0.0.0
<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> -1.7976931348623157e30	<i>Maximum Value:</i> 8.7976931348623157e30	<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> [-+]?[0-9]+(\.[0-9]+)?([eE][-+]?[0-9]+)?	
<i>Permissible Value(s)</i>	<i>No Values</i>		

telescope_latitude in Telescope

Name: telescope_latitude			Version Id: 1.0.0.0
<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> [-+]?[0-9]+(\.[0-9]+)?([eE][-+]?[0-9]+)?	
<i>Permissible Value(s)</i>	<i>No Values</i>		

telescope_longitude in Telescope

Name: telescope_longitude			Version Id: 1.0.0.0
<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

Name: telescope_longitude			Version Id: 1.0.0.0
Status: Active	Nillable: false	Pattern: [-]?[0-9]+(.[?][0-9]+)?([eE][-]?[0-9]+)?	
Permissible Value(s)	No Values		

title in Identification_Area

Name: title			Version Id: 1.0.0.0
<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.			
Namespace Id: pds	Steward: pds	Class Name: Identification_Area	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: Title	Conceptual Domain: Short_String
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

title in Property_Map

Name: title			Version Id: 1.0.0.0
<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.			
Namespace Id: pds	Steward: ops	Class Name: Property_Map	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		

title in Property_Maps

Name: title			Version Id: 1.0.0.0
<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.			
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		

transfer_manifest_checksum in Information_Package_Component

Name: transfer_manifest_checksum		Version Id: 1.0.0.0
<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>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 32
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Checksum
<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 Airborne

Name: type		Version Id: 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> Airborne
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</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>
	Aircraft	An airborne observatory carried on a powered, heavier than air vessel supporting observations, measurements, and scientific experiments during flight.
	Balloon	A balloon-borne observatory, typically consisting of a gondola structure carrying one or more telescopes and instruments, borne aloft by an unpowered or minimally powered lighter-than-atmosphere balloon for a limited observing period.
	Suborbital Rocket	A Suborbital Rocket is an instrument-carrying rocket designed to take measurements and perform scientific experiments during its sub-orbital flight.

type in DD_Attribute_Full

Name: type		Version Id: 1.0.0.0
<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

Attributes in the
common namespace.

Name: type			Version Id: 1.0.0.0
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</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

Name: type			Version Id: 1.0.0.0
<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

Name: type			Version Id: 1.0.0.0
<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

Name: type			Version Id: 1.0.0.0
<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

Attributes in the
common namespace.

Name: type			Version Id: 1.0.0.0
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</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 - *Deprecated*	An instrument that measures proper (i.e., its own) acceleration.	
	Alpha Particle Detector - *Deprecated*	An instrument that measures the number and/or distribution of alpha particles.	
	Alpha Particle X-Ray Spectrometer - *Deprecated*	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 surface.	
	Anemometer - *Deprecated*	An in situ instrument that measures wind speed.	
	Atmospheric Sciences	A top level category for atmospheric science instruments.	
	Atomic Force Microscope - *Deprecated*	An instrument that uses atomic forces between a probe and a sample to produce high-resolution topographic scans of the sample.	
	Barometer - *Deprecated*	An in situ instrument that measures atmospheric pressure.	
	Biology Experiments - *Deprecated*	An instrument that conducts one or more experiments on samples to determine their potential for biological activity.	
	Bolometer - *Deprecated*	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 - *Deprecated*	An instrument that records and stores analog images (compare 'imager').	
	Cosmic Ray Detector - *Deprecated*	An instrument that detects and/or measures cosmic rays.	
	Drilling Tool - *Deprecated*	A tool that drills into samples.	
	Dust	An instrument that detects and/or measures dust.	
	Dust Detector - *Deprecated*	An instrument that detects and/or measures dust.	
	Electrical Probe - *Deprecated*	An in situ instrument that measures electrical properties (e.g., conductivity) of a medium into which it is inserted.	
	Energetic Particle Detector - *Deprecated*	An instrument that detects and/or measures energetic charged particles.	

Name: type		Version Id: 1.0.0.0
	Gamma Ray Detector - *Deprecated*	An instrument that detects and/or measures gamma rays.
	Gas Analyzer - *Deprecated*	A high-temperature furnace combined with a mass spectrometer that heats a sample and analyzes the mass distribution of the evolved gases.
	Gravimeter	An instrument that measures the local gravitational field.
	Grinding Tool - *Deprecated*	A tool that grinds into samples.
	Hygrometer - *Deprecated*	An instrument used to measure the moisture content of its environment.
	Imager	An instrument that records and stores digital images.
	Imaging Spectrometer - *Deprecated*	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 - *Deprecated*	An instrument that measures changes in its own velocity and orientation by using a combination of accelerometers, gyroscopes, and/or other devices.
	Infrared Spectrometer - *Deprecated*	An instrument that measures the spectral distribution of infrared radiation.
	Interferometer	An instrument used to measure small displacements, refractive index changes and surface irregularities using interferometry.
	Laser Induced Breakdown Spectrometer - *Deprecated*	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 - *Deprecated*	An instrument that measures the number of particles in a sample as a function of their mass.
	Microscope	An instrument used to view objects that are too small to be seen by the naked eye.
	Microwave Spectrometer - *Deprecated*	An instrument that measures the spectral distribution of microwave radiation.
	Moessbauer Spectrometer - *Deprecated*	An instrument that uses the Mossbauer effect to determine the abundance of Fe-bearing minerals in a sample.
	Naked Eye - *Deprecated*	Observations made with the naked eye and recorded in a data product.
	Neutral Particle Detector - *Deprecated*	An instrument that detects and/or measures neutral particles.

Name: type		Version Id: 1.0.0.0
	Neutron Detector - *Deprecated*	An instrument that measures the number and/or energy distribution of neutrons.
	Particle Detector	An instrument that detects and/or measures charged particles.
	Photometer	An instrument that measures radiation intensity (e.g., of visible light), sometimes with the goal of inferring optical properties of materials.
	Plasma Analyzer - *Deprecated*	An instrument that measures the spectral distribution of energy in a low-frequency plasma.
	Plasma Detector - *Deprecated*	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 used to measure the angle of rotation caused by passing polarized electromagnetic radiation through an optically active substance.
	Radar - *Deprecated*	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 - *Deprecated*	An instrument suite used to conduct measurements at radio frequencies.
	Radio Spectrometer - *Deprecated*	An instrument that measures the spectral distribution of electromagnetic radiation at radio frequencies.
	Radio Telescope - *Deprecated*	An instrument used to focus and capture radio waves.
	Radio-Radar	An instrument used to conduct measurements at radio frequencies.
	Radiometer	An instrument which measures the radiant flux of electromagnetic radiation.
	Reflectometer - *Deprecated*	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.
	Regolith Properties	A top level category for the science instruments associated with the Geosciences.
	Robotic Arm - *Deprecated*	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.
	Seismometer	An instrument that measure motion of the ground.
	Small Bodies Sciences	A top level category for the science instruments associated with Small Bodies.

Name: type		Version Id: 1.0.0.0
	Spectrograph	An instrument that separates light into a frequency spectrum and records the signal using a camera.
	Spectrograph Imager - *Deprecated*	See Imaging Spectrometer.
	Spectrometer	An instrument that measures a spectrum, reporting intensity as a function of wavelength, frequency, energy, momentum, or mass.
	Thermal Imager - *Deprecated*	An instrument that captures an image at thermal infrared wavelengths.
	Thermal Probe - *Deprecated*	An in situ instrument that measures thermal properties (e.g., temperature) at one or more points along its length.
	Thermometer - *Deprecated*	An instrument that measures temperature.
	Ultraviolet Spectrometer - *Deprecated*	An instrument that measures the spectral distribution of ultraviolet radiation.
	Weather Station - *Deprecated*	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 - *Deprecated*	An instrument that mixes soil samples with solutions to measure material properties such as pH, conductivity, oxidation-reduction potential, etc.
	X-ray Detector - *Deprecated*	An instrument that detects and/or measures X-rays.
	X-ray Diffraction Spectrometer - *Deprecated*	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 - *Deprecated*	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

Name: type	Version Id: 1.0.0.0		
<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 "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

Name: type			Version Id: 1.0.0.0
<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 http://en.wikipedia.org/wiki/Outer_space).	

type in Investigation

Name: type			Version Id: 1.0.0.0
<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.	
	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	

Name: type		Version Id: 1.0.0.0
		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

Name: type		Version Id: 1.0.0.0	
<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 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	

Name: type		Version Id: 1.0.0.0
		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

Name: type			Version Id: 1.0.0.0
<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>	
	Airborne	The physical object that transports a platform by or through air.	
	Aircraft	An airborne observatory carried on a powered, heavier than air vessel supporting observations, measurements, and scientific experiments during flight.	
	Artificial Illumination	The observing system component provides artificial illumination	
	Balloon	A balloon-borne observatory, typically consisting of a gondola structure carrying one or more telescopes and instruments, borne aloft by an unpowered or minimally powered lighter-than-atmosphere balloon for a limited observing period.	

Name: type		Version Id: 1.0.0.0
	Facility	The observing system component is a facility.
	Instrument	The observing system component is an instrument
	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
	Suborbital Rocket	A Suborbital Rocket is an instrument-carrying rocket designed to take measurements and perform scientific experiments during its sub-orbital flight.
	Telescope	The observing system component is a telescope

type in Primary_Result_Summary

Deprecated

Name: type *Deprecated*		Version Id: 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> 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>Nillable:</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

Name: type *Deprecated*		Version Id: 1.0.0.0
	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
	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

Name: type		Version Id: 1.0.0.0
<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>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Type
<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

Name: type		Version Id: 1.0.0.0	
<i>Description:</i> The type attribute classifies the Resource according to its function.			
<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

Name: type		Version Id: 1.0.0.0
<i>Description:</i> The type attribute classifies a target according to its size and properties.		

Attributes in the
common namespace.

Name: type			Version Id: 1.0.0.0
<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
<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 - *Deprecated*	The Target is classified as calibration	
	Calibration Field	This type indicates a star field observed to be used for calibration purposes. Typically, this will correspond to a field defined in a published work like the Landolt photometric catalog.	
	Calibrator	This type indicates a piece of equipment specifically designed to generate a signal to be used for 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	
	Exoplanet System	This type indicates a target that is a star or stellar system (binary, trinary, etc.) with a known or suspected planetary system around it.	
	Galaxy	The target is classified as a galaxy	
	Globular Cluster - *Deprecated*	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 - *Deprecated*	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	This type indicates a target consisting of a primary body and its satellite(s), ring(s), or similarly associated objects. For example: Saturn and its rings, Jupiter and its moons, etc.	
	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	

Name: type		Version Id: 1.0.0.0
	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

Name: type		Version Id: 1.0.0.0
<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>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Type
<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 - *Deprecated*	The Target is classified as calibration
	Calibration Field	This type indicates a star field observed to be used for calibration purposes. Typically, this will correspond to a field defined in a published work like the Landolt photometric catalog.
	Calibrator	This type indicates a piece of equipment specifically designed to generate a signal to be used for 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
	Exoplanet System	This type indicates a target that is a star or stellar system (binary, trinary, etc.) with a known or suspected planetary system around it.
	Galaxy	The target is classified as a galaxy
	Globular Cluster - *Deprecated*	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

Name: type		Version Id: 1.0.0.0
	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 - *Deprecated*	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	This type indicates a target consisting of a primary body and its satellite(s), ring(s), or similarly associated objects. For example: Saturn and its rings, Jupiter and its moons, etc.
	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

Name: type		Version Id: 1.0.0.0
<i>Description:</i> The type attribute provides a classification for the resource.		
Namespace Id: pds	Steward: pds	Class Name: Unit_Of_Measure
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	

type in Units_of_Acceleration

Name: type		Version Id: 1.0.0.0
<i>Description:</i> The type attribute classifies the units of acceleration according to the quantity (acceleration) being measured.		
Namespace Id: pds	Steward: pds	Class Name: Units_of_Acceleration
Type: ASCII_Short_String_Collapsed		
Minimum Value: None	Maximum Value: None	Minimum Characters: 1
		Maximum Characters: 255

Name: type			Version Id: 1.0.0.0
<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

Name: type			Version Id: 1.0.0.0
<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

Name: type			Version Id: 1.0.0.0
<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
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</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

Name: type			Version Id: 1.0.0.0
<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

Name: type			Version Id: 1.0.0.0
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</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

Name: type			Version Id: 1.0.0.0
<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

Name: type			Version Id: 1.0.0.0
<i>Description:</i> The type attribute classifies the units of current according to the quantity being measured (current).			
<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

Name: type			Version Id: 1.0.0.0
<i>Description:</i> The type attribute classifies the units of frame rate according to the quantity being measured (frame rate).			

Name: type			Version Id: 1.0.0.0
<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

Name: type			Version Id: 1.0.0.0
<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

Name: type			Version Id: 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 *Deprecated*

Name: type			Version Id: 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 *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>	
	Scale	Units_of_Map_Scale is classified as being of type Scale	

type in Units_of_Mass

Name: type			Version Id: 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

Name: type			Version Id: 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

Name: type			Version Id: 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

Name: type			Version Id: 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_Pixel_Resolution_Angular

Name: type			Version Id: 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_Pixel_Resolution_Angular	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</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>	
	Resolution	Units_of_Pixel_Resolution_Angular is classified as being of type Resolution.	

type in Units_of_Pixel_Resolution_Linear

Name: type			Version Id: 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_Pixel_Resolution_Linear	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</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>	
	Resolution	Units_of_Pixel_Resolution_Linear is classified as being of type Resolution	

type in Units_of_Pixel_Resolution_Map

Name: type			Version Id: 1.0.0.0
<i>Description:</i> The type attribute provides a classification for the resource.			
<i>Namespace Id:</i> pds	<i>Steward:</i> cart	<i>Class Name:</i> Units_of_Pixel_Resolution_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>Value</i>	<i>Value Meaning</i>	
	Resolution	Units_of_Pixel_Resolution_Map is classified as being of type Resolution.	

type in Units_of_Pixel_Scale_Angular

Name: type			Version Id: 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_Pixel_Scale_Angular	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</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>	
	Scale	Units_of_Pixel_Scale_Angular is classified as being of type Scale.	

type in Units_of_Pixel_Scale_Linear

Name: type			Version Id: 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_Pixel_Scale_Linear	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</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>	
	Scale	Units_of_Pixel_Scale_Linear is classified as being of type Scale.	

type in Units_of_Pixel_Scale_Map

Name: type			Version Id: 1.0.0.0
<i>Description:</i> The type attribute provides a classification for the resource.			
<i>Namespace Id:</i> pds	<i>Steward:</i> cart	<i>Class Name:</i> Units_of_Pixel_Scale_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>Value</i>	<i>Value Meaning</i>	
	Scale	Units_of_Pixel_Scale_Map is classified as being of type Scale.	

type in Units_of_Pressure

Name: type			Version Id: 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

Name: type			Version Id: 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

Name: type			Version Id: 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

Name: type			Version Id: 1.0.0.0
<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

Name: type			Version Id: 1.0.0.0
<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

Name: type			Version Id: 1.0.0.0
<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

Name: type			Version Id: 1.0.0.0
<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

Name: type			Version Id: 1.0.0.0
<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

Name: type			Version Id: 1.0.0.0
<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

Name: type			Version Id: 1.0.0.0
<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

Name: type			Version Id: 1.0.0.0
<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

Name: type			Version Id: 1.0.0.0
<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

Name: type			Version Id: 1.0.0.0
<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

Name: type			Version Id: 1.0.0.0
<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*

Name: unit *Deprecated*			Version Id: 1.0.0.0
<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

Name: unit			Version Id: 1.0.0.0
<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

Name: unit			Version Id: 1.0.0.0
<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

Name: unit			Version Id: 1.0.0.0
<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

Name: unit			Version Id: 1.0.0.0
<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
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</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_Delimited

Name: unit			Version Id: 1.0.0.0
<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

Attributes in the
common namespace.

Name: unit			Version Id: 1.0.0.0
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</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 Vector_Component

Name: unit			Version Id: 1.0.0.0
<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>	<i>No Values</i>		

unit_id in Unit_Of_Measure

Name: unit_id			Version Id: 1.0.0.0
<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>	<i>No Values</i>		

unit_id in Units_of_Acceleration

Name: unit_id			Version Id: 1.0.0.0
<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

Name: unit_id		Version Id: 1.0.0.0
Status: Active	Nillable: false	Pattern: None
Permissible Value(s)	Value	Value Meaning
	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

Name: unit_id		Version Id: 1.0.0.0
<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_Amount_Of_Substance
Minimum Value: None	Maximum Value: None	Minimum Characters: 1
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: ID
Status: Active	Nillable: false	Pattern: None
Permissible Value(s)	Value	Value Meaning
	mol	The abbreviated unit for Units_of_Amount_Of_Substance is mol

unit_id in Units_of_Angle

Name: unit_id		Version Id: 1.0.0.0
<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_Angle
Minimum Value: None	Maximum Value: None	Minimum Characters: 1
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: ID
Status: Active	Nillable: false	Pattern: None
Permissible Value(s)	Value	Value Meaning
	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
	mrad	The abbreviated unit for Units_of_Angle is mrad
	rad	The abbreviated unit for Units_of_Angle is rad

unit_id in Units_of_Angular_Velocity

Name: unit_id		Version Id: 1.0.0.0	
<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

Name: unit_id		Version Id: 1.0.0.0	
<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

Name: unit_id		Version Id: 1.0.0.0	
<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	

Attributes in the
common namespace.

Name: unit_id			Version Id: 1.0.0.0
<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

Name: unit_id			Version Id: 1.0.0.0
<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: ID</i>	<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

Name: unit_id			Version Id: 1.0.0.0
<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: ID</i>	<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

Name: unit_id			Version Id: 1.0.0.0
<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

Attributes in the
common namespace.

Name: unit_id			Version Id: 1.0.0.0
<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 (10-6 m)	
	mm	The abbreviated unit for Units_of_Length is mm (10-3 m)	
	nm	The abbreviated unit for Units_of_Length is nm (10-9 m)	

unit_id in Units_of_Map_Scale *Deprecated*

Name: unit_id			Version Id: 1.0.0.0
<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>*Deprecated*</i>	<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	
	pixel/deg	The abbreviated unit for Units_of_Map_Scale is pixel/deg	

unit_id in Units_of_Mass

Name: unit_id			Version Id: 1.0.0.0
<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.			

Name: unit_id			Version Id: 1.0.0.0
<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

Name: unit_id			Version Id: 1.0.0.0
<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

Name: unit_id			Version Id: 1.0.0.0
<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
<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

Name: unit_id		Version Id: 1.0.0.0	
<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_Pixel_Resolution_Angular

Name: unit_id		Version Id: 1.0.0.0	
<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_Pixel_Resolution_Angular	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</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>	
	arcsec/pixel	The abbreviated unit for Units_of_Pixel_Resolution_Angular is arcsec/pixel	
	deg/pixel	The abbreviated unit for Units_of_Pixel_Resolution_Angular is deg/pixel	
	radian/pixel	The abbreviated unit for Units_of_Pixel_Resolution_Angular is radian/pixel	

unit_id in Units_of_Pixel_Resolution_Linear

Name: unit_id		Version Id: 1.0.0.0	
<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_Pixel_Resolution_Linear	<i>Type:</i> ASCII_Short_String_Collapsed

Name: unit_id			Version Id: 1.0.0.0
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</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>	
	km/pixel	The abbreviated unit for Units_of_Pixel_Resolution_Linear is km/pixel	
	m/pixel	The abbreviated unit for Units_of_Pixel_Resolution_Linear is m/pixel	
	mm/pixel	The abbreviated unit for Units_of_Pixel_Resolution_Linear is mm/pixel	

unit_id in Units_of_Pixel_Resolution_Map

Name: unit_id			Version Id: 1.0.0.0
<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> cart	<i>Class Name:</i> Units_of_Pixel_Resolution_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>Value</i>	<i>Value Meaning</i>	
	deg/pixel	The abbreviated unit for Units_of_Pixel_Resolution_Map is deg/pixel where 'deg' is interpreted as a surface distance measured in degrees of latitude or longitude	
	km/pixel	The abbreviated unit for Units_of_Pixel_Resolution_Map is km/pixel	
	m/pixel	The abbreviated unit for Units_of_Pixel_Resolution_Map is m/pixel	
	mm/pixel	The abbreviated unit for Units_of_Pixel_Resolution_Map is mm/pixel	

unit_id in Units_of_Pixel_Scale_Angular

Name: unit_id			Version Id: 1.0.0.0
<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_Pixel_Scale_Angular	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255

Name: unit_id			Version Id: 1.0.0.0
<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>	
	pixel/arcsec	The abbreviated unit for Units_of_Pixel_Scale_Angular is pixel/arcsec	
	pixel/deg	The abbreviated unit for Units_of_Pixel_Scale_Angular is pixel/deg	
	pixel/radian	The abbreviated unit for Units_of_Pixel_Scale_Angular is pixel/radian	

unit_id in Units_of_Pixel_Scale_Linear

Name: unit_id			Version Id: 1.0.0.0
<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_Pixel_Scale_Linear	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</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>	
	pixel/km	The abbreviated unit for Units_of_Pixel_Scale_Linear is pixel/km	
	pixel/m	The abbreviated unit for Units_of_Pixel_Scale_Linear is pixel/m	
	pixel/mm	The abbreviated unit for Units_of_Pixel_Scale_Linear is pixel/mm	

unit_id in Units_of_Pixel_Scale_Map

Name: unit_id			Version Id: 1.0.0.0
<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> cart	<i>Class Name:</i> Units_of_Pixel_Scale_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>Value</i>	<i>Value Meaning</i>	
	pixel/deg	The abbreviated unit for Units_of_Pixel_Scale_Map is pixel/deg	

Attributes in the
common namespace.

Name: unit_id		Version Id: 1.0.0.0
		where 'deg' is interpreted as a surface distance measured in degrees of latitude or longitude

unit_id in Units_of_Pressure

Name: unit_id		Version Id: 1.0.0.0	
<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_Pressure	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	
	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

Name: unit_id		Version Id: 1.0.0.0	
<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.			
Namespace Id: pds	Steward: pds	Class Name: Units_of_Radiance	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	
	$W*m^{**-2}*sr^{**-1} - *Deprecated*$	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

Name: unit_id		Version Id: 1.0.0.0
<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.		

Name: unit_id			Version Id: 1.0.0.0
<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

Name: unit_id			Version Id: 1.0.0.0
<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
<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	The abbreviated unit for Units_of_Solid_Angle is sr

unit_id in Units_of_Spectral_Irradiance

Name: unit_id			Version Id: 1.0.0.0
<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_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>
		SFU - *Deprecated*	The abbreviated unit for Units_of_Spectral_Irradiance is SFU

Name: unit_id		Version Id: 1.0.0.0
	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

Name: unit_id		Version Id: 1.0.0.0
<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_Spectral_Radiance
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</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

Name: unit_id		Version Id: 1.0.0.0
	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**-1 *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

Name: unit_id		Version Id: 1.0.0.0
<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_Storage
Minimum Value: None	Maximum Value: None	Minimum Characters: 1
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: ID
Status: Active	Nillable: false	Pattern: None
Permissible Value(s)	Value	Value Meaning
	byte	The abbreviated unit of Units_of_Storage is byte

unit_id in Units_of_Temperature

Name: unit_id		Version Id: 1.0.0.0
<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_Temperature
Minimum Value: None	Maximum Value: None	Minimum Characters: 1
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: ID
Status: Active	Nillable: false	Pattern: None
Permissible Value(s)	Value	Value Meaning
	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

Name: unit_id		Version Id: 1.0.0.0	
<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

Name: unit_id		Version Id: 1.0.0.0	
<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

Name: unit_id		Version Id: 1.0.0.0	
<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

Name: unit_id		Version Id: 1.0.0.0	
<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
<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

Name: unit_id		Version Id: 1.0.0.0	
<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>

Name: unit_id		Version Id: 1.0.0.0
	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

Name: unit_of_measure_type		Version Id: 1.0.0.0
<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>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Type
<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_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

Name: unit_of_measure_type		Version Id: 1.0.0.0
	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_Pixel_Resolution_Angular	The attribute being defined uses one of the values of unit_id listed in class Units_of_Pixel_Resolution_Angular
	Units_of_Pixel_Resolution_Linear	The attribute being defined uses one of the values of unit_id listed in class Units_of_Pixel_Resolution_Linear
	Units_of_Pixel_Scale_Angular	The attribute being defined uses one of the values of unit_id listed in class Units_of_Pixel_Scale_Angular
	Units_of_Pixel_Scale_Linear	The attribute being defined uses one of the values of unit_id listed in class Units_of_Pixel_Scale_Linear
	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
	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

Name: unit_of_measure_type		Version Id: 1.0.0.0
	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

Name: unit_of_measure_type		Version Id: 1.0.0.0
<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>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Type
<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_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_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
	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

Name: unit_of_measure_type		Version Id: 1.0.0.0
	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_Pixel_Resolution_Angular	The attribute being defined uses one of the values of unit_id listed in class Units_of_Pixel_Resolution_Angular
	Units_of_Pixel_Resolution_Linear	The attribute being defined uses one of the values of unit_id listed in class Units_of_Pixel_Resolution_Linear
	Units_of_Pixel_Scale_Angular	The attribute being defined uses one of the values of unit_id listed in class Units_of_Pixel_Scale_Angular
	Units_of_Pixel_Scale_Linear	The attribute being defined uses one of the values of unit_id listed in class Units_of_Pixel_Scale_Linear
	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

Name: unknown_constant			Version Id: 1.0.0.0
<i>Description:</i> The unknown_constant attribute provides a value that indicates the original value was unknown.			
<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 *Deprecated* *Deprecated*

Name: update_purpose *Deprecated*			Version Id: 1.0.0.0
<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 *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> Deprecated	<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

Name: url			Version Id: 1.0.0.0
<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

Name: url			Version Id: 1.0.0.0
<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
<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 Service

Name: url			Version Id: 1.0.0.0
<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>	<i>No Values</i>		

users_manual_id in Software

Name: users_manual_id			Version Id: 1.0.0.0
<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>	<i>No Values</i>		

valid_maximum in Special_Constants

Name: valid_maximum			Version Id: 1.0.0.0
<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			

Name: valid_maximum			Version Id: 1.0.0.0
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
<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>		<i>No Values</i>	

valid_minimum in Special_Constants

Name: valid_minimum			Version Id: 1.0.0.0
<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>		<i>No Values</i>	

value in DD_Permissible_Value

Name: value			Version Id: 1.0.0.0
<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>		<i>No Values</i>	

value in DD_Permissible_Value_Full

Name: value			Version Id: 1.0.0.0
<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

Name: value			Version Id: 1.0.0.0
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</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>		

value in Quaternion_Component

Name: value			Version Id: 1.0.0.0
<i>Description:</i> The value attribute provides a single, allowed numerical or character string value.			
<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> 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>		

value in Vector_Component

Name: value			Version Id: 1.0.0.0
<i>Description:</i> The value attribute provides a single, allowed numerical or character string value.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Vector_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> 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>		

value_begin_date in DD_Permissible_Value_Full

Name: value_begin_date			Version Id: 1.0.0.0
<i>Description:</i> The value_begin_date attribute provides the first 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

Name: value_begin_date			Version Id: 1.0.0.0
<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_data_type in DD_Value_Domain

Name: value_data_type			Version Id: 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	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</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	

Name: value_data_type		Version Id: 1.0.0.0
	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
	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

Name: value_data_type		Version Id: 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
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</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	

Name: value_data_type		Version Id: 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

value_end_date in DD_Permissible_Value_Full

Name: value_end_date	Version Id: 1.0.0.0		
<i>Description:</i> The value_end_date attribute provides the last date on which the permissible value is in effect.			
Namespace Id: pds	Steward: ops	Class Name: DD_Permissible_Value_Full	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		

value_meaning in DD_Permissible_Value

Name: value_meaning			Version Id: 1.0.0.0
<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
<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>		

value_meaning in DD_Permissible_Value_Full

Name: value_meaning			Version Id: 1.0.0.0
<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>	<i>No Values</i>		

value_offset in Band_Bin *Deprecated*

Name: value_offset			Version Id: 1.0.0.0
<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> -1.7976931348623157e308	<i>Maximum Value:</i> 9.2233720368547758e308	<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> [-+]?[0-9]+(\.[0-9]+)?([eE][-+]?[0-9]+)?	
<i>Permissible Value(s)</i>	<i>No Values</i>		

value_offset in Element_Array

Name: value_offset			Version Id: 1.0.0.0
<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
<i>Minimum Value:</i> -1.7976931348623157e308976931348623157e30	<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> [-]?[0-9]+(?:[0-9]+)?([eE][-+]?[0-9]+)?	
<i>Permissible Value(s)</i>	<i>No Values</i>		

value_offset in Field_Binary

Name: value_offset			Version Id: 1.0.0.0
<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> -1.7976931348623157e308976931348623157e30	<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> [-]?[0-9]+(?:[0-9]+)?([eE][-+]?[0-9]+)?	
<i>Permissible Value(s)</i>	<i>No Values</i>		

value_offset in Field_Bit

Name: value_offset			Version Id: 1.0.0.0
<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> -1.7976931348623157e308976931348623157e30	<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> [-]?[0-9]+(?:[0-9]+)?([eE][-+]?[0-9]+)?	
<i>Permissible Value(s)</i>	<i>No Values</i>		

value_offset in Field_Character

Name: value_offset			Version Id: 1.0.0.0
<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> -1.7976931348623157e308976931348623157e30	<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> [-]?[0-9]+(?:[0-9]+)?([eE][-+]?[0-9]+)?	
<i>Permissible Value(s)</i>	<i>No Values</i>		

value_offset in Field_Delimited

Name: value_offset			Version Id: 1.0.0.0
<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> -1.7976931348623157e308976931348623157e30	<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> [-]?[0-9]+(?:[0-9]+)?([eE][-+]?[0-9]+)?	
<i>Permissible Value(s)</i>	<i>No Values</i>		

vector_components in Vector

Name: vector_components			Version Id: 1.0.0.0
<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> -9223372036854775808	<i>Maximum Value:</i> 9223372036854775807	<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>		

version_id in DD_Attribute

Name: version_id		Version Id: 1.0.0.0	
<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>		<i>No Values</i>	

version_id in DD_Attribute_Full

Name: version_id		Version Id: 1.0.0.0	
<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>Nillable:</i> false	<i>Pattern:</i> ([0-9]+)(\.){1}([0-9]+)	
<i>Permissible Value(s)</i>		<i>No Values</i>	

version_id in DD_Class

Name: version_id		Version Id: 1.0.0.0	
<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>Nillable:</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

Name: version_id		Version Id: 1.0.0.0	
<i>Description:</i> The version_id attribute provides the version of the product, expressed in the PDS [m.n] notation.			

Attributes in the
common namespace.

Name: version_id			Version Id: 1.0.0.0
<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> ([0-9]+)(\.){1}([0-9]+)	
<i>Permissible Value(s)</i>		<i>No Values</i>	

version_id in Identification_Area

Name: version_id			Version Id: 1.0.0.0
<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> 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> ([0-9]+)(\.){1}([0-9]+)	
<i>Permissible Value(s)</i>		<i>No Values</i>	

version_id in Instrument_Host *Deprecated*

Name: version_id *Deprecated*			Version Id: 1.0.0.0
<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> 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> 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>		<i>No Values</i>	

version_id in Modification_Detail

Name: version_id			Version Id: 1.0.0.0
<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> pds	<i>Class Name:</i> Modification_Detail	<i>Type:</i> 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 namespace.

Name: version_id			Version Id: 1.0.0.0
<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>	<i>No Values</i>		

version_id in Service

Name: version_id			Version Id: 1.0.0.0
<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> 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>		

version_id in Software *Deprecated*

Name: version_id *Deprecated*			Version Id: 1.0.0.0
<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>	<i>No Values</i>		

volume_de_fullname in Volume_PDS3

Name: volume_de_fullname			Version Id: 1.0.0.0
<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>	<i>No Values</i>		

volume_format in Volume_PDS3

Name: volume_format		Version Id: 1.0.0.0	
<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>		<i>No Values</i>	

volume_id in Volume_PDS3

Name: volume_id		Version Id: 1.0.0.0	
<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

Name: volume_name		Version Id: 1.0.0.0	
<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

Name: volume_series_name		Version Id: 1.0.0.0
<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.		

Name: volume_series_name			Version Id: 1.0.0.0
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

Name: volume_set_id			Version Id: 1.0.0.0
<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

Name: volume_set_id			Version Id: 1.0.0.0
<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

Name: volume_set_name			Version Id: 1.0.0.0
<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.			

Name: volume_set_name			Version Id: 1.0.0.0
<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

Name: volume_size			Version Id: 1.0.0.0
<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> 0	<i>Maximum Value:</i> 18446744073709551615	<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> [0-9]+	
<i>Permissible Value(s)</i>	<i>No Values</i>		

volume_version_id in Volume_PDS3

Name: volume_version_id			Version Id: 1.0.0.0
<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

Name: volumes			Version Id: 1.0.0.0
<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_NonNegative_Integer
<i>Minimum Value:</i> 0	<i>Maximum Value:</i> 18446744073709551615	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None

Name: volumes			Version Id: 1.0.0.0
<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> [0-9]+	
<i>Permissible Value(s)</i>	<i>No Values</i>		

wavelength_range in Science_Facets

Name: wavelength_range			Version Id: 1.0.0.0
<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.			
<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

Name: x	Version Id: 1.0.0.0
<i>Description:</i> The x attribute provides the value of the x coordinate in a position vector.	

Name: x			Version Id: 1.0.0.0
<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> -1.7976931348623157e308	<i>Maximum Value:</i> 1.7976931348623157e308	<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> [-+]?[0-9]+(\.[0-9]?)?([eE][-+]?[0-9]?)?	
<i>Permissible Value(s)</i>	<i>No Values</i>		

xml_schema_base_type in ASCII_AnyURI

Name: xml_schema_base_type			Version Id: 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

Name: xml_schema_base_type			Version Id: 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

Name: xml_schema_base_type			Version Id: 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

Name: xml_schema_base_type			Version Id: 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

Name: xml_schema_base_type			Version Id: 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>	

Attributes in the common namespace.

Name: xml_schema_base_type		Version Id: 1.0.0.0
	xsd:string	ASCII_Date_Day has an XML schema base type of xsd:string

xml_schema_base_type in ASCII_Date_Time *Deprecated*

Name: xml_schema_base_type		Version Id: 1.0.0.0	
<i>Description:</i> The xml schema base type attribute provides the data type needed for the XML schema implementation.			
Namespace Id: pds	Steward: ops	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: Type	Conceptual Domain: Short_String
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	Value	Value Meaning	
	xsd:string	ASCII_Date_Time has an XML schema base type of xsd:string	

xml_schema_base_type in ASCII_Date_Time_Day

Name: xml_schema_base_type		Version Id: 1.0.0.0	
<i>Description:</i> The xml schema base type attribute provides the data type needed for the XML schema implementation.			
Namespace Id: pds	Steward: ops	Class Name: ASCII_Date_Time_Day	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	
	xsd:string	ASCII_Date_Time_Day has an XML schema base type of xsd:string	

xml_schema_base_type in ASCII_Date_Time_Day_UTC

Name: xml_schema_base_type		Version Id: 1.0.0.0
<i>Description:</i> The xml schema base type attribute provides the data type needed for the XML schema implementation.		

Attributes in the
common namespace.

Name: xml_schema_base_type			Version Id: 1.0.0.0
<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*

Name: xml_schema_base_type			Version Id: 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

Name: xml_schema_base_type			Version Id: 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>	

Attributes in the common namespace.

Name: xml_schema_base_type		Version Id: 1.0.0.0
	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

Name: xml_schema_base_type		Version Id: 1.0.0.0
<i>Description:</i> The xml schema base type attribute provides the data type needed for the XML schema implementation.		
Namespace Id: pds	Steward: pds	Class Name: ASCII_Date_Time_YMD_UTC 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
	xsd:string	ASCII_Date_Time_YMD_UTC has an XML schema base type of xsd:string

xml_schema_base_type in ASCII_Date_YMD

Name: xml_schema_base_type		Version Id: 1.0.0.0
<i>Description:</i> The xml schema base type attribute provides the data type needed for the XML schema implementation.		
Namespace Id: pds	Steward: ops	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: Type Conceptual Domain: Short_String
Status: Active	Nillable: false	Pattern: None
Permissible Value(s)	Value	Value Meaning
	xsd:string	ASCII_Date_YMD has an XML schema base type of xsd:string

xml_schema_base_type in ASCII_Directory_Path_Name

Name: xml_schema_base_type		Version Id: 1.0.0.0
<i>Description:</i> The xml schema base type attribute provides the data type needed for the XML schema implementation.		
Namespace Id: pds	Steward: ops	Class Name: ASCII_Directory_Path_Name Type: ASCII_Short_String_Collapsed

Attributes in the
common namespace.

Name: xml_schema_base_type			Version Id: 1.0.0.0
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</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

Name: xml_schema_base_type			Version Id: 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

Name: xml_schema_base_type			Version Id: 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

Name: xml_schema_base_type		Version Id: 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	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	xsd:long	ASCII_Integer has an XML schema base type of xsd:long	

xml_schema_base_type in ASCII_LID

Name: xml_schema_base_type		Version Id: 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

Name: xml_schema_base_type		Version Id: 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

Name: xml_schema_base_type		Version Id: 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
<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_Local_Identifier

Name: xml_schema_base_type		Version Id: 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_Local_Identifier	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</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:ID	ASCII_Local_Identifier has an XML schema base type of xsd:ID	

xml_schema_base_type in ASCII_Local_Identifier_Reference

Name: xml_schema_base_type		Version Id: 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_Local_Identifier_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

Name: xml_schema_base_type			Version Id: 1.0.0.0
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	Value	Value Meaning	
	xsd:IDREF	ASCII_Local_Identifier_Reference has an XML schema base type of xsd:IDREF	

xml_schema_base_type in ASCII_MD5_Checksum

Name: xml_schema_base_type			Version Id: 1.0.0.0
<i>Description:</i> The xml schema base type attribute provides the data type needed for the XML schema implementation.			
Namespace Id: pds	Steward: ops	Class Name: ASCII_MD5_Checksum	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	
	xsd:string	ASCII_MD5_Checksum has an XML schema base type xsd:string	

xml_schema_base_type in ASCII_NonNegative_Integer

Name: xml_schema_base_type			Version Id: 1.0.0.0
<i>Description:</i> The xml schema base type attribute provides the data type needed for the XML schema implementation.			
Namespace Id: pds	Steward: ops	Class Name: ASCII_NonNegative_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: Type	Conceptual Domain: Short_String
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	Value	Value Meaning	
	xsd:unsignedLong	ASCII_NonNegative_Integer has an XML schema base type of xsd:unsignedLong	

xml_schema_base_type in ASCII_Numeric_Base16

Name: xml_schema_base_type		Version Id: 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

Name: xml_schema_base_type		Version Id: 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

Name: xml_schema_base_type		Version Id: 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

Name: xml_schema_base_type			Version Id: 1.0.0.0
<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

Name: xml_schema_base_type			Version Id: 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_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

Name: xml_schema_base_type			Version Id: 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_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

Name: xml_schema_base_type		Version Id: 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

Name: xml_schema_base_type		Version Id: 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

Name: xml_schema_base_type		Version Id: 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

Name: xml_schema_base_type			Version Id: 1.0.0.0
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	Value	Value Meaning	
	xsd:token	ASCII_Text_Collapsed has an XML schema base type of xsd:token	

xml_schema_base_type in ASCII_Text_Preserved

Name: xml_schema_base_type			Version Id: 1.0.0.0
<i>Description:</i> The xml schema base type attribute provides the data type needed for the XML schema implementation.			
Namespace Id: pds	Steward: ops	Class Name: ASCII_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: Type	Conceptual Domain: Short_String
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	Value	Value Meaning	
	xsd:string	ASCII_Text_Preserved has an XML schema base type of xsd:token	

xml_schema_base_type in ASCII_Time

Name: xml_schema_base_type			Version Id: 1.0.0.0
<i>Description:</i> The xml schema base type attribute provides the data type needed for the XML schema implementation.			
Namespace Id: pds	Steward: ops	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: Type	Conceptual Domain: Short_String
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	Value	Value Meaning	
	xsd:string	ASCII_Time has an XML schema base type of xsd:string	

xml_schema_base_type in ASCII_VID

Name: xml_schema_base_type			Version Id: 1.0.0.0
<i>Description:</i> The xml schema base type attribute provides the data type needed for the XML schema implementation.			
Namespace Id: pds	Steward: ops	Class Name: ASCII_VID	Type: ASCII_Short_String_Collapsed

Name: xml_schema_base_type			Version Id: 1.0.0.0
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</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

Name: xml_schema_base_type			Version Id: 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> 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

Name: xml_schema_base_type			Version Id: 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_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

Name: xml_schema_base_type			Version Id: 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 Meaning</i>	
	xsd:string	UTF8_Short_String_Preserved has an XML schema base type of xsd:string	

xml_schema_base_type in UTF8_String

Name: xml_schema_base_type			Version Id: 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 Meaning</i>	
	xsd:token	UTF8_String must be normalized.	

xml_schema_base_type in UTF8_Text_Preserved

Name: xml_schema_base_type			Version Id: 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	

Name: xml_schema_base_type		Version Id: 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

Name: y		Version Id: 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>Minimum Value:</i> -1.7976931348623157e3087976931348623157e30	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Number
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> [-]?[0-9]+(\.? [0-9]+)?([eE][-+]?[0-9]+)?
<i>Permissible Value(s)</i>	<i>No Values</i>	

z in Vector_Cartesian_3

Name: z		Version Id: 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>Minimum Value:</i> -1.7976931348623157e3087976931348623157e30	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Number
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> [-]?[0-9]+(\.? [0-9]+)?([eE][-+]?[0-9]+)?
<i>Permissible Value(s)</i>	<i>No Values</i>	

Chapter 10. Attributes in the Rings discipline namespace.

These attributes are used by the classes defined for the Rings namespace.

along_track_timing_offset in Occultation_Ring_Profile

Name: along_track_timing_offset		Version Id: 1.0.0.0	
<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'.			
Namespace Id: rings	Steward: rings	Class Name: Occultation_Ring_Profile	Type: ASCII_Real
Minimum Value: -1.7976931348623157e30	Maximum Value: 87976931348623157e30	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: true	Pattern: [-]?[0-9]+(\.[0-9]+)?([eE][-+]?[0-9]+)?	
Permissible Value(s)	No Values		

along_track_timing_offset in Occultation_Time_Series

Name: along_track_timing_offset		Version Id: 1.0.0.0	
<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'.			
Namespace Id: rings	Steward: rings	Class Name: Occultation_Time_Series	Type: ASCII_Real
Minimum Value: -1.7976931348623157e30	Maximum Value: 87976931348623157e30	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: true	Pattern: [-]?[0-9]+(\.[0-9]+)?([eE][-+]?[0-9]+)?	
Permissible Value(s)	No Values		

dsn_station_number in Occultation_Ring_Profile

Name: dsn_station_number		Version Id: 1.0.0.0	
<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> Occultation_Ring_Profile	<i>Type:</i> ASCII_Integer
<i>Minimum Value:</i> -9223372036854775808	<i>Maximum Value:</i> 9223372036854775807	<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>	

dsn_station_number in Occultation_Supplement

Name: dsn_station_number		Version Id: 1.0.0.0	
<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> Occultation_Supplement	<i>Type:</i> ASCII_Integer
<i>Minimum Value:</i> -9223372036854775808	<i>Maximum Value:</i> 9223372036854775807	<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>	

dsn_station_number in Occultation_Time_Series

Name: dsn_station_number		Version Id: 1.0.0.0	
<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> Occultation_Time_Series	<i>Type:</i> ASCII_Integer
<i>Minimum Value:</i> -9223372036854775808	<i>Maximum Value:</i> 9223372036854775807	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None

Name: dsn_station_number			Version Id: 1.0.0.0
<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>		

earth_received_start_time_utc in Occultation_Ring_Profile

Name: earth_received_start_time_utc			Version Id: 1.0.0.0
<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.			
<i>Namespace Id:</i> rings	<i>Steward:</i> rings	<i>Class Name:</i> Occultation_Ring_Profile	<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> Time
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

earth_received_start_time_utc in Occultation_Time_Series

Name: earth_received_start_time_utc			Version Id: 1.0.0.0
<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.			
<i>Namespace Id:</i> rings	<i>Steward:</i> rings	<i>Class Name:</i> Occultation_Time_Series	<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> Time
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

earth_received_stop_time_utc in Occultation_Ring_Profile

Name: earth_received_stop_time_utc			Version Id: 1.0.0.0
<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.			
<i>Namespace Id:</i> rings	<i>Steward:</i> rings	<i>Class Name:</i> Occultation_Ring_Profile	<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> Time
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>		<i>No Values</i>	

earth_received_stop_time_utc in Occultation_Time_Series

Name: earth_received_stop_time_utc			Version Id: 1.0.0.0
<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.			
<i>Namespace Id:</i> rings	<i>Steward:</i> rings	<i>Class Name:</i> Occultation_Time_Series	<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> Time
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>		<i>No Values</i>	

frequency_band in Occultation_Ring_Profile

Name: frequency_band			Version Id: 1.0.0.0
<i>Description:</i> The frequency_band attribute provides the one or two letter identifier for the frequency band associated with radio occultation data. Required in labels for radio occultations; not used for stellar occultations.			
<i>Namespace Id:</i> rings	<i>Steward:</i> rings	<i>Class Name:</i> Occultation_Ring_Profile	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</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

Name: frequency_band			Version Id: 1.0.0.0
<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 Occultation_Supplement

Name: frequency_band			Version Id: 1.0.0.0
<i>Description:</i> The frequency_band attribute provides the one or two letter identifier for the frequency band associated with radio occultation data. Required in labels for radio occultations; not used for stellar occultations.			
<i>Namespace Id:</i> rings	<i>Steward:</i> rings	<i>Class Name:</i> Occultation_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>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	

Name: frequency_band		Version Id: 1.0.0.0
	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 Occultation_Time_Series

Name: frequency_band		Version Id: 1.0.0.0
<i>Description:</i> The frequency_band attribute provides the one or two letter identifier for the frequency band associated with radio occultation data. Required in labels for radio occultations; not used for stellar occultations.		
<i>Namespace Id:</i> rings	<i>Steward:</i> rings	<i>Class Name:</i> Occultation_Time_ Series
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</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 Occultation_Ring_Profile

Name: highest_detectable_opacity		Version Id: 1.0.0.0	
<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. Not intended as a value for a table field.			
<i>Namespace Id:</i> rings	<i>Steward:</i> rings	<i>Class Name:</i> Occultation_Ring_Profile	
<i>Minimum Value:</i> -1.7976931348623157e30	<i>Maximum Value:</i> 087976931348623157e30	<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> [-]?[0-9]+(\.? [0-9]+)?([eE][-+]?[0-9]+)?	
<i>Permissible Value(s)</i>	<i>No Values</i>		

highest_detectable_opacity in Occultation_Time_Series

Name: highest_detectable_opacity		Version Id: 1.0.0.0	
<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. Not intended as a value for a table field.			
<i>Namespace Id:</i> rings	<i>Steward:</i> rings	<i>Class Name:</i> Occultation_Time_Series	
<i>Minimum Value:</i> -1.7976931348623157e30	<i>Maximum Value:</i> 087976931348623157e30	<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> [-]?[0-9]+(\.? [0-9]+)?([eE][-+]?[0-9]+)?	
<i>Permissible Value(s)</i>	<i>No Values</i>		

light_source_incidence_angle in Occultation_Ring_Profile

Name: light_source_incidence_angle		Version Id: 1.0.0.0
<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		

Name: light_source_incidence_angle		Version Id: 1.0.0.0
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.		
<i>Namespace Id:</i> rings	<i>Steward:</i> rings	<i>Class Name:</i> Occultation_Ring_Profile
<i>Minimum Value:</i> -90	<i>Maximum Value:</i> 90	<i>Minimum Characters:</i> None
<i>Unit of Measure Type:</i> Units_of_Angle	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> [-+]?[0-9]+(\.[0-9]+)?([eE][-+]?[0-9]+)?
<i>Permissible Value(s)</i>	<i>No Values</i>	

light_source_incidence_angle in Occultation_Time_Series

Name: light_source_incidence_angle		Version Id: 1.0.0.0
<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.		
<i>Namespace Id:</i> rings	<i>Steward:</i> rings	<i>Class Name:</i> Occultation_Time_Series
<i>Minimum Value:</i> -90	<i>Maximum Value:</i> 90	<i>Minimum Characters:</i> None
<i>Unit of Measure Type:</i> Units_of_Angle	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> [-+]?[0-9]+(\.[0-9]+)?([eE][-+]?[0-9]+)?
<i>Permissible Value(s)</i>	<i>No Values</i>	

lowest_detectable_opacity in Occultation_Ring_Profile

Name: lowest_detectable_opacity		Version Id: 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. Not intended as a value for a table field.		
<i>Namespace Id:</i> rings	<i>Steward:</i> rings	<i>Class Name:</i> Occultation_Ring_Profile
<i>Minimum Value:</i> -1.7976931348623157e30	<i>Maximum Value:</i> 8976931348623157e30	<i>Minimum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> [-]?[0-9]+(\.[0-9]+)?([eE][-+]?[0-9]+)?
<i>Permissible Value(s)</i>		<i>No Values</i>

lowest_detectable_opacity in Occultation_Time_Series

Name: lowest_detectable_opacity		Version Id: 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. Not intended as a value for a table field.		
<i>Namespace Id:</i> rings	<i>Steward:</i> rings	<i>Class Name:</i> Occultation_Time_Series
<i>Minimum Value:</i> -1.7976931348623157e30	<i>Maximum Value:</i> 8976931348623157e30	<i>Minimum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> [-]?[0-9]+(\.[0-9]+)?([eE][-+]?[0-9]+)?
<i>Permissible Value(s)</i>		<i>No Values</i>

maximum_light_source_incidence_angle in Occultation_Ring_Profile

Name: maximum_light_source_incidence_angle		Version Id: 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.		

Name: maximum_light_source_incidence_angle			Version Id: 1.0.0.0
<i>Namespace Id:</i> rings	<i>Steward:</i> rings	<i>Class Name:</i> Occultation_Ring_Profile	<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> Real
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> [-+]?[0-9]+(\.? [0-9]+)?([eE][-+]?[0-9]+)?	
<i>Permissible Value(s)</i>	<i>No Values</i>		

maximum_light_source_incidence_angle in Occultation_Time_Series

Name: maximum_light_source_incidence_angle			Version Id: 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.			
<i>Namespace Id:</i> rings	<i>Steward:</i> rings	<i>Class Name:</i> Occultation_Time_Series	<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> Real
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> [-+]?[0-9]+(\.? [0-9]+)?([eE][-+]?[0-9]+)?	
<i>Permissible Value(s)</i>	<i>No Values</i>		

maximum_observed_event_time in Occultation_Ring_Profile

Name: maximum_observed_event_time			Version Id: 1.0.0.0
<i>Description:</i> maximum_observed_event_time gives the largest value for observed_event_time in the associated data file. It is given in numeric seconds as an offset from the specified UTC reference time. maximum_observed_event_time is optional in labels since the data file time interval end point values are given by the required start_date_time_utc and stop_date_time_utc attributes in the Time_Coordinates class.			
<i>Namespace Id:</i> rings	<i>Steward:</i> rings	<i>Class Name:</i> Occultation_Ring_Profile	<i>Type:</i> ASCII_Real
<i>Minimum Value:</i> -1.7976931348623157e3087976931348623157e30	<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> [-+]?[0-9]+(\.? [0-9]+)?([eE][-+]?[0-9]+)?	

Name: maximum_observed_event_time	Version Id: 1.0.0.0
Permissible Value(s)	No Values

maximum_observed_event_time in Occultation_Supplement

Name: maximum_observed_event_time	Version Id: 1.0.0.0		
<i>Description:</i> maximum_observed_event_time gives the largest value for observed_event_time in the associated data file. It is given in numeric seconds as an offset from the specified UTC reference time. maximum_observed_event_time is optional in labels since the data file time interval end point values are given by the required start_date_time_utc and stop_date_time_utc attributes in the Time_Coordinates class.			
Namespace Id: rings	Steward: rings	Class Name: Occultation_Supplement	Type: ASCII_Real
Minimum Value: -1.7976931348623157e30	Maximum Value: 8976931348623157e30	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: [-]?[0-9]+(\.[0-9]+)?([eE][-+]?[0-9]+)?	
Permissible Value(s)	No Values		

maximum_observed_event_time in Occultation_Time_Series

Name: maximum_observed_event_time	Version Id: 1.0.0.0		
<i>Description:</i> maximum_observed_event_time gives the largest value for observed_event_time in the associated data file. It is given in numeric seconds as an offset from the specified UTC reference time. maximum_observed_event_time is optional in labels since the data file time interval end point values are given by the required start_date_time_utc and stop_date_time_utc attributes in the Time_Coordinates class.			
Namespace Id: rings	Steward: rings	Class Name: Occultation_Time_Series	Type: ASCII_Real
Minimum Value: -1.7976931348623157e30	Maximum Value: 8976931348623157e30	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: [-]?[0-9]+(\.[0-9]+)?([eE][-+]?[0-9]+)?	
Permissible Value(s)	No Values		

maximum_observed_ring_azimuth in Occultation_Ring_Profile

Name: maximum_observed_ring_azimuth		Version Id: 1.0.0.0	
<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.			
<i>Namespace Id:</i> rings	<i>Steward:</i> rings	<i>Class Name:</i> Occultation_Ring_Profile	<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> [-]?[0-9]+(\.? [0-9]+)?([eE][-+]?[0-9]+)?	
<i>Permissible Value(s)</i>	<i>No Values</i>		

maximum_observed_ring_azimuth in Occultation_Time_Series

Name: maximum_observed_ring_azimuth		Version Id: 1.0.0.0	
<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.			
<i>Namespace Id:</i> rings	<i>Steward:</i> rings	<i>Class Name:</i> Occultation_Time_Series	<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> [-]?[0-9]+(\.? [0-9]+)?([eE][-+]?[0-9]+)?	
<i>Permissible Value(s)</i>	<i>No Values</i>		

maximum_observed_ring_elevation in Occultation_Ring_Profile

Name: maximum_observed_ring_elevation		Version Id: 1.0.0.0	
<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.			
<i>Namespace Id:</i> rings	<i>Steward:</i> rings	<i>Class Name:</i> Occultation_Ring_Profile	<i>Type:</i> ASCII_Real

Name: maximum_observed_ring_elevation			Version Id: 1.0.0.0
<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> [-+]?[0-9]+(\.? [0-9]+)?([eE][-+]?[0-9]+)?	
<i>Permissible Value(s)</i>			<i>No Values</i>

maximum_observed_ring_elevation in Occultation_Time_Series

Name: maximum_observed_ring_elevation			Version Id: 1.0.0.0
<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.			
<i>Namespace Id:</i> rings	<i>Steward:</i> rings	<i>Class Name:</i> Occultation_Time_Series	<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> [-+]?[0-9]+(\.? [0-9]+)?([eE][-+]?[0-9]+)?	
<i>Permissible Value(s)</i>			<i>No Values</i>

maximum_radial_sampling_interval in Occultation_Ring_Profile

Name: maximum_radial_sampling_interval			Version Id: 1.0.0.0
<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. Not intended to be used as a table field.			
<i>Namespace Id:</i> rings	<i>Steward:</i> rings	<i>Class Name:</i> Occultation_Ring_Profile	<i>Type:</i> ASCII_Real
<i>Minimum Value:</i> -1.7976931348623157e30	<i>Maximum Value:</i> 8.7976931348623157e30	<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> [-+]?[0-9]+(\.? [0-9]+)?([eE][-+]?[0-9]+)?	
<i>Permissible Value(s)</i>			<i>No Values</i>

maximum_ring_longitude in Occultation_Ring_Profile

Name: maximum_ring_longitude		Version Id: 1.0.0.0
<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.		
<i>Namespace Id:</i> rings	<i>Steward:</i> rings	<i>Class Name:</i> Occultation_Ring_Profile
<i>Minimum Value:</i> 0	<i>Maximum Value:</i> 360	<i>Minimum Characters:</i> None
<i>Unit of Measure Type:</i> Units_of_Angle	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> [-]?[0-9]+(\.? [0-9]+)?([eE][-+]?[0-9]+)?
<i>Permissible Value(s)</i>	<i>No Values</i>	

maximum_ring_longitude in Occultation_Time_Series

Name: maximum_ring_longitude		Version Id: 1.0.0.0
<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.		
<i>Namespace Id:</i> rings	<i>Steward:</i> rings	<i>Class Name:</i> Occultation_Time_Series
<i>Minimum Value:</i> 0	<i>Maximum Value:</i> 360	<i>Minimum Characters:</i> None
<i>Unit of Measure Type:</i> Units_of_Angle	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> [-]?[0-9]+(\.? [0-9]+)?([eE][-+]?[0-9]+)?
<i>Permissible Value(s)</i>	<i>No Values</i>	

maximum_ring_radius in Occultation_Ring_Profile

Name: maximum_ring_radius		Version Id: 1.0.0.0
<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.		

Name: maximum_ring_radius			Version Id: 1.0.0.0
<i>Namespace Id:</i> rings	<i>Steward:</i> rings	<i>Class Name:</i> Occultation_Ring_Profile	<i>Type:</i> ASCII_Real
<i>Minimum Value:</i> -1.7976931348623157e30	<i>Maximum Value:</i> 087976931348623157e30	<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> [-+]?[0-9]+(\.? [0-9]+)?([eE][-+]?[0-9]+)?	
<i>Permissible Value(s)</i>	<i>No Values</i>		

maximum_ring_radius in Occultation_Time_Series

Name: maximum_ring_radius			Version Id: 1.0.0.0
<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.			
<i>Namespace Id:</i> rings	<i>Steward:</i> rings	<i>Class Name:</i> Occultation_Time_Series	<i>Type:</i> ASCII_Real
<i>Minimum Value:</i> -1.7976931348623157e30	<i>Maximum Value:</i> 087976931348623157e30	<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> [-+]?[0-9]+(\.? [0-9]+)?([eE][-+]?[0-9]+)?	
<i>Permissible Value(s)</i>	<i>No Values</i>		

maximum_wavelength in Occultation_Ring_Profile

Name: maximum_wavelength			Version Id: 1.0.0.0
<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.			
<i>Namespace Id:</i> rings	<i>Steward:</i> rings	<i>Class Name:</i> Occultation_Ring_Profile	<i>Type:</i> ASCII_Real
<i>Minimum Value:</i> -1.7976931348623157e30	<i>Maximum Value:</i> 087976931348623157e30	<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> [-+]?[0-9]+(\.? [0-9]+)?([eE][-+]?[0-9]+)?	
<i>Permissible Value(s)</i>	<i>No Values</i>		

maximum_wavelength in Occultation_Time_Series

Name: maximum_wavelength		Version Id: 1.0.0.0
<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.		
<i>Namespace Id:</i> rings	<i>Steward:</i> rings	<i>Class Name:</i> Occultation_Time_Series
<i>Minimum Value:</i> -1.7976931348623157e30	<i>Maximum Value:</i> 87976931348623157e30	<i>Minimum Characters:</i> None
<i>Unit of Measure Type:</i> Units_of_Length	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> [-]?[0-9]+(\.? [0-9]+)?([eE][-+]?[0-9]+)?
<i>Permissible Value(s)</i>	<i>No Values</i>	

minimum_light_source_incidence_angle in Occultation_Ring_Profile

Name: minimum_light_source_incidence_angle		Version Id: 1.0.0.0
<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.		
<i>Namespace Id:</i> rings	<i>Steward:</i> rings	<i>Class Name:</i> Occultation_Ring_Profile
<i>Minimum Value:</i> 0	<i>Maximum Value:</i> 90	<i>Minimum Characters:</i> None
<i>Unit of Measure Type:</i> Units_of_Angle	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> [-]?[0-9]+(\.? [0-9]+)?([eE][-+]?[0-9]+)?
<i>Permissible Value(s)</i>	<i>No Values</i>	

minimum_light_source_incidence_angle in Occultation_Time_Series

Name: minimum_light_source_incidence_angle		Version Id: 1.0.0.0
<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.		
<i>Namespace Id:</i> rings	<i>Steward:</i> rings	<i>Class Name:</i> Occultation_Time_Series

Name: minimum_light_source_incidence_angle			Version Id: 1.0.0.0
<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> Real
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> [-]?[0-9]+(.[?][0-9]+)?([eE][-+]?[0-9]+)?	
<i>Permissible Value(s)</i>			<i>No Values</i>

minimum_observed_event_time in Occultation_Ring_Profile

Name: minimum_observed_event_time			Version Id: 1.0.0.0
<i>Description:</i> minimum_observed_event_time gives the smallest value for observed_event_time in the associated data file. It is given in numeric seconds as an offset from the specified UTC reference time. minimum_observed_event_time is optional in labels since the data file time interval end point values are given by the required start_date_time_utc and stop_date_time_utc attributes in the Time_Coordinates class.			
<i>Namespace Id:</i> rings	<i>Steward:</i> rings	<i>Class Name:</i> Occultation_Ring_Profile	<i>Type:</i> ASCII_Real
<i>Minimum Value:</i> -1.7976931348623157e3087976931348623157e30	<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> [-]?[0-9]+(.[?][0-9]+)?([eE][-+]?[0-9]+)?	
<i>Permissible Value(s)</i>			<i>No Values</i>

minimum_observed_event_time in Occultation_Supplement

Name: minimum_observed_event_time			Version Id: 1.0.0.0
<i>Description:</i> minimum_observed_event_time gives the smallest value for observed_event_time in the associated data file. It is given in numeric seconds as an offset from the specified UTC reference time. minimum_observed_event_time is optional in labels since the data file time interval end point values are given by the required start_date_time_utc and stop_date_time_utc attributes in the Time_Coordinates class.			
<i>Namespace Id:</i> rings	<i>Steward:</i> rings	<i>Class Name:</i> Occultation_Supplement	<i>Type:</i> ASCII_Real
<i>Minimum Value:</i> -1.7976931348623157e3087976931348623157e30	<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> [-]?[0-9]+(.[?][0-9]+)?([eE][-+]?[0-9]+)?	
<i>Permissible Value(s)</i>			<i>No Values</i>

minimum_observed_event_time in Occultation_Time_Series

Name: minimum_observed_event_time		Version Id: 1.0.0.0	
<i>Description:</i> minimum_observed_event_time gives the smallest value for observed_event_time in the associated data file. It is given in numeric seconds as an offset from the specified UTC reference time. minimum_observed_event_time is optional in labels since the data file time interval end point values are given by the required start_date_time_utc and stop_date_time_utc attributes in the Time_Coordinates class.			
<i>Namespace Id:</i> rings	<i>Steward:</i> rings	<i>Class Name:</i> Occultation_Time_Series	
<i>Minimum Value:</i> -1.7976931348623157e30	<i>Maximum Value:</i> 87976931348623157e30	<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> [-+]?[0-9]+(\.[0-9]+)?([eE][-+]?[0-9]+)?	
<i>Permissible Value(s)</i>	<i>No Values</i>		

minimum_observed_ring_azimuth in Occultation_Ring_Profile

Name: minimum_observed_ring_azimuth		Version Id: 1.0.0.0	
<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.			
<i>Namespace Id:</i> rings	<i>Steward:</i> rings	<i>Class Name:</i> Occultation_Ring_Profile	
<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> [-+]?[0-9]+(\.[0-9]+)?([eE][-+]?[0-9]+)?	
<i>Permissible Value(s)</i>	<i>No Values</i>		

minimum_observed_ring_azimuth in Occultation_Time_Series

Name: minimum_observed_ring_azimuth		Version Id: 1.0.0.0
<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.		

Name: minimum_observed_ring_azimuth			Version Id: 1.0.0.0
<i>Namespace Id:</i> rings	<i>Steward:</i> rings	<i>Class Name:</i> Occultation_Time_Series	<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> [-+]?[0-9]+(\.? [0-9]+)?([eE][-+]?[0-9]+)?	
<i>Permissible Value(s)</i>	<i>No Values</i>		

minimum_observed_ring_elevation in Occultation_Ring_Profile

Name: minimum_observed_ring_elevation			Version Id: 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.			
<i>Namespace Id:</i> rings	<i>Steward:</i> rings	<i>Class Name:</i> Occultation_Ring_Profile	<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> [-+]?[0-9]+(\.? [0-9]+)?([eE][-+]?[0-9]+)?	
<i>Permissible Value(s)</i>	<i>No Values</i>		

minimum_observed_ring_elevation in Occultation_Time_Series

Name: minimum_observed_ring_elevation			Version Id: 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.			
<i>Namespace Id:</i> rings	<i>Steward:</i> rings	<i>Class Name:</i> Occultation_Time_Series	<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> [-+]?[0-9]+(\.? [0-9]+)?([eE][-+]?[0-9]+)?	
<i>Permissible Value(s)</i>	<i>No Values</i>		

minimum_radial_sampling_interval in Occultation_Ring_Profile

Name: minimum_radial_sampling_interval		Version Id: 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. Not intended to be used as a table field.		
<i>Namespace Id:</i> rings	<i>Steward:</i> rings	<i>Class Name:</i> Occultation_Ring_Profile
<i>Minimum Value:</i> -1.7976931348623157e3087976931348623157e30	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None
<i>Unit of Measure Type:</i> Units_of_Length	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> [-]?[0-9]+(?:[0-9]+)?([eE][-+]?[0-9]+)?
<i>Permissible Value(s)</i>		<i>No Values</i>

minimum_ring_longitude in Occultation_Ring_Profile

Name: minimum_ring_longitude		Version Id: 1.0.0.0
<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.		
<i>Namespace Id:</i> rings	<i>Steward:</i> rings	<i>Class Name:</i> Occultation_Ring_Profile
<i>Minimum Value:</i> 0	<i>Maximum Value:</i> 360	<i>Minimum Characters:</i> None
<i>Unit of Measure Type:</i> Units_of_Angle	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> [-]?[0-9]+(?:[0-9]+)?([eE][-+]?[0-9]+)?
<i>Permissible Value(s)</i>		<i>No Values</i>

minimum_ring_longitude in Occultation_Time_Series

Name: minimum_ring_longitude		Version Id: 1.0.0.0
<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.		

Name: minimum_ring_longitude			Version Id: 1.0.0.0
<i>Namespace Id:</i> rings	<i>Steward:</i> rings	<i>Class Name:</i> Occultation_Time_Series	<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> [-+]?[0-9]+(\.? [0-9]+)?([eE][-+]?[0-9]+)?	
<i>Permissible Value(s)</i>	<i>No Values</i>		

minimum_ring_radius in Occultation_Ring_Profile

Name: minimum_ring_radius			Version Id: 1.0.0.0
<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.			
<i>Namespace Id:</i> rings	<i>Steward:</i> rings	<i>Class Name:</i> Occultation_Ring_Profile	<i>Type:</i> ASCII_Real
<i>Minimum Value:</i> -1.7976931348623157e30	<i>Maximum Value:</i> 8.7976931348623157e30	<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> [-+]?[0-9]+(\.? [0-9]+)?([eE][-+]?[0-9]+)?	
<i>Permissible Value(s)</i>	<i>No Values</i>		

minimum_ring_radius in Occultation_Time_Series

Name: minimum_ring_radius			Version Id: 1.0.0.0
<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.			
<i>Namespace Id:</i> rings	<i>Steward:</i> rings	<i>Class Name:</i> Occultation_Time_Series	<i>Type:</i> ASCII_Real
<i>Minimum Value:</i> -1.7976931348623157e30	<i>Maximum Value:</i> 8.7976931348623157e30	<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> [-+]?[0-9]+(\.? [0-9]+)?([eE][-+]?[0-9]+)?	
<i>Permissible Value(s)</i>	<i>No Values</i>		

minimum_wavelength in Occultation_Ring_Profile

Name: minimum_wavelength		Version Id: 1.0.0.0	
<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.			
<i>Namespace Id:</i> rings	<i>Steward:</i> rings	<i>Class Name:</i> Occultation_Ring_Profile	<i>Type:</i> ASCII_Real
<i>Minimum Value:</i> -1.7976931348623157e30	<i>Maximum Value:</i> 8976931348623157e30	<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> [-]?[0-9]+(\.? [0-9]+)?([eE][-+]?[0-9]+)?	
<i>Permissible Value(s)</i>		<i>No Values</i>	

minimum_wavelength in Occultation_Time_Series

Name: minimum_wavelength		Version Id: 1.0.0.0	
<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.			
<i>Namespace Id:</i> rings	<i>Steward:</i> rings	<i>Class Name:</i> Occultation_Time_Series	<i>Type:</i> ASCII_Real
<i>Minimum Value:</i> -1.7976931348623157e30	<i>Maximum Value:</i> 8976931348623157e30	<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> [-]?[0-9]+(\.? [0-9]+)?([eE][-+]?[0-9]+)?	
<i>Permissible Value(s)</i>		<i>No Values</i>	

observed_event_start_tdb in Occultation_Ring_Profile

Name: observed_event_start_tdb		Version Id: 1.0.0.0	
<i>Description:</i> observed_event_start_tdb indicates the value for earliest time in the described data, and is given in elapsed seconds since the J2000 epoch. Optional in labels; not intended for use as a table field.			
<i>Namespace Id:</i> rings	<i>Steward:</i> rings	<i>Class Name:</i> Occultation_Ring_Profile	<i>Type:</i> ASCII_Real
<i>Minimum Value:</i> -1.7976931348623157e30	<i>Maximum Value:</i> 8976931348623157e30	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None

Name: observed_event_start_tdb			Version Id: 1.0.0.0
<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
Status: Active	Nillable: false	<i>Pattern:</i> [-]?[0-9]+(\.[0-9]+)?([eE][-+]?[0-9]+)?	
<i>Permissible Value(s)</i>			<i>No Values</i>

observed_event_start_tdb in Occultation_Time_Series

Name: observed_event_start_tdb			Version Id: 1.0.0.0
<i>Description:</i> observed_event_start_tdb indicates the value for earliest time in the described data, and is given in elapsed seconds since the J2000 epoch. Optional in labels; not intended for use as a table field.			
<i>Namespace Id:</i> rings	<i>Steward:</i> rings	<i>Class Name:</i> Occultation_Time_Series	<i>Type:</i> ASCII_Real
<i>Minimum Value:</i> -1.7976931348623157e30	<i>Maximum Value:</i> 08976931348623157e30	<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
Status: Active	Nillable: false	<i>Pattern:</i> [-]?[0-9]+(\.[0-9]+)?([eE][-+]?[0-9]+)?	
<i>Permissible Value(s)</i>			<i>No Values</i>

observed_event_start_time_utc in Occultation_Ring_Profile

Name: observed_event_start_time_utc			Version Id: 1.0.0.0
<i>Description:</i> observed_event_start_time_utc indicates the UTC value for earliest time in the described data. It is part of a start/stop pair. If one of observed_event_start_time_utc and observed_event_stop_time_utc is used, both must be used.			
<i>Namespace Id:</i> rings	<i>Steward:</i> rings	<i>Class Name:</i> Occultation_Ring_Profile	<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> Time
Status: Active	Nillable: false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>			<i>No Values</i>

observed_event_start_time_utc in Occultation_Time_Series

Name: observed_event_start_time_utc		Version Id: 1.0.0.0	
<i>Description:</i> observed_event_start_time_utc indicates the UTC value for earliest time in the described data. It is part of a start/stop pair. If one of observed_event_start_time_utc and observed_event_stop_time_utc is used, both must be used.			
<i>Namespace Id:</i> rings	<i>Steward:</i> rings	<i>Class Name:</i> Occultation_Time_Series	<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> Time
<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 Occultation_Ring_Profile

Name: observed_event_stop_tdb		Version Id: 1.0.0.0	
<i>Description:</i> observed_event_stop_tdb indicates the value for latest time in the described data, and is given in elapsed seconds since the J2000 epoch. Optional in labels; not intended for use as a table field.			
<i>Namespace Id:</i> rings	<i>Steward:</i> rings	<i>Class Name:</i> Occultation_Ring_Profile	<i>Type:</i> ASCII_Real
<i>Minimum Value:</i> -1.7976931348623157e30	<i>Maximum Value:</i> 87976931348623157e30	<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> [-]?[0-9]+(\.[0-9]+)?([eE][-]?[0-9]+)?	
<i>Permissible Value(s)</i>		<i>No Values</i>	

observed_event_stop_tdb in Occultation_Time_Series

Name: observed_event_stop_tdb		Version Id: 1.0.0.0	
<i>Description:</i> observed_event_stop_tdb indicates the value for latest time in the described data, and is given in elapsed seconds since the J2000 epoch. Optional in labels; not intended for use as a table field.			
<i>Namespace Id:</i> rings	<i>Steward:</i> rings	<i>Class Name:</i> Occultation_Time_Series	<i>Type:</i> ASCII_Real

Name: observed_event_stop_tdb			Version Id: 1.0.0.0
<i>Minimum Value:</i> -1.7976931348623157e30	<i>Maximum Value:</i> 087976931348623157e30	<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> [-]?[0-9]+(\.[0-9]+)?([eE][-+]?[0-9]+)?	
<i>Permissible Value(s)</i>			<i>No Values</i>

observed_event_stop_time_utc in Occultation_Ring_Profile

Name: observed_event_stop_time_utc			Version Id: 1.0.0.0
<i>Description:</i> observed_event_stop_time_utc indicates the UTC value for latest time in the described data. It is part of a start/stop pair. If one of observed_event_start_time_utc and observed_event_stop_time_utc is used, both must be used.			
<i>Namespace Id:</i> rings	<i>Steward:</i> rings	<i>Class Name:</i> Occultation_Ring_Profile	<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> Time
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>			<i>No Values</i>

observed_event_stop_time_utc in Occultation_Time_Series

Name: observed_event_stop_time_utc			Version Id: 1.0.0.0
<i>Description:</i> observed_event_stop_time_utc indicates the UTC value for latest time in the described data. It is part of a start/stop pair. If one of observed_event_start_time_utc and observed_event_stop_time_utc is used, both must be used.			
<i>Namespace Id:</i> rings	<i>Steward:</i> rings	<i>Class Name:</i> Occultation_Time_Series	<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> Time
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>			<i>No Values</i>

observed_ring_elevation in Occultation_Ring_Profile

Name: observed_ring_elevation		Version Id: 1.0.0.0	
<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. The above definition of observed_ring_elevation is equivalent to the most common usage of the term 'ring open angle', B.			
<i>Namespace Id:</i> rings	<i>Steward:</i> rings	<i>Class Name:</i> Occultation_Ring_Profile	<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> [-]?[0-9]+(\.? [0-9]+)?([eE][-]?[0-9]+)?	
<i>Permissible Value(s)</i>		<i>No Values</i>	

observed_ring_elevation in Occultation_Time_Series

Name: observed_ring_elevation		Version Id: 1.0.0.0	
<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. The above definition of observed_ring_elevation is equivalent to the most common usage of the term 'ring open angle', B.			
<i>Namespace Id:</i> rings	<i>Steward:</i> rings	<i>Class Name:</i> Occultation_Time_Series	<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

Name: observed_ring_elevation		Version Id: 1.0.0.0
Status: Active	Nillable: false	Pattern: [-]?[0-9]+(.[?][0-9]+)?([eE][-+]?[0-9]+)?
Permissible Value(s)	No Values	

occultation_direction in Occultation_Ring_Profile

Name: occultation_direction		Version Id: 1.0.0.0
<i>Description:</i> occultation_direction indicates the direction of an occultation track. This refers to the observed occultation track overall, not to the subset that might appear in a particular file (e.g., if an occultation includes both ingress and egress tracks, the value for occultation_direction will be both in the data products for each occultation profile. 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. Not intended as a value for a table field.		
<i>Namespace Id:</i> rings	<i>Steward:</i> rings	<i>Class Name:</i> Occultation_Ring_Profile
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</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.

occultation_direction in Occultation_Supplement

Name: occultation_direction		Version Id: 1.0.0.0
<i>Description:</i> occultation_direction indicates the direction of an occultation track. This refers to the observed occultation track overall, not to the subset that might appear in a particular file (e.g., if an occultation includes both ingress and egress tracks, the value for occultation_direction will be both in the data products for each occultation profile. 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. Not intended as a value for a table field.		

Name: occultation_direction			Version Id: 1.0.0.0
<i>Namespace Id:</i> rings	<i>Steward:</i> rings	<i>Class Name:</i> Occultation_ 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>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.	

occultation_direction in Occultation_Time_Series

Name: occultation_direction			Version Id: 1.0.0.0
<i>Description:</i> occultation_direction indicates the direction of an occultation track. This refers to the observed occultation track overall, not to the subset that might appear in a particular file (e.g., if an occultation includes both ingress and egress tracks, the value for occultation_direction will be both in the data products for each occultation profile. 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. Not intended as a value for a table field.			
<i>Namespace Id:</i> rings	<i>Steward:</i> rings	<i>Class Name:</i> Occultation_Time_ Series	<i>Type:</i> ASCII_Short_ String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</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.	

Name: occultation_direction		Version Id: 1.0.0.0
	Multiple	Only used for some Hubble-based occultations where the occultation track is not monotonic over relatively short time scales.

occultation_type in Occultation_Ring_Profile

Name: occultation_type		Version Id: 1.0.0.0
<i>Description:</i> occultation_type distinguishes between three types of occultation experiments: Stellar, Solar, or 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. Normally not intended as a value for a table field.		
<i>Namespace Id:</i> rings	<i>Steward:</i> rings	<i>Class Name:</i> Occultation_Ring_Profile
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</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 Occultation_Supplement

Name: occultation_type		Version Id: 1.0.0.0
<i>Description:</i> occultation_type distinguishes between three types of occultation experiments: Stellar, Solar, or 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. Normally not intended as a value for a table field.		
<i>Namespace Id:</i> rings	<i>Steward:</i> rings	<i>Class Name:</i> Occultation_Supplement
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</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

Name: occultation_type	Version Id: 1.0.0.0	
	Stellar	Stellar occultation

occultation_type in Occultation_Time_Series

Name: occultation_type	Version Id: 1.0.0.0
<i>Description:</i> occultation_type distinguishes between three types of occultation experiments: Stellar, Solar, or 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. Normally not intended as a value for a table field.	
<i>Namespace Id:</i> rings	<i>Steward:</i> rings
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None
<i>Status:</i> Active	<i>Nillable:</i> false
<i>Permissible Value(s)</i>	<i>Value</i>
	Radio
	Solar
	Stellar
	<i>Attribute Concept:</i> None
	<i>Conceptual Domain:</i> None
	<i>Pattern:</i> None
	<i>Value Meaning</i>
	Radio occultation
	Solar occultation
	Stellar occultation

orbit_number in Occultation_Ring_Profile

Name: orbit_number	Version Id: 1.0.0.0
<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>Minimum Value:</i> None	<i>Maximum Value:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None
<i>Status:</i> Active	<i>Nillable:</i> true
<i>Permissible Value(s)</i>	<i>No Values</i>
	<i>Attribute Concept:</i> None
	<i>Conceptual Domain:</i> None
	<i>Pattern:</i> None

orbit_number in Occultation_Supplement

Name: orbit_number	Version Id: 1.0.0.0
<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	

Name: orbit_number			Version Id: 1.0.0.0
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> Occultation_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>		

orbit_number in Occultation_Time_Series

Name: orbit_number			Version Id: 1.0.0.0
<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> Occultation_Time_Series	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</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 Occultation_Ring_Profile

Name: planetary_occultation_flag			Version Id: 1.0.0.0
<i>Description:</i> The planetary_occultation_flag is a yes-or-no flag that indicates whether a occultation track also intersects the planet. Required in labels of ring occultation observations. Normally not intended as a value for a table field.			
<i>Namespace Id:</i> rings	<i>Steward:</i> rings	<i>Class Name:</i> Occultation_Ring_Profile	<i>Type:</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.	

Name: planetary_occultation_flag		Version Id: 1.0.0.0
	Y	Some portion of the ring occultation track also intersects the planet.

planetary_occultation_flag in Occultation_Supplement

Name: planetary_occultation_flag		Version Id: 1.0.0.0	
<i>Description:</i> The planetary_occultation_flag is a yes-or-no flag that indicates whether a occultation track also intersects the planet. Required in labels of ring occultation observations. Normally not intended as a value for a table field.			
<i>Namespace Id:</i> rings	<i>Steward:</i> rings	<i>Class Name:</i> Occultation_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> 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 Occultation_Time_Series

Name: planetary_occultation_flag		Version Id: 1.0.0.0	
<i>Description:</i> The planetary_occultation_flag is a yes-or-no flag that indicates whether a occultation track also intersects the planet. Required in labels of ring occultation observations. Normally not intended as a value for a table field.			
<i>Namespace Id:</i> rings	<i>Steward:</i> rings	<i>Class Name:</i> Occultation_Time_Series	<i>Type:</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.	

radial_resolution in Occultation_Ring_Profile

Name: radial_resolution		Version Id: 1.0.0.0	
<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. Not intended to be used as a table field.			
<i>Namespace Id:</i> rings	<i>Steward:</i> rings	<i>Class Name:</i> Occultation_Ring_Profile	<i>Type:</i> ASCII_Real
<i>Minimum Value:</i> -1.7976931348623157e30	<i>Maximum Value:</i> 8.7976931348623157e30	<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> [-+]?[0-9]+(\.[0-9]+)?([eE][-+]?[0-9]+)?	
<i>Permissible Value(s)</i>		<i>No Values</i>	

radial_sampling_interval in Occultation_Ring_Profile

Name: radial_sampling_interval		Version Id: 1.0.0.0	
<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 maximum attributes must be used instead. Not intended to be used as a table field.			
<i>Namespace Id:</i> rings	<i>Steward:</i> rings	<i>Class Name:</i> Occultation_Ring_Profile	<i>Type:</i> ASCII_Real
<i>Minimum Value:</i> -1.7976931348623157e30	<i>Maximum Value:</i> 8.7976931348623157e30	<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> [-+]?[0-9]+(\.[0-9]+)?([eE][-+]?[0-9]+)?	
<i>Permissible Value(s)</i>		<i>No Values</i>	

reference_time_utc in Occultation_Ring_Profile

Name: reference_time_utc		Version Id: 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. Unless there are compelling reasons to do otherwise, reference_time_utc should correspond to the start of a day. Required anytime a table field is given relative to a specific date and time other than when Barycentric Dynamical Time is used (e.g., observed_event_tdb).					

Name: reference_time_utc			Version Id: 1.0.0.0
<i>Namespace Id:</i> rings	<i>Steward:</i> rings	<i>Class Name:</i> Occultation_Ring_Profile	<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> Time
<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 Occultation_Supplement

Name: reference_time_utc			Version Id: 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. Unless there are compelling reasons to do otherwise, reference_time_utc should correspond to the start of a day. Required anytime a table field is given relative to a specific date and time other than when Barycentric Dynamical Time is used (e.g., observed_event_tdb).			
<i>Namespace Id:</i> rings	<i>Steward:</i> rings	<i>Class Name:</i> Occultation_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>		

reference_time_utc in Occultation_Time_Series

Name: reference_time_utc			Version Id: 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. Unless there are compelling reasons to do otherwise, reference_time_utc should correspond to the start of a day. Required anytime a table field is given relative to a specific date and time other than when Barycentric Dynamical Time is used (e.g., observed_event_tdb).			
<i>Namespace Id:</i> rings	<i>Steward:</i> rings	<i>Class Name:</i> Occultation_Time_Series	<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> Time
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	

Name: reference_time_utc	Version Id: 1.0.0.0
Permissible Value(s)	No Values

ring_event_start_tdb in Occultation_Ring_Profile

Name: ring_event_start_tdb	Version Id: 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.			
Namespace Id: rings	Steward: rings	Class Name: Occultation_Ring_Profile	Type: ASCII_Real
Minimum Value: -1.7976931348623157e30	Maximum Value: 8976931348623157e30	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: [-]?[0-9]+(\.[0-9]+)?([eE][-]?[0-9]+)?	
Permissible Value(s)	No Values		

ring_event_start_tdb in Occultation_Time_Series

Name: ring_event_start_tdb	Version Id: 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.			
Namespace Id: rings	Steward: rings	Class Name: Occultation_Time_Series	Type: ASCII_Real
Minimum Value: -1.7976931348623157e30	Maximum Value: 8976931348623157e30	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: [-]?[0-9]+(\.[0-9]+)?([eE][-]?[0-9]+)?	
Permissible Value(s)	No Values		

ring_event_start_time_utc in Occultation_Ring_Profile

Name: ring_event_start_time_utc	Version Id: 1.0.0.0
<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.	

Name: ring_event_start_time_utc			Version Id: 1.0.0.0
<i>Namespace Id:</i> rings	<i>Steward:</i> rings	<i>Class Name:</i> Occultation_Ring_Profile	<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> Time
<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 Occultation_Time_Series

Name: ring_event_start_time_utc			Version Id: 1.0.0.0
<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.			
<i>Namespace Id:</i> rings	<i>Steward:</i> rings	<i>Class Name:</i> Occultation_Time_Series	<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> Time
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

ring_event_stop_tdb in Occultation_Ring_Profile

Name: ring_event_stop_tdb			Version Id: 1.0.0.0
<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.			
<i>Namespace Id:</i> rings	<i>Steward:</i> rings	<i>Class Name:</i> Occultation_Ring_Profile	<i>Type:</i> ASCII_Real
<i>Minimum Value:</i> -1.7976931348623157e30	<i>Maximum Value:</i> 8976931348623157e30	<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> [-]?[0-9]+(.[?][0-9]+)?([eE][-]?[0-9]+)?	
<i>Permissible Value(s)</i>	<i>No Values</i>		

ring_event_stop_tdb in Occultation_Time_Series

Name: ring_event_stop_tdb			Version Id: 1.0.0.0
<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.			
Namespace Id: rings	Steward: rings	Class Name: Occultation_Time_Series	Type: ASCII_Real
Minimum Value: -1.7976931348623157e30	Maximum Value: 8.7976931348623157e30	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: [-+]?[0-9]+(\.[0-9]+)?([eE][-+]?[0-9]+)?	
Permissible Value(s)	No Values		

ring_event_stop_time_utc in Occultation_Ring_Profile

Name: ring_event_stop_time_utc			Version Id: 1.0.0.0
<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.			
Namespace Id: rings	Steward: rings	Class Name: Occultation_Ring_Profile	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: Time
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

ring_event_stop_time_utc in Occultation_Time_Series

Name: ring_event_stop_time_utc			Version Id: 1.0.0.0
<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.			
Namespace Id: rings	Steward: rings	Class Name: Occultation_Time_Series	Type: ASCII_Date_Time_YMD_UTC

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

ring_observation_id in Rings_Supplement

Name: ring_observation_id			Version Id: 1.0.0.0
<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 catalogued 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			
<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_plane in Occultation_Ring_Profile

Name: ring_plane			Version Id: 1.0.0.0
<i>Description:</i> ring_plane indicates the plane upon which parameters such as ring_radius are based. Possible values for the Saturn ring system are 'Equator', 'A', 'B', 'C', 'D', 'E', 'F', 'G', 'Phoebe'. For the Uranus ring system values are 'Equator', 'Six', 'Five', 'Four', 'Alpha', 'Beta', 'Eta', 'Gamma', 'Delta', 'Lambda', 'Epsilon', Nu, Mu. Required in labels of ring occultation observations.			
<i>Namespace Id:</i> rings	<i>Steward:</i> rings	<i>Class Name:</i> Occultation_Ring_Profile	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</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	

Name: ring_plane		Version Id: 1.0.0.0
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>
	A	Parameters such as ring_radius were determined based on the plane of the A Ring.
	Alpha	Parameters such as ring_radius were determined based on the plane of the Alpha Ring.
	B	Parameters such as ring_radius were determined based on the plane of the B Ring.
	Beta	Parameters such as ring_radius were determined based on the plane of the Beta Ring.
	C	Parameters such as ring_radius were determined based on the plane of the C Ring.
	D	Parameters such as ring_radius were determined based on the plane of the D Ring.
	Delta	Parameters such as ring_radius were determined based on the plane of the Delta Ring.
	E	Parameters such as ring_radius were determined based on the plane of the E Ring.
	Epsilon	Parameters such as ring_radius were determined based on the plane of the Epsilon Ring.
	Equator	Parameters such as ring_radius were determined based on the equatorial plane of the planet.
	Eta	Parameters such as ring_radius were determined based on the plane of the Eta Ring.
	F	Parameters such as ring_radius were determined based on the plane of the F Ring.
	Five	Parameters such as ring_radius were determined based on the plane of the Five Ring.
	Four	Parameters such as ring_radius were determined based on the plane of the Four Ring.
	G	Parameters such as ring_radius were determined based on the plane of the G Ring.
	Gamma	Parameters such as ring_radius were determined based on the plane of the Gamma Ring.
	Lambda	Parameters such as ring_radius were determined based on the plane of the Lambda Ring.
	Mu	Parameters such as ring_radius were determined based on the plane of the Mu Ring.
	Nu	Parameters such as ring_radius were determined based on the plane of the Nu Ring.
	Phoebe	Parameters such as ring_radius were determined based on the plane of the Phoebe Ring.
	Six	Parameters such as ring_radius were determined based on the plane of the Six Ring.

ring_plane in Occultation_Time_Series

<i>Name:</i> ring_plane		<i>Version Id:</i> 1.0.0.0	
<i>Description:</i> ring_plane indicates the plane upon which parameters such as ring_radius are based. Possible values for the Saturn ring system are 'Equator', 'A', 'B', 'C', 'D', 'E', 'F', 'G', 'Phoebe'. For the Uranus ring system values are 'Equator', 'Six', 'Five', 'Four', 'Alpha', 'Beta', 'Eta', 'Gamma', 'Delta', 'Lambda', 'Epsilon', Nu, Mu. Required in labels of ring occultation observations.			
<i>Namespace Id:</i> rings	<i>Steward:</i> rings	<i>Class Name:</i> Occultation_Time_Series	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</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 Meaning</i>	
	A	Parameters such as ring_radius were determined based on the plane of the A Ring.	
	Alpha	Parameters such as ring_radius were determined based on the plane of the Alpha Ring.	
	B	Parameters such as ring_radius were determined based on the plane of the B Ring.	
	Beta	Parameters such as ring_radius were determined based on the plane of the Beta Ring.	
	C	Parameters such as ring_radius were determined based on the plane of the C Ring.	
	D	Parameters such as ring_radius were determined based on the plane of the D Ring.	
	Delta	Parameters such as ring_radius were determined based on the plane of the Delta Ring.	
	E	Parameters such as ring_radius were determined based on the plane of the E Ring.	
	Epsilon	Parameters such as ring_radius were determined based on the plane of the Epsilon Ring.	
	Equator	Parameters such as ring_radius were determined based on the equatorial plane of the planet.	
	Eta	Parameters such as ring_radius were determined based on the plane of the Eta Ring.	
	F	Parameters such as ring_radius were determined based on the plane of the F Ring.	
	Five	Parameters such as ring_radius were determined based on the plane of the Five Ring.	
	Four	Parameters such as ring_radius were determined based on the plane of the Four Ring.	
	G	Parameters such as ring_radius were determined based on the plane of the G Ring.	
	Gamma	Parameters such as ring_radius were determined based on the plane of the Gamma Ring.	

Name: ring_plane		Version Id: 1.0.0.0
	Lambda	Parameters such as ring_radius were determined based on the plane of the Lambda Ring.
	Mu	Parameters such as ring_radius were determined based on the plane of the Mu Ring.
	Nu	Parameters such as ring_radius were determined based on the plane of the Nu Ring.
	Phoebe	Parameters such as ring_radius were determined based on the plane of the Phoebe Ring.
	Six	Parameters such as ring_radius were determined based on the plane of the Six Ring.

ring_profile_direction in Occultation_Ring_Profile

Name: ring_profile_direction		Version Id: 1.0.0.0
<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. Not intended as a value for a table field.		
<i>Namespace Id:</i> rings	<i>Steward:</i> rings	<i>Class Name:</i> Occultation_Ring_Profile
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</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 Occultation_Supplement

Name: ring_profile_direction		Version Id: 1.0.0.0
<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. Not intended as a value for a table field.		

Name: ring_profile_direction			Version Id: 1.0.0.0
<i>Namespace Id:</i> rings	<i>Steward:</i> rings	<i>Class Name:</i> Occultation_ 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>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.	

sclk_start_time in Occultation_Ring_Profile

Name: sclk_start_time			Version Id: 1.0.0.0
<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> Occultation_Ring_ Profile	<i>Type:</i> ASCII_Short_ String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</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 Occultation_Time_Series

Name: sclk_start_time			Version Id: 1.0.0.0
<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> Occultation_Time_ Series	<i>Type:</i> ASCII_Short_ String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</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 Occultation_Ring_Profile

<i>Name:</i> sclk_stop_time		<i>Version Id:</i> 1.0.0.0	
<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> Occultation_Ring_Profile	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</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 Occultation_Time_Series

<i>Name:</i> sclk_stop_time		<i>Version Id:</i> 1.0.0.0	
<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> Occultation_Time_Series	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</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>		

source_pds3_id in Rings_Supplement

<i>Name:</i> source_pds3_id		<i>Version Id:</i> 1.0.0.0	
<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 constructed as PDS3 dataset_id, a colon, then the PDS3 product_id. 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>	<i>No Values</i>		

spacecraft_event_start_time_utc in Occultation_Ring_Profile

Name: spacecraft_event_start_time_utc		Version Id: 1.0.0.0
<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. Required in the label for radio occultation data. Not used for stellar occultations.		
<i>Namespace Id:</i> rings	<i>Steward:</i> rings	<i>Class Name:</i> Occultation_Ring_Profile
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None
<i>Unit of Measure Type:</i> Units_of_Time	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None
<i>Permissible Value(s)</i>	<i>No Values</i>	

spacecraft_event_start_time_utc in Occultation_Time_Series

Name: spacecraft_event_start_time_utc		Version Id: 1.0.0.0
<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. Required in the label for radio occultation data. Not used for stellar occultations.		
<i>Namespace Id:</i> rings	<i>Steward:</i> rings	<i>Class Name:</i> Occultation_Time_Series
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None
<i>Unit of Measure Type:</i> Units_of_Time	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None
<i>Permissible Value(s)</i>	<i>No Values</i>	

spacecraft_event_stop_time_utc in Occultation_Ring_Profile

Name: spacecraft_event_stop_time_utc		Version Id: 1.0.0.0
<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. Required in the label for radio occultation data. Not used for stellar occultations.		

Name: spacecraft_event_stop_time_utc			Version Id: 1.0.0.0
<i>Namespace Id:</i> rings	<i>Steward:</i> rings	<i>Class Name:</i> Occultation_Ring_Profile	<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> Time
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

spacecraft_event_stop_time_utc in Occultation_Time_Series

Name: spacecraft_event_stop_time_utc			Version Id: 1.0.0.0
<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. Required in the label for radio occultation data. Not used for stellar occultations.			
<i>Namespace Id:</i> rings	<i>Steward:</i> rings	<i>Class Name:</i> Occultation_Time_Series	<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> Time
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

spice_filename in Occultation_Supplement

Name: spice_filename			Version Id: 1.0.0.0
<i>Description:</i> spice_filename gives the file name(s) of SPICE files used in the analysis. Only used if the SPICE files cannot 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>Namespace Id:</i> rings	<i>Steward:</i> rings	<i>Class Name:</i> Occultation_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>		

star_name in Occultation_Ring_Profile

Name: star_name			Version Id: 1.0.0.0
<i>Description:</i> 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. Not used for radio occultations.			
<i>Namespace Id:</i> rings	<i>Steward:</i> rings	<i>Class Name:</i> Occultation_Ring_Profile	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</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 Occultation_Time_Series

Name: star_name			Version Id: 1.0.0.0
<i>Description:</i> 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. Not used for radio occultations.			
<i>Namespace Id:</i> rings	<i>Steward:</i> rings	<i>Class Name:</i> Occultation_Time_Series	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</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>	

sub_stellar_clock_angle in Occultation_Ring_Profile

Name: sub_stellar_clock_angle			Version Id: 1.0.0.0
<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 - OBSERVED_RING_AZIMUTH) mod 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.			

Name: sub_stellar_clock_angle			Version Id: 1.0.0.0
<i>Namespace Id:</i> rings	<i>Steward:</i> rings	<i>Class Name:</i> Occultation_Ring_Profile	<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> [-+]?[0-9]+(\.? [0-9]+)?([eE][-+]?[0-9]+)?	
<i>Permissible Value(s)</i>	<i>No Values</i>		

sub_stellar_clock_angle in Occultation_Time_Series

Name: sub_stellar_clock_angle			Version Id: 1.0.0.0
<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 - OBSERVED_RING_AZIMUTH) mod 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> Occultation_Time_Series	<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> [-+]?[0-9]+(\.? [0-9]+)?([eE][-+]?[0-9]+)?	
<i>Permissible Value(s)</i>	<i>No Values</i>		

sub_stellar_ring_azimuth in Occultation_Ring_Profile

Name: sub_stellar_ring_azimuth			Version Id: 1.0.0.0
<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 (observed_ring_azimuth + 180) mod 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			
<i>Namespace Id:</i> rings	<i>Steward:</i> rings	<i>Class Name:</i> Occultation_Ring_Profile	<i>Type:</i> ASCII_Real

Name: sub_stellar_ring_azimuth			Version Id: 1.0.0.0
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> Occultation_Ring_Profile	<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> [-]?[0-9]+(\.? [0-9]+)?([eE][-+]?[0-9]+)?	
<i>Permissible Value(s)</i>		<i>No Values</i>	

sub_stellar_ring_azimuth in Occultation_Time_Series

Name: sub_stellar_ring_azimuth			Version Id: 1.0.0.0
<p><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 (observed_ring_azimuth + 180) mod 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.</p>			
<i>Namespace Id:</i> rings	<i>Steward:</i> rings	<i>Class Name:</i> Occultation_Time_Series	<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> [-]?[0-9]+(\.? [0-9]+)?([eE][-+]?[0-9]+)?	
<i>Permissible Value(s)</i>		<i>No Values</i>	

time_series_direction in Occultation_Time_Series

Name: time_series_direction			Version Id: 1.0.0.0
<p><i>Description:</i> time_series_direction indicates the direction the occultation proceeds through the target within a particular data product. Possible values are 'ingress', 'egress', 'both' 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. Not intended as a value for a table field.</p>			

Name: time_series_direction			Version Id: 1.0.0.0
<i>Namespace Id:</i> rings	<i>Steward:</i> rings	<i>Class Name:</i> Occultation_Time_Series	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</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>		

wavelength in Occultation_Ring_Profile

Name: wavelength			Version Id: 1.0.0.0
<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.			
<i>Namespace Id:</i> rings	<i>Steward:</i> rings	<i>Class Name:</i> Occultation_Ring_Profile	<i>Type:</i> ASCII_Real
<i>Minimum Value:</i> -1.7976931348623157e30	<i>Maximum Value:</i> 87976931348623157e30	<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> [-]?[0-9]+(\.[0-9]+)?([eE][-]?[0-9]+)?	
<i>Permissible Value(s)</i>	<i>No Values</i>		

wavelength in Occultation_Time_Series

Name: wavelength			Version Id: 1.0.0.0
<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.			
<i>Namespace Id:</i> rings	<i>Steward:</i> rings	<i>Class Name:</i> Occultation_Time_Series	<i>Type:</i> ASCII_Real
<i>Minimum Value:</i> -1.7976931348623157e30	<i>Maximum Value:</i> 87976931348623157e30	<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> [-]?[0-9]+(\.[0-9]+)?([eE][-]?[0-9]+)?	
<i>Permissible Value(s)</i>	<i>No Values</i>		

Chapter 11. Attributes in the Imaging discipline namespace.

These attributes are used by the classes defined for the Imaging namespace.

application_process_id in Telemetry_ Parameters

Name: application_process_id		Version Id: 1.0.0.0	
<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> 9223372036854775807	<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>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

application_process_name in Telemetry_ Parameters

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

earth_received_start_date_time in Telemetry_ Parameters

Name: earth_received_start_date_time		Version Id: 1.0.0.0	
<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

Name: earth_received_start_date_time			Version Id: 1.0.0.0
<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>		

earth_received_stop_date_time in Telemetry_Parameters

Name: earth_received_stop_date_time			Version Id: 1.0.0.0
<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>	<i>No Values</i>		

expected_packets in Telemetry_Parameters

Name: expected_packets			Version Id: 1.0.0.0
<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> 9223372036854775807	<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>		

packet_map_mask in Telemetry_Parameters

Name: packet_map_mask			Version Id: 1.0.0.0
<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

Name: packet_map_mask			Version Id: 1.0.0.0
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</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>	<i>No Values</i>		

received_packets in Telemetry_Parameters

Name: received_packets			Version Id: 1.0.0.0
<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> 9223372036854775807	<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>		

spice_file_name in Telemetry_Parameters

Name: spice_file_name			Version Id: 1.0.0.0
<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>	<i>No Values</i>		

telemetry_format_id in Telemetry_Parameters

Name: telemetry_format_id			Version Id: 1.0.0.0
<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	

Name: telemetry_format_id	Version Id: 1.0.0.0
Permissible Value(s)	No Values

telemetry_provider_id in Telemetry_ Parameters

Name: telemetry_provider_id	Version Id: 1.0.0.0		
<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.			
Namespace Id: img	Steward: img	Class Name: Telemetry_Parameters	Type: ASCII_Short_String_Collapsed
Minimum Value: None	Maximum Value: None	Minimum Characters: 1	Maximum Characters: 20
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		

telemetry_source_name in Telemetry_ Parameters

Name: telemetry_source_name	Version Id: 1.0.0.0		
<i>Description:</i> The telemetry_source_name attribute identifies the telemetry source used in creation of a data set.			
Namespace Id: img	Steward: img	Class Name: Telemetry_Parameters	Type: ASCII_Short_String_Collapsed
Minimum Value: None	Maximum Value: None	Minimum Characters: 1	Maximum Characters: 60
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		

telemetry_source_type in Telemetry_ Parameters

Name: telemetry_source_type	Version Id: 1.0.0.0		
<i>Description:</i> The telemetry_source_type attribute classifies the source of the telemetry used in creation of this data collection.			
Namespace Id: img	Steward: img	Class Name: Telemetry_Parameters	Type: ASCII_Short_String_Collapsed
Minimum Value: None	Maximum Value: None	Minimum Characters: 1	Maximum Characters: 255
Unit of Measure Type: Units_of_None	Default Unit Id: None	Attribute Concept: Type	Conceptual Domain: Short_String

Name: telemetry_source_type		Version Id: 1.0.0.0
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None
<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

Chapter 12. Attributes in the Cartographic namespace.

These attributes are used by the classes defined for the Cartographic namespace.

azimuth_measure_point_longitude in Oblique_Line_Azimuth

Name: azimuth_measure_point_longitude		Version Id: 1.0.0.0	
<i>Description:</i> The azimuth_measure_point_longitude attribute provides the longitude of the map projection origin.			
Namespace Id: cart	Steward: cart	Class Name: Oblique_Line_Azimuth	Type: ASCII_Real
Minimum Value: -180.0	Maximum Value: 180.0	Minimum Characters: None	Maximum Characters: None
Unit of Measure Type: Units_of_Angle	Default Unit Id: None	Attribute Concept: None	Conceptual Domain: Real
Status: Active	Nillable: false	Pattern: [-+]?[0-9]+(\.[0-9]+)?([eE][-+]?[0-9]+)?	
Permissible Value(s)	No Values		

azimuthal_angle in Oblique_Line_Azimuth

Name: azimuthal_angle		Version Id: 1.0.0.0	
<i>Description:</i> The azimuthal_angle attribute provides the angle measured clockwise from north, and expressed in degrees.			
Namespace Id: cart	Steward: cart	Class Name: Oblique_Line_Azimuth	Type: ASCII_Real
Minimum Value: 0.0	Maximum Value: 360.0	Minimum Characters: None	Maximum Characters: None
Unit of Measure Type: Units_of_Angle	Default Unit Id: None	Attribute Concept: None	Conceptual Domain: Real
Status: Active	Nillable: false	Pattern: [-+]?[0-9]+(\.[0-9]+)?([eE][-+]?[0-9]+)?	
Permissible Value(s)	No Values		

bearing_reference_direction in Distance_and_Bearing_Representation

Name: bearing_reference_direction		Version Id: 1.0.0.0	
<i>Description:</i> The bearing_reference_direction attribute specifies the direction from which the bearing is measured.			
Namespace Id: cart	Steward: cart	Class Name: Distance_and_Bearing_Representation	Type: ASCII_Short_String_Collapsed

Name: bearing_reference_direction			Version Id: 1.0.0.0
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 5	<i>Maximum Characters:</i> 5
<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>	
	North	The indicated bearing is measured from the North vector.	
	South	The indicated bearing is measured from the South vector.	

bearing_reference_meridian in Distance_and_Bearing_Representation

Name: bearing_reference_meridian			Version Id: 1.0.0.0
<i>Description:</i> The bearing_reference_meridian attribute specifies the axis from which the bearing is measured.			
<i>Namespace Id:</i> cart	<i>Steward:</i> cart	<i>Class Name:</i> Distance_and_Bearing_Representation	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 4	<i>Maximum Characters:</i> 10
<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>	
	Assumed	An assumed (user defined) reference axis. An arbitrary chosen reference line with a directional value assigned by the observer.	
	Astronomic	A reference line on the Earth's (or other body) surface having the same astronomic longitude at every point.	
	Geodetic	A referenced geodetic vertical datum.	
	Grid	A reference line through a point parallel to the central meridian or y-axis of a rectangular coordinate system.	
	Magnetic	The vertical plane reference in which a freely suspended magnetized needle, under no transient artificial magnetic disturbance, will come to rest.	

bearing_resolution in Distance_and_Bearing_Representation

Name: bearing_resolution			Version Id: 1.0.0.0
<i>Description:</i> The bearing_resolution attribute provides the minimum angle measurable between two points.			

Name: bearing_resolution			Version Id: 1.0.0.0
<i>Namespace Id:</i> cart	<i>Steward:</i> cart	<i>Class Name:</i> Distance_and_Bearing_Representation	<i>Type:</i> ASCII_Real
<i>Minimum Value:</i> 0.0	<i>Maximum Value:</i> 1.7976931348623157e30	<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> Real
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> [-+]?[0-9]+(\.? [0-9] +)?([eE][-+]?[0-9] +)?	
<i>Permissible Value(s)</i>	<i>No Values</i>		

distance_resolution in Distance_and_Bearing_Representation

Name: distance_resolution			Version Id: 1.0.0.0
<i>Description:</i> The distance_resolution attribute provides the minimum distance measurable between two points, expressed in Planar Distance Units of measure.			
<i>Namespace Id:</i> cart	<i>Steward:</i> cart	<i>Class Name:</i> Distance_and_Bearing_Representation	<i>Type:</i> ASCII_Real
<i>Minimum Value:</i> 0.0	<i>Maximum Value:</i> 1.7976931348623157e30	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> Units_of_Map_Scale	<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> [-+]?[0-9]+(\.? [0-9] +)?([eE][-+]?[0-9] +)?	
<i>Permissible Value(s)</i>	<i>No Values</i>		

east_bounding_coordinate in Bounding_Coordinates

Name: east_bounding_coordinate			Version Id: 1.0.0.0
<i>Description:</i> The east_bounding_coordinate attribute provides the eastern-most coordinate of the limit of coverage expressed in longitude.			
<i>Namespace Id:</i> cart	<i>Steward:</i> cart	<i>Class Name:</i> Bounding_Coordinates	<i>Type:</i> ASCII_Real
<i>Minimum Value:</i> -180.0	<i>Maximum Value:</i> 360.0	<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> Real
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> [-+]?[0-9]+(\.? [0-9] +)?([eE][-+]?[0-9] +)?	
<i>Permissible Value(s)</i>	<i>No Values</i>		

grid_coordinate_system_name in Grid_Coordinate_System

Name: grid_coordinate_system_name			Version Id: 1.0.0.0
<i>Description:</i> The grid_coordinate_system_name attribute provides the name of the grid coordinate system.			
<i>Namespace Id:</i> cart	<i>Steward:</i> cart	<i>Class Name:</i> Grid_Coordinate_System	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</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>	
	ARC Coordinate System	The Equal Arc-second Coordinate System (Earth only), a plane-rectangular coordinate system established in Department of Defense, 1990, Military specification ARC Digitized Raster Graphics (ADRG) (MIL-A-89007): Philadelphia, Department of Defense, Defense Printing Service Detachment Office.	
	Other Grid System	A user defined grid coordinate system.	
	State Plane Coordinate System 1927	A plane-rectangular coordinate system (Earth only) established (1927) for each state in the United States by the National Geodetic Survey.	
	State Plane Coordinate System 1983	A plane-rectangular coordinate system (Earth only) established (updated, 1983) for each state in the United States by the National Geodetic Survey.	
	Universal Polar Stereographic	An Earth-defined grid system based on the polar stereographic projection, applied to the Earth's polar regions beyond 84 degrees north and 80 degrees south.	
	Universal Transverse Mercator	A grid system (Earth only) based on the transverse mercator projection, applied between latitudes 84 degrees north and 80 degrees south on the Earth's surface.	

latitude_of_projection_origin in Map_Projection_Base

Name: latitude_of_projection_origin			Version Id: 1.0.0.0
<i>Description:</i> The latitude_of_projection_origin attribute defines the latitude chosen as the origin of rectangular coordinates for a map projection.			
<i>Namespace Id:</i> cart	<i>Steward:</i> cart	<i>Class Name:</i> Map_Projection_Base	<i>Type:</i> ASCII_Real
<i>Minimum Value:</i> -90.0	<i>Maximum Value:</i> 90.0	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None

Name: latitude_of_projection_origin			Version Id: 1.0.0.0
<i>Unit of Measure Type:</i> Units_of_Angle	<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> [-]?[0-9]+(\.[0-9]+)?([eE][-+]?[0-9]+)?	
<i>Permissible Value(s)</i>			<i>No Values</i>

latitude_resolution in Geographic

Name: latitude_resolution			Version Id: 1.0.0.0
<i>Description:</i> The latitude_resolution attribute indicates the minimum difference between two adjacent latitude values expressed in angular units of measure.			
<i>Namespace Id:</i> cart	<i>Steward:</i> cart	<i>Class Name:</i> Geographic	<i>Type:</i> ASCII_Real
<i>Minimum Value:</i> 0.0	<i>Maximum Value:</i> 1.7976931348623157e308	<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> Real
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> [-]?[0-9]+(\.[0-9]+)?([eE][-+]?[0-9]+)?	
<i>Permissible Value(s)</i>			<i>No Values</i>

latitude_type in Geodetic_Model

Name: latitude_type			Version Id: 1.0.0.0
<i>Description:</i> The latitude_type attribute defines the type of latitude (planetographic, planetocentric) used within a cartographic product and as reflected in attribute values within associated PDS labels. The IAU definition for direction of positive longitude should be adopted: http://astrogeology.usgs.gov/groups/IAU-WGCCRE .			
<i>Namespace Id:</i> cart	<i>Steward:</i> cart	<i>Class Name:</i> Geodetic_Model	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</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>	
	Planetocentric	The Planetocentric system has an origin at the center of mass of the body. Planetocentric coordinates are defined by a vector from the center of mass of the body (often approximated as the center of figure) to the point of interest, typically but not necessarily a point on the surface (e.g., an impact crater with known position). The planetocentric latitude is the angle between the equatorial plane and the vector, while the planetocentric longitude is the angle between the prime meridian and the projection of the vector onto the equatorial plane.	

Name: latitude_type		Version Id: 1.0.0.0
	Planetographic	The Planetographic system also has an origin at the center of mass of the body. Planetographic coordinates, however, are defined by vectors perpendicular to a reference surface, often a biaxial ellipsoid that is centered on the body and chosen to describe the gross shape of the body. Reference surfaces vary from body to body and are defined by the WGCRE in consultation with the observers who provide the information to define such surfaces. The most common reference surface is an oblate spheroid aligned with the spin axis of the body. However, for certain applications the reference surface may be a triaxial ellipsoid, a gravitational equipotential, or a higher order surface model.

local_description in Local

Name: local_description		Version Id: 1.0.0.0	
<i>Description:</i> The local_description attribute provides a description of the coordinate system and its orientation to the surface of a planet.			
<i>Namespace Id:</i> cart	<i>Steward:</i> cart	<i>Class Name:</i> Local	<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>	

local_georeference_information in Local

Name: local_georeference_information		Version Id: 1.0.0.0	
<i>Description:</i> The local_description attribute provides a description of the information provided to register the local system to a planet (e.g. control points, satellite ephemeral data, inertial navigation data).			
<i>Namespace Id:</i> cart	<i>Steward:</i> cart	<i>Class Name:</i> Local	<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>	

local_planar_description in Local_Planar

Name: local_planar_description		Version Id: 1.0.0.0
<i>Description:</i> The local_planar_description attribute provides a description of the local planar system.		
<i>Namespace Id:</i> cart	<i>Steward:</i> cart	<i>Class Name:</i> Local_Planar
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None
<i>Permissible Value(s)</i>		<i>No Values</i>

local_planar_georeference_information in Local_Planar

Name: local_planar_georeference_information		Version Id: 1.0.0.0
<i>Description:</i> The local_planar_georeference_information attribute provides a description of the information provided to register the local planar system to a planet (e.g. control points, satellite ephemeral data, inertial navigation data).		
<i>Namespace Id:</i> cart	<i>Steward:</i> cart	<i>Class Name:</i> Local_Planar
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None
<i>Permissible Value(s)</i>		<i>No Values</i>

longitude_direction in Geodetic_Model

Name: longitude_direction		Version Id: 1.0.0.0
<i>Description:</i> The longitude_direction attribute identifies the direction of longitude (e.g. POSITIVE_EAST or POSITIVE_WEST) for a planet. The IAU definition for direction of positive longitude is adopted. Typically, for planets with prograde rotations, positive longitude direction is to the west. For planets with retrograde rotations, positive longitude direction is to the east. <i>Note:</i> The longitude_direction attribute should be used for planetographic systems, but not for planetocentric.		
<i>Namespace Id:</i> cart	<i>Steward:</i> cart	<i>Class Name:</i> Geodetic_Model
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 13
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</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>

Name: longitude_direction		Version Id: 1.0.0.0
	Positive East	Indicates longitude increases to the East.
	Positive West	Indicates longitude increases to the West.

longitude_of_central_meridian in Map_Projection_Base

Name: longitude_of_central_meridian		Version Id: 1.0.0.0	
<i>Description:</i> The longitude_of_central_meridian attribute defines the line of longitude at the center of a map projection generally used as the basis for constructing the projection.			
<i>Namespace Id:</i> cart	<i>Steward:</i> cart	<i>Class Name:</i> Map_Projection_Base	<i>Type:</i> ASCII_Real
<i>Minimum Value:</i> -180.0	<i>Maximum Value:</i> 180.0	<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> Real
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> [-+]?[0-9]+(\.? [0-9]+)?([eE][-+]?[0-9]+)?	
<i>Permissible Value(s)</i>	<i>No Values</i>		

longitude_resolution in Geographic

Name: longitude_resolution		Version Id: 1.0.0.0	
<i>Description:</i> The longitude_resolution attribute indicates the minimum difference between two adjacent longitude values expressed in angular units of measure.			
<i>Namespace Id:</i> cart	<i>Steward:</i> cart	<i>Class Name:</i> Geographic	<i>Type:</i> ASCII_Real
<i>Minimum Value:</i> 0.0	<i>Maximum Value:</i> 1.7976931348623157e308	<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> Real
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> [-+]?[0-9]+(\.? [0-9]+)?([eE][-+]?[0-9]+)?	
<i>Permissible Value(s)</i>	<i>No Values</i>		

map_projection_name in Map_Projection

Name: map_projection_name		Version Id: 1.0.0.0
<i>Description:</i> The map_projection_name attribute provides the name of the map projection.		
<i>Namespace Id:</i> cart	<i>Steward:</i> cart	<i>Class Name:</i> Map_Projection
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None

Attributes in the
Cartographic namespace.

Name: map_projection_name		Version Id: 1.0.0.0
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>
	Albers Conical Equal Area	The cartographic product is presented in Albers Conical Equal Area projection.
	Azimuthal Equidistant	The cartographic product is presented in Azimuthal Equidistant projection.
	Equidistant Conic	The cartographic product is presented in Equidistant Conic projection.
	Equirectangular	The cartographic product is presented in Equirectangular projection.
	General Vertical Near-sided Projection	The cartographic product is presented in General Vertical Near-sided Projection projection.
	Gnomonic	The cartographic product is presented in Gnomonic projection.
	Lambert Azimuthal Equal Area	The cartographic product is presented in Lambert Azimuthal Equal Area projection.
	Lambert Conformal Conic	The cartographic product is presented in Lambert Conformal Conic projection.
	Mercator	The cartographic product is presented in Mercator projection.
	Miller Cylindrical	The cartographic product is presented in Miller Cylindrical projection.
	Oblique Mercator	The cartographic product is presented in Oblique Mercator projection.
	Orthographic	The cartographic product is presented in Orthographic projection.
	Polar Stereographic	The cartographic product is presented in Polar Stereographic projection.
	Polyconic	The cartographic product is presented in Polyconic projection.
	Robinson	The cartographic product is presented in Robinson projection.
	Sinusoidal	The cartographic product is presented in Sinusoidal projection.
	Space Oblique Mercator	The cartographic product is presented in Space Oblique Mercator projection.
	Stereographic	The cartographic product is presented in Stereographic projection.
	Transverse Mercator	The cartographic product is presented in Transverse Mercator projection.
	van der Grinten	The cartographic product is presented in van der Grinten projection.

north_bounding_coordinate in Bounding_Coordinates

Name: north_bounding_coordinate		Version Id: 1.0.0.0	
<i>Description:</i> The north_bounding_coordinate attribute provides the northern-most coordinate of the limit of coverage expressed in latitude.			
<i>Namespace Id:</i> cart	<i>Steward:</i> cart	<i>Class Name:</i> Bounding_Coordinates	<i>Type:</i> ASCII_Real
<i>Minimum Value:</i> -90.0	<i>Maximum Value:</i> 90.0	<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> Real
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> [-]?[0-9]+(\.? [0-9]+)?([eE][-+]?[0-9]+)?	
<i>Permissible Value(s)</i>		<i>No Values</i>	

oblique_line_latitude in Oblique_Line_Point_Group

Name: oblique_line_latitude		Version Id: 1.0.0.0	
<i>Description:</i> The oblique_line_latitude attribute provides the latitude of a point defining the oblique line.			
<i>Namespace Id:</i> cart	<i>Steward:</i> cart	<i>Class Name:</i> Oblique_Line_Point_Group	<i>Type:</i> ASCII_Real
<i>Minimum Value:</i> -90.0	<i>Maximum Value:</i> 90.0	<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> Real
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> [-]?[0-9]+(\.? [0-9]+)?([eE][-+]?[0-9]+)?	
<i>Permissible Value(s)</i>		<i>No Values</i>	

oblique_line_longitude in Oblique_Line_Point_Group

Name: oblique_line_longitude		Version Id: 1.0.0.0	
<i>Description:</i> The oblique_line_longitude attribute provides the longitude of a point defining the oblique line.			
<i>Namespace Id:</i> cart	<i>Steward:</i> cart	<i>Class Name:</i> Oblique_Line_Point_Group	<i>Type:</i> ASCII_Real
<i>Minimum Value:</i> -180.0	<i>Maximum Value:</i> 180.0	<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> Real

Name: oblique_line_longitude			Version Id: 1.0.0.0
Status: Active	Nillable: false	Pattern: [-]?[0-9]+(.[?][0-9]+)?([eE][-+]?[0-9]+)?	
Permissible Value(s)	No Values		

pixel_resolution_x in Coordinate_Representation

Name: pixel_resolution_x			Version Id: 1.0.0.0
<i>Description:</i> The pixel_resolution_x and pixel_resolution_y attributes indicate the image array pixel resolution (distance/pixel or degree/pixel) relative to the Cartesian (x,y) coordinate system as defined by the map projection. Due to varying properties across different map projections, actual surface distances for an individual pixel may be accurate only at specific location(s) within the image array (e.g. reference latitude or longitude, standard parallels, etc). For most PDS products, x and y resolution values are equal ('square' pixels). The inclusion of both x and y attributes allows for anticipated products where resolution may differ for each axis ('rectangular' pixels). NOTE: Definition of this PDS4 attribute differs from how 'resolution' was defined within PDS3.			
<i>Namespace Id:</i> cart	<i>Steward:</i> cart	<i>Class Name:</i> Coordinate_Representation	<i>Type:</i> ASCII_Real
<i>Minimum Value:</i> 0.0	<i>Maximum Value:</i> 1.7976931348623157e30	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> Units_of_Map_Scale	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> Real
Status: Active	Nillable: false	Pattern: [-]?[0-9]+(.[?][0-9]+)?([eE][-+]?[0-9]+)?	
Permissible Value(s)	No Values		

pixel_resolution_y in Coordinate_Representation

Name: pixel_resolution_y			Version Id: 1.0.0.0
<i>Description:</i> The pixel_resolution_x and pixel_resolution_y attributes indicate the image array pixel resolution (distance/pixel or degree/pixel) relative to the Cartesian (x,y) coordinate system as defined by the map projection. Due to varying properties across different map projections, actual surface distances for an individual pixel may be accurate only at specific location(s) within the image array (e.g. reference latitude or longitude, standard parallels, etc). For most PDS products, x and y resolution values are equal ('square' pixels). The inclusion of both x and y attributes allows for anticipated products where resolution may differ for each axis ('rectangular' pixels). NOTE: Definition of this PDS4 attribute differs from how 'resolution' was defined within PDS3.			
<i>Namespace Id:</i> cart	<i>Steward:</i> cart	<i>Class Name:</i> Coordinate_Representation	<i>Type:</i> ASCII_Real
<i>Minimum Value:</i> 0.0	<i>Maximum Value:</i> 1.7976931348623157e30	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> Units_of_Map_Scale	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> Real
Status: Active	Nillable: false	Pattern: [-]?[0-9]+(.[?][0-9]+)?([eE][-+]?[0-9]+)?	

Name: pixel_resolution_y		Version Id: 1.0.0.0
Permissible Value(s)	No Values	

pixel_scale_x in Coordinate_Representation

Name: pixel_scale_x		Version Id: 1.0.0.0
<p>Description: The pixel_scale_x and pixel_scale_y attributes indicate the image array pixel scale (pixel/degree or pixel/distance) relative to the Cartesian (x,y) coordinate system as defined by the map projection. Due to varying properties across different map projections, actual surface distances for an individual pixel may be accurate only at specific location(s) within the image array (e.g. reference latitude or longitude, standard parallels, etc). For most PDS products, x and y scale values are equal ('square' pixels). The inclusion of both x and y attributes allows for anticipated products where scale may differ for each axis ('rectangular' pixels). NOTE1: For presentation of hard-copy maps, a map scale is traditionally expressed as a 'representative fraction' (the ratio of a hard-copy map to the actual subject surface (e.g. 1:250,000, where one unit of measure on the map equals 250,000 of the same unit on the body surface)). This usage is relevant when map/ data are presented on hard-copy media (paper, computer screen,etc). When defining pixel scale within a stored image/array context here, we are expressing a ratio between the image array and the actual surface (thus, pixel/degree or pixel/distance units). NOTE2: Definition of this PDS4 attribute differs from how 'scale' was defined within PDS3</p>		
<i>Namespace Id:</i> cart	<i>Steward:</i> cart	<i>Class Name:</i> Coordinate_Representation
<i>Minimum Value:</i> 0.0	<i>Maximum Value:</i> 1.7976931348623157e30	<i>Minimum Characters:</i> None
<i>Unit of Measure Type:</i> Units_of_Map_Scale	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> [-]?[0-9]+(\.? [0-9]+)?([eE][-+]?[0-9]+)?
Permissible Value(s)	No Values	

pixel_scale_y in Coordinate_Representation

Name: pixel_scale_y		Version Id: 1.0.0.0
<p>Description: The pixel_scale_x and pixel_scale_y attributes indicate the image array pixel scale (pixel/degree or pixel/distance) relative to the Cartesian (x,y) coordinate system as defined by the map projection. Due to varying properties across different map projections, actual surface distances for an individual pixel may be accurate only at specific location(s) within the image array (e.g. reference latitude or longitude, standard parallels, etc). For most PDS products, x and y scale values are equal ('square' pixels). The inclusion of both x and y attributes allows for anticipated products where scale may differ for each axis ('rectangular' pixels). NOTE1: For presentation of hard-copy maps, a map scale is traditionally expressed as a 'representative fraction' (the ratio of a hard-copy map to the actual subject surface (e.g. 1:250,000, where one unit of measure on the map equals 250,000 of the same unit on the body surface)). This usage is relevant when map/ data are presented on hard-copy media (paper, computer screen,etc). When defining pixel scale within a stored image/array context here, we are expressing a ratio between the image array and the actual surface (thus, pixel/degree or pixel/distance units). NOTE2: Definition of this PDS4 attribute differs from how 'scale' was defined within PDS3</p>		
<i>Namespace Id:</i> cart	<i>Steward:</i> cart	<i>Class Name:</i> Coordinate_Representation

Name: pixel_scale_y			Version Id: 1.0.0.0
<i>Minimum Value:</i> 0.0	<i>Maximum Value:</i> 1.7976931348623157e30	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> Units_of_Map_Scale	<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> [-]?[0-9]+(\.? [0-9] +)?([eE][-+]? [0-9] +)?	
<i>Permissible Value(s)</i>			<i>No Values</i>

planar_coordinate_encoding_method in Planar_Coordinate_Information

Name: planar_coordinate_encoding_method			Version Id: 1.0.0.0
<i>Description:</i> The planar_coordinate_encoding_method attribute indicates the means used to represent horizontal positions.			
<i>Namespace Id:</i> cart	<i>Steward:</i> cart	<i>Class Name:</i> Planar_Coordinate_Information	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</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 Meaning</i>	
Coordinate Pair		A coordinate pair is used to define a horizontal position.	
Distance and Bearing		Distance and Bearing values are used to define a horizontal position.	
Row and Column		Row and Column values are used to define a horizontal position.	

polar_radius in Geodetic_Model

Name: polar_radius			Version Id: 1.0.0.0
<i>Description:</i> The polar_radius attribute provides the value of the semiminor axis of the ellipsoid that defines the approximate shape of a target body. The polar radius is normal to the plane defined by the semi-major and semi-minor axes.			
<i>Namespace Id:</i> cart	<i>Steward:</i> cart	<i>Class Name:</i> Geodetic_Model	<i>Type:</i> ASCII_Real
<i>Minimum Value:</i> 0.0	<i>Maximum Value:</i> 1.7976931348623157e30	<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> [-]?[0-9]+(\.? [0-9] +)?([eE][-+]? [0-9] +)?	
<i>Permissible Value(s)</i>			

scale_factor_at_center_line in Map_Projection_Base

Name: scale_factor_at_center_line		Version Id: 1.0.0.0	
<i>Description:</i> The scale_factor_at_center_line attribute provides a multiplier for reducing a distance obtained from a map by computation or scaling to the actual distance along the center line.			
<i>Namespace Id:</i> cart	<i>Steward:</i> cart	<i>Class Name:</i> Map_Projection_Base	<i>Type:</i> ASCII_Real
<i>Minimum Value:</i> 0.0	<i>Maximum Value:</i> 1.7976931348623157e30	<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> [-+]?[0-9]+(\.? [0-9]+)?([eE][-+]?[0-9]+)?	
<i>Permissible Value(s)</i>	<i>No Values</i>		

scale_factor_at_central_meridian in Map_Projection_Base

Name: scale_factor_at_central_meridian		Version Id: 1.0.0.0	
<i>Description:</i> The scale_factor_at_central_meridian attribute provides a multiplier for reducing a distance obtained from a map by computation or scaling to the actual distance along the central meridian.			
<i>Namespace Id:</i> cart	<i>Steward:</i> cart	<i>Class Name:</i> Map_Projection_Base	<i>Type:</i> ASCII_Real
<i>Minimum Value:</i> 0.0	<i>Maximum Value:</i> 1.7976931348623157e30	<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> [-+]?[0-9]+(\.? [0-9]+)?([eE][-+]?[0-9]+)?	
<i>Permissible Value(s)</i>	<i>No Values</i>		

scale_factor_at_projection_origin in Map_Projection_Base

Name: scale_factor_at_projection_origin		Version Id: 1.0.0.0	
<i>Description:</i> The scale_factor_at_projection_origin attribute provides a multiplier for reducing a distance obtained from a map by computation or scaling to the actual distance at the projection origin.			
<i>Namespace Id:</i> cart	<i>Steward:</i> cart	<i>Class Name:</i> Map_Projection_Base	<i>Type:</i> ASCII_Real
<i>Minimum Value:</i> -1.7976931348623157e30	<i>Maximum Value:</i> 1.7976931348623157e30	<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

Name: scale_factor_at_projection_origin			Version Id: 1.0.0.0
Status: Active	Nillable: false	Pattern: [-]?[0-9]+(\.? [0-9]+)?([eE][-+]?[0-9]+)?	
Permissible Value(s)	No Values		

semi_major_radius in Geodetic_Model

Name: semi_major_radius			Version Id: 1.0.0.0
<i>Description:</i> The semi_major_axis attribute provides the radius of the equatorial axis of the ellipsoid.			
Namespace Id: cart	Steward: cart	Class Name: Geodetic_Model	Type: ASCII_Real
Minimum Value: 0.0	Maximum Value: 1.7976931348623157e30	Minimum Characters: None	Maximum Characters: None
Unit of Measure Type: Units_of_Length	Default Unit Id: None	Attribute Concept: None	Conceptual Domain: Real
Status: Active	Nillable: false	Pattern: [-]?[0-9]+(\.? [0-9]+)?([eE][-+]?[0-9]+)?	
Permissible Value(s)	No Values		

semi_minor_radius in Geodetic_Model

Name: semi_minor_radius			Version Id: 1.0.0.0
<i>Description:</i> The semi_minor_radius attribute provides the value of the intermediate axis of the ellipsoid that defines the approximate shape of a target body. The semi-minor axis is usually in the equatorial plane.			
Namespace Id: cart	Steward: cart	Class Name: Geodetic_Model	Type: ASCII_Real
Minimum Value: 0.0	Maximum Value: 1.7976931348623157e30	Minimum Characters: None	Maximum Characters: None
Unit of Measure Type: Units_of_Length	Default Unit Id: None	Attribute Concept: None	Conceptual Domain: Real
Status: Active	Nillable: false	Pattern: [-]?[0-9]+(\.? [0-9]+)?([eE][-+]?[0-9]+)?	
Permissible Value(s)	No Values		

south_bounding_coordinate in Bounding_Coordinates

Name: south_bounding_coordinate			Version Id: 1.0.0.0
<i>Description:</i> The south_bounding_coordinate attribute provides the southern-most coordinate of the limit of coverage expressed in latitude.			
Namespace Id: cart	Steward: cart	Class Name: Bounding_Coordinates	Type: ASCII_Real
Minimum Value: -90.0	Maximum Value: 90.0	Minimum Characters: None	Maximum Characters: None

Name: south_bounding_coordinate			Version Id: 1.0.0.0
<i>Unit of Measure Type:</i> Units_of_Angle	<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> [-+]?[0-9]+(\.[0-9]+)?([eE][-+]?[0-9]+)?	
<i>Permissible Value(s)</i>			<i>No Values</i>

spcs_zone_identifier in State_Plane_Coordinate_System

Name: spcs_zone_identifier			Version Id: 1.0.0.0
<i>Description:</i> The spcs_zone_identifier attribute identifies the SPCS zone.			
<i>Namespace Id:</i> cart	<i>Steward:</i> cart	<i>Class Name:</i> State_Plane_Coordinate_System	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 4	<i>Maximum Characters:</i> 4
<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> [0-9][0-9][0-9][0-9]	
<i>Permissible Value(s)</i>			<i>No Values</i>

spheroid_name in Geodetic_Model

Name: spheroid_name			Version Id: 1.0.0.0
<i>Description:</i> The spheroid_name attribute provides the identification given to established representations of a planet's shape.			
<i>Namespace Id:</i> cart	<i>Steward:</i> cart	<i>Class Name:</i> Geodetic_Model	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</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>

standard_parallel_1 in Map_Projection_Base

Name: standard_parallel_1			Version Id: 1.0.0.0
<i>Description:</i> The standard_parallel_1 attribute defines the first standard parallel (applicable only for specific projections), the first line of constant latitude at which the surface of the planet and the plane or developable surface intersect.			
<i>Namespace Id:</i> cart	<i>Steward:</i> cart	<i>Class Name:</i> Map_Projection_Base	<i>Type:</i> ASCII_Real
<i>Minimum Value:</i> -90.0	<i>Maximum Value:</i> 90.0	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None

Name: standard_parallel_1		Version Id: 1.0.0.0	
<i>Unit of Measure Type:</i> Units_of_Angle	<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> [-+]?[0-9]+(\.? [0-9]+)?([eE][-+]?[0-9]+)?	
<i>Permissible Value(s)</i>	<i>No Values</i>		

standard_parallel_2 in Map_Projection_Base

Name: standard_parallel_2	Version Id: 1.0.0.0		
<i>Description:</i> The standard_parallel_2 attribute defines the second standard parallel (applicable only for specific projections, a subset of specific projections where a first standard parallel is applicable), the second line of constant latitude at which the surface of the planet and the plane or developable surface intersect.			
<i>Namespace Id:</i> cart	<i>Steward:</i> cart	<i>Class Name:</i> Map_Projection_Base	<i>Type:</i> ASCII_Real
<i>Minimum Value:</i> -90.0	<i>Maximum Value:</i> 90.0	<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> Real
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> [-+]?[0-9]+(\.[0-9]+)?([eE][-+]?[0-9]+)?	
<i>Permissible Value(s)</i>	<i>No Values</i>		

upperleft corner x in Geo Transformation

Name: upperleft_corner_x	Version Id: 1.0.0.0		
<i>Description:</i> The upperleft_corner_x and upperleft_corner_y attributes provide the projection x and y values, in meters, relative to the map projection origin, at sample 0.5 and line 0.5 (upper left corner of pixel 1,1 within image array).			
Namespace Id: cart	Steward: cart	Class Name: Geo_Transformation	Type: ASCII_Real
Minimum Value: -1.7976931348623157e30	Maximum Value: 087976931348623157e30	Minimum Characters: None	Maximum Characters: None
Unit of Measure Type: Units_of_Length	Default Unit Id: None	Attribute Concept: None	Conceptual Domain: Real
Status: Active	Nillable: false	Pattern: [-]?[0-9]+(\.? [0-9]+)?([eE][-]?[0-9]+)?	
Permissible Value(s)	No Values		

upperleft_corner_y in Geo_Transformation

Name: upperleft_corner_y	Version Id: 1.0.0.0		
<i>Description:</i> The upperleft_corner_x and upperleft_corner_y attributes provide the projection x and y values, in meters, relative to the map projection origin, at sample 0.5 and line 0.5 (upper left corner of pixel 1,1 within image array).			
<i>Namespace Id:</i> cart	<i>Steward:</i> cart	<i>Class Name:</i> Geo_Transformation	<i>Type:</i> ASCII_Real

Name: upperleft_corner_y			Version Id: 1.0.0.0
<i>Minimum Value:</i> -1.7976931348623157e30	<i>Maximum Value:</i> 087976931348623157e30	<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> [-+]?[0-9]+(\.? [0-9]+)?([eE][-+]?[0-9]+)?	
<i>Permissible Value(s)</i>			<i>No Values</i>

ups_zone_identifier in Universal_Polar_Stereographic

Name: ups_zone_identifier			Version Id: 1.0.0.0
<i>Description:</i> The ups_zone_identifier attribute provides an identifier for the UPS zone.			
<i>Namespace Id:</i> cart	<i>Steward:</i> cart	<i>Class Name:</i> Universal_Polar_Stereographic	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</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	Earth UPS Zone A (South Pole, Western Hemisphere segment)
		B	Earth UPS Zone B (South Pole, Eastern Hemisphere segment)
		Y	Earth UPS Zone Y (North Pole, Western Hemisphere segment)
		Z	Earth UPS Zone Z (North Pole, Eastern Hemisphere segment)

utm_zone_number in Universal_Transverse_Mercator

Name: utm_zone_number			Version Id: 1.0.0.0
<i>Description:</i> The utm_zone_number attribute provides the identifier for the UTM zone.			
<i>Namespace Id:</i> cart	<i>Steward:</i> cart	<i>Class Name:</i> Universal_Transverse_Mercator	<i>Type:</i> ASCII_Integer
<i>Minimum Value:</i> -60	<i>Maximum Value:</i> 60	<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>

west_bounding_coordinate in Bounding_ Coordinates

Name: west_bounding_coordinate		Version Id: 1.0.0.0	
<i>Description:</i> The west_bounding_coordinate attribute provides the western-most coordinate of the limit of coverage expressed in longitude.			
<i>Namespace Id:</i> cart	<i>Steward:</i> cart	<i>Class Name:</i> Bounding_Coordinates	<i>Type:</i> ASCII_Real
<i>Minimum Value:</i> -180.0	<i>Maximum Value:</i> 360.0	<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> Real
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> [-]?[0-9]+(\.[0-9]+)?([eE][-+]?[0-9]+)?	
<i>Permissible Value(s)</i>		<i>No Values</i>	

Chapter 13. Attributes in the Display namespace.

These attributes are used by the classes defined for the Display namespace.

blue_channel_band in Color_Display_Settings

Name: blue_channel_band		Version Id: 1.0.0.0	
<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> 9223372036854775807	<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

Name: color_display_axis		Version Id: 1.0.0.0	
<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

Name: frame_rate		Version Id: 1.0.0.0	
<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

Name: frame_rate			Version Id: 1.0.0.0
<i>Minimum Value:</i> 1.0	<i>Maximum Value:</i> 1.7976931348623157e308	<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> [-]?[0-9]+(\.[0-9]+)?([eE][-+]?[0-9]+)?	
<i>Permissible Value(s)</i>			<i>No Values</i>

green_channel_band in Color_Display_Settings

Name: green_channel_band			Version Id: 1.0.0.0
<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> 9223372036854775807	<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

Name: horizontal_display_axis			Version Id: 1.0.0.0
<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

Name: horizontal_display_direction			Version Id: 1.0.0.0
<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.			
<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

Name: loop_back_and_forth_flag			Version Id: 1.0.0.0
<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.	

Name: loop_back_and_forth_flag		Version Id: 1.0.0.0
	true	When looping, the movie should be played in the forward direction, followed by the reverse direction, iteratively.

loop_count in Movie_Display_Settings

Name: loop_count		Version Id: 1.0.0.0	
<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> 9223372036854775807	<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

Name: loop_delay		Version Id: 1.0.0.0	
<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> 1.7976931348623157e308	<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> [-]?[0-9]+(?:[0-9]+)?([eE][-]?[0-9]+)?	
<i>Permissible Value(s)</i>	<i>No Values</i>		

loop_flag in Movie_Display_Settings

Name: loop_flag		Version Id: 1.0.0.0
<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>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</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>

Name: loop_flag		Version Id: 1.0.0.0
	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

Name: red_channel_band		Version Id: 1.0.0.0	
<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> 9223372036854775807	<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

Name: time_display_axis		Version Id: 1.0.0.0	
<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

Name: vertical_display_axis		Version Id: 1.0.0.0
<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>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1
		<i>Maximum Characters:</i> 255

Name: vertical_display_axis			Version Id: 1.0.0.0
<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

Name: vertical_display_direction			Version Id: 1.0.0.0
<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.	

Chapter 14. Data Types in the common namespace.

These classes define the data types.

ASCII_AnyURI

Name: ASCII_AnyURI		Version Id: 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>Pattern</i>			

ASCII_Boolean

Name: ASCII_Boolean		Version Id: 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>Pattern</i>			

ASCII_DOI

Name: ASCII_DOI		Version Id: 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

Name: ASCII_Date		Version Id: 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>			

Name: ASCII_Date	Version Id: 1.1.0.0
(-)?[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

Name: ASCII_Date_DOY	Version Id: 1.0.0.0		
<i>Description</i> The ASCII_Date_DOY class indicates a date in DOY format.			
Schema Base Type: string			
Minimum Value: None	Maximum Value: None	Minimum Characters: None	Maximum Characters: 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

Name: ASCII_Date_Time	Version Id: 1.1.0.0		
<i>Description</i> The ASCII_Date_Time class indicates a date in either YMD or DOY format and time.			
Schema Base Type: string			
Minimum Value: None	Maximum Value: None	Minimum Characters: None	Maximum Characters: 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]))))			
(-)?[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)?			

Name: ASCII_Date_Time	Version Id: 1.1.0.0
	(-)?[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

Name: ASCII_Date_Time_DOY	Version Id: 1.2.0.0		
<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

Name: ASCII_Date_Time_DOY_UTC	Version Id: 1.0.0.0		
<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?)		

Name: ASCII_Date_Time_DOY_UTC	Version Id: 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

Name: ASCII_Date_Time_UTC	Version Id: 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

Name: ASCH_Date_Time_YMD	Version Id: 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	

Name: ASCII_Date_Time_YMD			Version Id: 1.1.0.0
<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

Name: ASCII_Date_Time_YMD_UTC			Version Id: 1.0.0.0
<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>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

Name: ASCII_Date_YMD			Version Id: 1.1.0.0
<i>Description</i> The ASCII_Date_YMD class indicates a date in YMD format.			

Name: ASCII_Date_YMD			Version Id: 1.1.0.0
<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

Name: ASCII_Directory_Path_Name			Version Id: 1.1.0.0
<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

Name: ASCII_File_Name			Version Id: 1.1.0.0
<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

Name: ASCII_File_Specification_Name			Version Id: 1.1.0.0
<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

Name: ASCII_Integer			Version Id: 1.1.0.0
<i>Description</i> The ASCII_Integer class indicates an integer.			

Name: ASCII_Integer			Version Id: 1.1.0.0
<i>Schema Base Type:</i> long			
<i>Minimum Value:</i> -9223372036854775808	<i>Maximum Value:</i> 9223372036854775807	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>No Pattern</i>			

ASCII_LID

Name: ASCII_LID			Version Id: 1.1.0.0
<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

Name: ASCII_LIDVID			Version Id: 1.1.0.0
<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

Name: ASCII_LIDVID_LID			Version Id: 1.1.0.0
<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_Local_Identifier

Name: ASCII_Local_Identifier			Version Id: 1.0.0.0
<i>Description</i> The ASCII Local Identifier class indicates a unique identifier local to the label.			
<i>Schema Base Type:</i> ID			
<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_Local_Identifier_Reference

<i>Name:</i> ASCII_Local_Identifier_Reference		<i>Version Id:</i> 1.0.0.0	
<i>Description</i> The ASCII_Local_Identifier_Reference class indicates a reference to a unique identifier local to the label.			
<i>Schema Base Type:</i> IDREF			
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Pattern</i>			

ASCII_MD5_Checksum

<i>Name:</i> ASCII_MD5_Checksum		<i>Version Id:</i> 1.1.0.0	
<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
<i>Pattern</i>			
[0-9a-fA-F]{32}			

ASCII_NonNegative_Integer

<i>Name:</i> ASCII_NonNegative_Integer		<i>Version Id:</i> 1.0.0.0	
<i>Description</i> The ASCII_NonNegative_Integer class indicates a non-negative integer.			
<i>Schema Base Type:</i> unsignedLong			
<i>Minimum Value:</i> 0	<i>Maximum Value:</i> 18446744073709551615	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Pattern</i>			
[0-9]+			

ASCII_Numeric_Base16

<i>Name:</i> ASCII_Numeric_Base16		<i>Version Id:</i> 1.0.0.0	
<i>Description</i> The ASCII Numeric Base16 class indicates an ASCII character representation of a non-negative unsigned integer in base 16. Must consist of the characters 0 through 9, and A through F or a through f. May not be preceded by any sign (+/-) notation.			
<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>Pattern</i>			

ASCII_Numeric_Base2

Name: ASCII_Numeric_Base2	Version Id: 1.2.0.0		
<i>Description</i> The ASCII Numeric Base2 class indicates an ASCII character representation of a non-negative unsigned integer in base 2. Must consist of the characters 0 and 1. May not be preceded by any sign (+/-) notation.			
<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

Name: ASCII_Numeric_Base8	Version Id: 1.2.0.0		
<i>Description</i> The ASCII Numeric Base8 class indicates an ASCII character representation of a non-negative unsigned integer in base 8. Must consist of the characters 0 through 7. May not be preceded by any sign (+/-) notation.			
<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>		
	[0-7]{1,255}		

ASCII_Real

Name: ASCII_Real	Version Id: 1.0.0.0		
<i>Description</i> The ASCII_Real class indicates a real.			
<i>Schema Base Type:</i> double			
<i>Minimum Value:</i> -1.7976931348623157e308	<i>Maximum Value:</i> 931348623157e308	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
	<i>Pattern</i>		
	[-+]?[0-9]+(\.? [0-9]+)?([eE][-+]?[0-9]+)?		

ASCII_Short_String_Collapsed

Name: ASCII_Short_String_Collapsed	Version Id: 1.0.0.0		
<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

Name: ASCII_Short_String_Collapsed	Version Id: 1.0.0.0
<i>No Pattern</i>	

ASCII_Short_String_Preserved

Name: ASCII_Short_String_Preserved	Version Id: 1.0.0.0		
<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

Name: ASCII_String	Version Id: 1.0.0.0		
<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

Name: ASCII_Text_Collapsed	Version Id: 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

Name: ASCII_Text_Preserved	Version Id: 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

Name: ASCII_Time		Version Id: 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

Name: ASCII_VID		Version Id: 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>					
0\.([1-9] ([0-9][0-9]+))					
[1-9][0-9]*					
[1-9][0-9]*\.[0-9]+					

Binary_Data_Type

Name: Binary_Data_Type		Version Id: 1.0.0.0	
<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

Name: Character_Data_Type		Version Id: 1.0.0.0	
<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			

Name: Character_Data_Type				Version Id: 1.0.0.0
<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

Name: Complex				Version Id: 1.0.0.0
<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

Name: ComplexLSB16				Version Id: 1.0.0.0
<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

Name: ComplexLSB8				Version Id: 1.0.0.0
<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

Name: ComplexMSB16				Version Id: 1.0.0.0
<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

Name: ComplexMSB8	Version Id: 1.0.0.0		
<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

Name: Data_Type	Version Id: 1.0.0.0		
<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

Name: Decimal_Integer	Version Id: 1.0.0.0		
<i>Description</i> Decimal Integer 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>			

Decimal_Real

Name: Decimal_Real	Version Id: 1.0.0.0		
<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

Name: IEEE754LSBDouble	Version Id: 1.0.0.0		
<i>Description</i> IEEE 754 LSB double precision floating point			
<i>Schema Base Type:</i> None			

Name: IEEE754LSBDouble			Version Id: 1.0.0.0
<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

Name: IEEE754LSBSingle			Version Id: 1.0.0.0
<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

Name: IEEE754MSBDouble			Version Id: 1.0.0.0
<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

Name: IEEE754MSBSingle			Version Id: 1.0.0.0
<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

Name: SignedBitString			Version Id: 1.0.0.0
<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

Name: SignedByte		Version Id: 1.0.0.0	
<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

Name: SignedLSB2		Version Id: 1.0.0.0	
<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

Name: SignedLSB4		Version Id: 1.0.0.0	
<i>Description</i> Signed 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>			

SignedLSB8

Name: SignedLSB8		Version Id: 1.0.0.0	
<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

Name: SignedMSB2		Version Id: 1.0.0.0
<i>Description</i> Signed 2's-complement MSB 2-byte integer		
<i>Schema Base Type:</i> None		

Name: SignedMSB2			Version Id: 1.0.0.0
<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

Name: SignedMSB4			Version Id: 1.0.0.0
Description 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

Name: SignedMSB8			Version Id: 1.0.0.0
Description 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

Name: UTF8_Short_String_Collapsed			Version Id: 1.0.0.0
Description 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

Name: UTF8_Short_String_Preserved			Version Id: 1.0.0.0
Description 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

Name: UTF8_String		Version Id: 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>No Pattern</i>		

UTF8_Text_Preserved

Name: UTF8_Text_Preserved		Version Id: 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>No Pattern</i>		

UnsignedBitString

Name: UnsignedBitString		Version Id: 1.0.0.0
<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>No Pattern</i>		

UnsignedByte

Name: UnsignedByte		Version Id: 1.0.0.0
<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>No Pattern</i>		

UnsignedLSB2

Name: UnsignedLSB2		Version Id: 1.0.0.0
<i>Description</i> Unsigned 2's-complement LSB 2-byte integer		

Name: UnsignedLSB2			Version Id: 1.0.0.0
<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

Name: UnsignedLSB4			Version Id: 1.0.0.0
<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

Name: UnsignedLSB8			Version Id: 1.0.0.0
<i>Description</i> Unsigned 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>			

UnsignedMSB2

Name: UnsignedMSB2			Version Id: 1.0.0.0
<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

Name: UnsignedMSB4			Version Id: 1.0.0.0
<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

Name: UnsignedMSB8	Version Id: 1.0.0.0		
<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>		

Chapter 15. Units of Measure in the common namespace.

These classes define the units of measure.

Unit_Of_Measure

Name: Unit_Of_Measure	Version Id: 1.1.0.0
<i>Description:</i> The Unit_Of_Measure is a definite magnitude of a quantity.	
	<i>Unit Id</i>
	None

Units_of_Acceleration

Name: Units_of_Acceleration	Version Id: 1.0.0.0	
<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

Name: Units_of_Amount_Of_Substance	Version Id: 1.0.0.0	
<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

Name: Units_of_Angle	Version Id: 1.0.0.0	
<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
	mrad	The abbreviated unit for Units_of_Angle is mrad

Units of Measure in the common namespace.

Name: Units_of_Angle		Version Id: 1.0.0.0
	rad	The abbreviated unit for Units_of_Angle is rad

Units_of_Angular_Velocity

Name: Units_of_Angular_Velocity		Version Id: 1.0.0.0
<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

Name: Units_of_Area		Version Id: 1.0.0.0
<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

Name: Units_of_Current		Version Id: 1.1.0.0
<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

Name: Units_of_Frame_Rate		Version Id: 1.0.0.0
<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

Name: Units_of_Frequency		Version Id: 1.0.0.0
<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

Name: Units_of_Length		Version Id: 1.0.0.0
<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 (10-6 m)
	mm	The abbreviated unit for Units_of_Length is mm (10-3 m)
	nm	The abbreviated unit for Units_of_Length is nm (10-9 m)

Units_of_Map_Scale

Name: Units_of_Map_Scale		Version Id: 1.0.0.0
<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

Name: Units_of_Mass		Version Id: 1.0.0.0
<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

Name: Units_of_Misc		Version Id: 1.0.0.0
<i>Description:</i> Units_of_Misc provides an assortment of derived units.		

Name: Units_of_Misc		Version Id: 1.0.0.0
	<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

Name: Units_of_None		Version Id: 1.0.0.0
<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

Name: Units_of_Optical_Path_Length		Version Id: 1.0.0.0
<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_Pixel_Resolution_Angular

Name: Units_of_Pixel_Resolution_Angular		Version Id: 1.0.0.0
<i>Description:</i> The class Units_of_Pixel_Resolution_Angular provides the units in which pixel resolution is defined in an angular context. Angular pixel resolution, the inverse of angular pixel scale, indicates the angular size subtended by a single pixel (e.g., 6.5 deg/pixel, 1.0 arcsec/pixel).		
	<i>Unit Id</i>	
	arcsec/pixel	The abbreviated unit for Units_of_Pixel_Resolution_Angular is arcsec/pixel
	deg/pixel	The abbreviated unit for Units_of_Pixel_Resolution_Angular is deg/pixel
	radian/pixel	The abbreviated unit for Units_of_Pixel_Resolution_Angular is radian/pixel

Units_of_Pixel_Resolution_Linear

Name: Units_of_Pixel_Resolution_Linear		Version Id: 1.0.0.0
<i>Description:</i> The class Units_of_Pixel_Resolution_Linear provides the units in which pixel resolution is defined in an linear context. Linear pixel resolution, the inverse of linear pixel scale, indicates the linear size of a pixel typically expressed in terms of a length per single pixel (e.g., 6.5 m/pixel, 1.0 km/pixel).		

Name: Units_of_Pixel_Resolution_Linear		Version Id: 1.0.0.0
	<i>Unit Id</i>	
	km/pixel	The abbreviated unit for Units_of_Pixel_Resolution_Linear is km/pixel
	m/pixel	The abbreviated unit for Units_of_Pixel_Resolution_Linear is m/pixel
	mm/pixel	The abbreviated unit for Units_of_Pixel_Resolution_Linear is mm/pixel

Units_of_Pixel_Resolution_Map

Name: Units_of_Pixel_Resolution_Map		Version Id: 1.0.0.0
	<i>Unit Id</i>	
<i>Description:</i> The class Units_of_Pixel_Resolution_Map provides the units for pixel resolution in a cartographic context. Map pixel resolution indicates the size of a pixel in a digital map expressed in terms of surface distance per single pixel. This value is dependent on the definition of the map projection or radius to the object. (e.g., 6.5 m/pixel, 1.0 km/pixel) Note: In a cartographic context, degree is interpreted as a surface distance measured in degrees of latitude or longitude.		
	deg/pixel	The abbreviated unit for Units_of_Pixel_Resolution_Map is deg/pixel where 'deg' is interpreted as a surface distance measured in degrees of latitude or longitude
	km/pixel	The abbreviated unit for Units_of_Pixel_Resolution_Map is km/pixel
	m/pixel	The abbreviated unit for Units_of_Pixel_Resolution_Map is m/pixel
	mm/pixel	The abbreviated unit for Units_of_Pixel_Resolution_Map is mm/pixel

Units_of_Pixel_Scale_Angular

Name: Units_of_Pixel_Scale_Angular		Version Id: 1.0.0.0
	<i>Unit Id</i>	
<i>Description:</i> The class Units_of_Pixel_Scale_Angular provides the units in which a pixel scale is defined in an angular context. Pixel scale, in terms of angular units, indicates the angular size of a pixel typically expressed as pixel per unit angle (e.g., 0.125 pixel/deg , 0.5 pixel/arcsec).		
	pixel/arcsec	The abbreviated unit for Units_of_Pixel_Scale_Angular is pixel/arcsec
	pixel/deg	The abbreviated unit for Units_of_Pixel_Scale_Angular is pixel/deg
	pixel/radian	The abbreviated unit for Units_of_Pixel_Scale_Angular is pixel/radian

Units_of_Pixel_Scale_Linear

Name: Units_of_Pixel_Scale_Linear		Version Id: 1.0.0.0
	<i>Unit Id</i>	
<i>Description:</i> The class Units_of_Pixel_Scale_Linear provides the units in which a pixel scale is defined in a linear context. Pixel scale, in terms of linear units, is the inverse distance represented		

Name: Units_of_Pixel_Scale_Linear		Version Id: 1.0.0.0
by one pixel in an image, typically expressed as pixel per unit length (0.125 pixel/m , 0.5 pixel/km).		
	<i>Unit Id</i>	
	pixel/km	The abbreviated unit for Units_of_Pixel_Scale_Linear is pixel/km
	pixel/m	The abbreviated unit for Units_of_Pixel_Scale_Linear is pixel/m
	pixel/mm	The abbreviated unit for Units_of_Pixel_Scale_Linear is pixel/mm

Units_of_Pixel_Scale_Map

Name: Units_of_Pixel_Scale_Map		Version Id: 1.0.0.0
<i>Description:</i> The class Units_of_Pixel_Scale_Map provides the units for pixel scale in a cartographic context. Map pixel scale is the inverse distance represented by one pixel in a digital map, expressed as pixel per unit length in terms of surface distance. For example, 4 pixel/deg image on Venus = 4 pixel/deg image on Mars = 1440x720 pixels. Note: In a cartographic context, degree is interpreted as a surface distance measured in degrees of latitude or longitude.		
	<i>Unit Id</i>	
	pixel/deg	The abbreviated unit for Units_of_Pixel_Scale_Map is pixel/deg where 'deg' is interpreted as a surface distance measured in degrees of latitude or longitude

Units_of_Pressure

Name: Units_of_Pressure		Version Id: 1.0.0.0
<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

Name: Units_of_Radiance		Version Id: 1.1.0.0
<i>Description:</i> Units_of_Radiance is a magnitude of radiance.		
	<i>Unit Id</i>	
	$W^{**-2}sr^{**-1}$	The abbreviated unit of Units_of_Radiance is $W^{**-2}sr^{**-1}$
	$W/(m^{**2}sr)$	The abbreviated unit of Units_of_Radiance is $W/(m^{**2}sr)$

Units_of_Rates

Name: Units_of_Rates		Version Id: 1.0.0.0
<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

Name: Units_of_Solid_Angle		Version Id: 1.0.0.0
<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

Name: Units_of_Spectral_Irradiance		Version Id: 1.0.0.0
<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
	$W*m**-2*Hz**-1$	The abbreviated unit for Units_of_Spectral_Irradiance is $W*m**-2*Hz**-1$
	$W*m**-2*nm**-1$	The abbreviated unit for Units_of_Spectral_Irradiance is $W*m**-2*nm**-1$
	$W*m**-3$	The abbreviated unit for Units_of_Spectral_Irradiance is $W*m**-3$
	$W/m**2/Hz$	The abbreviated unit for Units_of_Spectral_Irradiance is $W/m**2/Hz$
	$W/m**2/nm$	The abbreviated unit for Units_of_Spectral_Irradiance is $W/m**2/nm$
	$W/m**3$	The abbreviated unit for Units_of_Spectral_Irradiance is $W/m**3$
	$uW*cm**-2*um**-1$	The abbreviated unit for Units_of_Spectral_Irradiance is $uW*cm**-2*um**-1$
	$\mu W/cm**2/\mu m$	The abbreviated unit for Units_of_Spectral_Radiance is $\mu W/cm**2/\mu m$

Units_of_Spectral_Radiance

Name: Units_of_Spectral_Radiance		Version Id: 1.0.0.0
<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** The abbreviated unit for Units_of_Spectral_Radiance is W*m**-2*sr**-1*Hz**-1	
	W*m**-2*sr**-1*nm** The abbreviated unit for Units_of_Spectral_Radiance is W*m**-2*sr**-1*nm**-1	
	W*m**-2*sr**-1*um** 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/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** The abbreviated unit for Units_of_Spectral_Radiance is uW*cm**-2*sr**-1*um**-1	The abbreviated unit for Units_of_Spectral_Radiance is byte
	μW/cm**2/sr/μm	

Units_of_Storage

Name: Units_of_Storage		Version Id: 1.0.0.0
<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

Name: Units_of_Temperature		Version Id: 1.0.0.0
<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

Name: Units_of_Temperature		Version Id: 1.0.0.0
	degC	The abbreviated unit of Units_of_Temperature is degC

Units_of_Time

Name: Units_of_Time		Version Id: 1.0.0.0
<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

Name: Units_of_Velocity		Version Id: 1.0.0.0
<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

Name: Units_of_Voltage		Version Id: 1.0.0.0
<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

Name: Units_of_Volume		Version Id: 1.0.0.0
<i>Description:</i> Units_of_Volume is a magnitude of volume.		

Name: Units_of_Volume		Version Id: 1.0.0.0
	<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

Name: Units_of_Wavenumber		Version Id: 1.0.0.0
	<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}