

PDS4 Data Dictionary

Abridged - Version 1.15.0.0

PDS4 Data Dictionary: Abridged - Version 1.15.0.0

Generated from Information Model Version 1.15.0.0 on Wed Dec 23 10:16:28 EST 2020

Contains namespace ids: pds v1.15.0.0

Table of Contents

1. Introduction	1
Audience	1
Acknowledgements	1
Scope	1
Applicable Documents	1
Terminology	1
2. Product Classes in the common namespace.	3
Ingest_LDD	3
Product_AIP	3
Product_Ancillary	4
Product_Attribute_Definition	4
Product_Browse	4
Product_Bundle	5
Product_Class_Definition	5
Product_Collection	5
Product_Context	6
Product_DIP	6
Product_DIP_Deep_Archive	7
Product_Data_Set_PDS3	7
Product_Document	7
Product_File_Repository	8
Product_File_Text	8
Product_Instrument_Host_PDS3	8
Product_Instrument_PDS3	9
Product_Metadata_Supplemental	9
Product_Mission_PDS3	9
Product_Native	10
Product_Observational	10
Product_Proxy_PDS3	10
Product_SIP	11
Product_SIP_Deep_Archive	11
Product_SPICE_Kernel	11
Product_Service	12
Product_Software	12
Product_Subscription_PDS3	13
Product_Target_PDS3	13
Product_Thumbnail	13
Product_Update *Deprecated*	14
Product_Volume_PDS3	14
Product_Volume_Set_PDS3	14
Product_XML_Schema	15
Product_Zipped	15
3. Support classes in the common namespace.	16
Agency	16
Aggregation_Object	16
Airborne *Deprecated*	16
Alias	17
Alias_List	17
Ancillary_Object	17
Archival_Information_Package	18
Archive_Support_Object	18
Array	18
Array_1D	19
Array_2D	19
Array_2D_Image	20

Array_2D_Map	21
Array_2D_Spectrum	21
Array_3D	22
Array_3D_Image	23
Array_3D_Movie	23
Array_3D_Spectrum	24
Axis_Array	25
Band_Bin *Deprecated*	25
Band_Bin_Set *Deprecated*	26
Bundle	26
Bundle_Member_Entry	26
Byte_Stream	27
Checksum_Manifest	27
Citation_Information	28
Collection	28
Composite_Structure	28
Conceptual_Context_Object	29
Conceptual_Object	29
Context_Area	29
DD_Associate_External_Class	30
DD_Association	30
DD_Association_External *Deprecated*	31
DD_Attribute	31
DD_Attribute_Full	32
DD_Attribute_Reference	33
DD_Class	33
DD_Class_Full	34
DD_Class_Reference	34
DD_Context_Value_List	35
DD_Permissible_Value	35
DD_Permissible_Value_Full	35
DD_Rule	36
DD_Rule_Statement	36
DD_Value_Domain	36
DD_Value_Domain_Full	38
DIP_Deep_Archive	40
Data_Object	41
Digital_Object	41
Discipline_Area	41
Discipline_Facets	42
Display_2D_Image *Deprecated*	42
Dissemination_Information_Package	42
Document	43
Document_Edition	43
Document_File	44
Document_Object	44
Element_Array	45
Encoded_Audio	45
Encoded_Binary	46
Encoded_Byte_Stream	46
Encoded_Header	47
Encoded_Image	47
Encoded_Native	48
External_Reference	48
External_Reference_Extended	49
Facility	49
Field	49
Field_Binary	50

Field_Bit	51
Field_Character	52
Field_Delimited	53
Field_Statistics	54
File	54
File_Area	55
File_Area_Ancillary	55
File_Area_Binary	56
File_Area_Browse	56
File_Area_Checksum_Manifest	56
File_Area_Encoded_Image	57
File_Area_Inventory	57
File_Area_Metadata	57
File_Area_Native	58
File_Area_Observational	58
File_Area_Observational_Supplemental	59
File_Area_SIP_Deep_Archive	59
File_Area_SPICE_Kernel	60
File_Area_Service_Description	60
File_Area_Text	60
File_Area_Transfer_Manifest	60
File_Area_Update *Deprecated*	61
File_Area_XML_Schema	61
Finding_Aid_Object	61
Group	62
Group_Facet1	62
Group_Facet2	63
Group_Field_Binary	63
Group_Field_Character	64
Group_Field_Delimited	64
Header	64
Identification_Area	65
Information_Package	66
Information_Package_Component	67
Information_Package_Component_Deep_Archive	67
Instrument	68
Instrument_Host	69
Internal_Reference	70
Inventory	70
Investigation	71
Investigation_Area	71
Local_ID_Reference	72
Local_ID_Relation	72
Local_Internal_Reference	72
Manifest_SIP_Deep_Archive	73
Mission_Area	73
Modification_Detail	74
Modification_History	74
NSSDC	74
Native_Object	75
Node	75
Object_Statistics	75
Observation_Area	76
Observational_Object	77
Observing_System	77
Observing_System_Component	77
Other	78
PDS_Affiliate	78

PDS_Guest	79
Packed_Data_Fields	79
Parsable_Byte_Stream	80
Physical_Context_Object	80
Physical_Object	80
Primary_Result_Summary	81
Product	82
Product_Components	82
Property_Map	82
Property_Map_Entry	83
Property_Maps	83
Quaternion	83
Quaternion_Component	84
Record	84
Record_Binary	84
Record_Character	85
Record_Delimited	85
Reference_List	86
Resource	86
SIP_Deep_Archive	87
SPICE_Kernel	87
SPICE_Kernel_Object	88
Science_Facets	88
Service	88
Service_Description	89
Software	90
Software_Binary	90
Software_Script	91
Software_Source	91
Source_Product_External	92
Source_Product_Internal	92
Special_Constants	93
Stream_Text	93
Submission_Information_Package	94
Supplemental_Object	94
Symbolic_Literals_PDS	95
TNDO_Context	95
TNDO_Supplemental	95
Table_Base	95
Table_Binary	96
Table_Character	96
Table_Delimited	97
Table_Delimited_Source_Product_External	98
Table_Delimited_Source_Product_Internal	98
Tagged_Digital_Child	99
Tagged_Digital_Object	99
Tagged_NonDigital_Child	100
Tagged_NonDigital_Object	100
Target	100
Target_Identification	101
Telescope	101
Term_Map_SKOS	102
Terminological_Entry	102
Terminological_Entry_SKOS	103
Time_Coordinates	103
Transfer_Manifest	104
Type_List_Area	104
Uniformly_Sampled	104

Update *Deprecated*	105
Update_Entry	105
Update_Object	106
Vector	106
Vector_Cartesian_3	107
Vector_Cartesian_3_Acceleration	107
Vector_Cartesian_3_Pointing	107
Vector_Cartesian_3_Position	108
Vector_Cartesian_3_Velocity	108
Vector_Component	108
XML_Schema	109
Zip	109
4. PDS3 catalog classes in the common namespace.	110
Data_Set_PDS3	110
Instrument_Host_PDS3	111
Instrument_PDS3	111
Mission_PDS3	112
Subscriber_PDS3	112
TNDO_Context_PDS3	112
Target_PDS3	113
Volume_PDS3	113
Volume_Set_PDS3	114
5. Attributes in the common namespace.	115
abstract_desc in Data_Set_PDS3	115
abstract_desc in Service	115
abstract_flag in DD_Class	115
abstract_flag in DD_Class_Full	116
acknowledgement_text in Document	116
address in Facility	116
affiliation_type in PDS_Affiliate	116
aip_label_checksum in Information_Package_Component_Deep_Archive	117
aip_lidvid in Information_Package_Component_Deep_Archive	117
alternate_designation in Target_Identification	118
alternate_id in Alias	118
alternate_telephone_number in PDS_Affiliate	118
alternate_title in Alias	119
altitude in Telescope *Deprecated*	119
aperture in Telescope	119
archive_status in Data_Set_PDS3	119
archive_status in Volume_PDS3	121
archive_status_note in Volume_PDS3	123
attribute_concept in DD_Attribute_Full	123
attribute_name in DD_Context_Value_List	126
attribute_relative_xpath in DD_Context_Value_List	126
author_list in Citation_Information	127
author_list in Document	127
author_list in Software	127
axes in Array	128
axes in Array_1D	128
axes in Array_2D	128
axes in Array_3D	129
axis_index_order in Array	129
axis_name in Axis_Array	129
band_number in Band_Bin *Deprecated*	130
band_width in Band_Bin *Deprecated*	130
bit_fields in Packed_Data_Fields	130
bit_mask in Object_Statistics *Deprecated*	131
bit_string in Digital_Object	131

bundle_type in Bundle	131
category in Service	132
center_wavelength in Band_Bin *Deprecated*	132
character_constraint in ASCII_AnyURI	133
character_constraint in ASCII_BibCode	133
character_constraint in ASCII_DOI	133
character_constraint in ASCII_Date *Deprecated*	134
character_constraint in ASCII_Date_DOY	134
character_constraint in ASCII_Date_Time *Deprecated*	134
character_constraint in ASCII_Date_Time_DOY	135
character_constraint in ASCII_Date_Time_DOY_UTC	135
character_constraint in ASCII_Date_Time_UTC *Deprecated*	135
character_constraint in ASCII_Date_Time_YMD	136
character_constraint in ASCII_Date_Time_YMD_UTC	136
character_constraint in ASCII_Date_YMD	136
character_constraint in ASCII_Directory_Path_Name	137
character_constraint in ASCII_File_Name	137
character_constraint in ASCII_File_Specification_Name	137
character_constraint in ASCII_Integer	138
character_constraint in ASCII_LID	138
character_constraint in ASCII_LIDVID	138
character_constraint in ASCII_LIDVID_LID	139
character_constraint in ASCII_Local_Identifier	139
character_constraint in ASCII_Local_Identifier_Reference	139
character_constraint in ASCII_MD5_Checksum	140
character_constraint in ASCII_NonNegative_Integer	140
character_constraint in ASCII_Numeric_Base16	140
character_constraint in ASCII_Numeric_Base2	141
character_constraint in ASCII_Numeric_Base8	141
character_constraint in ASCII_Real	141
character_constraint in ASCII_Short_String_Collapsed	142
character_constraint in ASCII_Short_String_Preserved	142
character_constraint in ASCII_String	143
character_constraint in ASCII_String_Base_255	143
character_constraint in ASCII_Text_Collapsed	143
character_constraint in ASCII_Text_Preserved	144
character_constraint in ASCII_Time	144
character_constraint in ASCII_VID	144
character_constraint in Character_Data_Type	145
character_constraint in UTF8_Short_String_Collapsed	145
character_constraint in UTF8_Short_String_Preserved	145
character_constraint in UTF8_Text_Preserved	145
character_encoding in ASCII_AnyURI	146
character_encoding in Character_Data_Type	146
checksum_manifest_checksum in Information_Package_Component	147
checksum_type in Information_Package_Component	147
checksum_type in Information_Package_Component_Deep_Archive	147
citation_text in Data_Set_PDS3	148
class_name in DD_Associate_External_Class	148
class_name in DD_Attribute_Full	148
collection_type in Collection	149
comment in Alias	149
comment in Context_Area	150
comment in DD_Attribute	150
comment in DD_Attribute_Full	150
comment in DD_Class_Full	150
comment in File	151
comment in Ingest_LDD	151

comment in Internal_Reference	151
comment in Local_ID_Reference	152
comment in Local_ID_Relation	152
comment in Local_Internal_Reference	152
comment in Source_Product_Internal	153
compile_note in Software_Source	153
conceptual_domain in DD_Value_Domain_Full	153
confidence_level_note in Data_Set_PDS3	154
constant_value in DD_Association	154
container_type in Zip	154
coordinate_source in Telescope	155
copyright in Document	155
country in Facility	156
creation_date_time in File	156
curating_facility in Source_Product_External	156
curating_node_id in Volume_PDS3	156
data_regime in Primary_Result_Summary *Deprecated*	157
data_set_desc in Data_Set_PDS3	158
data_set_id in Data_Set_PDS3	159
data_set_name in Data_Set_PDS3	159
data_set_release_date in Data_Set_PDS3	159
data_set_terse_desc in Data_Set_PDS3	160
data_type in Element_Array	160
data_type in Field_Binary	162
data_type in Field_Bit	164
data_type in Field_Character	164
data_type in Field_Delimited	166
data_type in Quaternion_Component	167
data_type in Vector	168
date_time in Update_Entry	168
definition in DD_Attribute	168
definition in DD_Attribute_Full	169
definition in DD_Class	169
definition in DD_Class_Full	169
definition in Terminological_Entry	169
description in Agency	170
description in Airborne *Deprecated*	170
description in Array	170
description in Bundle	171
description in Citation_Information	171
description in Collection	171
description in Composite_Structure	172
description in Document	172
description in Document_Edition	172
description in Encoded_Byte_Stream	172
description in External_Reference	173
description in Facility	173
description in Field_Binary	173
description in Field_Bit	174
description in Field_Character	174
description in Field_Delimited	174
description in Field_Statistics	175
description in Group	175
description in Information_Package	175
description in Instrument	175
description in Instrument_Host	176
description in Investigation	176
description in Modification_Detail	176

description in Node	177
description in Object_Statistics	177
description in Observing_System	177
description in Observing_System_Component	178
description in Other	178
description in PDS_Affiliate	178
description in PDS_Guest	179
description in Packed_Data_Fields	179
description in Parsable_Byte_Stream	179
description in Primary_Result_Summary	179
description in Property_Map	180
description in Property_Maps	180
description in Quaternion	180
description in Quaternion_Component	181
description in Resource	181
description in Service	181
description in Software	182
description in Source_Product_External	182
description in Table_Base	182
description in Target	182
description in Target_Identification	183
description in Telescope	183
description in Terminological_Entry_SKOS	183
description in Update *Deprecated*	184
description in Update_Entry	184
description in Vector	184
description in Vector_Component	185
description in Volume_PDS3	185
description in Volume_Set_PDS3	185
description in Zip	185
detector_number in Band_Bin *Deprecated*	186
dictionary_type in Ingest_LDD	186
directory_path_name in Document_File	187
discipline_name in Discipline_Facets	187
document_editions in Document	188
document_name in Document	188
document_standard_id in Document_File	188
doi in Citation_Information	190
doi in Document	190
doi in External_Reference	190
doi in Source_Product_External	191
domain in Science_Facets	191
edition_name in Document_Edition	192
editor_list in Citation_Information	192
editor_list in Document	193
electronic_mail_address in PDS_Affiliate	193
electronic_mail_address in PDS_Guest	193
element_flag in DD_Class	194
element_flag in DD_Class_Full	194
elements in Axis_Array	194
encoding_standard_id in Encoded_Audio	194
encoding_standard_id in Encoded_Binary	195
encoding_standard_id in Encoded_Byte_Stream	195
encoding_standard_id in Encoded_Header	196
encoding_standard_id in Encoded_Image	196
encoding_standard_id in Encoded_Native	197
encoding_type in SPICE_Kernel	197
enumeration_flag in DD_Value_Domain	197

enumeration_flag in DD_Value_Domain_Full	198
error_constant in Special_Constants	198
external_namespace_id in Property_Map	198
external_property_map_id in Property_Maps	199
external_property_maps_id in Ingest_LDD	199
external_source_product_identifier in Source_Product_External	199
facet1 in Group_Facet1	200
facet2 in Group_Facet2	201
field_delimiter in Table_Delimited	202
field_format in Field_Binary	203
field_format in Field_Bit	203
field_format in Field_Character	203
field_format in Field_Delimited	204
field_length in Field_Binary	204
field_length in Field_Character	204
field_location in Field_Binary	205
field_location in Field_Character	205
field_number in Field	205
fields in Group	206
fields in Record	206
file_name in File	206
file_size in File	206
files in Document_Edition	207
files in Software_Binary	207
files in Software_Script	207
files in Software_Source	208
filter_number in Band_Bin *Deprecated*	208
first_sampling_parameter_value in Uniformly_Sampled	208
formation_rule in ASCII_BibCode	209
formation_rule in ASCII_DOI	209
formation_rule in ASCII_Date *Deprecated*	209
formation_rule in ASCII_Date_DOY	210
formation_rule in ASCII_Date_Time *Deprecated*	210
formation_rule in ASCII_Date_Time_DOY	211
formation_rule in ASCII_Date_Time_DOY_UTC	211
formation_rule in ASCII_Date_Time_UTC *Deprecated*	212
formation_rule in ASCII_Date_Time_YMD	212
formation_rule in ASCII_Date_Time_YMD_UTC	213
formation_rule in ASCII_Date_YMD	213
formation_rule in ASCII_Directory_Path_Name	214
formation_rule in ASCII_File_Name	214
formation_rule in ASCII_File_Specification_Name	215
formation_rule in ASCII_LID	215
formation_rule in ASCII_LIDVID	216
formation_rule in ASCII_LIDVID_LID	216
formation_rule in ASCII_MD5_Checksum	216
formation_rule in ASCII_Time	217
formation_rule in ASCII_VID	217
formation_rule in Character_Data_Type	217
formation_rule in DD_Value_Domain	218
formation_rule in DD_Value_Domain_Full	218
full_name in Ingest_LDD	218
full_name in Subscriber_PDS3	219
full_name in Update_Entry	219
grating_position in Band_Bin *Deprecated*	219
group_length in Group_Field_Binary	220
group_length in Group_Field_Character	220
group_location in Group_Field_Binary	220

group_location in Group_Field_Character	221
group_number in Group	221
groups in Group	221
groups in Record	222
high_instrument_saturation in Special_Constants	222
high_representation_saturation in Special_Constants	222
id_reference_from in Local_ID_Relation	223
id_reference_to in Local_ID_Reference	223
id_reference_to in Local_ID_Relation	223
id_reference_type in Local_ID_Reference	224
id_reference_type in Local_ID_Relation	224
identifier in Property_Map	225
identifier in Property_Maps	225
identifier in Terminological_Entry_SKOS	225
identifier_reference in DD_Association	225
information_model_version in Identification_Area	226
install_note in Software_Script	227
instance_id in Property_Map	227
instance_id in Terminological_Entry	228
instance_id in Terminological_Entry_SKOS	228
institution_name in Node	228
institution_name in PDS_Affiliate	228
instrument_desc in Instrument_PDS3	229
instrument_host_desc in Instrument_Host_PDS3	229
instrument_host_id in Instrument_Host_PDS3	229
instrument_host_name in Instrument_Host_PDS3	230
instrument_host_type in Instrument_Host_PDS3	230
instrument_host_version_id in Instrument_Host *Deprecated*	230
instrument_id in Instrument_PDS3	231
instrument_name in Instrument_PDS3	231
instrument_serial_number in Instrument_PDS3	231
instrument_type in Instrument_PDS3	232
instrument_version_id in Instrument_PDS3	232
interface_type in Service	232
invalid_constant in Special_Constants	233
kernel_type in SPICE_Kernel	233
keyword in Citation_Information	234
language in Document_Edition	234
language in Terminological_Entry	234
last_modification_date_time in Ingest_LDD	235
last_sampling_parameter_value in Uniformly_Sampled	235
ldd_version_id in Ingest_LDD	235
ldd_version_id in XML_Schema	236
lid_reference in Bundle_Member_Entry	236
lid_reference in Internal_Reference	236
lidvid_reference in Bundle_Member_Entry	237
lidvid_reference in Internal_Reference	237
lidvid_reference in Source_Product_Internal	237
line_display_direction in Display_2D_Image *Deprecated*	238
local_identifier in Axis_Array	238
local_identifier in Byte_Stream	238
local_identifier in Composite_Structure	239
local_identifier in DD_Association *Deprecated*	239
local_identifier in DD_Attribute	239
local_identifier in DD_Attribute_Full	240
local_identifier in DD_Class	240
local_identifier in DD_Class_Full	240
local_identifier in DD_Rule	240

local_identifier in Field_Statistics	241
local_identifier in File	241
local_identifier in Object_Statistics	241
local_identifier in Quaternion	242
local_identifier in Subscriber_PDS3	242
local_identifier in Update *Deprecated*	242
local_identifier in Vector	243
local_identifier_reference in Local_Internal_Reference	243
local_mean_solar_time in Time_Coordinates	243
local_reference_type in Local_Internal_Reference	244
local_true_solar_time in Time_Coordinates	244
logical_identifier in Identification_Area	244
low_instrument_saturation in Special_Constants	245
low_representation_saturation in Special_Constants	245
manifest_checksum in Information_Package_Component_Deep_Archive	245
manifest_url in Information_Package_Component_Deep_Archive	246
maximum in Field_Statistics	246
maximum in Object_Statistics	246
maximum_characters in ASCII_AnyURI	247
maximum_characters in ASCII_DOI	247
maximum_characters in ASCII_Date *Deprecated*	247
maximum_characters in ASCII_Date_DOY	248
maximum_characters in ASCII_Date_Time *Deprecated*	248
maximum_characters in ASCII_Date_Time_DOY	248
maximum_characters in ASCII_Date_Time_UTC *Deprecated*	249
maximum_characters in ASCII_Date_Time_YMD	249
maximum_characters in ASCII_Date_YMD	249
maximum_characters in ASCII_Directory_Path_Name	250
maximum_characters in ASCII_File_Name	250
maximum_characters in ASCII_File_Specification_Name	250
maximum_characters in ASCII_Integer	251
maximum_characters in ASCII_LID	251
maximum_characters in ASCII_LIDVID	251
maximum_characters in ASCII_LIDVID_LID	252
maximum_characters in ASCII_Local_Identifier	252
maximum_characters in ASCII_Local_Identifier_Reference	252
maximum_characters in ASCII_MD5_Checksum	253
maximum_characters in ASCII_NonNegative_Integer	253
maximum_characters in ASCII_Numeric_Base16	254
maximum_characters in ASCII_Numeric_Base2	254
maximum_characters in ASCII_Numeric_Base8	254
maximum_characters in ASCII_Real	255
maximum_characters in ASCII_Short_String_Collapsed	255
maximum_characters in ASCII_Short_String_Preserved	255
maximum_characters in ASCII_String_Base_255	256
maximum_characters in ASCII_Text_Collapsed	256
maximum_characters in ASCII_Text_Preserved	257
maximum_characters in ASCII_Time	257
maximum_characters in ASCII_VID	257
maximum_characters in Character_Data_Type	258
maximum_characters in DD_Value_Domain	258
maximum_characters in DD_Value_Domain_Full	258
maximum_characters in UTF8_Short_String_Collapsed	259
maximum_characters in UTF8_Short_String_Preserved	259
maximum_characters in UTF8_Text_Preserved	259
maximum_field_length in Field_Delimited	260
maximum_occurrences in DD_Associate_External_Class	260
maximum_occurrences in DD_Association	260

maximum_occurrences in DD_Association_External *Deprecated*	261
maximum_record_length in Record_Delimited	261
maximum_scaled_value in Object_Statistics	261
maximum_value in ASCII_Date_Time *Deprecated*	262
maximum_value in ASCII_Date_Time_DOY	262
maximum_value in ASCII_Date_Time_UTC *Deprecated*	262
maximum_value in ASCII_Date_Time_YMD	263
maximum_value in ASCII_Integer	263
maximum_value in ASCII_LID	263
maximum_value in ASCII_NonNegative_Integer	264
maximum_value in ASCII_Numeric_Base16	264
maximum_value in ASCII_Numeric_Base2	264
maximum_value in ASCII_Real	264
maximum_value in ASCII_Short_String_Collapsed	265
maximum_value in ASCII_Short_String_Preserved	265
maximum_value in ASCII_Text_Preserved	265
maximum_value in ASCII_Time	266
maximum_value in ASCII_VID	266
maximum_value in Character_Data_Type	266
maximum_value in DD_Value_Domain	267
maximum_value in DD_Value_Domain_Full	267
maximum_value in UTF8_Short_String_Collapsed	267
maximum_value in UTF8_Short_String_Preserved	268
maximum_value in UTF8_Text_Preserved	268
md5_checksum in Byte_Stream	268
md5_checksum in File	268
md5_checksum in Object_Statistics *Deprecated*	269
mean in Field_Statistics	269
mean in Object_Statistics	269
median in Field_Statistics	270
median in Object_Statistics	270
medium_type in NSSDC	270
medium_type in Volume_PDS3	271
member_status in Bundle_Member_Entry	271
minimum in Field_Statistics	271
minimum in Object_Statistics	272
minimum_characters in ASCII_AnyURI	272
minimum_characters in ASCII_DOI	272
minimum_characters in ASCII_Date *Deprecated*	273
minimum_characters in ASCII_Date_DOY	273
minimum_characters in ASCII_Date_Time *Deprecated*	273
minimum_characters in ASCII_Date_Time_DOY	274
minimum_characters in ASCII_Date_Time_UTC *Deprecated*	274
minimum_characters in ASCII_Date_Time_YMD	274
minimum_characters in ASCII_Date_YMD	275
minimum_characters in ASCII_Directory_Path_Name	275
minimum_characters in ASCII_File_Name	275
minimum_characters in ASCII_File_Specification_Name	276
minimum_characters in ASCII_Integer	276
minimum_characters in ASCII_LID	276
minimum_characters in ASCII_LIDVID	277
minimum_characters in ASCII_LIDVID_LID	277
minimum_characters in ASCII_Local_Identifier	278
minimum_characters in ASCII_Local_Identifier_Reference	278
minimum_characters in ASCII_MD5_Checksum	278
minimum_characters in ASCII_NonNegative_Integer	279
minimum_characters in ASCII_Numeric_Base16	279
minimum_characters in ASCII_Numeric_Base2	280

minimum_characters in ASCII_Numeric_Base8	280
minimum_characters in ASCII_Real	280
minimum_characters in ASCII_Short_String_Collapsed	281
minimum_characters in ASCII_Short_String_Preserved	281
minimum_characters in ASCII_String	281
minimum_characters in ASCII_String_Base_255	282
minimum_characters in ASCII_Text_Collapsed	282
minimum_characters in ASCII_Text_Preserved	283
minimum_characters in ASCII_Time	283
minimum_characters in ASCII_VID	283
minimum_characters in Character_Data_Type	284
minimum_characters in DD_Value_Domain	284
minimum_characters in DD_Value_Domain_Full	284
minimum_characters in UTF8_Short_String_Collapsed	285
minimum_characters in UTF8_Short_String_Preserved	285
minimum_characters in UTF8_String	285
minimum_characters in UTF8_Text_Collapsed	286
minimum_characters in UTF8_Text_Preserved	286
minimum_occurrences in DD_Associate_External_Class	286
minimum_occurrences in DD_Association	287
minimum_occurrences in DD_Association_External *Deprecated*	287
minimum_scaled_value in Object_Statistics	287
minimum_value in ASCII_Date_Time *Deprecated*	288
minimum_value in ASCII_Date_Time_DOY	288
minimum_value in ASCII_Date_Time_UTC *Deprecated*	288
minimum_value in ASCII_Date_Time_YMD	289
minimum_value in ASCII_Integer	289
minimum_value in ASCII_LID	289
minimum_value in ASCII_NonNegative_Integer	290
minimum_value in ASCII_Numeric_Base16	290
minimum_value in ASCII_Numeric_Base2	290
minimum_value in ASCII_Real	291
minimum_value in ASCII_Short_String_Collapsed	291
minimum_value in ASCII_Short_String_Preserved	291
minimum_value in ASCII_Text_Preserved	292
minimum_value in ASCII_Time	292
minimum_value in ASCII_VID	292
minimum_value in Character_Data_Type	292
minimum_value in DD_Value_Domain	293
minimum_value in DD_Value_Domain_Full	293
minimum_value in UTF8_Short_String_Collapsed	293
minimum_value in UTF8_Short_String_Preserved	294
minimum_value in UTF8_Text_Preserved	294
missing_constant in Special_Constants	294
mission_desc in Mission_PDS3	295
mission_name in Mission_PDS3	295
mission_objectives_summary in Mission_PDS3	295
mission_start_date in Mission_PDS3	296
mission_stop_date in Mission_PDS3	296
model_id in Instrument	296
model_object_id in Property_Map	296
model_object_id in Terminological_Entry_SKOS	297
model_object_type in Property_Map	297
model_object_type in Terminological_Entry_SKOS	297
modification_date in Modification_Detail	298
naif_host_id in Instrument_Host	298
naif_instrument_id in Instrument	299
name in Agency	299

name in Airborne *Deprecated*	299
name in Byte_Stream	300
name in DD_Association_External *Deprecated*	300
name in DD_Attribute	300
name in DD_Attribute_Full	301
name in DD_Attribute_Reference	301
name in DD_Class	301
name in DD_Class_Full	302
name in DD_Class_Reference	302
name in External_Reference_Extended	302
name in Facility	302
name in Field	303
name in Field_Binary	303
name in Field_Bit	303
name in Field_Character	304
name in Field_Delimited	304
name in Group	304
name in Ingest_LDD	305
name in Instrument	305
name in Instrument_Host	305
name in Investigation	305
name in Investigation_Area	306
name in Node	306
name in Observing_System	307
name in Observing_System_Component	307
name in PDS_Affiliate	308
name in PDS_Guest	308
name in Quaternion	309
name in Quaternion_Component	309
name in Resource	309
name in Service	309
name in Software	310
name in Target	310
name in Target_Identification	310
name in Terminological_Entry	311
name in Vector	311
name in Vector_Component	311
namespace_id in DD_Associate_External_Class	312
namespace_id in DD_Association_External *Deprecated*	312
namespace_id in DD_Attribute_Full	312
namespace_id in DD_Attribute_Reference	313
namespace_id in DD_Class_Full	313
namespace_id in DD_Class_Reference	313
namespace_id in Ingest_LDD	314
namespace_id in Property_Maps	314
namespace_id in Terminological_Entry_SKOS	314
nil_reason in Symbolic_Literals_PDS	315
nillable_flag in DD_Attribute	315
nillable_flag in DD_Attribute_Full	315
not_applicable_constant in Special_Constants	316
nssdc_collection_id in NSSDC	316
object_length in Encoded_Byte_Stream	316
object_length in Header	317
object_length in Parsable_Byte_Stream	317
offset in Array	317
offset in Encoded_Byte_Stream	317
offset in Parsable_Byte_Stream	318
offset in Table_Base	318

orbit_direction in Target_PDS3	318
original_band in Band_Bin *Deprecated*	319
os_version in Software_Binary	319
os_version in Software_Source	319
parsing_standard_id in Checksum_Manifest	320
parsing_standard_id in Header	320
parsing_standard_id in Parsable_Byte_Stream	321
parsing_standard_id in SPICE_Kernel	321
parsing_standard_id in Service_Description	322
parsing_standard_id in Stream_Text	322
parsing_standard_id in Table_Delimited	323
parsing_standard_id in XML_Schema	323
pattern in ASCII_BibCode	323
pattern in ASCII_DOI	324
pattern in ASCII_Date *Deprecated*	324
pattern in ASCII_Date_DOY	325
pattern in ASCII_Date_Time *Deprecated*	325
pattern in ASCII_Date_Time_DOY	326
pattern in ASCII_Date_Time_DOY_UTC	327
pattern in ASCII_Date_Time_UTC *Deprecated*	328
pattern in ASCII_Date_Time_YMD	330
pattern in ASCII_Date_Time_YMD_UTC	331
pattern in ASCII_Date_YMD	332
pattern in ASCII_LID	332
pattern in ASCII_LIDVID	333
pattern in ASCII_LIDVID_LID	333
pattern in ASCII_MD5_Checksum	333
pattern in ASCII_NonNegative_Integer	334
pattern in ASCII_Numeric_Base16	334
pattern in ASCII_Numeric_Base2	334
pattern in ASCII_Numeric_Base8	335
pattern in ASCII_Real	335
pattern in ASCII_Time	335
pattern in ASCII_VID	336
pattern in Character_Data_Type	336
pattern in DD_Value_Domain	336
pattern in DD_Value_Domain_Full	337
phone_book_flag in PDS_Affiliate	337
postal_address_text in PDS_Affiliate	337
preferred_flag in Terminological_Entry	338
primary_body_name in Target_PDS3	338
processing_level in Primary_Result_Summary	338
processing_level_id in Primary_Result_Summary *Deprecated*	339
producer_full_name in Data_Set_PDS3	340
product_class in Identification_Area	340
program_notes_id in Software_Binary	342
program_notes_id in Software_Source	342
programmers_manual_id in Software	342
property_map_subtype in Property_Map_Entry	343
property_map_type in Property_Map_Entry	343
property_name in Property_Map_Entry	344
property_value in Property_Map_Entry	344
provider_site_id in SIP_Deep_Archive	344
publication_date in Document	345
publication_date in Volume_PDS3	345
publication_year in Citation_Information	345
purpose in Primary_Result_Summary	346
record_delimiter in Checksum_Manifest	346

record_delimiter in Stream_Text	347
record_delimiter in Table_Binary *Deprecated*	347
record_delimiter in Table_Character	348
record_delimiter in Table_Delimited	348
record_length in Record_Binary	348
record_length in Record_Character	349
records in File	349
records in Table_Base	349
records in Table_Delimited	350
reference_frame_id in Vector	350
reference_frame_id in Vector_Cartesian_3	350
reference_text in External_Reference	351
reference_type in Bundle_Member_Entry	351
reference_type in DD_Association	352
reference_type in DD_Association_External *Deprecated*	352
reference_type in Internal_Reference	353
reference_type in Inventory	360
reference_type in Source_Product_External	360
reference_type in Source_Product_Internal	361
reference_type in Table_Delimited_Source_Product_External	361
reference_type in Table_Delimited_Source_Product_Internal	362
referenced_identifier in Terminological_Entry_SKOS	362
registered_by in DD_Attribute_Full	362
registered_by in DD_Class_Full	363
registration_authority in Terminological_Entry_SKOS	363
registration_authority_id in DD_Attribute_Full	363
registration_authority_id in DD_Class_Full	364
registration_date in PDS_Affiliate	364
registration_date in PDS_Guest	364
release_date in Service	365
repetitions in Group	365
revision_id in Document	365
rotation_direction in Target_PDS3	366
rule_assign in DD_Rule	366
rule_context in DD_Rule	366
rule_description in DD_Rule_Statement	367
rule_message in DD_Rule_Statement	367
rule_test in DD_Rule_Statement	367
rule_type in DD_Rule_Statement	367
rule_value in DD_Rule_Statement	368
sample_display_direction in Display_2D_Image *Deprecated*	368
sampling_parameter_base in Uniformly_Sampled	369
sampling_parameter_interval in Uniformly_Sampled	369
sampling_parameter_name in Uniformly_Sampled	369
sampling_parameter_scale in Uniformly_Sampled	370
sampling_parameter_unit in Uniformly_Sampled	371
sampling_parameters in Uniformly_Sampled *Deprecated*	371
saturated_constant in Special_Constants	371
scaling_factor in Band_Bin *Deprecated*	372
scaling_factor in Element_Array	372
scaling_factor in Field_Binary	372
scaling_factor in Field_Bit	373
scaling_factor in Field_Character	373
scaling_factor in Field_Delimited	373
sequence_number in Axis_Array	374
sequence_number in Quaternion_Component	374
sequence_number in Vector_Component	374
serial_number in Instrument	374

serial_number in Instrument_Host	375
service_type in Service	375
skos_relation_name in Terminological_Entry	375
skos_relation_name in Terminological_Entry_SKOS	376
software_dialect in Software_Source	377
software_format_type in Software_Binary	377
software_format_type in Software_Source	377
software_id in Software	378
software_language in Service	378
software_language in Software_Source	378
software_type in Software	378
software_version_id in Software	379
solar_longitude in Time_Coordinates	379
sort_name in PDS_Affiliate	379
sort_name in PDS_Guest	380
specified_unit_id in DD_Value_Domain	380
specified_unit_id in DD_Value_Domain_Full	380
specified_unit_id in Unit_Of_Measure	381
specified_unit_id in Units_of_Acceleration	381
specified_unit_id in Units_of_Amount_Of_Substance	381
specified_unit_id in Units_of_Angle	382
specified_unit_id in Units_of_Angular_Velocity	382
specified_unit_id in Units_of_Area	382
specified_unit_id in Units_of_Current	383
specified_unit_id in Units_of_Energy	383
specified_unit_id in Units_of_Force	384
specified_unit_id in Units_of_Frame_Rate	384
specified_unit_id in Units_of_Frequency	384
specified_unit_id in Units_of_Gmass	385
specified_unit_id in Units_of_Length	385
specified_unit_id in Units_of_Map_Scale *Deprecated*	385
specified_unit_id in Units_of_Mass	386
specified_unit_id in Units_of_Misc	386
specified_unit_id in Units_of_None	387
specified_unit_id in Units_of_Optical_Path_Length	387
specified_unit_id in Units_of_Pixel_Resolution_Angular	387
specified_unit_id in Units_of_Pixel_Resolution_Linear	388
specified_unit_id in Units_of_Pixel_Resolution_Map	388
specified_unit_id in Units_of_Pixel_Scale_Angular	389
specified_unit_id in Units_of_Pixel_Scale_Linear	389
specified_unit_id in Units_of_Pixel_Scale_Map	389
specified_unit_id in Units_of_Pressure	390
specified_unit_id in Units_of_Radiance	390
specified_unit_id in Units_of_Rates	391
specified_unit_id in Units_of_Solid_Angle	391
specified_unit_id in Units_of_Spectral_Irradiance	391
specified_unit_id in Units_of_Spectral_Radiance	392
specified_unit_id in Units_of_Storage	392
specified_unit_id in Units_of_Temperature	392
specified_unit_id in Units_of_Time	393
specified_unit_id in Units_of_Velocity	393
specified_unit_id in Units_of_Voltage	394
specified_unit_id in Units_of_Volume	394
specified_unit_id in Units_of_Wavenumber	394
standard_deviation in Band_Bin *Deprecated*	395
standard_deviation in Field_Statistics	395
standard_deviation in Object_Statistics	395
start_bit in Field_Bit *Deprecated*	396

start_bit_location in Field_Bit	396
start_date in Investigation	396
start_date_time in Data_Set_PDS3 *Deprecated*	397
start_date_time in Time_Coordinates	397
start_time in Data_Set_PDS3	397
starting_point_identifier in Document_Edition	398
steward_id in DD_Attribute_Full	398
steward_id in DD_Class_Full	399
steward_id in Ingest_LDD	399
steward_id in Terminological_Entry_SKOS	400
stop_bit in Field_Bit *Deprecated*	400
stop_bit_location in Field_Bit	400
stop_date in Investigation	401
stop_date_time in Data_Set_PDS3 *Deprecated*	401
stop_date_time in Time_Coordinates	401
stop_time in Data_Set_PDS3	401
subfacet1 in Group_Facet1	402
subfacet2 in Group_Facet2	402
submitter_name in DD_Attribute	402
submitter_name in DD_Attribute_Full	403
submitter_name in DD_Class	403
submitter_name in DD_Class_Full	403
subscription_id in Subscriber_PDS3	404
subtype in Instrument *Deprecated*	404
supported_architecture_note in Software_Binary	404
supported_architecture_note in Software_Source	405
supported_environment_note in Software_Script	405
supported_operating_system_note in Service	405
supported_operating_system_note in Software_Binary	406
supported_operating_system_note in Software_Source	406
system_requirements_note in Service	406
system_requirements_note in Software_Binary	407
system_requirements_note in Software_Script	407
system_requirements_note in Software_Source	407
target_desc in Target_PDS3	408
target_name in Target_PDS3	408
target_type in Target_PDS3	408
team_name in PDS_Affiliate	408
telephone_number in PDS_Affiliate	409
telescope_altitude in Telescope	410
telescope_latitude in Telescope	410
telescope_longitude in Telescope	410
title in Composite_Structure	410
title in Identification_Area	411
title in Property_Map	411
title in Property_Maps	411
title in Terminological_Entry_SKOS	412
transfer_manifest_checksum in Information_Package_Component	412
type in Airborne *Deprecated*	412
type in DD_Attribute_Full	413
type in DD_Class_Full	413
type in Facility	414
type in Instrument *Deprecated*	414
type in Instrument_Host	418
type in Investigation	418
type in Investigation_Area	420
type in Observing_System_Component	421
type in Primary_Result_Summary *Deprecated*	422

type in Quaternion	423
type in Resource	423
type in Target	424
type in Target_Identification	426
type in Unit_Of_Measure	428
type in Units_of_Acceleration	428
type in Units_of_Amount_Of_Substance	428
type in Units_of_Angle	429
type in Units_of_Angular_Velocity	429
type in Units_of_Area	429
type in Units_of_Current	430
type in Units_of_Energy	430
type in Units_of_Force	430
type in Units_of_Frame_Rate	431
type in Units_of_Frequency	431
type in Units_of_Gmass	431
type in Units_of_Length	432
type in Units_of_Map_Scale *Deprecated*	432
type in Units_of_Mass	433
type in Units_of_Misc	433
type in Units_of_None	433
type in Units_of_Optical_Path_Length	434
type in Units_of_Pixel_Resolution_Angular	434
type in Units_of_Pixel_Resolution_Linear	434
type in Units_of_Pixel_Resolution_Map	435
type in Units_of_Pixel_Scale_Angular	435
type in Units_of_Pixel_Scale_Linear	435
type in Units_of_Pixel_Scale_Map	436
type in Units_of_Pressure	436
type in Units_of_Radiance	436
type in Units_of_Rates	437
type in Units_of_Solid_Angle	437
type in Units_of_Spectral_Irradiance	437
type in Units_of_Spectral_Radiance	438
type in Units_of_Storage	438
type in Units_of_Temperature	438
type in Units_of_Time	439
type in Units_of_Velocity	439
type in Units_of_Voltage	439
type in Units_of_Volume	440
type in Units_of_Wavenumber	440
type in Vector	440
type_description in Composite_Structure	441
unit in Axis_Array *Deprecated*	441
unit in Element_Array	441
unit in Field_Binary	442
unit in Field_Bit	442
unit in Field_Character	442
unit in Field_Delimited	442
unit in Vector_Component	443
unit_id in Unit_Of_Measure	443
unit_id in Units_of_Acceleration	443
unit_id in Units_of_Amount_Of_Substance	444
unit_id in Units_of_Angle	444
unit_id in Units_of_Angular_Velocity	445
unit_id in Units_of_Area	445
unit_id in Units_of_Current	445
unit_id in Units_of_Energy	446

unit_id in Units_of_Force	446
unit_id in Units_of_Frame_Rate	447
unit_id in Units_of_Frequency	447
unit_id in Units_of_Gmass	447
unit_id in Units_of_Length	448
unit_id in Units_of_Map_Scale *Deprecated*	448
unit_id in Units_of_Mass	449
unit_id in Units_of_Misc	449
unit_id in Units_of_None	450
unit_id in Units_of_Optical_Path_Length	450
unit_id in Units_of_Pixel_Resolution_Angular	450
unit_id in Units_of_Pixel_Resolution_Linear	451
unit_id in Units_of_Pixel_Resolution_Map	451
unit_id in Units_of_Pixel_Scale_Angular	452
unit_id in Units_of_Pixel_Scale_Linear	452
unit_id in Units_of_Pixel_Scale_Map	453
unit_id in Units_of_Pressure	453
unit_id in Units_of_Radiance	454
unit_id in Units_of_Rates	454
unit_id in Units_of_Solid_Angle	454
unit_id in Units_of_Spectral_Irradiance	455
unit_id in Units_of_Spectral_Radiance	455
unit_id in Units_of_Storage	456
unit_id in Units_of_Temperature	457
unit_id in Units_of_Time	457
unit_id in Units_of_Velocity	458
unit_id in Units_of_Voltage	458
unit_id in Units_of_Volume	458
unit_id in Units_of_Wavenumber	459
unit_of_measure_type in DD_Value_Domain	459
unit_of_measure_type in DD_Value_Domain_Full	461
unknown_constant in Special_Constants	463
update_purpose in Update *Deprecated* *Deprecated*	464
url in External_Reference_Extended	464
url in Resource	464
url in Service	465
users_manual_id in Software	465
valid_maximum in Special_Constants	465
valid_minimum in Special_Constants	466
validation_format in Field_Character	466
value in DD_Permissible_Value	466
value in DD_Permissible_Value_Full	467
value in Quaternion_Component	467
value in Vector_Component	467
value_begin_date in DD_Permissible_Value_Full	467
value_data_type in DD_Value_Domain	468
value_data_type in DD_Value_Domain_Full	470
value_end_date in DD_Permissible_Value_Full	471
value_meaning in DD_Permissible_Value	472
value_meaning in DD_Permissible_Value_Full	472
value_offset in Band_Bin *Deprecated*	472
value_offset in Element_Array	473
value_offset in Field_Binary	473
value_offset in Field_Bit	473
value_offset in Field_Character	474
value_offset in Field_Delimited	474
vector_components in Vector	474
version_id in DD_Attribute	475

version_id in DD_Attribute_Full	475
version_id in DD_Class	475
version_id in DD_Class_Full	475
version_id in Identification_Area	476
version_id in Instrument_Host *Deprecated*	476
version_id in Modification_Detail	476
version_id in Service	477
version_id in Software *Deprecated*	477
volume_de_fullname in Volume_PDS3	477
volume_format in Volume_PDS3	478
volume_id in Volume_PDS3	478
volume_name in Volume_PDS3	478
volume_series_name in Volume_Set_PDS3	478
volume_set_id in Volume_PDS3	479
volume_set_id in Volume_Set_PDS3	479
volume_set_name in Volume_Set_PDS3	479
volume_size in Volume_PDS3	480
volume_version_id in Volume_PDS3	480
volumes in Volume_Set_PDS3	480
wavelength_range in Science_Facets	481
x in Vector_Cartesian_3	481
xml_schema_base_type in ASCII_AnyURI	482
xml_schema_base_type in ASCII_BibCode	482
xml_schema_base_type in ASCII_Boolean	482
xml_schema_base_type in ASCII_DOI	483
xml_schema_base_type in ASCII_Date *Deprecated*	483
xml_schema_base_type in ASCII_Date_DOY	484
xml_schema_base_type in ASCII_Date_Time *Deprecated*	484
xml_schema_base_type in ASCII_Date_Time_DOY	484
xml_schema_base_type in ASCII_Date_Time_DOY_UTC	485
xml_schema_base_type in ASCII_Date_Time_UTC *Deprecated*	485
xml_schema_base_type in ASCII_Date_Time_YMD	486
xml_schema_base_type in ASCII_Date_Time_YMD_UTC	486
xml_schema_base_type in ASCII_Date_YMD	486
xml_schema_base_type in ASCII_Directory_Path_Name	487
xml_schema_base_type in ASCII_File_Name	487
xml_schema_base_type in ASCII_File_Specification_Name	487
xml_schema_base_type in ASCII_Integer	488
xml_schema_base_type in ASCII_LID	488
xml_schema_base_type in ASCII_LIDVID	489
xml_schema_base_type in ASCII_LIDVID_LID	489
xml_schema_base_type in ASCII_Local_Identifier	489
xml_schema_base_type in ASCII_Local_Identifier_Reference	490
xml_schema_base_type in ASCII_MD5_Checksum	490
xml_schema_base_type in ASCII_NonNegative_Integer	490
xml_schema_base_type in ASCII_Numeric_Base16	491
xml_schema_base_type in ASCII_Numeric_Base2	491
xml_schema_base_type in ASCII_Numeric_Base8	492
xml_schema_base_type in ASCII_Real	492
xml_schema_base_type in ASCII_Short_String_Collapsed	492
xml_schema_base_type in ASCII_Short_String_Preserved	493
xml_schema_base_type in ASCII_String	493
xml_schema_base_type in ASCII_String_Base_255	493
xml_schema_base_type in ASCII_Text_Collapsed	494
xml_schema_base_type in ASCII_Text_Preserved	494
xml_schema_base_type in ASCII_Time	495
xml_schema_base_type in ASCII_VID	495
xml_schema_base_type in Character_Data_Type	495

xml_schema_base_type in UTF8_Short_String_Collapsed	496
xml_schema_base_type in UTF8_Short_String_Preserved	496
xml_schema_base_type in UTF8_String	496
xml_schema_base_type in UTF8_Text_Collapsed	497
xml_schema_base_type in UTF8_Text_Preserved	497
y in Vector_Cartesian_3	497
z in Vector_Cartesian_3	498
6. Data Types in the common namespace.	499
ASCII_AnyURI	499
ASCII_BibCode	499
ASCII_Boolean	499
ASCII_DOI	499
ASCII_Date	500
ASCII_Date_DOY	500
ASCII_Date_Time	500
ASCII_Date_Time_DOY	501
ASCII_Date_Time_DOY_UTC	501
ASCII_Date_Time_UTC	502
ASCII_Date_Time_YMD	503
ASCII_Date_Time_YMD_UTC	503
ASCII_Date_YMD	504
ASCII_Directory_Path_Name	504
ASCII_File_Name	504
ASCII_File_Specification_Name	504
ASCII_Integer	505
ASCII_LID	505
ASCII_LIDVID	505
ASCII_LIDVID_LID	505
ASCII_Local_Identifier	506
ASCII_Local_Identifier_Reference	506
ASCII_MD5_Checksum	506
ASCII_NonNegative_Integer	506
ASCII_Numeric_Base16	507
ASCII_Numeric_Base2	507
ASCII_Numeric_Base8	507
ASCII_Real	507
ASCII_Short_String_Collapsed	508
ASCII_Short_String_Preserved	508
ASCII_String	508
ASCII_String_Base_255	508
ASCII_Text_Collapsed	509
ASCII_Text_Preserved	509
ASCII_Time	509
ASCII_VID	509
Binary_Data_Type	510
Character_Data_Type	510
Complex	510
ComplexLSB16	510
ComplexLSB8	511
ComplexMSB16	511
ComplexMSB8	511
Data_Type	511
Decimal_Integer	512
Decimal_Real	512
IEEE754LSBDouble	512
IEEE754LSBSingle	512
IEEE754MSBDouble	512
IEEE754MSBSingle	513

SignedBitString	513
SignedByte	513
SignedLSB2	513
SignedLSB4	514
SignedLSB8	514
SignedMSB2	514
SignedMSB4	514
SignedMSB8	514
UTF8_Short_String_Collapsed	515
UTF8_Short_String_Preserved	515
UTF8_String	515
UTF8_Text_Collapsed	515
UTF8_Text_Preserved	516
UnsignedBitString	516
UnsignedByte	516
UnsignedLSB2	516
UnsignedLSB4	517
UnsignedLSB8	517
UnsignedMSB2	517
UnsignedMSB4	517
UnsignedMSB8	517
7. Units of Measure in the common namespace.	519
Unit_Of_Measure	519
Units_of_Acceleration	519
Units_of_Amount_Of_Substance	519
Units_of_Angle	519
Units_of_Angular_Velocity	520
Units_of_Area	520
Units_of_Current	520
Units_of_Energy	520
Units_of_Force	520
Units_of_Frame_Rate	521
Units_of_Frequency	521
Units_of_Gmass	521
Units_of_Length	521
Units_of_Map_Scale	522
Units_of_Mass	522
Units_of_Misc	522
Units_of_None	523
Units_of_Optical_Path_Length	523
Units_of_Pixel_Resolution_Angular	523
Units_of_Pixel_Resolution_Linear	523
Units_of_Pixel_Resolution_Map	524
Units_of_Pixel_Scale_Angular	524
Units_of_Pixel_Scale_Linear	524
Units_of_Pixel_Scale_Map	525
Units_of_Pressure	525
Units_of_Radiance	525
Units_of_Rates	525
Units_of_Solid_Angle	526
Units_of_Spectral_Irradiance	526
Units_of_Spectral_Radiance	526
Units_of_Storage	527
Units_of_Temperature	527
Units_of_Time	527
Units_of_Velocity	528
Units_of_Voltage	528
Units_of_Volume	528

Units_of_Wavenumber	528

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 unabridged 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 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.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Tagged_NonDigital_Object :: TNDO_Supplemental :: Ingest_LDD			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	name	1..1	None
	ldd_version_id	1..1	None
	dictionary_type	1..1	Common, Discipline, Mission
	full_name	1..1	None
	steward_id	1..1	None
	namespace_id	1..1	None
	external_property_maps_id	0..Unbounded	None
	comment	0..1	None
	last_modification_date_time	1..1	None
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	data_object	1..1	Conceptual_Object
	local_attribute	0..Unbounded	DD_Attribute
	local_class	0..Unbounded	DD_Class
	local_rule	0..Unbounded	DD_Rule
	has_Property_Maps	0..Unbounded	Property_Maps
<i>Referenced from:</i> None			

Product_AIP

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

Name: Product_AIP			Version Id: 1.0.0.0
	has_Information_Pack- age_Component	1..Unbounded	Information_Package_ Component
	product_data_object	1..1	Archival_Information_ Package
Referenced from: 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
Referenced from: 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
Referenced from: 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>

Name: Product_Browse			Version Id: 1.0.0.0
	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_Browse
Referenced from: 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.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Product :: Product_Bundle			
<i>No Attributes</i>			
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	has_identification_area	1..1	Identification_Area
	context_area	0..1	Context_Area
	reference_list	0..1	Reference_List
	product_data_object	1..1	Bundle
	file_area	0..1	File_Area_Text
	member_entry	1..Unbounded	Bundle_Member_Entry
Referenced from: 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.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Product :: Product_Class_Definition			
<i>No Attributes</i>			
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	has_identification_area	1..1	Identification_Area
	reference_list	0..1	Reference_List
	product_data_object	1..1	DD_Class_Full
Referenced from: 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.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Product :: Product_Collection			

Name: Product_Collection			Version Id: 1.1.0.0
<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	0..1	Context_Area
	reference_list	0..1	Reference_List
	product_data_object	1..1	Collection
	file_area_inventory	1..1	File_Area_Inventory
<i>Referenced from:</i> None			

Product_Context

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.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Product :: Product_Context			
<i>No Attributes</i>			
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	has_identification_area	1..1	Identification_Area
	has_discipline_area	0..1	Discipline_Area
	reference_list	0..1	Reference_List
	product_data_object	1..1	Agency, Airborne *Deprecated*, Facility, Instrument, Instrument_Host, Investigation, Node, Other, PDS_Affiliate, PDS_Guest, Resource, Target, Telescope
<i>Referenced from:</i> 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.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Product :: Product_DIP			
<i>No Attributes</i>			
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	has_identification_area	1..1	Identification_Area
	reference_list	0..1	Reference_List
	has_Information_Package_Component	1..Unbounded	Information_Package_Component
	product_data_object	1..1	Dissemination_Information_Package

Name: Product_DIP	Version Id: 1.0.0.0
<i>Referenced from:</i> 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_Pack- age_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.			
Namespace Id: pds	Steward: ops	Role: concrete	Status: Active
Class Hierarchy: Product :: Product_Data_Set_PDS3			
No Attributes			
Association(s)	Name	Cardinality	Class
	has_identification_area	1..1	Identification_Area
	reference_list	0..1	Reference_List
	product_data_object	1..1	Data_Set_PDS3
Referenced from: 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

Name: Product_Document			Version Id: 2.1.0.0
	reference_list	0..1	Reference_List
	has_document	1..1	Document
Referenced from: 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
Referenced from: 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
Referenced from: 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

Name: Product_Instrument_Host_PDS3	Version Id: 1.0.0.0
<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>Status:</i> Active
<i>Class Hierarchy:</i> Product :: Product_Instrument_PDS3			
<i>No Attributes</i>			
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	has_identification_area	1..1	Identification_Area
	reference_list	0..1	Reference_List
	product_data_object	1..1	Instrument_PDS3
<i>Referenced from:</i> None			

Product_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.			
Namespace Id: pds	Steward: pds	Role: concrete	Status: Active
Class Hierarchy: Product :: Product_Metadata_Supplemental			
No Attributes			
Association(s)	Name	Cardinality	Class
	has_identification_area	1..1	Identification_Area
	reference_list	0..1	Reference_List
	file_area	1..1	File_Area_Metadata
Referenced from: 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>Status:</i> Active
<i>Class Hierarchy:</i> Product :: Product_Mission_PDS3			
<i>No Attributes</i>			
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	has_identification_area	1..1	Identification_Area
	reference_list	0..1	Reference List

Name: Product_Mission_PDS3			Version Id: 1.0.0.0
	product_data_object	1..1	Mission_PDS3
Referenced from: 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
Referenced from: 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
Referenced from: 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			

Name: Product_Proxy_PDS3			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
	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.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Product :: Product_SIP			
<i>No Attributes</i>			
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	has_identification_area	1..1	Identification_Area
	reference_list	0..1	Reference_List
	has_Information_Pack- age_Component	1..Unbounded	Information_Package_ Component
	product_data_object	1..1	Submission_Informa- tion_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.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Product :: Product_SIP_Deep_Archive			
<i>No Attributes</i>			
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	has_identification_area	1..1	Identification_Area
	has_Information_Pack- age_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.			

Name: Product_SPICE_Kernel			Version Id: 1.0.0.0
Namespace Id: pds	Steward: pds	Role: concrete	Status: Active
Class Hierarchy: Product :: Product_SPICE_Kernel			
No Attributes			
Association(s)	Name	Cardinality	Class
	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
Referenced from: None			

Product_Service

Name: Product_Service			Version Id: 1.1.0.0
Description: The Product Service class defines a product for registering services. Service descriptions from this product are used to register services as intrinsic registry objects.			
Namespace Id: pds	Steward: ops	Role: concrete	Status: Active
Class Hierarchy: Product :: Product_Service			
No Attributes			
Association(s)	Name	Cardinality	Class
	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
Referenced from: None			

Product_Software

Name: Product_Software			Version Id: 1.0.0.0
Description: Product Software is a product consisting of a set of one or more software formats.			
Namespace Id: pds	Steward: ops	Role: concrete	Status: Active
Class Hierarchy: Product :: Product_Software			
No Attributes			
Association(s)	Name	Cardinality	Class
	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
Referenced from: 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*

Name: Product_Update *Deprecated*			Version Id: 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

Name: Product_Volume_PDS3			Version Id: 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

Name: Product_Volume_Set_PDS3			Version Id: 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 *Deprecated*

Name: Airborne *Deprecated*			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> Deprecated
<i>Class Hierarchy:</i> Tagged_NonDigital_Object :: TNDO_Context :: Airborne *Deprecated*			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>

Name: Airborne *Deprecated*			Version Id: 1.0.0.0
	name	0..1	None
	type	0..1	Aircraft, Balloon, Suborbital Rocket
	description	0..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>	<i>Value</i>
	alternate_id	0..1	None
	alternate_title	0..1	None
	comment	0..1	None
<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>	<i>Class</i>
	alias	1..Unbounded	Alias
<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>	<i>Value</i>
	bit_string	1..1	None
<i>No Associations</i>			

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 :: TND0_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_refer- ence	0..0	Local_Internal_Refer- ence
<i>Referenced from:</i> File_Area_Ancillary, File_Area_Browse, File_Area_Observational, File_Area_Observational_Supplemental			

Array_1D

Name: Array_1D			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> Active
<i>Class Hierarchy:</i> Tagged_Digital_Object :: Byte_Stream :: Array :: Array_1D			
<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_refer- ence	0..0	Local_Internal_Refer- ence
<i>Referenced from:</i> File_Area_Ancillary, 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
Namespace Id: pds	Steward: pds	Role: concrete	Status: Active
Class Hierarchy: Tagged_Digital_Object :: Byte_Stream :: Array :: Array_2D			
Attribute(s)	Name	Cardinality	Value
	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
Association(s)	Name	Cardinality	Class
	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..0	Local_Internal_Reference
Referenced from: 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
Description: The Array 2D Image class is an extension of the Array 2D class and defines a two dimensional image.			
Namespace Id: pds	Steward: pds	Role: concrete	Status: Active
Class Hierarchy: Tagged_Digital_Object :: Byte_Stream :: Array :: Array_2D :: Array_2D_Image			
Attribute(s)	Name	Cardinality	Value
	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
Association(s)	Name	Cardinality	Class
	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_refer- ence	0..0	Local_Internal_Refer- ence
	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_refer- ence	0..0	Local_Internal_Refer- ence
	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..0	Local_Internal_Reference
	has_Display_2d_Image	0..1	Display_2D_Image *Deprecated*
<i>Referenced from:</i> File_Area_Ancillary, File_Area_Browse, File_Area_Observational, File_Area_Observational_Supplemental			

Array_3D

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

Name: Array_3D			Version Id: 1.0.0.0
	local_internal_refer- ence	0..0	Local_Internal_Refer- ence
<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_refer- ence	0..0	Local_Internal_Refer- ence
<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..0	Local_Internal_Reference
<i>Referenced from:</i> 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..0	Local_Internal_Reference
<i>Referenced from:</i> 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.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Tagged_Digital_Child :: Axis_Array			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	axis_name	1..1	None
	local_identifier	0..1	None
	elements	1..1	None
	unit *Deprecated*	0..1	None
	sequence_number	1..1	None
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	has_Band_Bin_Set	0..1	Band_Bin_Set *Deprecated*
<i>Referenced from:</i> Array, Array_1D, 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.			
<i>Namespace Id:</i> pds	<i>Steward:</i> img	<i>Role:</i> concrete	<i>Status:</i> Deprecated
<i>Class Hierarchy:</i> Tagged_NonDigital_Object :: TNDO_Supplemental :: Band_Bin *Deprecated*			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	band_number	1..1	None
	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 cube.			
<i>Namespace Id:</i> pds	<i>Steward:</i> img	<i>Role:</i> concrete	<i>Status:</i> Deprecated
<i>Class Hierarchy:</i> Tagged_NonDigital_Object :: TNDO_Supplemental :: Band_Bin_Set *Deprecated*			
<i>No Attributes</i>			
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	has_band_bin	1..Unbounded	Band_Bin *Deprecated*
<i>Referenced from:</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	1..1	None
	lidvid_reference	1..1	None
	member_status	1..1	Primary, Secondary
	reference_type	1..1	bundle_has_browse_collection, bundle_has_calibration_collection, bundle_has_context_collection, bundle_has_data_collection, bundle_has_document_collection, bundle_has_geometry_col-

Name: Bundle_Member_Entry			Version Id: 1.1.0.0
			lection, bundle_has_member_collection, bundle_has_miscellaneous_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
	doi	0..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			

Composite_Structure

Name: Composite_Structure			Version Id: 1.0.0.0
<i>Description:</i> The Composite Structure class provides a general framework for defining a structure that consists of two or more simpler structures			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Tagged_Digital_Object :: Composite_Structure			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	title	0..1	None
	local_identifier	0..1	None
	type_description	0..1	None

Name: Composite_Structure			Version Id: 1.0.0.0
	description	0..1	None
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	has_Local_ID_Reference	1..Unbounded	Local_ID_Reference
	has_Local_ID_Relation	1..Unbounded	Local_ID_Relation
<i>Referenced from:</i> File_Area_Observational, File_Area_Observational_Supplemental			

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.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Data_Object :: Conceptual_Object			
<i>No Attributes</i>			
<i>No Associations</i>			
<i>Referenced from:</i> Agency, Bundle, DD_Attribute, DD_Attribute_Full, DD_Class, DD_Class_Full, Data_Set_PDS3, Field_Statistics, 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.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Product_Components :: Context_Area			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	comment	0..1	None
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	has_time_coordinates	0..1	Time_Coordinates
	has_primary_result_description	0..1	Primary_Result_Summary

Name: Context_Area			Version Id: 1.0.0.0
	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_Browse, Product_Bundle, Product_Collection, Product_Document, Product_Native, Product_SPICE_Kernel, Product_XML_Schema			

DD_Associate_External_Class

Name: DD_Associate_External_Class			Version Id: 1.0.0.0
<i>Description:</i> The DD_Associate_External_Class class allows the definition of permissible values in Ingest_LDD for attributes defined in external namespaces.			
<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_Associate_External_Class			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	namespace_id	1..1	None
	class_name	1..1	None
	minimum_occurrences	1..1	None
	maximum_occurrences	1..1	None
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	dd_Context_Value_List	1..1	DD_Context_Value_List
<i>Referenced from:</i> DD_Class			

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.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Tagged_NonDigital_Child :: DD_Association			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	identifier_reference	1..Unbounded	None
	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

Name: DD_Association			Version Id: 1.2.0.0
Association(s)	Name	Cardinality	Class
	dd_attribute_reference	0..1	DD_Attribute_Reference
	dd_class_reference	0..1	DD_Class_Reference
Referenced from: 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*			
Attribute(s)	Name	Cardinality	Value
	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>			
Referenced from: 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			
Attribute(s)	Name	Cardinality	Value
	name	1..1	None
	version_id	1..1	None
	local_identifier	1..1	None
	nillable_flag	1..1	None
	submitter_name	1..1	None
	definition	1..1	None
	comment	0..1	None
Association(s)	Name	Cardinality	Class
	internal_reference	0..Unbounded	Internal_Reference
	data_object	1..1	Conceptual_Object
	terminological_entry	0..Unbounded	Terminological_Entry

Name: DD_Attribute			Version Id: 1.0.0.0
	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, At- tribute, Bit, Checksum, Collection, Constant, Cosine, Count, DOI, Delimiter, Description, Deviation, Direction, Distance, Duration, Factor, Flag, Format, Group, Home, ID, Lat- itude, Length, List, Lo- cation, Logical, Lon- gitude, Mask, Maxi- mum, Mean, Median, Minimum, Name, Note, Number, Offset, Or- der, Parallel, Password, Path, Pattern, Pixel, Quaternion, Radius, Ratio, Reference, Reso- lution, Role, Rotation, Scale, Sequence, Set,

Name: DD_Attribute_Full			Version Id: 1.0.0.0
			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
	version_id	1..1	None
	local_identifier	1..1	None
	submitter_name	1..1	None
	definition	1..1	None
	abstract_flag	0..1	None
	element_flag	0..1	None
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	internal_reference	0..Unbounded	Internal_Reference
	data_object	1..1	Conceptual_Object
	dd_association	1..Unbounded	DD_Associate_External_Class, DD_Asso-

Name: DD_Class			Version Id: 1.0.0.0
			ciation, DD_Association_External *Deprecated*
	terminological_entry	0..Unbounded	Terminological_Entry
<i>Referenced from:</i> 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			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	name	1..1	None
	version_id	1..1	None
	local_identifier	1..1	None
	steward_id	1..1	atm, geo, img, naif, ops, pds, ppi, rings, rs, sbn
	type	1..1	PDS3, PDS4
	namespace_id	1..1	None
	submitter_name	1..1	None
	definition	1..1	None
	comment	0..1	None
	registered_by	1..1	None
	registration_authority_id	1..1	None
	abstract_flag	0..1	None
	element_flag	0..1	None
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	data_object	1..1	Conceptual_Object
	dd_association	0..Unbounded	DD_Association
	terminological_entry	0..Unbounded	Terminological_Entry
<i>Referenced from:</i> Product_Class_Definition			

DD_Class_Reference

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>

Name: DD_Class_Reference			Version Id: 1.0.0.0
	namespace_id	1..1	None
	name	1..1	None
<i>No Associations</i>			
<i>Referenced from:</i> DD_Association, DD_Rule			

DD_Context_Value_List

Name: DD_Context_Value_List			Version Id: 1.0.0.0
<i>Description:</i> The DD_Context_Value_List class identifies an attribute and its relative xpath for the definition of 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_Context_Value_List			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	attribute_name	1..1	None
	attribute_relative_xpath	1..1	None
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	permissible_value	1..Unbounded	DD_Permissible_Value
<i>Referenced from:</i> DD_Associate_External_Class			

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_Context_Value_List, 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

Name: DD_Permissible_Value_Full			Version Id: 1.0.0.0
	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.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Tagged_NonDigital_Object :: TNDO_Supplemental :: DD_Rule			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	local_identifier	1..1	None
	rule_context	1..1	None
	rule_assign	0..Unbounded	None
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	dd_attribute_reference	0..1	DD_Attribute_Reference
	dd_class_reference	0..1	DD_Class_Reference
	rule_statement	1..Unbounded	DD_Rule_Statement
<i>Referenced from:</i> Ingest_LDD			

DD_Rule_Statement

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

DD_Value_Domain

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.			

Name: DD_Value_Domain			Version Id: 1.0.0.0
Namespace Id: pds	Steward: ops	Role: concrete	Status: Active
Class Hierarchy: Tagged_NonDigital_Child :: DD_Value_Domain			
Attribute(s)	Name	Cardinality	Value
	enumeration_flag	1..1	None
	value_data_type	1..1	ASCII_AnyURI, ASCII_BibCode, ASCII_Boolean, ASCII_DOI, ASCII_ Date_DOY, ASCII_ Date_Time_DOY, ASCII_Date_Time_ DOY_UTC, ASCII_ Date_Time_YMD, ASCII_Date_Time_ YMD_UTC, ASCII_ Date_YMD, ASCII_ Directory_Path_Name, ASCII_File_Name, ASCII_File_Specifi- cation_Name, ASCII_ Integer, ASCII_LID, ASCII_LIDVID, ASCII_LIDVID_ LID, ASCII_MD5_ Checksum, ASCII_ NonNegative_Inte- ger, ASCII_Numeric_ Base16, ASCII_Nu- meric_Base2, ASCII_ Numeric_Base8, ASCII_Real, ASCII_ Short_String_Col- lapsed, ASCII_Short_ String_Preserved, ASCII_Text_Collapsed, ASCII_Text_Preserved, ASCII_Time, ASCII_ VID, UTF8_Short_ String_Collapsed, UTF8_Short_String_ Preserved, UTF8_Text_ Collapsed, UTF8_ Text_Preserved, Vec- tor_Cartesian_3, Vec- tor_Cartesian_3_Accel- eration, Vector_Carte- sian_3_Pointing, Vec- tor_Cartesian_3_Posi- tion, Vector_Cartesian_ 3_Velocity
	formation_rule	0..1	None
	minimum_characters	0..1	None
	maximum_characters	0..1	None

Name: DD_Value_Domain			Version Id: 1.0.0.0
	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_Energy, Units_of_Force, Units_of_Frame_Rate, Units_of_Frequency, Units_of_Gmass, 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_Resolution_Map, Units_of_Pixel_Scale_Angular, Units_of_Pixel_Scale_Linear, Units_of_Pixel_Scale_Map, Units_of_Pressure, Units_of_Radiance, Units_of_Rates, Units_of_Solid_Angle, Units_of_Spectral_Irradiance, Units_of_Spectral_Radiance, Units_of_Storage, Units_of_Temperature, Units_of_Time, Units_of_Velocity, Units_of_Voltage, Units_of_Volume, Units_of_Wavenumber
	specified_unit_id	0..1	None
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	permissible_value	0..Unbounded	DD_Permissible_Value
<i>Referenced from: DD_Attribute</i>			

DD_Value_Domain_Full

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.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Role:</i> concrete	<i>Status:</i> Active

Name: DD_Value_Domain_Full			Version Id: 1.0.0.0
<i>Class Hierarchy:</i> Tagged_NonDigital_Child :: DD_Value_Domain_Full			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	enumeration_flag	1..1	None
	value_data_type	1..1	ASCII_AnyURI, ASCII_BibCode, ASCII_Boolean, ASCII_DOI, ASCII_ Date_DOY, ASCII_ Date_Time_DOY, ASCII_Date_Time_ DOY_UTC, ASCII_ Date_Time_YMD, ASCII_Date_Time_ YMD_UTC, ASCII_ Date_YMD, ASCII_ Directory_Path_Name, ASCII_File_Name, ASCII_File_Specifi- cation_Name, ASCII_ Integer, ASCII_LID, ASCII_LIDVID, ASCII_LIDVID_ LID, ASCII_MD5_ Checksum, ASCII_ NonNegative_Inte- ger, ASCII_Numeric_ Base16, ASCII_Nu- meric_Base2, ASCII_ Numeric_Base8, ASCII_Real, ASCII_ Short_String_Col- lapsed, ASCII_Short_ String_Preserved, ASCII_Text_Collapsed, ASCII_Text_Preserved, ASCII_Time, ASCII_ VID, UTF8_Short_ String_Collapsed, UTF8_Short_String_ Preserved, UTF8_Text_ Collapsed, 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_An-

Name: DD_Value_Domain_Full			Version Id: 1.0.0.0
			gular_Velocity, Units_of_Area, Units_of_Current, Units_of_Energy, Units_of_Force, Units_of_Frame_Rate, Units_of_Frequency, Units_of_Gmass, 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_Resolution_Map, Units_of_Pixel_Scale_Angular, Units_of_Pixel_Scale_Linear, Units_of_Pixel_Scale_Map, Units_of_Pressure, Units_of_Radiance, Units_of_Rates, Units_of_Solid_Angle, Units_of_Spectral_Irradiance, Units_of_Spectral_Radiance, Units_of_Storage, Units_of_Temperature, Units_of_Time, Units_of_Velocity, Units_of_Voltage, Units_of_Volume, Units_of_Wavenumber
	conceptual_domain	1..1	Boolean, Integer, Name, Numeric, Real, Short_String, Text, Time, Type, Unknown
	specified_unit_id	0..1	None
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	permissible_value	0..Unbounded	DD_Permissible_Value_Full
<i>Referenced from: DD_Attribute_Full</i>			

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

Name: DIP_Deep_Archive			Version Id: 1.0.0.0
<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			
<i>No Attributes</i>			
<i>No Associations</i>			
<i>Referenced from:</i> 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.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Data_Object :: Digital_Object			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	bit_string	1..1	None
<i>No Associations</i>			
<i>Referenced from:</i> Array, Array_1D, 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_Audio, 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, Table_Delimited_Source_Product_External, Table_Delimited_Source_Product_Internal, 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.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Product_Components :: Discipline_Area			
<i>No Attributes</i>			
<i>No Associations</i>			
<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.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Product_Components :: Discipline_Facets			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	discipline_name	1..1	Atmospheres, Fields, Flux Measurements, Geosciences, Imaging, 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

Name: Dissemination_Information_Package	Version Id: 1.0.0.0
No Associations	
Referenced from: Product_DIP	

Document

Name: Document			Version Id: 2.0.0.0
Description: The Document class describes a document.			
Namespace Id: pds	Steward: pds	Role: concrete	Status: Active
Class Hierarchy: Tagged_NonDigital_Object :: TNDO_Supplemental :: Document			
Attribute(s)	Name	Cardinality	Value
	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
Association(s)	Name	Cardinality	Class
	has_document_edition	1..Unbounded	Document_Edition
	data_object	1..1	Digital_Object
Referenced from: 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.			
Namespace Id: pds	Steward: pds	Role: concrete	Status: Active
Class Hierarchy: Tagged_NonDigital_Child :: Document_Edition			
Attribute(s)	Name	Cardinality	Value
	edition_name	1..1	None
	starting_point_identifier	0..1	None
	language	1..1	English
	files	1..1	None
	description	0..1	None
Association(s)	Name	Cardinality	Class
	has_document_file	1..Unbounded	Document_File
Referenced from: 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
	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
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	data_object	1..1	Digital_Object
<i>Referenced from:</i> Document_Edition			

Document_Object

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

Element_Array

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			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	data_type	1..1	ComplexLSB16, ComplexLSB8, ComplexMSB16, ComplexMSB8, IEEE754LSBDouble, IEEE754LSBSingle, IEEE754MSBDou- ble, IEEE754MSBSin- gle, Signed- BitString, Signed- Byte, SignedLSB2, SignedLSB4, SignedLSB8, Signed- MSB2, SignedMSB4, SignedMSB8, Un- signedBitString, Un- signedByte, Un- signedLSB2, Un- signedLSB4, Un- signedLSB8, Unsigned- MSB2, Unsigned- MSB4, 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, Array_2D, Array_2D_Image, Array_2D_Map, Array_2D_Spectrum, Array_3D, Array_3D_Image, Array_3D_Movie, Array_3D_Spectrum			

Encoded_Audio

Name: Encoded_Audio			Version Id: 1.0.0.0
<i>Description:</i> The Encoded_Audio class is used for files containing audio data in standard formats, such as WAV.			
<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_Audio			
<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

Name: Encoded_Audio			Version Id: 1.0.0.0
	offset	1..1	None
	object_length	0..1	None
	encoding_standard_id	1..1	M4A/AAC, WAV
	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			

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

Name: Encoded_Byte_Stream			Version Id: 1.0.0.0
	encoding_standard_id	1..1	None
	description	0..1	None
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	data_object	1..1	Digital_Object
<i>Referenced from:</i> File_Area_Observational_Supplemental			

Encoded_Header

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

Encoded_Image

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

Name: Encoded_Image			Version Id: 1.0.0.0
	description	0..1	None
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	data_object	1..1	Digital_Object
<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
<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

Name: Field			Version Id: 1.1.0.0
	field_number	0..1	None
<i>No Associations</i>			
<i>Referenced from: None</i>			

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_BibCode, ASCII_Boolean, ASCII_DOI, ASCII_Date_DOY, ASCII_Date_Time_DOY, ASCII_Date_Time_DOY_UTC, ASCII_Date_Time_YMD, ASCII_Date_Time_YMD_UTC, ASCII_Date_YMD, ASCII_Directory_Path_Name, ASCII_File_Name, ASCII_File_Specification_Name, ASCII_Integer, ASCII_LID, ASCII_LIDVID, ASCII_LIDVID_LID, ASCII_MD5_Checksum, ASCII_NonNegative_Integer, ASCII_Numeric_Base16, ASCII_Numeric_Base2, ASCII_Numeric_Base8, ASCII_Real, ASCII_String, ASCII_Time, ASCII_VID, ComplexLSB16, ComplexLSB8, ComplexMSB16, ComplexMSB8, IEEE754LSBDouble, IEEE754LSBSingle, IEEE754MSBDouble, IEEE754MSBSingle, Signed-BitString, Signed-

Name: Field_Binary			Version Id: 1.0.0.0
			Byte, 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_location	0..1	None
	start_bit *Deprecated*	0..1	None
	stop_bit_location	0..1	None
	stop_bit *Deprecated*	0..1	None
	data_type	1..1	SignedBitString, UnsignedBitString
	field_format	0..1	None
	unit	0..1	None
	scaling_factor	0..1	None

Name: Field_Bit			Version Id: 1.0.0.0
	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_BibCode, ASCII_Boolean, ASCII_DOI, ASCII_Date_DOY, ASCII_Date_Time_DOY, ASCII_Date_Time_DOY_UTC, ASCII_Date_Time_YMD, ASCII_Date_Time_YMD_UTC, ASCII_Date_YMD, ASCII_Directory_Path_Name, ASCII_File_Name, ASCII_File_Specification_Name, ASCII_Integer, ASCII_LID, ASCII_LIDVID, ASCII_LIDVID_LID, ASCII_MD5_Checksum, ASCII_NonNegative_Integer, ASCII_Numeric_Base16, ASCII_Numeric_Base2, ASCII_Numeric_Base8, ASCII_Real, ASCII_String, ASCII_Time, ASCII_VID, UTF8_String
	field_length	1..1	None
	field_format	0..1	None

Name: Field_Character			Version Id: 1.0.0.0
	validation_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_BibCode, ASCII_Boolean, ASCII_DOI, ASCII_Date_DOY, ASCII_Date_Time_DOY, ASCII_Date_Time_DOY_UTC, ASCII_Date_Time_YMD, ASCII_Date_Time_YMD_UTC, ASCII_Date_YMD, ASCII_Directory_Path_Name, ASCII_File_Name, ASCII_File_Specification_Name, ASCII_Integer, ASCII_LID, ASCII_LIDVID, ASCII_LIDVID_LID, ASCII_MD5_Checksum, ASCII_NonNegative_Integer, ASCII_Numeric_Base16, ASCII_Numeric_Base2, ASCII_Numeric_Base8, ASCII_Real, ASCII_String, ASCII_

Name: Field_Delimited			Version Id: 1.0.0.0
			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
<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

Name: File			Version Id: 1.1.0.0
	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
Referenced from: 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			
<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, 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_Audio, Encoded_Header, Encoded_Image, Header, Stream_Text, Table_Binary, Table_Character, Table_Delimited

Name: File_Area_Ancillary	Version Id: 1.1.0.0
<i>Referenced from:</i> Product_Ancillary	

File_Area_Binary

Name: File_Area_Binary			Version Id: 1.0.0.0
Description: The File Area Binary class describes a file that contains an encoded byte stream.			
Namespace Id: pds	Steward: ops	Role: concrete	Status: Active
Class Hierarchy: Product_Components :: File_Area :: File_Area_Binary			
No Attributes			
Association(s)	Name	Cardinality	Class
	has_File	1..1	File
	has_tagged_data_object	0..Unbounded	Encoded_Binary
Referenced from: 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, Array_2D, Array_2D_Image, Array_2D_Map, Array_2D_Spectrum, Array_3D, Array_3D_Image, Array_3D_Movie, Array_3D_Spectrum, Encoded_Audio, 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

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

File_Area_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>			
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>

Name: File_Area_Metadata			Version Id: 1.0.0.0
	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>			
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	has_File	1..1	File
	has_tagged_data_object	1..Unbounded	Encoded_Native
<i>Referenced from:</i> Product_Native			

File_Area_Observational

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>			
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	has_File	1..1	File
	has_composite_structure	0..1	Composite_Structure
	has_tagged_data_object	1..Unbounded	Array, Array_1D, 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>	<i>Class</i>
	has_File	1..1	File
	has_composite_structure	0..1	Composite_Structure
	has_tagged_data_object	1..Unbounded	Array, Array_1D, 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_Byte_Stream, Encoded_Header, Encoded_Image, Header, Parsable_Byte_Stream, Stream_Text, Table_Binary, Table_Character, Table_Delimited, Table_Delimited_Source_Product_External, Table_Delimited_Source_Product_Internal
<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.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Product_Components :: File_Area :: File_Area_SIP_Deep_Archive			
<i>No Attributes</i>			
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	has_File	1..1	File
	has_tagged_data_object	1..1	Manifest_SIP_Deep_Archive
<i>Referenced from:</i> Information_Package_Component_Deep_Archive			

File_Area_SPICE_Kernel

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.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Product_Components :: File_Area :: File_Area_SPICE_Kernel			
<i>No Attributes</i>			
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	has_File	1..1	File
	has_tagged_data_object	1..1	SPICE_Kernel
<i>Referenced from:</i> Product_SPICE_Kernel			

File_Area_Service_Description

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.			
<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_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.			
<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_Text			
<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	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.			
<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_Transfer_Manifest			

Name: File_Area_Transfer_Manifest			Version Id: 1.0.0.0
<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..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.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Role:</i> concrete	<i>Status:</i> Deprecated
<i>Class Hierarchy:</i> Product_Components :: File_Area :: File_Area_Update *Deprecated*			
<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_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.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Product_Components :: File_Area :: File_Area_XML_Schema			
<i>No Attributes</i>			
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	has_File	1..1	File
	has_tagged_data_object	1..1	XML_Schema
<i>Referenced from:</i> Product_XML_Schema			

Finding_Aid_Object

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.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Data_Object :: Digital_Object :: Supplemental_Object :: Finding_Aid_Object			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	bit_string	1..1	None

Name: Finding_Aid_Object	Version Id: 1.0.0.0
No Associations	
Referenced from: 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.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Role:</i> abstract	<i>Status:</i> Active
<i>Class Hierarchy:</i> Tagged_Digital_Child :: Group			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	name	0..1	None
	group_number	0..1	None
	repetitions	1..1	None
	fields	1..1	None
	groups	1..1	None
	description	0..1	None
<i>No Associations</i>			
<i>Referenced from:</i> None			

Group_Facet1

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

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

Name: Header			Version Id: 1.1.0.0
<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 ISTEP/IACG, FITS 3.0, FITS 4.0, ISIS2, ISIS2 History Label, ISIS3, PDS DSV 1, PDS ODL 2, PDS3, Pre-PDS3, TIFF 6.0, UTF-8 Text, VICAR1, VICAR2
	description	0..1	None
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	data_object	1..1	Digital_Object
<i>Referenced from:</i> File_Area_Ancillary, File_Area_Browse, File_Area_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, 1.10.0.0, 1.10.1.0, 1.11.0.0, 1.12.0.0, 1.13.0.0, 1.14.0.0, 1.15.0.0, 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, 1.9.1.0
	product_class	1..1	Product_AIP, Product_Ancillary, Product_Attribute_Definition, Product_Browse, Product_Bundle, Product_Class_Definition, Product_Collec-

Name: Identification_Area			Version Id: 1.4.0.0
			tion, 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, Product_Volume_PDS3, Product_Volume_Set_PDS3, Product_XML_Schema, Product_Zipped
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	alias_list	0..1	Alias_List
	citation_information	0..1	Citation_Information
	modification_history	0..1	Modification_History
<i>Referenced from:</i> Product, Product_AIP, Product_Ancillary, Product_Attribute_Definition, Product_Browse, Product_Bundle, Product_Class_Definition, Product_Collection, Product_Context, Product_DIP, Product_DIP_Deep_Archive, Product_Data_Set_PDS3, Product_Document, Product_File_Repository, Product_File_Text, Product_Instrument_Host_PDS3, Product_Instrument_PDS3, Product_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			

Name: Information_Package			Version Id: 1.0.0.0
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
	transfer_manifest_checksum	0..1	None
Association(s)	Name	Cardinality	Class
	internal_reference	1..Unbounded	Internal_Reference
	has_Checksum_Manifest	0..1	File_Area_Checksum_Manifest
	has_Transfer_Manifest	0..1	File_Area_Transfer_Manifest
<i>Referenced from:</i> Product_AIP, Product_DIP, Product_DIP_Deep_Archive, Product_SIP			

Information_Package_Component_Deep_Archive

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			
Attribute(s)	Name	Cardinality	Value
	manifest_checksum	1..1	None
	checksum_type	1..1	MD5, MD5Deep 4.n
	manifest_url	1..1	None
	aip_lidvid	1..1	None
	aip_label_checksum	1..1	None
Association(s)	Name	Cardinality	Class

Name: Information_Package_Component_Deep_Archive			Version Id: 1.0.0.0
	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 *Deprecated*	0..Unbounded	Accelerometer, Alpha Particle Detector, Alpha Particle X-Ray Spectrometer, Altimeter, Anemometer, Atmospheric Sciences, Atomic 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,

Name: Instrument			Version Id: 1.3.0.0
			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, Ultra-violet Spectrometer, Weather Station, Wet Chemistry Laboratory, X-ray Detector, X-ray Diffraction Spectrometer, X-ray Fluorescence Spectrometer
	subtype *Deprecated*	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>
	has_type_list_area	1..1	Type_List_Area
	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 *Deprecated*	0..1	None
	version_id *Deprecated*	0..1	None
	type	1..1	Aircraft, Balloon, Earth Based, Earth-based, Lander, Rover, Spacecraft, Suborbital Rocket
	naif_host_id	0..1	None
	serial_number	0..1	None

Name: Instrument_Host			Version Id: 1.3.0.0
	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 PDS4-compliant registries of PDS and its recognized international partners.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Product_Components :: Internal_Reference			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	lid_reference	1..1	None
	lidvid_reference	1..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, hori-

Name: Inventory			Version Id: 1.2.0.0
			zontal 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> A set of experiments and/or observations with a clearly defined purpose.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Tagged_NonDigital_Object :: TNDO_Context :: Investigation			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	name	0..1	None
	type	1..1	Field Campaign, Individual Investigation, Mission, Observing Campaign, Other Investigation
	start_date	1..1	None
	stop_date	1..1	None
	description	1..1	None
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	data_object	1..1	Conceptual_Object
<i>Referenced from:</i> Product_Context			

Investigation_Area

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).			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Product_Components :: Investigation_Area			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	name	1..1	None
	type	1..1	Field Campaign, Individual Investigation, Mission, Observing Campaign, Other Investigation
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>

Name: Investigation_Area			Version Id: 1.1.0.0
	internal_reference	1..Unbounded	Internal_Reference
Referenced from: Context_Area, Observation_Area			

Local_ID_Reference

Name: Local_ID_Reference			Version Id: 1.0.0.0
<i>Description:</i> The Local_ID_Reference class defines a one directional relationship by referencing another description object in the label.			
Namespace Id: pds	Steward: pds	Role: concrete	Status: Active
Class Hierarchy: Tagged_Digital_Child :: Local_ID_Reference			
Attribute(s)	Name	Cardinality	Value
	comment	0..1	None
	id_reference_to	1..Unbounded	None
	id_reference_type	1..1	has_component, has_primary_component
No Associations			
Referenced from: Composite_Structure			

Local_ID_Relation

Name: Local_ID_Relation			Version Id: 1.0.0.0
<i>Description:</i> The Local_ID_Relation class defines a one directional relationship between two description objects in the label.			
Namespace Id: pds	Steward: pds	Role: concrete	Status: Active
Class Hierarchy: Tagged_Digital_Child :: Local_ID_Relation			
Attribute(s)	Name	Cardinality	Value
	comment	0..1	None
	id_reference_from	1..Unbounded	None
	id_reference_to	1..Unbounded	None
	id_reference_type	1..1	has_axis_values, has_backplane, has_column_headers, has_display_settings, has_spectral_characteristics
No Associations			
Referenced from: Composite_Structure			

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
Class Hierarchy: Product_Components :: Local_Internal_Reference			
Attribute(s)	Name	Cardinality	Value

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> Array, Array_1D, 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
<i>Class Hierarchy:</i> Product_Components :: Mission_Area			

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

Name: Object_Statistics			Version Id: 1.0.0.0
<i>Class Hierarchy:</i> Tagged_NonDigital_Object :: TNDO_Supplemental :: Object_Statistics			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	local_identifier	0..1	None
	maximum	0..1	None
	minimum	0..1	None
	mean	0..1	None
	standard_deviation	0..1	None
	bit_mask *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>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	data_object	1..1	Conceptual_Object
<i>Referenced from:</i> Array, Array_1D, 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.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Product_Components :: Context_Area :: Observation_Area			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	comment	0..1	None
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	has_time_coordinates	1..1	Time_Coordinates
	has_primary_result_description	0..1	Primary_Result_Summary
	has_investigation_area	1..Unbounded	Investigation_Area
	has_observing_system	1..Unbounded	Observing_System
	has_target_identification	1..Unbounded	Target_Identification
	has_mission_area	0..1	Mission_Area
	has_discipline_area	0..1	Discipline_Area
<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.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Data_Object :: Digital_Object :: Observational_Object			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	bit_string	1..1	None
<i>No Associations</i>			
<i>Referenced from:</i> None			

Observing_System

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.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Tagged_NonDigital_Object :: TNDO_Context :: Observing_System			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	name	0..1	None
	description	0..1	None
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	observing_system_component	1..Unbounded	Observing_System_Component
	data_object	1..1	Conceptual_Object, Physical_Object
<i>Referenced from:</i> Context_Area, Observation_Area			

Observing_System_Component

Name: Observing_System_Component			Version Id: 1.1.0.0
<i>Description:</i> The Observing System Component class describes one or more subsystems used to collect data.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Tagged_NonDigital_Child :: Observing_System_Component			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	name	1..1	None
	type	1..1	Airborne, Aircraft, Artificial Illumination, Balloon, Computer, Facility, Host, Instrument, Laboratory, Literature Search, Naked Eye, Observatory, Spacecraft, Suborbital Rocket, Telescope

Name: Observing_System_Component			Version Id: 1.1.0.0
	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
	phone_book_flag	1..1	None
	postal_address_text	1..1	None
	team_name	0..Unbounded	Cartography and Imaging Sciences Discipline, Engineering, Geo-

Name: PDS_Affiliate			Version Id: 1.0.0.0
			sciences, 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
<i>Referenced from:</i> 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
<i>Referenced from:</i> 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.			
<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

Name: Packed_Data_Fields			Version Id: 1.0.0.0
<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 Physiscal 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.			
<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>			

Name: Physical_Object	Version Id: 1.0.0.0
<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
Description: The Primary_Result_Summary class provides a high-level description of the types of products included in the collection or bundle			
Namespace Id: pds	Steward: pds	Role: concrete	Status: Active
Class Hierarchy: Product_Components :: Primary_Result_Summary			
Attribute(s)	Name	Cardinality	Value
	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, Supporting Observation
	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
	description	0..1	None
Association(s)	Name	Cardinality	Class
	has_Science_Facet	0..Unbounded	Science_Facets
Referenced from: 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.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Product			
<i>No Attributes</i>			
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	has_identification_area	1..1	Identification_Area
<i>Referenced from:</i> None			

Product_Components

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.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Role:</i> abstract	<i>Status:</i> Active
<i>Class Hierarchy:</i> Product_Components			
<i>No Attributes</i>			
<i>No Associations</i>			
<i>Referenced from:</i> None			

Property_Map

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.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Tagged_NonDigital_Object :: TNDO_Supplemental :: Property_Map			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	identifier	0..1	None
	title	0..1	None
	model_object_id	1..1	None
	model_object_type	1..1	None
	instance_id	0..Unbounded	None
	external_namespace_id	0..Unbounded	None
	description	0..1	None
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	has_Property_Map_Entry	1..Unbounded	Property_Map_Entry
<i>Referenced from:</i> Property_Maps			

Property_Map_Entry

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.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Tagged_NonDigital_Object :: TNDO_Supplemental :: Property_Map_Entry			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	property_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
<i>No Associations</i>			
<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.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Tagged_NonDigital_Object :: TNDO_Supplemental :: Property_Maps			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	identifier	1..1	None
	title	0..1	None
	namespace_id	1..1	None
	description	0..1	None
	external_property_map_id	0..Unbounded	None
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	has_property_map	1..Unbounded	Property_Map
<i>Referenced from:</i> Ingest_LDD			

Quaternion

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 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

Name: Quaternion			Version Id: 1.0.0.0
	local_identifier	0..1	None
	type	1..1	SPICE, Spacecraft Telemetry
	description	1..1	None
Association(s)	Name	Cardinality	Class
	data_object	1..1	Conceptual_Object
	quaternion_component	4..4	Quaternion_Component
Referenced from: 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			
Attribute(s)	Name	Cardinality	Value
	name	0..1	None
	data_type	1..1	ASCII_Real
	value	1..1	None
	sequence_number	1..1	None
	description	0..1	None
No Associations			
Referenced from: 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			
Attribute(s)	Name	Cardinality	Value
	fields	1..1	None
	groups	1..1	None
No Associations			
Referenced from: 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.			

Name: Record_Binary			Version Id: 1.0.0.0
Namespace Id: pds	Steward: pds	Role: concrete	Status: Active
Class Hierarchy: 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
Referenced from: Table_Binary			

Record_Character

Name: Record_Character			Version Id: 1.1.0.0
Description: 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
Class Hierarchy: 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
Referenced from: Table_Character, Transfer_Manifest			

Record_Delimited

Name: Record_Delimited			Version Id: 1.0.0.0
Description: 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
Class Hierarchy: 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
Association(s)	Name	Cardinality	Class
	has_Delimited_Field	1..Unbounded	Field_Delimited, Group_Field_Delimited
Referenced from: Inventory, Manifest_SIP_Deep_Archive, Table_Delimited, Table_Delimited_Source_Product_External, Table_Delimited_Source_Product_Internal			

Reference_List

Name: Reference_List			Version Id: 1.0.0.0
<i>Description:</i> The Reference_List class provides general references, cross-references, and source products for the product. References cited elsewhere in the label need not be repeated here.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Product_Components :: Reference_List			
<i>No Attributes</i>			
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	internal_reference	0..Unbounded	Internal_Reference
	external_reference	0..Unbounded	External_Reference
	source_product_inter- nal	0..Unbounded	Source_Product_Inter- nal
	source_product_exter- nal	0..Unbounded	Source_Product_Exter- nal
<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.			
<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 :: Resource			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	name	0..1	None
	type	1..1	Information.Agency, Information.Instrument, Information.Instrument_Host, Information.Investigation, Information.Node, Information.Person, Information.Resource, Information.Science_Portal, Information.Target, System.Browse, System.Directory_Listing, System.Registry_Query, System.Search, System.Transform, System.Transport

Name: Resource			Version Id: 1.0.0.0
	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
<i>Referenced from:</i> 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
	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>

Name: SPICE_Kernel			Version Id: 1.0.0.0
	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.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Data_Object :: Digital_Object :: Supplemental_Object :: SPICE_Kernel_Object			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	bit_string	1..1	None
<i>No Associations</i>			
<i>Referenced from:</i> None			

Science_Facets

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 an product has facets related to, for example, two different disciplines (as defined by the discipline_name facet). Note that Science_Facets was modeled with Discipline_Facets as a component and Discipline_Facets was modeled with Group_Facet1 and Group_Facet2 as components. This dependency hierarchy was flattened and only Science_Facets exists in the schema.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Product_Components :: Science_Facets			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	wavelength_range	0..Unbounded	Far Infrared, Gamma Ray, Infrared, Microwave, Millimeter, Near Infrared, Radio, Submillimeter, Ultraviolet, Visible, X-ray
	domain	0..Unbounded	Atmosphere, Dynamics, Heliosheath, 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
<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.			

Name: Service			Version Id: 1.0.0.0
Namespace Id: pds	Steward: ops	Role: concrete	Status: Active
Class Hierarchy: Tagged_NonDigital_Object :: TNDO_Context :: Service			
Attribute(s)	Name	Cardinality	Value
	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
Association(s)	Name	Cardinality	Class
	data_object	1..1	Conceptual_Object
Referenced from: Product_Service			

Service_Description

Name: Service_Description			Version Id: 1.0.0.0
Description: The Service Description class defines a file that contains a standardized service specification.			
Namespace Id: pds	Steward: ops	Role: concrete	Status: Active
Class Hierarchy: Tagged_Digital_Object :: Byte_Stream :: Parsable_Byte_Stream :: Service_Description			
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	WADL, WSDL 2.n
	description	0..1	None
Association(s)	Name	Cardinality	Class

Name: Service_Description			Version Id: 1.0.0.0
	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 *Deprecat- ed*	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
	supported_architec- ture_note	1..Unbounded	None
	supported_operating_ system_note	1..Unbounded	None
	system_requirements_ note	1..1	None

Name: Software_Binary			Version Id: 1.0.0.0
<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
	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>

Name: Software_Source			Version Id: 1.0.0.0
	data_object	1..1	Digital_Object
Referenced from: Product_Software			

Source_Product_External

Name: Source_Product_External			Version Id: 1.0.0.0
<i>Description:</i> The Source_Product_External class is used to reference one or more source products (a product containing input data for the creation of this product) outside the PDS4 Registry that have a common reference_type, doi, curating facility, and/or description. At least one of doi or curating facility must be provided. All source products listed within a single Source_Product_External class must correspond to the same doi and/or curating facility.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Tagged_NonDigital_Child :: Source_Product_External			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	external_source_product_identifier	1..Unbounded	None
	reference_type	1..1	data_to_calibrated_source_product, data_to_derived_source_product, data_to_partially_processed_source_product, data_to_raw_source_product, data_to_telemetry_source_product
	doi	0..1	None
	curating_facility	0..1	None
	description	0..1	None
<i>No Associations</i>			
Referenced from: Reference_List			

Source_Product_Internal

Name: Source_Product_Internal			Version Id: 1.0.0.0
<i>Description:</i> The Source_Product_Internal class is used to reference one or more source products in the PDS4 registry system. A source product contains input data for the creation of this product.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Tagged_NonDigital_Child :: Source_Product_Internal			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	lidvid_reference	1..Unbounded	None
	reference_type	1..1	data_to_calibrated_source_product, data_to_derived_source_product, data_to_partially_processed_source_product, data_to_raw_source_product

Name: Source_Product_Internal			Version Id: 1.0.0.0
			uct, data_to_telemetry_source_product
	comment	0..1	None
<i>No Associations</i>			
<i>Referenced from:</i> Reference_List			

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, 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
<i>Class Hierarchy:</i> Tagged_Digital_Object :: Byte_Stream :: Parsable_Byte_Stream :: Stream_Text			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	name	0..1	None

Name: Stream_Text			Version Id: 1.0.0.0
	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, PDS3, UTF-8 Text
	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_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			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	description	1..1	None
<i>No Associations</i>			
<i>Referenced from:</i> Product_SIP			

Supplemental_Object

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

Symbolic_Literals_PDS

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_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>			
<i>No Associations</i>			
<i>Referenced from:</i> 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: Table_Base			Version Id: 1.0.0.0
	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
Association(s)	Name	Cardinality	Class
	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			
Attribute(s)	Name	Cardinality	Value
	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
Association(s)	Name	Cardinality	Class
	data_object	1..1	Digital_Object
	uniformly_sampled	0..1	Uniformly_Sampled
	has_Record	1..1	Record_Binary
<i>Referenced from:</i> File_Area_Ancillary, File_Area_Browse, File_Area_Observational, File_Area_Observational_Supplemental			

Table_Character

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			
Attribute(s)	Name	Cardinality	Value
	name	0..1	None
	local_identifier	0..1	None
	md5_checksum	0..1	None

Name: Table_Character			Version Id: 1.0.0.0
	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
	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*			

Table_Delimited_Source_Product_External

Name: Table_Delimited_Source_Product_External			Version Id: 1.0.0.0
<i>Description:</i> The Table_Delimited_Source_Product_External class defines a table that references many source products (products containing input data for the creation of this product) outside the PDS4 Registry that have a common reference_type, doi, curating facility, and/or description. At least one of doi or curating facility must be provided for each source product.			
<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 :: Table_Delimited_Source_Product_External			
<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	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_delimited_record	1..1	Record_Delimited
<i>Referenced from:</i> File_Area_Observational_Supplemental			

Table_Delimited_Source_Product_Internal

Name: Table_Delimited_Source_Product_Internal			Version Id: 1.0.0.0
<i>Description:</i> The Table_Delimited_Source_Product_Internal class defines a table that references many source products (products containing input data for the creation of this product) in the PDS4 registry system. A source product contains input data for the creation of this product.			
<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 :: Table_Delimited_Source_Product_Internal			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	name	0..1	None
	local_identifier	0..1	None

Name: Table_Delimited_Source_Product_Internal			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	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	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_delimited_record	1..1	Record_Delimited
<i>Referenced from:</i> File_Area_Observational_Supplemental			

Tagged_Digital_Child

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

Tagged_Digital_Object

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

Target

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.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Tagged_NonDigital_Object :: TNDO_Context :: Target			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	name	0..1	None
	type	0..Unbounded	Asteroid, Astrophysical, Calibration, Calibration Field, Calibrator, Centaur, Comet, Dust, Dwarf Planet, Equipment, Exoplanet System, Galaxy, Globular Cluster, Laboratory Analog, Lunar Sample, Magnetic Field, Meteorite, Meteoroid, Meteoroid Stream, Nebula, Open Cluster, Planet, Planetary Nebula, Planetary System, Plasma Cloud, Plasma Stream, Ring, Sample, Satel-

Name: Target			Version Id: 1.3.0.0
			lite, Star, Star Cluster, Synthetic Sample, Terrestrial Sample, Trans-Neptunian Object
	description	1..1	None
Association(s)	Name	Cardinality	Class
	data_object	1..1	Physical_Object
Referenced from: 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.			
Namespace Id: pds	Steward: pds	Role: concrete	Status: Active
Class Hierarchy: Product_Components :: Target_Identification			
Attribute(s)	Name	Cardinality	Value
	name	1..1	None
	alternate_designation	0..Unbounded	None
	type	1..Unbounded	Asteroid, Astrophysical, Calibration, Calibration Field, Calibrator, Centaur, Comet, Dust, Dwarf Planet, Equipment, Exoplanet System, Galaxy, Globular Cluster, Laboratory Analog, Lunar Sample, Magnetic Field, Meteorite, Meteoroid, Meteoroid Stream, Nebula, Open Cluster, Planet, Planetary Nebula, Planetary System, Plasma Cloud, Plasma Stream, Ring, Sample, Satellite, Star, Star Cluster, Synthetic Sample, Terrestrial Sample, Trans-Neptunian Object
	description	0..1	None
Association(s)	Name	Cardinality	Class
	internal_reference	0..1	Internal_Reference
Referenced from: 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.		

Name: Telescope			Version Id: 1.3.0.0
Namespace Id: pds	Steward: pds	Role: concrete	Status: Active
Class Hierarchy: Tagged_NonDigital_Object :: TNDO_Context :: Telescope			
Attribute(s)	Name	Cardinality	Value
	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
Association(s)	Name	Cardinality	Class
	data_object	1..1	Physical_Object
Referenced from: Product_Context			

Term_Map_SKOS

Name: Term_Map_SKOS			Version Id: 1.0.0.0
Description: The Term_Map_SKOS class is used to collect a set of terms and definitions for a SKOS ontology.			
Namespace Id: pds	Steward: ops	Role: concrete	Status: Active
Class Hierarchy: Tagged_NonDigital_Object :: TNDO_Supplemental :: Term_Map_SKOS			
No Attributes			
Association(s)	Name	Cardinality	Class
	Term_Map_SKOS_to_Term_Entry_SKOS	1..Unbounded	Terminological_Entry_SKOS
Referenced from: None			

Terminological_Entry

Name: Terminological_Entry			Version Id: 1.1.0.0
Description: The terminological_entry class provides the name (designation) and definition of the attribute in a specified natural language.			
Namespace Id: pds	Steward: ops	Role: concrete	Status: Active
Class Hierarchy: Tagged_NonDigital_Child :: Terminological_Entry			
Attribute(s)	Name	Cardinality	Value
	name	1..1	None
	definition	1..1	None
	language	1..1	English, Russian
	preferred_flag	1..1	None
	skos_relation_name	0..1	broadMatch, close-Match, exactMatch, narrowMatch, related-Match

Name: Terminological_Entry			Version Id: 1.1.0.0
	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			

Terminological_Entry_SKOS

Name: Terminological_Entry_SKOS			Version Id: 1.0.0.0
<i>Description:</i> The terminological_entry_SKOS class provides terms and definitions for a SKOS ontology.			
<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_SKOS			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	identifier	1..1	None
	registration_authority	0..1	PDS3, PDS4, VICAR
	namespace_id	1..1	None
	steward_id	1..1	None
	title	1..1	None
	description	1..1	None
	referenced_identifier	0..1	None
	skos_relation_name	1..1	broadMatch, close-Match, exactMatch, narrowMatch, related-Match
	model_object_id	0..1	None
	model_object_type	1..1	Attribute, Class, Key-word, Nuance, Value
	instance_id	0..1	None
<i>No Associations</i>			
<i>Referenced from:</i> Term_Map_SKOS			

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

Name: Time_Coordinates			Version Id: 1.0.0.0
	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_specification_names of the products' XML label files.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Tagged_Digital_Object :: Byte_Stream :: Table_Base :: Table_Character :: Transfer_Manifest			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	name	0..1	None
	local_identifier	0..1	None
	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_Transfer_Manifest			

Type_List_Area

Name: Type_List_Area			Version Id: 1.0.0.0
<i>Description:</i> The Type_List_Area allows the insertion of a Type List.			
<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 :: Type_List_Area			
<i>No Attributes</i>			
<i>No Associations</i>			
<i>Referenced from:</i> Instrument			

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

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

Update *Deprecated*

Name: Update *Deprecated*			Version Id: 1.0.0.0
<i>Description:</i> The Update class consists of update information.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Role:</i> concrete	<i>Status:</i> 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.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Role:</i> concrete	<i>Status:</i> Active

Name: Update_Entry			Version Id: 1.0.0.0
<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.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Data_Object :: Digital_Object :: Supplemental_Object :: Update_Object			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	bit_string	1..1	None
<i>No Associations</i>			
<i>Referenced from:</i> None			

Vector

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> None			

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			
<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

Name: Vector_Cartesian_3_Pointing			Version Id: 1.0.0.0
	z	1..1	None
<i>No Associations</i>			
<i>Referenced from: None</i>			

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: None</i>			

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: None</i>			

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			

Name: Vector_Component			Version Id: 1.0.0.0
<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
	offset	1..1	None
	object_length	0..1	None
	parsing_standard_id	1..1	Schematron ISO/IEC 19757-3:2006, XML Schema Version 1.1
	description	0..1	None
	ldd_version_id	0..1	None
<i>Association(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Class</i>
	data_object	1..1	Digital_Object
<i>Referenced from:</i> File_Area_XML_Schema			

Zip

Name: Zip			Version Id: 1.0.0.0
<i>Description:</i> The Zip class describes a zip file.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Tagged_NonDigital_Object :: TNDO_Supplemental :: Zip			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	container_type	1..1	GZIP, LZIP, TAR, ZIP
	description	1..1	None
<i>No Associations</i>			
<i>Referenced from:</i> 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.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Role:</i> concrete	<i>Status:</i> Active
<i>Class Hierarchy:</i> Tagged_NonDigital_Object :: TNDO_Context_PDS3 :: Data_Set_PDS3			
<i>Attribute(s)</i>	<i>Name</i>	<i>Cardinality</i>	<i>Value</i>
	data_set_id	1..1	None
	data_set_name	1..1	None
	data_set_release_date	1..1	None
	start_time	0..1	None
	start_date_time *Deprecated*	0..1	None
	stop_time	0..1	None
	stop_date_time *Deprecated*	0..1	None
	producer_full_name	1..1	None
	citation_text	1..1	None
	data_set_terse_desc	1..1	None
	abstract_desc	1..1	None
	data_set_desc	1..1	None
	confidence_level_note	1..1	None
	archive_status	1..1	ARCHIVED, ARCHIVED_ACCUMULATING, IN_LIEN_RESOLUTION, IN_LIEN_RESOLUTION_ACCUMULATING, IN_PEER_REVIEW, IN_PEER_REVIEW_ACCUMULATING, IN_QUEUE, IN_QUEUE_ACCUMULATING, LOCALLY_ARCHIVED, LOCALLY_ARCHIVED_ACCUMULATING, PRE_PEER_REVIEW, PRE_PEER_REVIEW_ACCUMU-

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

Instrument_Host_PDS3

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
<i>Referenced from:</i> 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
<i>Referenced from:</i> 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, SAFED, SUPERSEDED
	archive_status_note	1..1	None
	curating_node_id	0..Unbounded	None

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

Volume_Set_PDS3

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
<i>Referenced from:</i> Product_Volume_Set_PDS3			

Chapter 5. 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.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> Data_Set_PDS3	<i>Type:</i> ASCII_Text_Preserved
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Description	<i>Conceptual Domain:</i> Text
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

abstract_desc in Service

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

abstract_flag in DD_Class

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	<i>Type:</i> ASCII_Boolean
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Flag	<i>Conceptual Domain:</i> Boolean
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

abstract_flag in DD_Class_Full

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
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255

Name: aip_lidvid			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: urn(:[\p{Ll}\p{Nd}\-._]+){3,5}::\p{Nd}+\.\p{Nd}+	
Permissible Value(s)	No Values		

alternate_designation in Target_Identification

Name: alternate_designation			Version Id: 1.0.0.0
Description: The alternate_designation attribute provides aliases.			
Namespace Id: pds	Steward: pds	Class Name: Target_Identification	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		

alternate_id in Alias

Name: alternate_id			Version Id: 1.0.0.0
Description: The alternate_id attribute provides an additional identifier supplied by the data provider.			
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: ID	Conceptual Domain: Short_String
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

alternate_telephone_number in PDS_Affiliate

Name: alternate_telephone_number			Version Id: 1.0.0.0
Description: The telephone_number attribute provides a telephone number in international notation in compliance with the E.164 telephone number format recommendation.			
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: Number	Conceptual Domain: Short_String
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.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Alias	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Title	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

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.			
<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> 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> m	<i>Attribute Concept:</i> Number	<i>Conceptual Domain:</i> Real
<i>Status:</i> Deprecated	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

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.			
<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> 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> m	<i>Attribute Concept:</i> Number	<i>Conceptual Domain:</i> Real
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

archive_status in Data_Set_PDS3

Name: archive_status			Version Id: 1.0.0.0
<i>Description:</i> The ARCHIVE_STATUS attribute indicates the stage to which a data set has progressed in the archiving process, from IN_QUEUE through ARCHIVED. It can also take on the values SUPERSEDED or SAFED, which indicate that the data set is not part of the active archive. ACCUMULATING can be appended to some values to indicate that the data set is incomplete and/or that not all components have reached the stage given by the root value; ACCUMULATING			

Name: archive_status			Version Id: 1.0.0.0
would be used, for example, when the archive is being delivered incrementally, as from a mission that lasts many months or years.			
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: Status	Conceptual Domain: Short_String
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	Value	Value Meaning	
	ARCHIVED	Archive status of the PDS3 data set is ARCHIVED (passed peer review with all liens resolved. Available through the Data Set Catalog and at NSSDC).	
	ARCHIVED_ACCUMULATING	Archive status of the PDS3 data set is ARCHIVED_ACCUMULATING (some parts of the data set are ARCHIVED, but other parts are in earlier stages of the archiving process and/or have not yet been delivered to PDS; use with caution).	
	IN_LIEN_RESOLUTION	Archive status of the PDS3 data set is IN_LIEN_RESOLUTION (peer review completed; liens are in the process of being resolved; use with caution).	
	IN_LIEN_RESOLUTION_ACCUMULATING	Archive status of the PDS3 data set is IN_LIEN_RESOLUTION_ACCUMULATING (some parts of the data set are IN LIEN_RESOLUTION, but other parts are in earlier stages of the archiving process and/or have not yet been delivered to PDS; use with caution).	
	IN_PEER_REVIEW	Archive status of the PDS3 data set is IN_PEER_REVIEW (under peer review at the curation node but evaluation is not complete; use with caution).	
	IN_PEER_REVIEW_ACCUMULATING	Archive status of the PDS3 data set is IN_PEER_REVIEW_ACCUMULATING (some parts of the data set are IN PEER REVIEW, but other parts are in earlier stages of the archiving process and/or have not yet been delivered to PDS; use with caution).	
	IN_QUEUE	Archive status of the PDS3 data set is IN_QUEUE (received at the curation node but no action has been taken by the curation node; use with caution).	
	IN_QUEUE_ACCUMULATING	Archive status of the PDS3 data set is IN_QUEUE_ACCUMULATING (some parts of the data set are IN_QUEUE, but other parts have not yet been delivered to PDS; use with caution).	
	LOCALLY_ARCHIVED	Archive status of the PDS3 data set is LOCALLY_ARCHIVED (passed peer review with all liens resolved; considered archived by the cura-	

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

Name: archive_status		Version Id: 1.0.0.0
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>
	ARCHIVED	Archive status of the PDS3 volume is ARCHIVED (passed peer review with all liens resolved. Available through the Data Set Catalog and at NSSDC).
	ARCHIVED_ACCUMULATING	Archive status of the PDS3 volume is ARCHIVED_ACCUMULATING (some parts of the volume are ARCHIVED, but other parts are in earlier stages of the archiving process and/or have not yet been delivered to PDS; use with caution).
	IN_LIEN_RESOLUTION	Archive status of the PDS3 volume is IN_LIEN_RESOLUTION (peer review completed; liens are in the process of being resolved; use with caution).
	IN_LIEN_RESOLUTION_ACCUMULATING	Archive status of the PDS3 volume is IN_LIEN_RESOLUTION_ACCUMULATING (some parts of the volume are IN LIEN RESOLUTION, but other parts are in earlier stages of the archiving process and/or have not yet been delivered to PDS; use with caution).
	IN_PEER_REVIEW	Archive status of the PDS3 volume is IN_PEER_REVIEW (under peer review at the curation node but evaluation is not complete; use with caution).
	IN_PEER_REVIEW_ACCUMULATING	Archive status of the PDS3 volume is IN_PEER_REVIEW_ACCUMULATING (some parts of the volume are IN PEER REVIEW, but other parts are in earlier stages of the archiving process and/or have not yet been delivered to PDS; use with caution).
	IN_QUEUE	Archive status of the PDS3 volume is IN_QUEUE (received at the curation node but no action has been taken by the curation node; use with caution).
	IN_QUEUE_ACCUMULATING	Archive status of the PDS3 volume is IN_QUEUE_ACCUMULATING (some parts of the volume are IN QUEUE, but other parts have not yet been delivered to PDS; use with caution).
	LOCALLY_ARCHIVED	Archive status of the PDS3 volume is LOCALLY_ARCHIVED (passed peer review with all liens resolved; considered archived by the curation node but awaiting completion of the standard archiving process; possible TBD items include the arrival of the archive volume at NSSDC and ingestion of catalog information into the Data Set Catalog).
	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

Name: archive_status		Version Id: 1.0.0.0
		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
Description: 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

Name: attribute_concept			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>	
	Address	The attribute has been classified as being an Address	
	Angle	The attribute has been classified as being an Angle	
	Attribute	The attribute has been classified as being an Attribute	
	Bit	The attribute has been classified as being a Bit	
	Checksum	The attribute has been classified as being a Checksum	
	Collection	The attribute has been classified as being a Collection	
	Constant	The attribute has been classified as being a Constant	
	Cosine	The attribute has been classified as being a Cosine	
	Count	The attribute has been classified as being a Count	
	DOI	The attribute has been classified as being a DOI	
	Delimiter	The attribute has been classified as being a Delimiter	
	Description	The attribute has been classified as being a Description	
	Deviation	The attribute has been classified as being a Deviation	
	Direction	The attribute has been classified as being a Direction	
	Distance	The attribute has been classified as being a Distance	
	Duration	The attribute has been classified as being a Duration	
	Factor	The attribute has been classified as being a Factor	
	Flag	The attribute has been classified as being a Flag	
	Format	The attribute has been classified as being a Format	
	Group	The attribute has been classified as being a Group	
	Home	The attribute has been classified as being a Home	
	ID	The attribute has been classified as being an Identifier	
	Latitude	The attribute has been classified as being a Latitude	

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

Name: attribute_concept		Version Id: 1.0.0.0
	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

attribute_name in DD_Context_Value_List

Name: attribute_name			Version Id: 1.0.0.0
Description: The attribute_name attribute provides the common name by which an attribute is known.			
Namespace Id: pds	Steward: ops	Class Name: DD_Context_Value_List	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		

attribute_relative_xpath in DD_Context_Value_List

Name: attribute_relative_xpath			Version Id: 1.0.0.0
<i>Description:</i> The attribute_relative_xpath attribute provides a location path for an attribute within a tree representation of an XML document. The location path includes the attribute name.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> DD_Con-text_Value_List	<i>Type:</i> ASCII_Short_String_Collapsed

Name: attribute_relative_xpath			Version Id: 1.0.0.0
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		

author_list in Citation_Information

Name: author_list			Version Id: 1.0.0.0
Description: The author_list attribute contains a semi-colon-separated list of names of people to be cited as authors of the associated product. The general format for individual names is: SUR-NAME, GIVEN NAME(s). Initials may be used in lieu of given name(s). If the name contains a suffix ("Jr.", "Sr.", "III", etc.) it should be placed before the comma (.). Do not include the word "and" before the final author. All authors should be listed explicitly - do not elide the list using "et al.".			
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
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: List	Conceptual Domain: Text
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

author_list in Document

Name: author_list			Version Id: 1.0.0.0
Description: The author_list attribute contains a semi-colon-separated list of names of people to be cited as authors of the associated product. The general format for individual names is: SUR-NAME, GIVEN NAME(s). Initials may be used in lieu of given name(s). If the name contains a suffix ("Jr.", "Sr.", "III", etc.) it should be placed before the comma (.). Do not include the word "and" before the final author. All authors should be listed explicitly - do not elide the list using "et al.".			
Namespace Id: pds	Steward: pds	Class Name: Document	Type: UTF8_Text_Preserved
Minimum Value: None	Maximum Value: None	Minimum Characters: 1	Maximum Characters: None
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: List	Conceptual Domain: Text
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

author_list in Software

Name: author_list			Version Id: 1.0.0.0
<i>Description:</i> The author_list attribute contains a semi-colon-separated list of names of people to be cited as authors of the associated product. The general format for individual names is: SUR-			

Name: author_list			Version Id: 1.0.0.0
NAME, GIVEN NAME(s). Initials may be used in lieu of given name(s). If the name contains a suffix ("Jr.", "Sr.", "III", etc.) it should be placed before the comma (.). Do not include the word "and" before the final author. All authors should be listed explicitly - do not elide the list using "et al."			
Namespace Id: pds	Steward: ops	Class Name: Software	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: List	Conceptual Domain: Text
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

axes in Array

Name: axes			Version Id: 1.0.0.0
Description: The axes attribute provides a count of the axes.			
Namespace Id: pds	Steward: pds	Class Name: 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: Count	Conceptual Domain: Integer
Status: Active	Nillable: false	Pattern: [0-9]+	
Permissible Value(s)	No Values		

axes in Array_1D

Name: axes			Version Id: 1.0.0.0
Description: The axes attribute provides a count of the axes.			
Namespace Id: pds	Steward: pds	Class Name: Array_1D	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: None	Conceptual Domain: Integer
Status: Active	Nillable: false	Pattern: [0-9]+	
Permissible Value(s)	Value	Value Meaning	
	1	Array_1D has 1 axis	

axes in Array_2D

Name: axes			Version Id: 1.0.0.0
Description: The axes attribute provides a count of the axes.			
Namespace Id: pds	Steward: pds	Class Name: Array_2D	Type: 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>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
<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>	
	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:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<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

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

band_number in Band_Bin *Deprecated*

Name: band_number			Version Id: 1.0.0.0
Description: The band_number attribute provides a number corresponding to the band in the spectral qube. The band number is equivalent to the instrument band number.			
Namespace Id: pds	Steward: img	Class Name: Band_Bin *Deprecated*	Type: ASCII_NonNegative_Integer
Minimum Value: 1	Maximum Value: 512	Minimum Characters: None	Maximum Characters: None
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: Number	Conceptual Domain: Integer
Status: Active	Nillable: false	Pattern: [0-9] +	
Permissible Value(s)	No Values		

band_width in Band_Bin *Deprecated*

Name: band_width			Version Id: 1.0.0.0
Description: The band_width attributes provides the width, at half height, of the band.			
Namespace Id: pds	Steward: img	Class Name: Band_Bin *Deprecated*	Type: ASCII_Real
Minimum Value: 0	Maximum Value: 1.7976931348623157e308	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: None	
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.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Packed_Data_Fields	<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

Name: bit_fields			Version Id: 1.0.0.0
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.			
Namespace Id: pds	Steward: pds	Class Name: Digital_Object	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		

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.			
Namespace Id: pds	Steward: pds	Class Name: Bundle	Type: ASCII_Short_String_Collapsed
Minimum Value: None	Maximum Value: None	Minimum Characters: 1	Maximum Characters: 255
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: Type	Conceptual Domain: Short_String
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	Value	Value Meaning	
	Archive	The Bundle contains at least one data collection	
	Supplemental	The Bundle does not contain a data collection	

category in Service

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</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.	
	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> 1.7976931348623157e308	<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

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

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.			
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	
	ASCII	Values of ASCII_AnyURI must be ASCII.	

character_constraint in ASCII_BibCode

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_BibCode	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	
	ASCII	Values of ASCII_BibCode 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.			
Namespace Id: pds	Steward: pds	Class Name: ASCII_DOI	Type: ASCII_Short_String_Collapsed
Minimum Value: None	Maximum Value: None	Minimum Characters: 1	Maximum Characters: 255
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: None	Conceptual Domain: Short_String
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	Value	Value Meaning	
	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
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	ASCII	Values of ASCII_Date_Time_DOY_UTC must be ASCII	

character_constraint in ASCII_Date_Time_UTC *Deprecated*

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_UTC *Deprecated*	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	

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_Date_Time_UTC must be ASCII

character_constraint in ASCII_Date_Time_YMD

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_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.			
<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

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_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

Name: character_constraint			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>	
	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

Name: character_constraint			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>	
	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.			
<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>	
	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.			
<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

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> 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_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.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> ASCII_MD5_Checksum	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	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>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

character_constraint in ASCII_Numeric_Base16

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>Type:</i> ASCII_Short_String_Collapsed

Name: character_constraint			Version Id: 1.0.0.0
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_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>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</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_Numeric_Base2 must be ASCII	

character_constraint in ASCII_Numeric_Base8

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_Base8	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	ASCII	Values of ASCII_Numeric_Base8 must be ASCII	

character_constraint in ASCII_Real

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

character_constraint in ASCII_Short_String_Collapsed

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_Short_String_Collapsed	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	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.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> ASCII_Short_String_Preserved	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	ASCII	Values of ASCII_Short_String_Preserved must be ASCII	

character_constraint in ASCII_String

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

character_constraint in ASCII_String_Base_255

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_String_Base_255	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</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_String_Base_255 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.			
<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> 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
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	ASCII	Values of ASCII_VID must be ASCII	

character_constraint in Character_Data_Type

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

character_constraint in UTF8_Short_String_Collapsed

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> UTF8_Short_String_Collapsed	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

character_constraint in UTF8_Short_String_Preserved

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> UTF8_Short_String_Preserved	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

character_constraint in UTF8_Text_Preserved

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> 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> 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_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.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> ASCII_AnyURI	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	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.			
<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>Value</i>	<i>Value Meaning</i>	
	UTF-8	Values of Character_Data_Type have UTF-8 character encoding	

checksum_manifest_checksum in Information_Package_Component

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

checksum_type in Information_Package_Component

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

checksum_type in Information_Package_Component_Deep_Archive

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.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> Information_Package_Component_Deep_Archive	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> None

Name: checksum_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>
	MD5	The value of the checksum is produced by the Message-Digest Algorithm (MD5) output of the MD5 Deep Package (see http://md5deep.sourceforge.net/).
	MD5Deep 4.n - *Deprecated*	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
Description: 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.			
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: Text	Conceptual Domain: Text
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

class_name in DD_Associate_External_Class

Name: class_name			Version Id: 1.0.0.0
Description: 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.			
Namespace Id: pds	Steward: ops	Class Name: DD_Associate_External_Class	Type: ASCII_Short_String_Collapsed
Minimum Value: None	Maximum Value: None	Minimum Characters: 1	Maximum Characters: 255
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: None	Conceptual Domain: Short_String
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

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

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
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</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
Description: 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: Alias	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 Context_Area

Name: comment			Version Id: 1.0.0.0
Description: 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: Context_Area	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 DD_Attribute

<i>Name:</i> comment			<i>Version Id:</i> 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

<i>Name: comment</i>			<i>Version Id: 1.0.0.0</i>
<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 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
<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 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.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Internal_Reference	<i>Type:</i> ASCII_Text_Preserved
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> None

Name: comment			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>		

comment in Local_ID_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.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Local_ID_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>		

comment in Local_ID_Relation

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> Local_ID_Relation	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</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>		

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

comment in Source_Product_Internal

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> Source_Product_Internal	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</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>		

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</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	

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

constant_value in DD_Association

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

container_type in Zip

Name: container_type			Version Id: 1.0.0.0
Description: The container type attribute indicates the method used to package the components.			
Namespace Id: pds	Steward: pds	Class Name: Zip	Type: ASCII_Short_String_Collapsed
Minimum Value: None	Maximum Value: None	Minimum Characters: 1	Maximum Characters: 255
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: Type	Conceptual Domain: Short_String

Name: container_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>
	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 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.p-kware.com/support/zip-app-note/

coordinate_source in Telescope

Name: coordinate_source			Version Id: 1.0.0.0
Description: The coordinate_source attribute provides the reference figure or datum.			
Namespace Id: pds	Steward: pds	Class Name: Telescope	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: None
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

copyright in Document

Name: copyright			Version Id: 1.0.0.0
Description: 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.			
Namespace Id: pds	Steward: pds	Class Name: Document	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		

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>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</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>		

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.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> File	<i>Type:</i> ASCII_Date_Time_YMD
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Time	<i>Conceptual Domain:</i> Time
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

curating_facility in Source_Product_External

Name: curating_facility			Version Id: 1.0.0.0
<i>Description:</i> The curating_facility attribute provides a unique name or identifier for the curating facility maintaining the source product.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Source_Product_External	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</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>		

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.			

Name: curating_node_id			Version Id: 1.0.0.0
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	
	Dust	Particles ranging in size from a few molecules to approximately 0.1 micrometer in diameter.	
	Electric Field	A vector force field controlled primarily by the presence of electrons and/or ions	
	Electrons	Subatomic particles with negative elementary charge.	
	Far Infrared	Electromagnetic radiation in the approximate range: 1 THz - 10 THz (frequency), 30 micrometers - 300 micrometers (wavelength), or 4 meV - 40 meV (photon energy)	
	Gamma Ray	Electromagnetic radiation in the approximate range: greater than 10 EHz (frequency), less than 0.01 nm (wavelength), or more than 100 keV (photon energy)	
	Infrared	Electromagnetic radiation in the approximate range: 300 GHz - 405 THz (frequency), 750 nm - 1 mm (wavelength), or 1.24 meV - 1.7 eV (photon energy)	
	Ions	Atoms or molecules in which the number of electrons and protons is unequal, giving them a net negative or positive electric charge.	
	Magnetic Field	A vector force field produced by moving electric charges (currents) and/or the intrinsic magnetic properties of materials	

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

data_set_desc in Data_Set_PDS3

<i>Name:</i> data_set_desc			<i>Version Id:</i> 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).			
<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

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

data_set_release_date in Data_Set_PDS3

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.			
Namespace Id: pds	Steward: ops	Class Name: Data_Set_PDS3	Type: ASCII_Short_String_Collapsed
Minimum Value: None	Maximum Value: None	Minimum Characters: 1	Maximum Characters: 255
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: Time	Conceptual Domain: Short_String

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

data_set_terse_desc in Data_Set_PDS3

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

data_type in Element_Array

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

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

Name: data_type		Version Id: 1.0.0.0
	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
	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 Signed-BitString
	SignedByte	Values in Field_Binary have data type Signed-Byte
	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 Signed-MSB2

Name: data_type		Version Id: 1.0.0.0
	SignedMSB4	Values in Field_Binary have data type Signed-MSB4
	SignedMSB8	Values in Field_Binary have data type Signed-MSB8
	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").			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Field_Bit	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Type	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	SignedBitString	Values of Field_Bit are stored as signed bit strings	
	UnsignedBitString	Values of Field_Bit are stored as unsigned bit strings	

data_type in Field_Character

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").	

Name: data_type			Version Id: 1.0.0.0
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Field_Character	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Type	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	ASCII_AnyURI	Values in Field_Character have data type ASCII_AnyURI	
	ASCII_BibCode	Values in Field_Character have data type ASCII_BibCode	
	ASCII_Boolean	Values in Field_Character have data type ASCII_Boolean	
	ASCII_DOI	Values in Field_Character have data type ASCII_DOI	
	ASCII_Date_DOY	Values in Field_Character have data type ASCII_Date_DOY	
	ASCII_Date_Time_DOY	Values in Field_Character have data type ASCII_Date_Time_DOY	
	ASCII_Date_Time_DOY_UTC	Values in Field_Character have data type ASCII_Date_Time_DOY_UTC	
	ASCII_Date_Time_YMD	Values in Field_Character have data type ASCII_Date_Time_YMD	
	ASCII_Date_Time_YMD_UTC	Values in Field_Character have data type ASCII_Date_Time_YMD_UTC	
	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	

Name: data_type		Version Id: 1.0.0.0
	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
Description: 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_De- limited	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	The delimited field has data type ASCII_AnyURI	
	ASCII_BibCode	Values in Field_Delimited have data type ASCII_BibCode	
	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	

Name: data_type		Version Id: 1.0.0.0
	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
	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
Description: 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: Quater-nion_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	

Name: data_type		Version Id: 1.0.0.0
	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").			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Vector	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Type	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	ASCII_Real	The value is expressed using the data type ASCII_Real	

date_time in Update_Entry

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

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

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

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 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
<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 Composite_Structure

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> Composite_Structure	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</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 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.			

Name: description			Version Id: 1.0.0.0
<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.			
<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

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_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
<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.			

Name: description			Version Id: 1.0.0.0
<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.			
<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

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 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
<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	

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

description in Observing_System_Component

Name: description		Version Id: 1.0.0.0	
Description: 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: Observing_System_Component	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 Other

Name: description			Version Id: 1.0.0.0
Description: 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: Other	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 PDS_Affiliate

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

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.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Packed_Data_Fields	<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 Parsable_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> Parsable_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 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.			

Name: description			Version Id: 1.0.0.0
<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.			
<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

Name: description			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		

description in Quaternion_Component

Name: description			Version Id: 1.0.0.0
Description: 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: Quaternion_Component	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 Resource

Name: description			Version Id: 1.0.0.0
Description: 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: Resource	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 Service

Name: description			Version Id: 1.0.0.0
Description: 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: Service	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		

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 Source_Product_External

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> Source_Product_External	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</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 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.			

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

description in Target_Identification

Name: description			Version Id: 1.0.0.0
<i>Description:</i> The description attribute provides additional information or clarification, as needed.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Target_Identification	<i>Type:</i> UTF8_Text_Preserved
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Description	<i>Conceptual Domain:</i> Text
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

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.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Telescope	<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> 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 Terminological_Entry_SKOS

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> Terminological_Entry_SKOS	<i>Type:</i> 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: description			Version Id: 1.0.0.0
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		

description in Update *Deprecated*

Name: description			Version Id: 1.0.0.0
Description: 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
Description: 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_Entry	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 Vector

Name: description			Version Id: 1.0.0.0
Description: 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: Vector	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 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
Description: 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: Volume_PDS3	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 Volume_Set_PDS3

Name: description			Version Id: 1.0.0.0
Description: 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: Volume_Set_PDS3	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 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.			

Name: description			Version Id: 1.0.0.0
<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
<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>		

dictionary_type in Ingest_LDD

Name: dictionary_type			Version Id: 1.0.0.0
<i>Description:</i> The dictionary_type attribute provides the name of a dictionary category.			
<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> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	Common	The dictionary defines classes and attributes common to all labels.	
	Discipline	The dictionary defines classes and attributes specific to a discipline, such as geometry or spectra.	
	Mission	The dictionary defines classes and attributes specific to a mission, flight project, or independent investigation.	

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>	<i>Value Meaning</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'	
	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
Description: The document_editions attribute provides a count of the total number of complete, distinct editions of the document.			
Namespace Id: pds	Steward: pds	Class Name: Document	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: None	Conceptual Domain: Integer
Status: Active	Nillable: false	Pattern: [0-9]+	
Permissible Value(s)	No Values		

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
<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).	

<i>Name: document_standard_id</i>		<i>Version Id: 1.0.0.0</i>
	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.
	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.

Name: document_standard_id		Version Id: 1.0.0.0
	UTF-8 Text	The Document_File contains simple text using UTF-8 Unicode character encodings. RFC 3629.

doi in Citation_Information

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> Citation_Information	<i>Type:</i> ASCII_DOI
<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> 10\.\S+/\S+	
<i>Permissible Value(s)</i>	<i>No Values</i>		

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_DOI
<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> DOI	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> 10\.S+\/S+	
<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_DOI
<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> DOI	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> 10\.\S+\/\S+	
<i>Permissible Value(s)</i>	<i>No Values</i>		

doi in Source_Product_External

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> Source_Product_External	<i>Type:</i> ASCII_DOI
<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> 10\.\S+/\S+	
<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.			
<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).	
	Heliosheath	the portion of the solar atmosphere between the termination shock and heliopause, which is dominated by shocked, subsonic solar wind	
	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.	

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

editor_list in Citation_Information

Name: editor_list			Version Id: 1.0.0.0
Description: The editor_list attribute contains a semi-colon-separated list of names of people to be cited as editors of the associated product. The general format for individual names is: SUR-NAME, GIVEN NAME(s). Initials may be used in lieu of given name(s). If the name contains a suffix ("Jr.", "Sr.", "III", etc.) it should be placed before the comma (.). Do not include the word "and" before the final editor. All editors should be listed explicitly - do not elide the list using "et al.".			
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
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: List	Conceptual Domain: Text
Status: Active	Nillable: false	Pattern: 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 contains a semi-colon-separated list of names of people to be cited as editors of the associated product. The general format for individual names is: SUR-NAME, GIVEN NAME(s). Initials may be used in lieu of given name(s). If the name contains a suffix ("Jr.", "Sr.", "III", etc.) it should be placed before the comma (.). Do not include the word "and" before the final editor. All editors should be listed explicitly - do not elide the list using "et al.".			
<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>		

electronic_mail_address in PDS_Affiliate

<i>Name: electronic_mail_address</i>			<i>Version Id: 1.0.0.0</i>
<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_Af-filiate	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Ad-dress	<i>Conceptual Domain:</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
Description: 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.			
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: Address	Conceptual Domain: Short_String
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

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
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

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.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Axis_Array	<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>		

encoding_standard_id in Encoded_Audio

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.			

Name: encoding_standard_id			Version Id: 1.0.0.0
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Encoded_Audio	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</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>	
	M4A/AAC	M4A is a container format and is often paired with the Advanced Audio Coding (AAC) audio codec. AAC is a lossy format and is not suitable for archiving scientific data although it is widely used for streaming audio online.	
	WAV	Waveform Audio File Format (also known as WAVE) is a digital format for audio.	

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.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Encoded_Binary	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> ID	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	CCSDS Space Communications Protocols - *Deprecated*	The digital object is governed by the Consultative Committee for Space Data Systems (CCSDS) recommended standards on telecommand, telemetry and space datalink protocols.	

encoding_standard_id in Encoded_Byte_Stream

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_Byte_Stream	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> ID	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	

Name: encoding_standard_id		Version Id: 1.0.0.0
<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.	
	PNG	The Encoded_Image is governed by the standard Portable Network Graphics (PNG), ISO/IEC 15948:2004.	

Name: encoding_standard_id		Version Id: 1.0.0.0
	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
Description: 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_Native	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	
	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
Description: The encoding_type attribute provides the storage format (binary or character).			
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: None	Conceptual Domain: None
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	Value	Value Meaning	
	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.	

Name: enumeration_flag			Version Id: 1.0.0.0
<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.			
<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>Name: external_namespace_id</i>			<i>Version Id: 1.0.0.0</i>
<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>		

external_source_product_identifier in Source_Product_External

Name: external_source_product_identifier			Version Id: 1.0.0.0
<i>Description:</i> The external_source_product_identifier provides unique identifiers for one or more source products that are not in the PDS4 Registry. For guidelines on the construction of this identifier, refer to section 2.6.1.2 of the Data Provider's Handbook.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Source_Product_External	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</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: external_source_product_identifier		Version Id: 1.0.0.0
Status: Active	Nillable: false	Pattern: None
Permissible Value(s)	No Values	

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.			
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)	Value	Value Meaning	
	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	

Name: facet1		Version Id: 1.0.0.0
	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.
	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

<i>Name: facet2</i>			<i>Version Id: 1.0.0.0</i>
<i>Description:</i> The facet2 attribute provides a sub-categorization (under the discipline_name) of the type of data being described by Primary_Result_Summary. The facet1 and facet2 values are intended to provide independent sub-categorizations. The values are restricted according to the value of discipline_name. Type: ASCII_Short_String_Collapsed			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Group_Facet2	<i>Type:</i> ASCII_Short_String_Collapsed

Name: facet2			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>	
	Background (Fields)	Data characterize the slowly varying background field (typically at less than 100 Hz)	
	Cosmic Ray (Particles)	Data characterize the particle environment at energies greater than about 10 MeV	
	Energetic (Particles)	Data characterize the particle environment at energies in the approximate range 30keV-0.1 MeV	
	Plasma (Particles)	Data characterize the particle environment at energies less than about 30keV	
	Solar Energetic (Particles)	Data characterize the particle environment at energies in the approximate range 0.1-10MeV	
	Waves (Fields)	Data characterize higher frequency field variations and/or oscillations (typically at greater than 100 Hz).	

field_delimiter in Table_Delimited

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>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Delimiter	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	Comma	Fields in the delimited table are delimited by a single ASCII comma character (0x2C)	
	Horizontal Tab	Fields in the delimited table are delimited by a single ASCII horizontal tab character (0x09)	
	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)	

Name: field_delimiter		Version Id: 1.0.0.0
	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. This may specify the output format for a binary value, or give a general indication of the precision of a field, but is not used for validation. 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_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. This may specify the output format for a binary value, or give a general indication of the precision of a field, but is not used for validation. A subset of the standard POSIX string formats is allowed. See the PDS Standards Reference section “Field Formats” for details.			
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: Format	Conceptual Domain: Short_String
Status: Active	Nillable: false	Pattern: %[\+, -]?[0-9]+(\.([0-9]+))?[doxfeEs]	
Permissible Value(s)	No Values		

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. This may specify the output format for a binary value, or give a general indication of the precision of a field, but is not used for validation. 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

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

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. This may specify the output format for a binary value, or give a general indication of the precision of a field, but is not used for validation. 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_De- limited	<i>Type:</i> ASCII_Short String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> For- mat	<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]+	
<i>Permissible Value(s)</i>	<i>No Values</i>		

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'.			
<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> Location	<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_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.			
<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>		

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

Name: file_size			Version Id: 1.0.0.0
Minimum Value: 0	Maximum Value: 18446744073709551615	Minimum Characters: None	Maximum Characters: None
Unit of Measure Type: Units_of_Storage	Default Unit Id: byte	Attribute Concept: Size	Conceptual Domain: Integer
Status: Active	Nillable: false	Pattern: [0-9]+	
Permissible Value(s)	No Values		

files in Document_Edition

Name: files			Version Id: 1.0.0.0
Description: The files attribute provides the number of files in the edition.			
Namespace Id: pds	Steward: pds	Class Name: Document_Edition	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: None	Conceptual Domain: Integer
Status: Active	Nillable: false	Pattern: [0-9]+	
Permissible Value(s)	No Values		

files in Software_Binary

Name: files			Version Id: 1.0.0.0
Description: The files attribute provides the number of files.			
Namespace Id: pds	Steward: ops	Class Name: Software_Binary	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		

files in Software_Script

Name: files			Version Id: 1.0.0.0
Description: The files attribute provides the number of files.			
Namespace Id: pds	Steward: ops	Class Name: Software_Script	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		

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> 1.87976931348623157e30	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Value	<i>Conceptual Domain:</i> Real
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

formation_rule in ASCII_BibCode

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_BibCode	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</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>	
	YYYYJJJJVVVMPPPA	The ADS BibCode is expressed as a series of six character strings, consisting of the year of publication (YYYY), the identifier for the journal (JJJJ), its volume number (VVVV), the type of journal (M), the page number (PPPP), and the last initial of the author (A). The format and its use are specified by the Astrophysics Data System (see http://adsabs.harvard.edu).	

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</i>	<i>Value Meaning</i>	
	10.ssss/sss	The Digital Object Identifier (DOI) is expressed as the decimal number "10." followed by a character string followed by a forward slash "/" followed by another character string. The format and its use are specified by the International DOI Federation (see 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.			
<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: 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>	
	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.			
<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>	
	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.			
<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>	
	YYYY-MM-DDTHH:M-M:SS.SSS(Z)/YYYY-DOYTHH:M-M: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	

Name: formation_rule		Version Id: 1.0.0.0
		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	
Description: The formation_rule attribute provides a 'user friendly' instruction for forming values.			
Namespace Id: pds	Steward: pds	Class Name: ASCII_Date_Time_DOY	Type: ASCII_Short_String_Collapsed
Minimum Value: None	Maximum Value: None	Minimum Characters: 1	Maximum Characters: 255
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: None	Conceptual Domain: Short_String
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	Value	Value Meaning	
	YYYY-DOYTHH:M-M:SS.SSSSSS(Z)	YYYY-DOYTHH:MM:SS.SSSSSS(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:M-M:SS.SSSSSS(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), SSSSSS is microseconds (000000-999999), 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.			
<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>	

Name: formation_rule		Version Id: 1.0.0.0
	YYYY-DOYTHH:M-M:SS.SSSSSSZ	YYYY-DOYTHH:MM:SS.SSSSSSZ - 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.SSSSSSZ 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), SSSSSS is microseconds (000000-999999), and "Z" denotes UTC.

formation_rule in ASCII_Date_Time_UTC *Deprecated*

Name: formation_rule		Version Id: 1.0.0.0	
Description: The formation_rule attribute provides a 'user friendly' instruction for forming values.			
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	
	YYYY-MM-DDTHH:M-M:SS.SSSZ/YYYY-DOYTHH:M-M: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

Name: formation_rule			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>	
	YYYY-MM-DDTHH:MM:SS.SSSSSS(Z)	YYYY-MM-DDTHH:MM:SS.SSSSSS(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.SSSSSS(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), SSSSSS is microseconds (000000-999999), 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.SSSSSSZ	YYYY-MM-DDTHH:MM:SS.SSSSSSZ - 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.SSSSSSZ 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), SSSSSS is microseconds (000000-999999), 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

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-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.			
<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	

Name: formation_rule		Version Id: 1.0.0.0
		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	
Description: The formation_rule attribute provides a 'user friendly' instruction for forming values.			
Namespace Id: pds	Steward: pds	Class Name: ASCII_File_Specification_Name	Type: ASCII_Short_String_Collapsed
Minimum Value: None	Maximum Value: None	Minimum Characters: 1	Maximum Characters: 255
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: None	Conceptual Domain: Short_String
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	Value	Value Meaning	
	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	
Description: The formation_rule attribute provides a 'user friendly' instruction for forming values.			
Namespace Id: pds	Steward: pds	Class Name: ASCII_LID	Type: ASCII_Short_String_Collapsed
Minimum Value: None	Maximum Value: None	Minimum Characters: 1	Maximum Characters: 255
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: None	Conceptual Domain: Short_String
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	Value	Value Meaning	
	urn:xxx:yyy:zzzz	The logical identifier is formed by concatenating "urn", "xxx" (e.g., nasa), and "yyy" (e.g., pds) with an identifier (represented by "zzzz") 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:xxx:yyy:zzzz::M.n	A versioned identifier (LIDVID) is formed by appending a version identifier (VID) of the form M.n to a logical identifier (LID) of the form urn:xxx:yyy:zzzz. 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:xxx:yyy:zzzz/ urn:xxx:yyy:zzzz::M.n	The value must be a logical identifier (LID) of the form urn:xxx:yyy:zzzz or a versioned identifier (LIDVID) of the form urn:xxx:yyy:zzzz::M.n. Rules for forming 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_MD5_Checksum	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> Short_String

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

formation_rule in Character_Data_Type

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> 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
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

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.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> Ingest_LDD	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Name	<i>Conceptual Domain:</i> Short_String

Name: full_name		Version Id: 1.0.0.0
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.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> Sub- subscriber_PDS3	<i>Type:</i> ASCII_Short_ String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Name	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

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

grating_position in Band_Bin *Deprecated*

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.			
<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> Location	<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_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.			
<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> Location	<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_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>Type:</i> 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: high_representation_saturation			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>		

id_reference_from in Local_ID_Relation

Name: id_reference_from			Version Id: 1.0.0.0
<i>Description:</i> The id_reference_from provides the identifier of the starting object in a one directional relationship.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Local_ID_Relation	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</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>		

id_reference_to in Local_ID_Reference

Name: id_reference_to			Version Id: 1.0.0.0
<i>Description:</i> The id_reference_to provides the identifier of the ending object in a one directional relationship.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Local_ID_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>		

id_reference_to in Local_ID_Relation

Name: id_reference_to			Version Id: 1.0.0.0
<i>Description:</i> The id_reference_to provides the identifier of the ending object in a one directional relationship.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Local_ID_Relation	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</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: id_reference_to		Version Id: 1.0.0.0
<i>Permissible Value(s)</i>	<i>No Values</i>	

id_reference_type in Local_ID_Reference

Name: id_reference_type			Version Id: 1.0.0.0
<i>Description:</i> The id_reference_type attribute provides the name of an association between two objects.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Local_ID_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>	
	has_component	The referenced digital object is a component of a composite structure.	
	has_primary_component	The referenced digital object is the primary component of a composite structure.	

id_reference_type in Local_ID_Relation

Name: id_reference_type			Version Id: 1.0.0.0
<i>Description:</i> The id_reference_type attribute provides the name of an association between two objects.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Local_ID_Relation	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</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>	
	has_axis_values	The referenced description object provides values on an axis.	
	has_backplane	The referenced description object describes a backplane.	
	has_column_headers	The referenced description object provides column headers for the referring description object.	
	has_display_settings	The referenced description object describes how the digital object should be displayed on a display device.	
	has_spectral_characteristics	The referenced description object describes the spectral characteristics of the referring description object..	

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

identifier in Property_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>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> None
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

identifier in Terminological_Entry_SKOS

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

identifier_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>Name: identifier_reference</i>			<i>Version Id: 1.0.0.0</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: None</i>	<i>Conceptual Domain: Text</i>
<i>Status: Active</i>	<i>Nillable: false</i>	<i>Pattern: None</i>	
<i>Permissible Value(s)</i>	<i>No Values</i>		

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	
	1.10.0.0	Information Model version 1.10.0.0 was released on March 30, 2018.	
	1.10.1.0	Information Model version 1.10.1.0 was released on May 1, 2018	
	1.11.0.0	Information Model version 1.11.0.0 was released on September 28, 2018.	
	1.12.0.0	Information Model version 1.12.0.0 was released on March 29, 2019.	
	1.13.0.0	Information Model version 1.13.0.0 was released on September 27, 2019	
	1.14.0.0	Information Model version 1.14.0.0 was released on March 27, 2020.	
	1.15.0.0	Information Model version 1.15.0.0 was released on September 25, 2020.	
	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.	

Name: information_model_version		Version Id: 1.0.0.0
	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.
	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.
	1.9.1.0	Information Model version 1.9.1.0 was released on December 12, 2017.

install_note in Software_Script

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

instance_id in Property_Map

Name: instance_id			Version Id: 1.0.0.0
Description: The instance_id attribute provides an identifier for the single occurrence of an object, for example an XPath.			
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		

instance_id in Terminological_Entry

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

instance_id in Terminological_Entry_SKOS

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

institution_name in Node

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

institution_name in PDS_Affiliate

Name: institution_name			Version Id: 1.0.0.0
<i>Description:</i> The institution_name attribute provides the name of the associated institution.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> PDS_Affiliate	<i>Type:</i> ASCII_Short_String_Collapsed

Name: institution_name			Version Id: 1.0.0.0
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
Description: The instrument_desc attribute describes a given instrument.			
Namespace Id: pds	Steward: ops	Class Name: Instru- ment_PDS3	Type: ASCII_Text_Pre- served
Minimum Value: None	Maximum Value: None	Minimum Characters: 1	Maximum Characters: None
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: De- scription	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
Description: The instrument_host_desc provides a description of an instrument host			
Namespace Id: pds	Steward: ops	Class Name: Instru- ment_Host_PDS3	Type: ASCII_Text_Pre- served
Minimum Value: None	Maximum Value: None	Minimum Characters: 1	Maximum Characters: None
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: De- scription	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).			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> Instrument_Host_PDS3	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255

Name: instrument_host_id			Version Id: 1.0.0.0
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
Description: 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: Instru- ment_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
Description: 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: Instru- ment_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: Type	Conceptual Domain: Short_String
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.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Instrument_Host	<i>Type:</i> ASCII_Short_String_Collapsed

Name: instrument_host_version_id *Deprecated*			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> Deprecated	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

instrument_id in Instrument_PDS3

Name: instrument_id			Version Id: 1.0.0.0
Description: The instrument id provides a formal name used to refer to an instrument.			
Namespace Id: pds	Steward: ops	Class Name: Instru- ment_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_name in Instrument_PDS3

Name: instrument_name			Version Id: 1.0.0.0
Description: The instrument_name attribute provides a unique name for an instrument.			
Namespace Id: pds	Steward: ops	Class Name: Instru- ment_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_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

Name: instrument_serial_number			Version Id: 1.0.0.0
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		

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			
Namespace Id: pds	Steward: ops	Class Name: Instrument_PDS3	Type: ASCII_Short_String_Collapsed
Minimum Value: None	Maximum Value: None	Minimum Characters: 1	Maximum Characters: 255
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: Type	Conceptual Domain: Short_String
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

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.			
Namespace Id: pds	Steward: ops	Class Name: Instrument_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		

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.			
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	

Name: interface_type		Version Id: 1.0.0.0
<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
Description: The invalid_constant attribute provides a value that indicates the original value was outside the valid range for the parameter.			
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		

kernel_type in SPICE_Kernel

Name: kernel_type			Version Id: 1.0.0.0
Description: The kernel_type attribute identifies the type of SPICE kernel.			
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: Type	Conceptual Domain: Short_String
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	Value	Value Meaning	
	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)	

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

language in Document_Edition

Name: language			Version Id: 1.0.0.0
Description: 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
Description: 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

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

last_sampling_parameter_value in Uniformly_Sampled

Name: last_sampling_parameter_value			Version Id: 1.0.0.0
Description: 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: 1.7976931348623157e308	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: None	
Permissible Value(s)	No Values		

ldd_version_id in Ingest_LDD

Name: ldd_version_id			Version Id: 1.0.0.0
Description: 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

Name: ldd_version_id			Version Id: 1.0.0.0
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
Description: 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
Description: The lid_reference attribute provides the logical_identifier for a product.			
Namespace Id: pds	Steward: pds	Class Name: Bundle_Member_Entry	Type: ASCII_LID
Minimum Value: None	Maximum Value: None	Minimum Characters: 1	Maximum Characters: 255
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: Reference	Conceptual Domain: Short_String
Status: Active	Nillable: false	Pattern: urn(:[p{Ll}p{Nd} \-._]+){3,5}	
Permissible Value(s)	No Values		

lid_reference in Internal_Reference

Name: lid_reference			Version Id: 1.0.0.0
Description: The lid_reference attribute provides the logical_identifier for a product.			
Namespace Id: pds	Steward: pds	Class Name: Internal_Reference	Type: ASCII_LID
Minimum Value: None	Maximum Value: None	Minimum Characters: 1	Maximum Characters: 255
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: Reference	Conceptual Domain: Short_String
Status: Active	Nillable: false	Pattern: urn(:[p{Ll}p{Nd} \-._]+){3,5}	
Permissible Value(s)	No Values		

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> 1	<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> urn(:[p{Ll}p{Nd}\-. _+]{3,5}::p{Nd}+.\p{Nd}+)	
<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
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<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> urn(:[\p{Ll}\p{Nd}\-. _+]{3,5}::\p{Nd}+\\. \p{Nd}+)	
<i>Permissible Value(s)</i>	<i>No Values</i>		

lidvid_reference in Source_Product_Internal

<i>Name:</i> lidvid_reference			<i>Version Id:</i> 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> Source_Product_Internal	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</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>		

line_display_direction in Display_2D_Image *Deprecated*

Name: line_display_direction			Version Id: 1.0.0.0
<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.			
Namespace Id: pds	Steward: pds	Class Name: Display_2D_Image *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: Direction	Conceptual Domain: Short_String
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	Value	Value Meaning	
	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
<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: Axis_Array	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: None
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

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.			
Namespace Id: pds	Steward: pds	Class Name: Byte_Stream	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

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

local_identifier in Composite_Structure

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: Composite_Structure	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_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.			
Namespace Id: pds	Steward: ops	Class Name: DD_Association	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: Deprecated	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

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.			
Namespace Id: pds	Steward: ops	Class Name: DD_Attribute	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 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 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

Name: local_identifier			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)	No Values		

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.			
Namespace Id: pds	Steward: pds	Class Name: Quaternion	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 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.			
Namespace Id: pds	Steward: ops	Class Name: Subscriber_PDS3	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 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	

Name: local_identifier		Version Id: 1.0.0.0
<i>Permissible Value(s)</i>	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.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Vector	<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_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.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Local_In- ternal_Reference	<i>Type:</i> ASCII_Local_Identifier_Reference
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</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_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.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Time_Co-ordinates	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 8	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Time	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

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

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.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Time_Coordinates	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 8	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Time	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

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>Type:</i> ASCII_LID
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</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> urn(:[p{LI}\p{Nd}\-._+]{3,5}	
<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>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</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>		

low_representation_saturation in Special_Constants

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

manifest_checksum in Information_Package_Component_Deep_Archive

<i>Name: manifest_checksum</i>			<i>Version Id: 1.0.0.0</i>
<i>Description:</i> The manifest checksum provides the checksum for the manifest file.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> Information_Package_Component_Deep_Archive	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255

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

manifest_url in Information_Package_Component_Deep_Archive

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

maximum in Field_Statistics

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).			
<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
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Number	<i>Conceptual Domain:</i> Real
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

maximum in Object_Statistics

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

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

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.			
Namespace Id: pds	Steward: pds	Class Name: ASCII_AnyURI	Type: ASCII_Short_String_Collapsed
Minimum Value: None	Maximum Value: None	Minimum Characters: 1	Maximum Characters: 255
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: Count	Conceptual Domain: Short_String
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

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.			
Namespace Id: pds	Steward: pds	Class Name: ASCII_DOI	Type: ASCII_Short_String_Collapsed
Minimum Value: None	Maximum Value: None	Minimum Characters: 1	Maximum Characters: 255
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: Count	Conceptual Domain: Short_String
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

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.			
Namespace Id: pds	Steward: pds	Class Name: ASCII_Date *Deprecated*	Type: ASCII_Short_String_Collapsed
Minimum Value: None	Maximum Value: None	Minimum Characters: 1	Maximum Characters: 255
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: Count	Conceptual Domain: Short_String
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

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
<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 *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
<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_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_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>		

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 *Deprecated*	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Count	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

maximum_characters in ASCII_Date_Time_YMD

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
<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
Description: The maximum_characters attribute provides the upper, inclusive bound on the number of characters.			
Namespace Id: pds	Steward: pds	Class Name: ASCII_Date_YMD	Type: ASCII_Short_String_Collapsed
Minimum Value: None	Maximum Value: None	Minimum Characters: 1	Maximum Characters: 255
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: Count	Conceptual Domain: Short_String
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

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
<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

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

Name: maximum_characters		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>
	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.		

Name: maximum_characters			Version Id: 1.0.0.0
<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
<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>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Count	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	255	Values of ASCII_Numeric_Base2 may have no more than 255 characters	

maximum_characters in ASCII_Numeric_Base8

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>Type:</i> 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_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>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</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_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> ASCII_Short_String_Collapsed	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Count	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	255	Values of ASCII_Short_String_Collapsed may have no more than 255 characters	

maximum_characters in ASCII_Short_String_Preserved

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.			

Name: maximum_characters			Version Id: 1.0.0.0
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> ASCII_Short_String_Preserved	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Count	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	255	Values of ASCII_Short_String_Preserved may have no more than 255 characters	

maximum_characters in ASCII_String_Base_255

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_String_Base_255	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</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>	
	255	Values of ASCII_String_Base_255 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.			
<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>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
<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_Val-ue_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_Val-ue_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>		

maximum_characters in UTF8_Short_String_Collapsed

Name: maximum_characters			Version Id: 1.0.0.0
Description: The maximum_characters attribute provides the upper, inclusive bound on the number of characters.			
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: Count	Conceptual Domain: Short_String
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	Value	Value Meaning	
	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
Description: The maximum_characters attribute provides the upper, inclusive bound on the number of characters.			
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: Count	Conceptual Domain: Short_String
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	Value	Value Meaning	
	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
Description: The maximum_characters attribute provides the upper, inclusive bound on the number of characters.			
Namespace Id: pds	Steward: pds	Class Name: UTF8_Text_Preserved	Type: ASCII_Short_String_Collapsed
Minimum Value: None	Maximum Value: None	Minimum Characters: 1	Maximum Characters: 255

Name: maximum_characters			Version Id: 1.0.0.0
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		

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.			
Namespace Id: pds	Steward: pds	Class Name: Field_Delimited	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		

maximum_occurrences in DD_Associate_External_Class

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.			
Namespace Id: pds	Steward: ops	Class Name: DD_Associate_External_Class	Type: ASCII_Short_String_Collapsed
Minimum Value: None	Maximum Value: None	Minimum Characters: 1	Maximum Characters: 255
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: None	Conceptual Domain: Short_String
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

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.			
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

Name: maximum_occurrences			Version Id: 1.0.0.0
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		

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.			
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		

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.			
Namespace Id: pds	Steward: pds	Class Name: Record_Delimited	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		

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).			
Namespace Id: pds	Steward: pds	Class Name: Object_Statistics	Type: ASCII_Real

Name: maximum_scaled_value			Version Id: 1.0.0.0
Minimum Value: -1.7976931348623157e308	Maximum Value: 1.7976931348623157e308	Minimum Characters: None	Maximum Characters: None
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: Number	Conceptual Domain: Real
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

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

maximum_value in ASCII_Date_Time_DOY

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

maximum_value in ASCII_Integer

Name: maximum_value			Version Id: 1.0.0.0
Description: The maximum_value attribute provides the upper, inclusive bound on the value.			
Namespace Id: pds	Steward: pds	Class Name: ASCII_Integer	Type: ASCII_Short_String_Collapsed
Minimum Value: None	Maximum Value: None	Minimum Characters: 1	Maximum Characters: 255
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: Value	Conceptual Domain: Short_String
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	Value	Value Meaning	
	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
Description: The maximum_value attribute provides the upper, inclusive bound on the value.			
Namespace Id: pds	Steward: pds	Class Name: ASCII_LID	Type: ASCII_Short_String_Collapsed
Minimum Value: None	Maximum Value: None	Minimum Characters: 1	Maximum Characters: 255
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: Value	Conceptual Domain: Short_String
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

maximum_value in ASCII_NonNegative_Integer

Name: maximum_value			Version Id: 1.0.0.0
Description: The maximum_value attribute provides the upper, inclusive bound on the value.			
Namespace Id: pds	Steward: pds	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: Value	Conceptual Domain: Short_String
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	Value	Value Meaning	
	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
Description: The maximum_value attribute provides the upper, inclusive bound on the value.			
Namespace Id: pds	Steward: pds	Class Name: ASCII_Numeric_Base16	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_Numeric_Base2

Name: maximum_value			Version Id: 1.0.0.0
Description: The maximum_value attribute provides the upper, inclusive bound on the value.			
Namespace Id: pds	Steward: pds	Class Name: ASCII_Numeric_Base2	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_Real

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

Name: maximum_value			Version Id: 1.0.0.0
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: Value	Conceptual Domain: Short_String
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	Value	Value Meaning	
	1.7976931348623157e308	The 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.			
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: Value	Conceptual Domain: Short_String
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

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.			
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: Value	Conceptual Domain: Short_String
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

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.			

Name: maximum_value			Version Id: 1.0.0.0
Namespace Id: pds	Steward: pds	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: Value	Conceptual Domain: Short_String
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

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.			
Namespace Id: pds	Steward: pds	Class Name: ASCII_Time	Type: ASCII_Short_String_Collapsed
Minimum Value: None	Maximum Value: None	Minimum Characters: 1	Maximum Characters: 255
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: Value	Conceptual Domain: Short_String
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

maximum_value in ASCII_VID

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_VID	Type: ASCII_Short_String_Collapsed
Minimum Value: None	Maximum Value: None	Minimum Characters: 1	Maximum Characters: 255
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: Value	Conceptual Domain: Short_String
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

maximum_value in Character_Data_Type

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: Character_Data_Type	Type: ASCII_Short_String_Collapsed
Minimum Value: None	Maximum Value: None	Minimum Characters: 1	Maximum Characters: 255
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: Value	Conceptual Domain: Short_String

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

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.			
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		

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.			
Namespace Id: pds	Steward: ops	Class Name: DD_Value_Domain_Full	Type: ASCII_Short_String_Collapsed
Minimum Value: None	Maximum Value: None	Minimum Characters: 1	Maximum Characters: 255
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: Value	Conceptual Domain: Short_String
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

maximum_value in UTF8_Short_String_Collapsed

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: UTF8_Short_String_Collapsed	Type: ASCII_Short_String_Collapsed
Minimum Value: None	Maximum Value: None	Minimum Characters: 1	Maximum Characters: 255
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: Value	Conceptual Domain: Short_String
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

maximum_value in UTF8_Short_String_Preserved

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_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.			

Name: md5_checksum			Version Id: 1.0.0.0
Namespace Id: pds	Steward: pds	Class Name: File	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: ([a-f0-9]{32})	
Permissible Value(s)	No Values		

md5_checksum in Object_Statistics *Deprecated*

Name: md5_checksum *Deprecated*			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.			
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: -1.7976931348623157e308	Maximum Value: 1.7976931348623157e308	Minimum Characters: None	Maximum Characters: None
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: Number	Conceptual Domain: Real
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

mean in Object_Statistics

Name: mean			Version Id: 1.0.0.0
<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).			

Name: mean			Version Id: 1.0.0.0
Namespace Id: pds	Steward: pds	Class Name: Object_Statistics	Type: ASCII_Real
Minimum Value: -1.7976931348623157e30	Maximum Value: 1.7976931348623157e30	Minimum Characters: None	Maximum Characters: None
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: Number	Conceptual Domain: Real
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

median in Field_Statistics

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).			
Namespace Id: pds	Steward: pds	Class Name: Field_Statistics	Type: ASCII_Real
Minimum Value: -1.7976931348623157e30	Maximum Value: 1.7976931348623157e30	Minimum Characters: None	Maximum Characters: None
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: Number	Conceptual Domain: Real
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

median in Object_Statistics

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).			
Namespace Id: pds	Steward: pds	Class Name: Object_Statistics	Type: ASCII_Real
Minimum Value: -1.7976931348623157e30	Maximum Value: 1.7976931348623157e30	Minimum Characters: None	Maximum Characters: None
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: Number	Conceptual Domain: Real
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

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.			
Namespace Id: pds	Steward: ops	Class Name: NSSDC	Type: ASCII_Short_String_Collapsed

Name: medium_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>No Values</i>		

medium_type in Volume_PDS3

Name: medium_type			Version Id: 1.0.0.0
Description: The medium_type attribute identifies the physical storage medium for a data volume. Examples: CD-ROM, CARTRIDGE TAPE.			
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: Type	Conceptual Domain: Short_String
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

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

Name: minimum			Version Id: 1.0.0.0
Minimum Value: -1.7976931348623157e308	Maximum Value: 1.7976931348623157e308	Minimum Characters: None	Maximum Characters: None
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: Number	Conceptual Domain: Real
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

minimum in Object_Statistics

Name: minimum			Version Id: 1.0.0.0
Description: The minimum attribute provides the algebraically smallest value which appears in the stored array after application of any bit mask (Special_Constants values are excluded).			
Namespace Id: pds	Steward: pds	Class Name: Object_Statistics	Type: ASCII_Real
Minimum Value: -1.7976931348623157e308	Maximum Value: 1.7976931348623157e308	Minimum Characters: None	Maximum Characters: None
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: Number	Conceptual Domain: Real
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

minimum_characters in ASCII_AnyURI

Name: minimum_characters			Version Id: 1.0.0.0
Description: The minimum_characters attribute provides the lower, inclusive bound on the number of characters.			
Namespace Id: pds	Steward: pds	Class Name: ASCII_AnyURI	Type: ASCII_Short_String_Collapsed
Minimum Value: None	Maximum Value: None	Minimum Characters: 1	Maximum Characters: 255
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: Count	Conceptual Domain: Short_String
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

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	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

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.			
Namespace Id: pds	Steward: pds	Class Name: ASCII_Date *Deprecated*	Type: ASCII_Short_String_Collapsed
Minimum Value: None	Maximum Value: None	Minimum Characters: 1	Maximum Characters: 255
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: Count	Conceptual Domain: Short_String
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

minimum_characters in ASCII_Date_DOY

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_Date_DOY	Type: ASCII_Short_String_Collapsed
Minimum Value: None	Maximum Value: None	Minimum Characters: 1	Maximum Characters: 255
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: Count	Conceptual Domain: Short_String
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

minimum_characters in ASCII_Date_Time *Deprecated*

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_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: Count	Conceptual Domain: 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_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.			
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: Count	Conceptual Domain: Short_String
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

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.			
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: Count	Conceptual Domain: Short_String
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

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.			
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

Name: minimum_characters			Version Id: 1.0.0.0
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: Count	Conceptual Domain: Short_String
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

minimum_characters in ASCII_Date_YMD

Name: minimum_characters			Version Id: 1.0.0.0
Description: The minimum_characters attribute provides the lower, inclusive bound on the number of characters.			
Namespace Id: pds	Steward: pds	Class Name: ASCII_Date_YMD	Type: ASCII_Short_String_Collapsed
Minimum Value: None	Maximum Value: None	Minimum Characters: 1	Maximum Characters: 255
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: Count	Conceptual Domain: Short_String
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

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>	
	1	Values of ASCII_LID must have at least 1 character	

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>	
	1	Values of ASCII_LIDVID must have at least 1 character	

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>	
	1	Values of ASCII_LIDVID_LID must have at least 1 character	

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</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</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.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> ASCII_Short_String_Collapsed	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Count	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	1	Values of ASCII_Short_String_Collapsed must have at least 1 character	

minimum_characters in ASCII_Short_String_Preserved

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_Short_String_Preserved	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Count	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	1	Values of ASCII_Short_String_Preserved must have at least 1 character	

minimum_characters in ASCII_String

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	Type: 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>	
	1	Values of ASCII_String must have at least 1 character	

minimum_characters in ASCII_String_Base_255

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_String_Base_255	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</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>	
	1	Values of ASCII_String_Base_255 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

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

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

<i>Name:</i> minimum_characters			<i>Version Id:</i> 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_Val-ue_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	

Name: minimum_characters		Version Id: 1.0.0.0
<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_Collapsed

<i>Name: minimum_characters</i>			<i>Version Id: 1.0.0.0</i>
<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_Collapsed	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	1	Values of UTF8_Text_Collapsed must have at least 1 character	

minimum_characters in UTF8_Text_Preserved

<i>Name: minimum_characters</i>			<i>Version Id: 1.0.0.0</i>
<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
<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_Text_Preserved must have at least 1 character	

minimum_occurrences in DD_Associate_External_Class

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.	

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

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.			
<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>		

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

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).	

Name: minimum_scaled_value			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> -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> None	
<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

Name: minimum_value			Version Id: 1.0.0.0
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 ASCII_Date_Time_YMD

Name: minimum_value			Version Id: 1.0.0.0
Description: The minimum_value attribute provides the lower inclusive bound on the value.			
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: Value	Conceptual Domain: Short_String
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

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

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

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.			
Namespace Id: pds	Steward: pds	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: Value	Conceptual Domain: None
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	Value	Value Meaning	
	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.			
Namespace Id: pds	Steward: pds	Class Name: ASCII_Numeric_Base16	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 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.			
Namespace Id: pds	Steward: pds	Class Name: ASCII_Numeric_Base2	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 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.			
<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 $-(1 + (1 - 2^{*-52}) \cdot 2^{*1023})$	

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

minimum_value in DD_Value_Domain

Name: minimum_value			Version Id: 1.0.0.0
Description: 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.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> DD_Val- ue_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> Val- ue	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

minimum_value in UTF8_Short_String_Collapsed

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_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

Name: minimum_value			Version Id: 1.0.0.0
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.			
Namespace Id: pds	Steward: pds	Class Name: UTF8_Short_String_Preserved	Type: ASCII_Short_String_Collapsed
Minimum Value: None	Maximum Value: None	Minimum Characters: 1	Maximum Characters: 255
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: Value	Conceptual Domain: Short_String
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

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.			
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: Value	Conceptual Domain: Short_String
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

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.			
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		

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> Instru- ment	<i>Type:</i> ASCII_Short_ String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</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
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> Property_Map	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> None
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

model_object_id in Terminological_Entry_SKOS

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

model_object_type in Property_Map

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

model_object_type in Terminological_Entry_SKOS

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.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> Terminological_Entry_SKOS	<i>Type:</i> ASCII_Short_String_Collapsed

Name: model_object_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> 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>	
	Attribute	The term is an alternate name for an attribute in the model.	
	Class	The term is an alternate name for a class in the model.	
	Keyword	The term is an alternate name for something in the model.	
	Nuance	The nuance adds meaning to something in the model.	
	Value	The term is an alternate for a value in the model.	

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			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Modification_Detail	<i>Type:</i> ASCII_Date_YMD
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Time	<i>Conceptual Domain:</i> Time
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

naif_host_id in Instrument_Host

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.			
<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> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

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.			
<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>		

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.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Agency	<i>Type:</i> UTF8_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Name	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	European Space Agency	The Agency has name European Space Agency	
	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 *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> pds	<i>Class Name:</i> Airborne *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: name			Version Id: 1.0.0.0
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 Byte_Stream

Name: name			Version Id: 1.0.0.0
Description: The name attribute provides a word or combination of words by which the object is known.			
Namespace Id: pds	Steward: pds	Class Name: Byte_Stream	Type: UTF8_Short_String_Collapsed
Minimum Value: None	Maximum Value: None	Minimum Characters: 1	Maximum Characters: 255
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: Name	Conceptual Domain: Short_String
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

name in DD_Association_External *Deprecated*

Name: name			Version Id: 1.0.0.0
Description: The name attribute provides a word or combination of words by which the object is known.			
Namespace Id: pds	Steward: ops	Class Name: DD_Association_External *Deprecated*	Type: UTF8_Short_String_Collapsed
Minimum Value: None	Maximum Value: None	Minimum Characters: 1	Maximum Characters: 255
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: Name	Conceptual Domain: Short_String
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

name in DD_Attribute

Name: name			Version Id: 1.0.0.0
Description: The name attribute provides a word or combination of words by which the object is known.			
Namespace Id: pds	Steward: ops	Class Name: DD_Attribute	Type: UTF8_Short_String_Collapsed
Minimum Value: None	Maximum Value: None	Minimum Characters: 1	Maximum Characters: 255
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: Name	Conceptual Domain: Short_String

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

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.			
Namespace Id: pds	Steward: ops	Class Name: DD_Attribute_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_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.			
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		

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.			
Namespace Id: pds	Steward: ops	Class Name: DD_Class	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_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_Class_Full	<i>Type:</i> UTF8_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Name	<i>Conceptual Domain:</i> Short_String
<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_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_Class_Reference	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> None
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

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.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> External_Reference_Extended	<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 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.			

Name: name			Version Id: 1.0.0.0
<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
Description: The name attribute provides a word or combination of words by which the object is known.			
Namespace Id: pds	Steward: pds	Class Name: Field	Type: UTF8_Short_String_Collapsed
Minimum Value: None	Maximum Value: None	Minimum Characters: 1	Maximum Characters: 255
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: Name	Conceptual Domain: Short_String
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

name in Field_Binary

Name: name			Version Id: 1.0.0.0
Description: The name attribute provides a word or combination of words by which the object is known.			
Namespace Id: pds	Steward: pds	Class Name: Field_Binary	Type: UTF8_Short_String_Collapsed
Minimum Value: None	Maximum Value: None	Minimum Characters: 1	Maximum Characters: 255
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: Name	Conceptual Domain: Short_String
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

name in Field_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.			
<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

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

name in Field_Character

Name: name			Version Id: 1.0.0.0
Description: The name attribute provides a word or combination of words by which the object is known.			
Namespace Id: pds	Steward: pds	Class Name: Field_Character	Type: UTF8_Short_String_Collapsed
Minimum Value: None	Maximum Value: None	Minimum Characters: 1	Maximum Characters: 255
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: Name	Conceptual Domain: Short_String
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

name in Field_Delimited

Name: name			Version Id: 1.0.0.0
Description: The name attribute provides a word or combination of words by which the object is known.			
Namespace Id: pds	Steward: pds	Class Name: Field_Delimited	Type: UTF8_Short_String_Collapsed
Minimum Value: None	Maximum Value: None	Minimum Characters: 1	Maximum Characters: 255
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: Name	Conceptual Domain: Short_String
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

name in Group

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

name in Ingest_LDD

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.			

Name: name			Version Id: 1.0.0.0
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Investigation	<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_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.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Investigation_Area	<i>Type:</i> UTF8_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Name	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		
<i>Extended Value(s) for:</i> pds:Product_Observational/pds:Observation_Area/pds:Investigation_Area	<i>Value</i>	<i>Value Meaning</i>	
	\$name	The value for name is to be provided by software during template processing.	

name in Node

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.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> Node	<i>Type:</i> UTF8_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Name	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	Cartography and Imaging Sciences Discipline	The Node has name Cartography and Imaging Sciences Discipline	
	Engineering	The Node has name Engineering	

Name: name		Version Id: 1.0.0.0
	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
Description: The name attribute provides a word or combination of words by which the object is known.			
Namespace Id: pds	Steward: pds	Class Name: Observing_System	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:Observing_System	Value	Value Meaning	
	\$name	The value for name is to be provided by software during template processing.	

name in Observing_System_Component

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

Name: name			Version Id: 1.0.0.0
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:Observing_System/pds:Observing_System_Component	Value	Value Meaning	
	\$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_Af-filiate	<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
<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	
<i>Permissible Value(s)</i>	<i>No Values</i>		

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.			

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

name in Software

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> Software	<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 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.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Target	<i>Type:</i> UTF8_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Name	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

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

Name: name			Version Id: 1.0.0.0
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:Target_Identification	Value	Value Meaning	
	\$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
Description: The name attribute provides a word or combination of words by which the object is known.			
Namespace Id: pds	Steward: pds	Class Name: Terminological_Entry	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 Vector

Name: name			Version Id: 1.0.0.0
Description: The name attribute provides a word or combination of words by which the object is known.			
Namespace Id: pds	Steward: pds	Class Name: Vector	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 Vector_Component

Name: name			Version Id: 1.0.0.0
Description: 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

Name: name			Version Id: 1.0.0.0
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_Associate_External_Class

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_Associate_External_Class	Type: ASCII_Short_String_Collapsed
Minimum Value: None	Maximum Value: None	Minimum Characters: 1	Maximum Characters: 255
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: None	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_*	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

Name: namespace_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>No Values</i>		

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

namespace_id in DD_Class_Full

Name: namespace_id			Version Id: 1.0.0.0
Description: 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.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> DD_Class_Reference	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> None

Name: namespace_id			Version Id: 1.0.0.0
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.			
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		

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.			
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		

namespace_id in Terminological_Entry_SKOS

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: Terminological_Entry_SKOS	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		

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> Symbol- ic_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.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> DD_Attribute	<i>Type:</i> ASCII_Boolean
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Flag	<i>Conceptual Domain:</i> Boolean
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

nillable_flag in DD_Attribute_Full

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.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> DD_Attribute_Full	<i>Type:</i> ASCII_Boolean
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Flag	<i>Conceptual Domain:</i> Boolean

Name: nillable_flag			Version Id: 1.0.0.0
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.			
Namespace Id: pds	Steward: ops	Class Name: NSSDC	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		

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.			
Namespace Id: pds	Steward: pds	Class Name: Encoded_Byte_Stream	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		

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
<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

Name: offset			Version Id: 1.0.0.0
Minimum Value: 0	Maximum Value: 18446744073709551615	Minimum Characters: None	Maximum Characters: None
Unit of Measure Type: Units_of_Storage	Default Unit Id: byte	Attribute Concept: Off-set	Conceptual Domain: Integer
Status: Active	Nillable: false	Pattern: [0-9]+	
Permissible Value(s)	No Values		

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
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> [0-9]+	
<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:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Table_Base	<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>		

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.			
Namespace Id: pds	Steward: ops	Class Name: Target_PDS3	Type: ASCII_Short_String_Collapsed
Minimum Value: None	Maximum Value: None	Minimum Characters: 1	Maximum Characters: 255

Name: orbit_direction			Version Id: 1.0.0.0
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: Direction	Conceptual Domain: Short_String
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

original_band in Band_Bin *Deprecated*

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.			
Namespace Id: pds	Steward: img	Class Name: Band_Bin *Deprecated*	Type: ASCII_NonNegative_Integer
Minimum Value: 1	Maximum Value: 512	Minimum Characters: None	Maximum Characters: None
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: None	Conceptual Domain: Integer
Status: Active	Nillable: false	Pattern: [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.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> Checksum_Manifest	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> ID	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	MD5Deep 4.n	The checksum manifest is governed by the Message-Digest Algorithm (MD5) output of the MD5 Deep Package Version 4.n (see 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 ISTEP/IACG	The Header is governed by Version 3.4 of the CDF format specification, the ISTEP/IACG guidelines and PDS constraints.	
	FITS 3.0	The Header is governed by the standard Flexible Image Transport System (FITS), Version 3.0.	
	FITS 4.0	The Header is governed by the standard Flexible Image Transport System (FITS), Version 4.0.	
	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.	

<i>Name:</i> parsing_standard_id		<i>Version Id:</i> 1.0.0.0
	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.
	TIFF 6.0	The Header is governed by the Tagged Image File Format (TIFF) version 6.0 standard.
	UTF-8 Text	The Header contains simple text using UTF-8 Unicode character encodings. RFC 3629.
	VICAR1	The Header is governed by the standard Video Image Communication And Retrieval (VICAR).
	VICAR2	The Header is governed by the standard Video Image Communication And Retrieval (VICAR).

parsing_standard_id in Parsable_Byte_Stream

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

parsing_standard_id in SPICE_Kernel

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

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>	
	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.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> Service_Description	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</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>	
	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.	
	PDS3	PDS3 - The text object is governed by the Planetary Data System (PDS) Data Standards Version 3.n.	

Name: parsing_standard_id		Version Id: 1.0.0.0
	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_BibCode

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_ BibCode	<i>Type:</i> 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> 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]{4}[A-Za-z0-9&\.]{5}[A-Za-z0-9\.]{9}[A-Z\.]		

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
<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]))		

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])	

pattern in ASCII_Date_DOY

Name: pattern		Version Id: 1.0.0.0	
Description: The pattern attribute provides a symbolic 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: Pat- tern	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])))))(Z?)		

pattern in ASCII_Date_Time *Deprecated*

Name: pattern		Version Id: 1.0.0.0	
Description: The pattern attribute provides a symbolic instruction for forming values.			
Namespace Id: pds	Steward: pds	Class Name: ASCII_Date_Time *Deprecat-ed*	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: Pat-tern	Conceptual Domain: Short_String
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	Value	Value Meaning	
	(-)?[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)?		

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])))(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((\.[0-9]{1,4}))?)?(Z)?	
	(-)?[0-9]{4}-((0[1-9]) (1[0-2]))	
	(-)?[0-9]{4}-((0[1-9]) (1[0-2]))-((0[1-9]) ([1-2][0-9]) (3[0-1]))	
	(-)?[0-9]{4}-((0[1-9]) (1[0-2]))-((0[1-9]) ([1-2][0-9]) (3[0-1]))(T)(([0-1][0-9]) (2[0-3])):[0-5][0-9](Z)?	
	(-)?[0-9]{4}-((0[1-9]) (1[0-2]))-((0[1-9]) ([1-2][0-9]) (3[0-1]))(T)(([0-1][0-9]) (2[0-3])):[0-5][0-9]:((([0-5][0-9]) 60)(\.[0-9]{1,4}))?(Z)?	
	(-)?[0-9]{4}-((0[1-9]) (1[0-2]))-((0[1-9]) ([1-2][0-9]) (3[0-1]))(T)(([0-1][0-9]) (2[0-4]))(Z)?	
	(-)?[0-9]{4}-((0[1-9]) (1[0-2]))-((0[1-9]) ([1-2][0-9]) (3[0-1]))(T)24:00((:00((\.[0-9]{1,4}))?)?(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.		

Name: pattern			Version Id: 1.0.0.0
<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> Pattern	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	(-)?[0-9]{4}(Z?)	See the respective formation rule for the value meaning.	
	(-)?[0-9]{4}-(00[1-9]) (0[1-9][0-9]) ([1-2][0-9][0-9]) (3([0-5][0-9]) (6[0-6])))(T)(([0-1][0-9]) (2[0-3])):[0-5][0-9](Z?)		
	(-)?[0-9]{4}-(00[1-9]) (0[1-9][0-9]) ([1-2][0-9][0-9]) (3([0-5][0-9]) (6[0-6])))(T)(([0-1][0-9]) (2[0-3])):[0-5][0-9]:([0-5][0-9]) (60)(\.[0-9]{1,6}))?(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]{1,6}))?(Z?)		
	(-)?[0-9]{4}-(00[1-9]) (0[1-9][0-9]) ([1-2][0-9][0-9]) (3([0-5][0-9]) (6[0-6])))(Z?)		

pattern in ASCII_Date_Time_DOY.UTC

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_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>	
	(-)?[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]{1,6}))?(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]{1,6}))?(Z)		
	(-)?[0-9]{4}-((00[1-9]) (0[1-9][0-9]) ([1-2][0-9][0-9]) (3([0-5][0-9]) (6[0-6])))(Z)		

pattern in ASCII_Date_Time_UTC *Deprecated*

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_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> Pattern	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	(-)?[0-9]{4}(Z)		
	(-)?[0-9]{4}-((00[1-9]) (0[1-9][0-9]) ([1-2][0-9][0-9]) (3([0-5][0-9]) (6[0-6])))(T)(([0-1][0-9]) (2[0-3])):[0-5][0-9](Z)		
	(-)?[0-9]{4}-((00[1-9]) (0[1-9][0-9]) ([1-2][0-9][0-9]) (3([0-5][0-9]) (6[0-6])))(T)(([0-1][0-9]) (2[0-3])):[0-5][0-9]:((([0-5][0-9]) 60)\.([0-9]{1,4}))?(Z)		
	(-)?[0-9]{4}-((00[1-9]) (0[1-9][0-9]) ([1-2][0-9][0-9]) (3([0-5][0-9]) (6[0-6])))(T)(([0-1][0-9]) (2[0-4]))(Z)		
	(-)?[0-9]{4}-((00[1-9]) (0[1-9][0-9]) ([1-2][0-9][0-9]) (3([0-5][0-9]) (6[0-6])))(T)24:00((:00((\.0+)?))?(Z)		
	(-)?[0-9]{4}-((00[1-9]) (0[1-9][0-9]) ([1-2][0-9][0-9]) (3([0-5][0-9]) (6[0-6])))(Z)		
	(-)?[0-9]{4}-((0[1-9]) (1[0-2]))((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]:		

Name: pattern		Version Id: 1.0.0.0
	(([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	
Description: The pattern attribute provides a symbolic instruction for forming values.			
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: 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}-((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]{1,6}))?(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) (:00:00))? (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]{1,6}))(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	
Description: 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)		
	(-)?[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]{1,6}))?(Z)		
	(-)?[0-9]{4}-((0[1-9]) (1[0-2]))-((0[1-9])		

Name: pattern		Version Id: 1.0.0.0
	$([1-2][0-9])(3[0-1])$ $(T)24((:00)(:00:00))?$ (Z)	
	$(-)?[0-9]\{4\}-(0[1-9] $ $(1[0-2]))-(0[1-9] $ $([1-2][0-9])(3[0-1])$ $(T)24:00:00(\.[0]$ $\{1,6\}))(Z)$	
	$(-)?[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	
Description: The pattern attribute provides a symbolic instruction for forming values.			
Namespace Id: pds	Steward: pds	Class Name: ASCII_ Date_YMD	Type: ASCII_Short_ String_Collapsed
Minimum Value: None	Maximum Value: None	Minimum Characters: 1	Maximum Characters: 255
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: Pat- tern	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}-((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>Value</i>	<i>Value Meaning</i>	
	urn(:[p{Ll}p{Nd}\-._]+){3,5}		

pattern in ASCII_LIDVID

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_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(:[p{Ll}p{Nd}\-_.]+){3,5}::p{Nd}+.\p{Nd}+		

pattern in ASCII_LIDVID_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_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(:[p{Ll}p{Nd}\-_.]+){3,5}(:p{Nd}+.\p{Nd}+)?		

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</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</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.			
<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.			
<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]*)?)?\\.[0-9]+)([Ee](\\+ -)?[0-9]+)?		
	[^aFIN,]*		

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.	

Name: pattern		Version Id: 1.0.0.0
	(([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>	
	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
Description: 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.			
<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

Name: pattern			Version Id: 1.0.0.0
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
Description: 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
Description: 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
Description: 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.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> Terminological_Entry	<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>		

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.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> Target_PDS3	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Name	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

processing_level in Primary_Result_Summary

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</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 cal-	

Name: processing_level		Version Id: 1.0.0.0
		ibration 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 re-	

Name: processing_level_id *Deprecated*		Version Id: 1.0.0.0
		versed 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
Description: 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.			
Namespace Id: pds	Steward: ops	Class Name: Data_Set_PDS3	Type: ASCII_Short_String_Collapsed
Minimum Value: None	Maximum Value: None	Minimum Characters: 1	Maximum Characters: 255
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: Name	Conceptual Domain: Short_String
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

product_class in Identification_Area

Name: product_class			Version Id: 1.0.0.0
Description: The product_class attribute provides the name of the product class.			
Namespace Id: pds	Steward: pds	Class Name: Identification_Area	Type: ASCII_Short_String_Collapsed
Minimum Value: None	Maximum Value: None	Minimum Characters: 1	Maximum Characters: 255
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: ID	Conceptual Domain: Short_String
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	Value	Value Meaning	
	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	

Name: product_class		Version Id: 1.0.0.0
	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
	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

Name: product_class		Version Id: 1.0.0.0
	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
Description: The program notes id attribute provides an identifier to a brief statement giving particulars about a software program.			
Namespace Id: pds	Steward: ops	Class Name: Software_Binary	Type: ASCII_Short_String_Collapsed
Minimum Value: None	Maximum Value: None	Minimum Characters: 1	Maximum Characters: 255
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: ID	Conceptual Domain: Short_String
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

program_notes_id in Software_Source

Name: program_notes_id			Version Id: 1.0.0.0
Description: The program notes id attribute provides an identifier to a brief statement giving particulars about a software program.			
Namespace Id: pds	Steward: ops	Class Name: Software_Source	Type: ASCII_Short_String_Collapsed
Minimum Value: None	Maximum Value: None	Minimum Characters: 1	Maximum Characters: 255
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: ID	Conceptual Domain: Short_String
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

programmers_manual_id in Software

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

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

property_map_subtype in Property_Map_Entry

Name: property_map_subtype			Version Id: 1.0.0.0
Description: The property_map_subtype attribute indicates the subcategory of the property map.			
Namespace Id: pds	Steward: ops	Class Name: Property_Map_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: None	Conceptual Domain: None
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

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
Description: The property name attribute provides a word or a combination of words by which a property is known.			
Namespace Id: pds	Steward: ops	Class Name: Property_Map_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: None	Conceptual Domain: None
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

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>	<i>No Values</i>		

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>	<i>Value Meaning</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	

Name: provider_site_id		Version Id: 1.0.0.0
	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
<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
Description: The publication_date attribute provides the date on which an item was published.			
Namespace Id: pds	Steward: ops	Class Name: Volume_PDS3	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: true	Pattern: None	
Permissible Value(s)	No Values		

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

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

purpose in Primary_Result_Summary

Name: purpose			Version Id: 1.0.0.0
Description: The purpose attribute provides an indication of the primary purpose of the observations included.			
Namespace Id: pds	Steward: pds	Class Name: Primary_Result_Summary	Type: ASCII_Short_String_Collapsed
Minimum Value: None	Maximum Value: None	Minimum Characters: 1	Maximum Characters: 255
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: ID	Conceptual Domain: Short_String
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	Value	Value Meaning	
	Calibration	Data collected to determine the relationship between measurement values and physical units.	
	Checkout	Data collected during operational tests	
	Engineering	Data collected about support systems and structures, which are ancillary to the primary measurements.	
	Navigation	Data collected to support navigation	
	Observation Geometry	Data used to compute instrument observation geometry, such as SPICE kernels.	
	Science	Data collected primarily to answer questions about the targets of the investigation.	
	Supporting Observation	A science observation that was acquired to provide support for another science observation (e.g., a context image for a very high resolution observation, or an image intended to support an observation by a spectral imager).	

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.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> Checksum_Manifest	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> None
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	

Name: record_delimiter		Version Id: 1.0.0.0
	Carriage-Return Line-Feed	Records in the Checksum Manifest are delimited by ASCII carriage-return line-feed pairs (0x0D_0x0A)
	carriage-return line-feed - *Deprecated*	Records in the Checksum Manifest are delimited by ASCII carriage-return line-feed pairs (0x0D0x0A)

record_delimiter in Stream_Text

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> Stream_Text	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Delimiter	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	Carriage-Return Line-Feed	Records in the Stream Text are delimited by ASCII carriage-return line-feed pairs (0x0D_0x0A)	
	carriage-return line-feed - *Deprecated*	Records in the stream text are delimited by ASCII carriage-return line-feed pairs (0x0D0x0A)	

record_delimiter in Table_Binary *Deprecated*

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

record_delimiter in Table_Character

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>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Delimiter	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	Carriage-Return Line-Feed	Records in the delimited table are delimited by ASCII carriage-return line-feed pairs (0x0D_0x0A)	
	carriage-return line-feed - *Deprecated*	Records in the character table are delimited by ASCII carriage-return line-feed pairs (0x0D0x0A)	

record_delimiter in Table_Delimited

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_Delimited	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Delimiter	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	Carriage-Return Line-Feed	Records in the delimited table are delimited by ASCII carriage-return line-feed pairs (0x0D_0x0A)	
	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.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Record_Binary	<i>Type:</i> ASCII_NonNegative_Integer

Name: record_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>		

record_length in Record_Character

Name: record_length			Version Id: 1.0.0.0
Description: 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
Description: 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.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Table_Base	<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]+	

Name: records		Version Id: 1.0.0.0
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.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Table_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> 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>		

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.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Vector	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> ID	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> true	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	ICRF	International celestial reference frame	
	MOON_ME_DE421	Moon mean Earth based on JPL DE421	

reference_frame_id in Vector_Cartesian_3

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>	

Name: reference_frame_id		Version Id: 1.0.0.0
	ICRF	International celestial reference frame
	MOON_ME_DE421	Moon mean Earth based on JPL DE421

reference_text in External_Reference

<i>Name: reference_text</i>			<i>Version Id: 1.0.0.0</i>
<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> UTF8_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> 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
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</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 - *Deprecated*	*Deprecated* The bundle has a member collection member	
	bundle_has_miscellaneous_collection	The bundle has a miscellaneous collection member	

Name: reference_type		Version Id: 1.0.0.0
	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
Description: The reference_type attribute provides the name of the association.			
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: Type	Conceptual Domain: Short_String
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	Value	Value Meaning	
	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	

Name: reference_type		Version Id: 1.0.0.0
	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>No Values</i>		
<i>Extended Value(s) for: pds:Observing_System_Component/pds:Internal_Reference</i>	<i>Value</i>	<i>Value Meaning</i>	
	is_instrument	The referenced class is a context product describing the instrument.	
	is_instrument_host	The referenced class is a context product describing the instrument_host.	
	is_other	The referenced class is a context product describing something not classified.	
	is_facility	The referenced class is a context product describing the facility.	
	is_telescope	The referenced class is a context product describing the telescope.	
	is_airborne	*Deprecated* The referenced class is a context product describing an airborne platform.	
<i>Extended Value(s) for: pds:Product_AIP/pds:Information_Package_Component/pds:Internal_Reference</i>	<i>Value</i>	<i>Value Meaning</i>	
	package_has_collection	The Archival Information Package contains a Collection.	
	package_has_bundle	The Archival Information Package contains a Bundle.	
	package_has_product	The Archival Information Package contains a basic Product.	
	package_compiled_from_package	The Archival Information Package is compiled from a Submission Information Package.	
<i>Extended Value(s) for: pds:Product Ancil-</i>	<i>Value</i>	<i>Value Meaning</i>	

Name: reference_type		Version Id: 1.0.0.0
<i>lary/pds:Context_Area/ pds:Investigation_Area/ pds:Internal_Reference</i>		
	ancillary_to_investigation	The ancillary data product is associated to an investigation
<i>Extended Value(s) for: pds:Product_Ancillary/pds:Context_Area/ pds:Target_Identification/pds:Internal_Reference</i>	<i>Value</i>	<i>Value Meaning</i>
	ancillary_to_target	The ancillary data product is associated to a target
<i>Extended Value(s) for: pds:Product_Ancillary/pds:Reference_List/pds:Internal_Reference</i>	<i>Value</i>	<i>Value Meaning</i>
	ancillary_to_data	The ancillary product is associated to a data product
	ancillary_to_document	The ancillary data product is associated to a document
	ancillary_to_browse	The ancillary product is associated to a browse product
<i>Extended Value(s) for: pds:Product_Browse/ pds:Reference_List/ pds:Internal_Reference</i>	<i>Value</i>	<i>Value Meaning</i>
	browse_to_data	The browse product is associated to a data product
	browse_to_thumbnail	The browse product is associated to a thumbnail
	browse_to_browse	The browse product is associated to a different browse product.
	browse_to_document	The browse product is associated to a document.
	browse_to_ancillary	The browse product is associated to an ancillary product.
<i>Extended Value(s) for: pds:Product_Bundle/pds:Context_Area/ pds:Investigation_Area/ pds:Internal_Reference</i>	<i>Value</i>	<i>Value Meaning</i>
	bundle_to_investigation	The bundle is associated to an investigation
<i>Extended Value(s) for: pds:Product_Bundle/pds:Reference_List/ pds:Internal_Reference</i>	<i>Value</i>	<i>Value Meaning</i>
	bundle_to_errata	The bundle is associated to an errata document
	bundle_to_document	The bundle is associated to a document

Name: reference_type		Version Id: 1.0.0.0
	bundle_to_investigation	The bundle is associated to an investigation
	bundle_to_instrument	The bundle is associated to an instrument
	bundle_to_instrument_host	The bundle is associated to an instrument host
	bundle_to_target	The bundle is associated to a target
	bundle_to_resource	The bundle is associated to a resource
	bundle_to_associate	The bundle is associated to a product
<i>Extended Value(s) for: pds:Product_Collection/ pds:Context_Area/ pds:Investigation_Area/ pds:Internal_Reference</i>	<i>Value</i>	<i>Value Meaning</i>
	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

Name: reference_type		Version Id: 1.0.0.0
	collection_to_instrument_host	The collection is associated to an instrument host
	collection_to_target	The collection is associated to a target
<i>Extended Value(s) for: pds:Product_Context/pds:Reference_List/pds:Internal_Reference</i>	<i>Value</i>	<i>Value Meaning</i>
	context_to_associate	The context product is associated to a product
	instrument_to_document	The instrument is associated to a document
	instrument_to_instrument_host	The instrument is associated to an instrument host
	instrument_host_to_document	The instrument host is associated to a document
	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

Name: reference_type		Version Id: 1.0.0.0
	instrument_to_observatory	The instrument is associated to an observatory
	instrument_to_facility	The instrument is associated to a facility
	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
	investigation_to_telescope	The investigation is associated to a telescope
	facility_to_investigation	The facility is associated to an investigation
	facility_to_instrument	The facility is associated to an instrument
	facility_to_telescope	A facility is associated to a telescope
	investigation_to_facility	The investigation is associated to a facility
	telescope_to_instrument	A telescope is associated to an instrument
<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_Docu-</i>	<i>Value</i>	<i>Value Meaning</i>

Name: reference_type		Version Id: 1.0.0.0
<i>ment/pds:Context_Area/pds:Investigation_Area/pds:Internal_Reference</i>		
	document_to_investigation	The document is associated to an investigation
<i>Extended Value(s) for: pds:Product_Document/pds:Context_Area/pds:Target_Identification/pds:Internal_Reference</i>	<i>Value</i>	<i>Value Meaning</i>
	document_to_target	The document is associated to a target
<i>Extended Value(s) for: pds:Product_Document/pds:Reference_List/pds:Internal_Reference</i>	<i>Value</i>	<i>Value Meaning</i>
	document_to_associate	The document is associated to a product
	document_to_investigation	The document is associated to an investigation
	document_to_instrument_host	The document is associated to an instrument_host
	document_to_instrument	The document is associated to an instrument
	document_to_target	The document is associated to a target
<i>Extended Value(s) for: pds:Product_Observational/pds:Observation_Area/pds:Investigation_Area/pds:Internal_Reference</i>	<i>Value</i>	<i>Value Meaning</i>
	data_to_investigation	The data product is associated to an investigation
<i>Extended Value(s) for: pds:Product_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
<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

Name: reference_type		Version Id: 1.0.0.0
	data_to_calibration_product	The data product is associated to a calibration product
	data_to_raw_product	The data product is associated to a raw product
	data_to_calibrated_product	The data product is associated to a calibrated product
	data_to_derived_product	The data product is associated to a derived product
	data_to_geometry	The data product is associated to geometry
	data_to_spice_kernel	The data product is associated to spice kernel(s)
	data_to_thumbnail	The data product is associated to a thumbnail
	data_to_document	The data product is associated to a document
	data_curated_by_node	The data product is curated by the referenced node
	data_to_browse	The data product is associated to a browse product
	data_to_ancillary_data	The referencing data product requires the referenced data product to provide specific support for its own use. For example, a table with footnotes can be archived as two products: a data table file with a field giving a footnote code number; and a footnotes file sorted by those code numbers. The label of the data table would then reference the footnotes file with an association type of "data_to_ancillary_data".
<i>Extended Value(s) for: pds:Product_SIP/pds:Information_Package_Component/pds:Internal_Reference</i>	<i>Value</i>	<i>Value Meaning</i>
	package_has_collection	The Submission Information Package contains a Collection.
	package_has_bundle	The Submission Information Package contains a Bundle.
	package_has_product	The Submission Information Package is contains a basic Product.
<i>Extended Value(s) for: pds:Product_SIP_Deep_Archive/pds:Information_Package_Component_Deep_Archive/pds:Internal_Reference</i>	<i>Value</i>	<i>Value Meaning</i>
	package_has_bundle	The Submission Information Package Deep Archive contains a Bundle.
<i>Extended Value(s) for: pds:Product_Thumbnail/pds:Reference_List/pds:Internal_Reference</i>	<i>Value</i>	<i>Value Meaning</i>

Name: reference_type		Version Id: 1.0.0.0
	thumbnail_to_data	The thumbnail product is associated to a data product.
	thumbnail_to_browse	The thumbnail product is associated to a browse product.
	thumbnail_to_document	The thumbnail product is associated to a document product.
<i>Extended Value(s) for: pds:Product_Update/pds:Reference_List/pds:Internal_Reference</i>	<i>Value</i>	<i>Value Meaning</i>
	update_to_collection	The update is associated to a collection product
<i>Extended Value(s) for: pds:Product_Zipped/pds:Internal_Reference</i>	<i>Value</i>	<i>Value Meaning</i>
	zip_to_package	The zip file contains a copy of the package

reference_type in Inventory

Name: reference_type			Version Id: 1.0.0.0
Description: The reference_type attribute provides the name of the association.			
Namespace Id: pds	Steward: pds	Class Name: Inventory	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	
	inventory_has_member_product	The collection inventory has member products identified by either LIDVID or LID references	

reference_type in Source_Product_External

Name: reference_type			Version Id: 1.0.0.0
Description: The reference_type attribute provides the name of the association.			
Namespace Id: pds	Steward: pds	Class Name: Source_Product_External	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	
	data_to_calibrated_source_product	The data product is associated to a calibrated_source_product	

<i>Name:</i> reference_type		<i>Version Id:</i> 1.0.0.0
	data_to_derived_source_product	The data product is associated to a derived_source_product
	data_to_partially_processed_source_product	The data product is associated to a partially_processed_source_product
	data_to_raw_source_product	The data product is associated to a raw_source_product
	data_to_telemetry_source_product	The data product is associated to a telemetry_source_product

reference_type in Source_Product_Internal

<i>Name:</i> reference_type			<i>Version Id:</i> 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> Source_Product_Internal	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</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>	
	data_to_calibrated_source_product	The data product is associated to a calibrated_source_product	
	data_to_derived_source_product	The data product is associated to a derived_source_product	
	data_to_partially_processed_source_product	The data product is associated to a partially_processed_source_product	
	data_to_raw_source_product	The data product is associated to a raw_source_product	
	data_to_telemetry_source_product	The data product is associated to a telemetry_source_product	

reference_type in Table_Delimited_Source_Product_External

<i>Name:</i> reference_type			<i>Version Id:</i> 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> Table_Delimited_Source_Product_External	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</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

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

reference_type in Table_Delimited_Source_Product_Internal

Name: reference_type			Version Id: 1.0.0.0
<i>Description:</i> The reference_type attribute provides the name of the association.			
Namespace Id: pds	Steward: pds	Class Name: Table_Delimited_Source_Product_Internal	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		

referenced_identifier in Terminological_Entry_SKOS

Name: referenced_identifier			Version Id: 1.0.0.0
<i>Description:</i> The referenced identifier attribute provides the identifier of the entity being referenced.			
Namespace Id: pds	Steward: ops	Class Name: Terminological_Entry_SKOS	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		

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.			
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: Text	Conceptual Domain: Short_String

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

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.			
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: Text	Conceptual Domain: Short_String
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

registration_authority in Terminological_Entry_SKOS

Name: registration_authority			Version Id: 1.0.0.0
<i>Description:</i> The registration_authority attribute provides the name of the group responsible for the terminological entry.			
Namespace Id: pds	Steward: ops	Class Name: Terminological_Entry_SKOS	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	
	PDS3	The term is governed by the PDS3 registration authority.	
	PDS4	The term is governed by the PDS4 registration authority.	
	VICAR	The term is governed by the VICAR registration authority.	

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.			
Namespace Id: pds	Steward: ops	Class Name: DD_Attribute_Full	Type: ASCII_Short_String_Collapsed

Name: registration_authority_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>	
	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

Name: registration_date			Version Id: 1.0.0.0
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		

release_date in Service

Name: release_date			Version Id: 1.0.0.0
Description: The release_date attribute provides the date that the product was released.			
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		

repetitions in Group

Name: repetitions			Version Id: 1.0.0.0
Description: The repetitions attribute provides the number of times a set of repeating fields and, possibly, (sub)groups is replicated within a group.			
Namespace Id: pds	Steward: pds	Class Name: Group	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		

revision_id in Document

Name: revision_id			Version Id: 1.0.0.0
Description: 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.			
Namespace Id: pds	Steward: pds	Class Name: Document	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		

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.			
Namespace Id: pds	Steward: ops	Class Name: Target_PDS3	Type: ASCII_Short_String_Collapsed
Minimum Value: None	Maximum Value: None	Minimum Characters: 1	Maximum Characters: 255
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: Direction	Conceptual Domain: Short_String
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

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
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</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_Col-lapsed
<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_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.			

Name: rule_type			Version Id: 1.0.0.0
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> DD_Rule_Statement	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> None	<i>Conceptual Domain:</i> None
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	Assert	The rule statement type is generic Assert.	
	Assert Every	The rule statement type is Assert Every.	
	Assert If	The rule statement type is Assert If.	
	Report	The rule statement type is Report.	

rule_value in DD_Rule_Statement

Name: rule_value			Version Id: 1.0.0.0
<i>Description:</i> The rule_value attribute provides values to be used to complete certain schematon statements.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> DD_Rule_Statement	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</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>		

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.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Display_2D_Image *Deprecated*	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Direction	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	Right	The preferred orientation of samples within 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> 1.7976931348623157e308	<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> None	
<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>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> Number	<i>Conceptual Domain:</i> Real
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

sampling_parameter_name in Uniformly_Sampled

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.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Uniformly_Sampled	<i>Type:</i> ASCII_Short_String_Collapsed

Name: sampling_parameter_name			Version Id: 1.0.0.0
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		

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 Logarithmic Uniformly Spaced data are given at 0, 1, 2, 3 ...	

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
<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> 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> None	
<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> 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> Fac- tor	<i>Conceptual Domain:</i> Real
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

scaling_factor in Field_Binary

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> Field_Binary	<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> Factor	<i>Conceptual Domain:</i> Real
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

scaling_factor in Field_Bit

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> Field_Bit	<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> Factor	<i>Conceptual Domain:</i> Real
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

scaling_factor in Field_Character

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> Field_ Character	<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> Fac- tor	<i>Conceptual Domain:</i> Real
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

scaling_factor in Field_Delimited

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> Field_De- limited	<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> Fac- tor	<i>Conceptual Domain:</i> Real
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

sequence_number in Axis_Array

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.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Axis_Array	<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> 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>		

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.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Quaternion_Component	<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> 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>		

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.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Vector_Component	<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> 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>		

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.		

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

serial_number in Instrument_Host

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

service_type in Service

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.	

skos_relation_name in Terminological_Entry

Name: skos_relation_name	Version Id: 1.0.0.0
<i>Description:</i> The attribute skos_relation_name provides a meaning of the relationship between two associated terms.	

Name: skos_relation_name			Version Id: 1.0.0.0
<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> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	broadMatch	BroadMatch is used to state a hierarchical mapping link between two conceptual resources in different concept schemes	
	closeMatch	CloseMatch is used to link two concepts that are sufficiently similar that they can be used interchangeably	
	exactMatch	ExactMatch is used to link two concepts, indicating a high degree of confidence that the concepts can be used interchangeably	
	narrowMatch	NarrowMatch is used to state a hierarchical mapping link between two conceptual resources in different concept schemes	
	relatedMatch	RelatedMatch is used to state an associative mapping link between two conceptual resources in different concept schemes	

skos_relation_name in Terminological_Entry_SKOS

Name: skos_relation_name			Version Id: 1.0.0.0
<i>Description:</i> The attribute skos_relation_name provides a meaning of the relationship between two associated terms.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> Terminological_Entry_SKOS	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</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>	
	broadMatch	BroadMatch is used to state a hierarchical mapping link between two conceptual resources in different concept schemes	
	closeMatch	CloseMatch is used to link two concepts that are sufficiently similar that they can be used interchangeably	
	exactMatch	ExactMatch is used to link two concepts, indicating a high degree of confidence that the concepts can be used interchangeably	

Name: skos_relation_name		Version Id: 1.0.0.0
	narrowMatch	NarrowMatch is used to state a hierarchical mapping link between two conceptual resources in different concept schemes
	relatedMatch	RelatedMatch is used to state an associative mapping link between two conceptual resources in different concept schemes

software_dialect in Software_Source

Name: software_dialect			Version Id: 1.0.0.0
Description: The software dialect attribute indicates the variety of a language used to write the software.			
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: Text	Conceptual Domain: Short_String
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

software_format_type in Software_Binary

Name: software_format_type			Version Id: 1.0.0.0
Description: The software format type attribute classifies the format of the software.			
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: Type	Conceptual Domain: Short_String
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

software_format_type in Software_Source

Name: software_format_type			Version Id: 1.0.0.0
Description: The software format type attribute classifies the format of the software.			
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: Type	Conceptual Domain: Short_String
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

software_id in Software

Name: software_id			Version Id: 1.0.0.0
Description: The software id attribute provides a formal name used to refer to the software.			
Namespace Id: pds	Steward: ops	Class Name: Software	Type: ASCII_Short_String_Collapsed
Minimum Value: None	Maximum Value: None	Minimum Characters: 1	Maximum Characters: 255
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: ID	Conceptual Domain: Short_String
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

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
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</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

Name: software_type			Version Id: 1.0.0.0
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		

software_version_id in Software

Name: software_version_id			Version Id: 1.0.0.0
Description: The software_version_id attribute provides the version of the software.			
Namespace Id: pds	Steward: ops	Class Name: Software	Type: ASCII_Short_String_Collapsed
Minimum Value: None	Maximum Value: None	Minimum Characters: 1	Maximum Characters: 255
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: None	Conceptual Domain: Short_String
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

solar_longitude in Time_Coordinates

Name: solar_longitude			Version Id: 1.0.0.0
Description: 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.			
Namespace Id: pds	Steward: pds	Class Name: Time_Coordinates	Type: ASCII_Real
Minimum Value: 0	Maximum Value: 360	Minimum Characters: None	Maximum Characters: None
Unit of Measure Type: Units_of_Angle	Default Unit Id: deg	Attribute Concept: Longitude	Conceptual Domain: Real
Status: Active	Nillable: false	Pattern: None	
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.			
<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

Name: sort_name			Version Id: 1.0.0.0
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.			
Namespace Id: pds	Steward: ops	Class Name: DD_Value_Domain_Full	Type: UTF8_Short_String_Collapsed
Minimum Value: None	Maximum Value: None	Minimum Characters: 1	Maximum Characters: 255
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: ID	Conceptual Domain: Short_String
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

specified_unit_id in Unit_Of_Measure

Name: specified_unit_id			Version Id: 1.0.0.0
Description: The specified_unit_id attribute provides the unit chosen for maximum_value, minimum_value, and permissible_value.			
Namespace Id: pds	Steward: pds	Class Name: Unit_Of_Measure	Type: UTF8_Short_String_Collapsed
Minimum Value: None	Maximum Value: None	Minimum Characters: 1	Maximum Characters: 255
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: ID	Conceptual Domain: Short_String
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

specified_unit_id in Units_of_Acceleration

Name: specified_unit_id			Version Id: 1.0.0.0
Description: The specified_unit_id attribute provides the unit chosen for maximum_value, minimum_value, and permissible_value.			
Namespace Id: pds	Steward: pds	Class Name: Units_of_Acceleration	Type: UTF8_Short_String_Collapsed
Minimum Value: None	Maximum Value: None	Minimum Characters: 1	Maximum Characters: 255
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: ID	Conceptual Domain: Short_String
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	Value	Value Meaning	
	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
Description: 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_Amount_Of_Substance	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	

Name: specified_unit_id		Version Id: 1.0.0.0
	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
Description: 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_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	
	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
Description: 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_Angular_Velocity	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	
	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
Description: 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_Area	Type: 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>	
	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_Energy

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_Energy	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</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>	
	J	Units_of_Energy maximum, minimum, and permissible values are given in the unit joule.	

specified_unit_id in Units_of_Force

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_Force	<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> Short_String
<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	Units_of_Force maximum, minimum, and permissible values are given in the unit newton.	

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
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</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>	

Name: specified_unit_id		Version Id: 1.0.0.0
	Hz	Units_of_Frequency maximum, minimum, and permissible values are given in the unit hertz (cycle per second)

specified_unit_id in Units_of_Gmass

Name: specified_unit_id		Version Id: 1.0.0.0	
Description: 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_Gmass	Type: UTF8_Short_String_Collapsed
Minimum Value: None	Maximum Value: None	Minimum Characters: 1	Maximum Characters: 255
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: None	Conceptual Domain: Short_String
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	Value	Value Meaning	
	km**3s**-2	Units_of_Gmass maximum, minimum, and permissible values are given in the units km**3s**-2.	

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

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>	
	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
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	DN	Units_of_Misc maximum, minimum, and permissible values are given in the unit data number.	

specified_unit_id in Units_of_None

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_None	<i>Type:</i> UTF8_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> ID	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	none	Units_of_None maximum, minimum, and permissible values are dimensionless.	

specified_unit_id in Units_of_Optical_Path_Length

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_Optical_Path_Length	<i>Type:</i> UTF8_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> ID	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	airmass	Units_of_Optical_Path_Length maximum, minimum, and permissible values are given in the unit airmass	

specified_unit_id in Units_of_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

Name: specified_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>	
	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
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</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

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>	
	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
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	W/(m**2*sr)	Units_of_Radiance maximum, minimum, and permissible values are given in the unit watt per square meter per steradian	

specified_unit_id in Units_of_Rates

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_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	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.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Units_of_Solid_Angle	<i>Type:</i> UTF8_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> ID	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	sr	Units_of_Solid_Angle maximum, minimum, and permissible values are given in the unit steradian.	

specified_unit_id in Units_of_Spectral_Irradiance

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_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	

Name: specified_unit_id		Version Id: 1.0.0.0
<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
Description: 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_Spectral_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: None	Conceptual Domain: None
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	Value	Value Meaning	
	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
Description: 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_Storage	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	
	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.		

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_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>Type:</i> UTF8_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> ID	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	m/s	Units_of_Velocity maximum, minimum, and permissible values are given in the unit meter per second	

specified_unit_id in Units_of_Voltage

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
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</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: specified_unit_id		Version Id: 1.0.0.0
	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> 1.7976931348623157e308	<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> None	
<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> 1.7976931348623157e308	<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> None	
<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).			
<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> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

start_bit in Field_Bit *Deprecated*

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

start_bit_location in Field_Bit

Name: start_bit_location			Version Id: 1.0.0.0
<i>Description:</i> The start_bit_location attribute provides the position of the first bit in a bit field relative to the first bit in the parent packed data field. Bytes are sequential and bits are numbered continuously across byte boundaries within a single bit field. The first bit position 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
<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
<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
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

steward_id in DD_Attribute_Full

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
<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>		

steward_id in Terminological_Entry_SKOS

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> Terminological_Entry_SKOS	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</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>		

stop_bit in Field_Bit *Deprecated*

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

stop_bit_location in Field_Bit

Name: stop_bit_location			Version Id: 1.0.0.0
<i>Description:</i> The stop_bit_location attribute provides the position of the last bit in a bit field relative to the first bit in the parent packed data field. Bytes are sequential and bits are numbered continuously across byte boundaries within a single bit field. The first bit position 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
<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> Investiga- tion	<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
<i>Status:</i> Active	<i>Nillable:</i> true	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

stop_time in Data_Set_PDS3

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.		

Name: stop_time			Version Id: 1.0.0.0
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.			
Namespace Id: pds	Steward: ops	Class Name: DD_Attribute	Type: ASCII_Short_String_Collapsed
Minimum Value: None	Maximum Value: None	Minimum Characters: 1	Maximum Characters: 255

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

submitter_name in DD_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.			
Namespace Id: pds	Steward: ops	Class Name: DD_Attribute_Full	Type: ASCII_Short_String_Collapsed
Minimum Value: None	Maximum Value: None	Minimum Characters: 1	Maximum Characters: 255
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: Name	Conceptual Domain: Short_String
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

submitter_name in DD_Class

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.			
Namespace Id: pds	Steward: ops	Class Name: DD_Class	Type: ASCII_Short_String_Collapsed
Minimum Value: None	Maximum Value: None	Minimum Characters: 1	Maximum Characters: 255
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: Name	Conceptual Domain: Short_String
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

submitter_name in DD_Class_Full

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.			
Namespace Id: pds	Steward: ops	Class Name: DD_Class_Full	Type: ASCII_Short_String_Collapsed
Minimum Value: None	Maximum Value: None	Minimum Characters: 1	Maximum Characters: 255
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: Name	Conceptual Domain: Short_String
Status: Active	Nillable: false	Pattern: None	

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

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> Sub- 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 *Deprecated*

Name: subtype *Deprecated*			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> Instru- ment	<i>Type:</i> ASCII_Short_ String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</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>		

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
<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
<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
<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.			
<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	
<i>Permissible Value(s)</i>	<i>No Values</i>		

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

Name: team_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>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 Sapce Science Data Coordinated Archive	
	Navigation and Ancillary Information Facility	Team name is Navigation and Ancillary Information Facility	
	Planetary Atmospheres	Team name is Planetary Atmospheres	
	Planetary Plasma Interactions	Team name is Planetary Plasma Interactions	
	Planetary Rings - *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
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</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> 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> None	
<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> None	
<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
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

title in Composite_Structure

Name: title			Version Id: 1.0.0.0
<i>Description:</i> The title attribute provides a short, descriptive text string suitable for use as a title or brief description in a display or listing of products.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Composite_Structure	<i>Type:</i> ASCII_Short_String_Collapsed

Name: title			Version Id: 1.0.0.0
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 Identification_Area

Name: title			Version Id: 1.0.0.0
Description: 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
Description: 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.			
<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

Name: title			Version Id: 1.0.0.0
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 Terminological_Entry_SKOS

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: Terminological_Entry_SKOS	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.			
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		

type in Airborne *Deprecated*

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: Airborne *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	

Name: type		Version Id: 1.0.0.0
<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
Description: The type attribute classifies the attribute definition according to origin.			
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: Type	Conceptual Domain: Short_String
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	Value	Value Meaning	
	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
Description: The type attribute classifies the attribute definition according to origin.			
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: Type	Conceptual Domain: Short_String
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	Value	Value Meaning	
	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 *Deprecated*

Name: type *Deprecated*			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
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</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>	
	Accelerometer	An instrument that measures proper (i.e., its own) acceleration.	
	Alpha Particle Detector	An instrument that measures the number and/or distribution of alpha particles.	
	Alpha Particle X-Ray Spectrometer	An instrument that bombards a sample with alpha particles and X-rays and measures the energy spectrum of scattered alpha particles and X-rays to determine the sample's elemental composition.	
	Altimeter	An instrument that measures its own altitude above a reference surface.	
	Anemometer	An in situ instrument that measures wind speed.	
	Atmospheric Sciences	A top level category for atmospheric science instruments.	
	Atomic Force Microscope	An instrument that uses atomic forces between a probe and a sample to produce high-resolution topographic scans of the sample.	
	Barometer	An in situ instrument that measures atmospheric pressure.	

<i>Name: type *Deprecated*</i>		<i>Version Id: 1.0.0.0</i>
	Biology Experiments	An instrument that conducts one or more experiments on samples to determine their potential for biological activity.
	Bolometer	An instrument that estimates radiation intensity by measuring changes in electrical resistivity as the temperature of its sensor varies in response to the incident power density.
	Camera	An instrument that records and stores analog images (compare 'imager').
	Cosmic Ray Detector	An instrument that detects and/or measures cosmic rays.
	Drilling Tool	A tool that drills into samples.
	Dust	An instrument that detects and/or measures dust.
	Dust Detector	An instrument that detects and/or measures dust.
	Electrical Probe	An in situ instrument that measures electrical properties (e.g., conductivity) of a medium into which it is inserted.
	Energetic Particle Detector	An instrument that detects and/or measures energetic charged particles.
	Gamma Ray Detector	An instrument that detects and/or measures gamma rays.
	Gas Analyzer	A high-temperature furnace combined with a mass spectrometer that heats a sample and analyzes the mass distribution of the evolved gases.
	Gravimeter	An instrument that measures the local gravitational field.
	Grinding Tool	A tool that grinds into samples.
	Hygrometer	An instrument used to measure the moisture content of its environment.
	Imager	An instrument that records and stores digital images.
	Imaging Spectrometer	An instrument that combines the functions of a spectrometer and an imager - i.e., it captures and stores multiple images, each at a slightly different wavelength.
	Inertial Measurement Unit	An instrument that measures changes in its own velocity and orientation by using a combination of accelerometers, gyroscopes, and/or other devices.
	Infrared Spectrometer	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 Break-down Spectrometer	An instrument that uses an active laser to generate a plasma from a target and then measures the energy spectrum of the evolved plasma.

<i>Name: type *Deprecated*</i>		<i>Version Id: 1.0.0.0</i>
	Magnetometer	An instrument that measures the strength and/or direction of a magnetic field.
	Mass Spectrometer	An instrument that measures the number of particles in a sample as a function of their mass.
	Microscope	An instrument used to view objects that are too small to be seen by the naked eye.
	Microwave Spectrometer	An instrument that measures the spectral distribution of microwave radiation.
	Moessbauer Spectrometer	An instrument that uses the Mossbauer effect to determine the abundance of Fe-bearing minerals in a sample.
	Naked Eye	Observations made with the naked eye and recorded in a data product.
	Neutral Particle Detector	An instrument that detects and/or measures neutral particles.
	Neutron Detector	An instrument that measures the number and/or energy distribution of neutrons.
	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	An instrument that measures the spectral distribution of energy in a low-frequency plasma.
	Plasma Detector	An instrument that detects and/or measures low energy charged particles.
	Plasma Wave Spectrometer	An instrument that measures the energy distribution in a low-frequency plasma.
	Polarimeter	An instrument used to measure the angle of rotation caused by passing polarized electromagnetic radiation through an optically active substance.
	Radar	An instrument that transmits and receives radio signals for the purpose of detecting, determining the range (distance) to, velocity of, and/or direction of one or more distant targets.
	Radio Science	An instrument suite used to conduct measurements at radio frequencies.
	Radio Spectrometer	An instrument that measures the spectral distribution of electromagnetic radiation at radio frequencies.
	Radio Telescope	An instrument used to focus and capture radio waves.
	Radio-Radar	An instrument used to conduct measurements at radio frequencies.
	Radiometer	An instrument which measures the radiant flux of electromagnetic radiation.
	Reflectometer	An instrument that measures the reflectance of surfaces. An electron reflectometer measures the properties of electrons trapped along magnetic

<i>Name: type *Deprecated*</i>		<i>Version Id: 1.0.0.0</i>
		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	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.
	Spectrograph	An instrument that separates light into a frequency spectrum and records the signal using a camera.
	Spectrograph Imager	See Imaging Spectrometer.
	Spectrometer	An instrument that measures a spectrum, reporting intensity as a function of wavelength, frequency, energy, momentum, or mass.
	Thermal Imager	An instrument that captures an image at thermal infrared wavelengths.
	Thermal Probe	An in situ instrument that measures thermal properties (e.g., temperature) at one or more points along its length.
	Thermometer	An instrument that measures temperature.
	Ultraviolet Spectrometer	An instrument that measures the spectral distribution of ultraviolet radiation.
	Weather Station	An instrument that collects data for the scientific study of weather and weather-related phenomena such as (but not limited to) temperature, pressure, wind speed, wind direction, etc.
	Wet Chemistry Laboratory	An instrument that mixes soil samples with solutions to measure material properties such as pH, conductivity, oxidation-reduction potential, etc.
	X-ray Detector	An instrument that detects and/or measures X-rays.
	X-ray Diffraction Spectrometer	An instrument that uses a beam of X-rays to probe the internal structure of a powdered sample and identify its mineral composition.
	X-ray Fluorescence Spectrometer	An instrument that measures the emission of secondary X-rays to determine the elemental composition of a sample that has been irradiated with primary X-rays.

type in Instrument_Host

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
<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.	
	Earth Based - *Deprecated*	The Instrument Host is classified as being of type Earth Based	
	Earth-based - *Deprecated*	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).	
	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 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

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>	
	Field Campaign	A set of experiments and/or observations with a clearly defined purpose that is coordinated among one or more individuals and/or one or more organizations. The campaign is characterized primarily by its in situ terrestrial field work.	
	Individual Investigation	A set of experiments and/or observations with a clearly defined purpose that 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 is under the direction of an organization (such as a national space agency) and uses one or more vehicles of similar design. A mission is usually conducted by a national or international space agency using a small number (often one) of spacecraft especially designed and built for the purpose. For example: (1) the NASA Voyager mission launched two spacecraft to Jupiter and Saturn; (2) the Deep Impact (DI) mission launched a spacecraft, part of which impacted the comet Tempel 2; and (3) the EPOXI mission redefined the objectives of the surviving DI hardware for further exploration of the solar system.	
	Observing Campaign	A set of experiments and/or observations with a clearly defined purpose that is coordinated among one or more individuals and/or one or more organizations. The campaign is characterized primarily by its remote sensing observations. 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>	
	Field Campaign	A set of experiments and/or observations with a clearly defined purpose that is coordinated among one or more individuals and/or one or more organizations. The campaign is characterized primarily by its in situ terrestrial field work.	
	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 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 space-	

<i>Name: type</i>		<i>Version Id: 1.0.0.0</i>
		craft 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
Description: The type attribute classifies the observing system component according to its function.			
Namespace Id: pds	Steward: pds	Class Name: Observing_System_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	
	Airborne - *Deprecated*	The physical object that transports a platform by or through air.	
	Aircraft - *Deprecated*	An airborne observatory carried on a powered, heavier than air vessel supporting observations, measurements, and scientific experiments during flight.	
	Artificial Illumination - *Deprecated*	The observing system component provides artificial illumination	
	Balloon - *Deprecated*	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.	
	Computer - *Deprecated*	The observing system component is a processor embedded in the observing configuration, that manipulates or regulates the data prior to downlink.	
	Facility - *Deprecated*	The observing system component is a facility.	
	Host	The observing system component is a host or a member in a chain of hosts that ultimately contains an instrument that collects data.	
	Instrument	The observing system component is an instrument	
	Laboratory - *Deprecated*	The observing system component is a laboratory	
	Literature Search	The observing system component is a literature search	
	Naked Eye - *Deprecated*	The observing system component is the unaided eye of a person	

<i>Name: type</i>		<i>Version Id: 1.0.0.0</i>
	Observatory - *Deprecated*	The observing system component is an observatory
	Spacecraft - *Deprecated*	The observing system component is a spacecraft
	Suborbital Rocket - *Deprecated*	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*

<i>Name: type *Deprecated*</i>			<i>Version Id: 1.0.0.0</i>
<i>Description:</i> The type attribute provides a classification for the resource.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Primary_Result_Summary	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Type	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Deprecated	<i>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	
	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	

Name: type *Deprecated*		Version Id: 1.0.0.0
	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>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Type	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	SPICE	The quaternion has components zero through three, with the 0th component being the scalar, and the 1st, 2nd and 3rd being the vector components.	
	Spacecraft Telemetry	The quaternion has components one through four, with the 4th component being the scalar, and the 1st, 2nd and 3rd being the vector components.	

type in Resource

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

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>	
	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.			
<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

Name: type		Version Id: 1.0.0.0
<i>Status: Active</i>	<i>Nillable: false</i>	<i>Pattern: None</i>
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>
	Asteroid	The target is classified as an asteroid
	Astrophysical	The target is classified as of interest to the astrophysics community.
	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.
	Centaur	The target is classified as a Centaur. A Centaur is a minor planet orbiting beyond the orbit of Jupiter and interior to the orbit of Neptune. Its semimajor axis range is greater than 5.4 AU and less than 30.1 AU.
	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
	Laboratory Analog	The target is classified as a laboratory analog approximating a planetary environment.
	Lunar Sample - *Deprecated*	The target is a sample collected on the Earth's Moon
	Magnetic Field	The target is classified as a magnetic field.
	Meteorite - *Deprecated*	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 similar-

Name: type		Version Id: 1.0.0.0
		ly 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
	Sample	The target is classified as a physical sample representative of a larger whole. Samples may include but are not confined to rocks, minerals, fluids, or synthetic approximations of those types of materials.
	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
	Synthetic Sample - *Deprecated*	The target is a sample created in a laboratory.
	Terrestrial Sample - *Deprecated*	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
Description: The type attribute classifies a target according to its size and properties so that correct nomenclature can be applied.			
Namespace Id: pds	Steward: pds	Class Name: Target_ Identification	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	
	Asteroid	The target is classified as an asteroid	
	Astrophysical	The target is classified as of interest to the astro- physics community.	
	Calibration - *Depre- cated*	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 specifi- cally designed to generate a signal to be used for calibration.	
	Centaur	The target is classified as a Centaur. A Centaur is a minor planet orbiting beyond the orbit of	

<i>Name: type</i>		<i>Version Id: 1.0.0.0</i>
		Jupiter and interior to the orbit of Neptune. Its semimajor axis range is greater than 5.4 AU and less than 30.1 AU.
	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
	Laboratory Analog	The target is classified as a laboratory analog approximating a planetary environment.
	Lunar Sample - *Deprecated*	The target is a sample collected on the Earth's Moon
	Magnetic Field	The target is classified as a magnetic field.
	Meteorite - *Deprecated*	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
	Sample	The target is classified as a physical sample representative of a larger whole. Samples may include but are not confined to rocks, minerals, fluids, or synthetic approximations of those types of materials.
	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
	Synthetic Sample - *Deprecated*	The target is a sample created in a laboratory

Name: type		Version Id: 1.0.0.0
	Terrestrial Sample - *Deprecated*	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
Description: 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
Description: 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
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	
	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
Description: The type attribute classifies the units of amount of substance according to the quantity being measured (amount of substance).			
Namespace Id: pds	Steward: pds	Class Name: Units_of_Amount_Of_Substance	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	

Name: type		Version Id: 1.0.0.0
<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
Description: The type attribute classifies the units of angle according to the quantity being measured (angle).			
Namespace Id: pds	Steward: pds	Class Name: Units_of_Angle	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	
	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
Description: The type attribute classifies the units of angular velocity according to the quantity being measured (angular velocity).			
Namespace Id: pds	Steward: pds	Class Name: Units_of_Angular_Velocity	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	
	Angular_Velocity	Units_of_Angular_Velocity is classified as being of type Angular_Velocity	

type in Units_of_Area

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

Name: type			Version Id: 1.0.0.0
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	
	Area	Units_of_Area is classified as being of type Area	

type in Units_of_Current

Name: type			Version Id: 1.0.0.0
Description: The type attribute classifies the units of current according to the quantity being measured (current).			
Namespace Id: pds	Steward: pds	Class Name: Units_of_Current	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	
	Current	Units_of_Current is classified as being of type Current	

type in Units_of_Energy

Name: type			Version Id: 1.0.0.0
Description: The type attribute provides a classification for the resource.			
Namespace Id: pds	Steward: pds	Class Name: Units_of_Energy	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	
	Energy	Units_of_Energy is classified as being of type Energy	

type in Units_of_Force

Name: type			Version Id: 1.0.0.0
Description: The type attribute provides a classification for the resource.			
Namespace Id: pds	Steward: pds	Class Name: Units_of_Force	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> 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>	
	Force	Units_of_Force is classified as being of type Force.	

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).			
<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_Gmass

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_Gmass	<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> 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>	
	Gmass	Units_of_Gmass gives the value of the product of the universal gravitational constant, G, and the mass of one specified body. The form is (Units_of_Length)**3/(Units_of_Time)**2	

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	
Description: The type attribute classifies units of storage according to the quantity being measured (storage).			
Namespace Id: pds	Steward: pds	Class Name: Units_of_Storage	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	
	Storage	Units_of_Storage is classified as being of type Storage	

type in Units_of_Temperature

Name: type			Version Id: 1.0.0.0
Description: The type attribute classifies units of temperature according to the quantity being measured (temperature).			
Namespace Id: pds	Steward: pds	Class Name: Units_of_Temperature	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	
	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	

Name: type		Version Id: 1.0.0.0
	Pointing	Vector contains the components of a direction
	Position	Vector contains the components of a position
	Velocity	Vector contains the components of a velocity

type_description in Composite_Structure

Name: type_description			Version Id: 1.0.0.0
Description: The type_description attribute provides a description of the object's type.			
Namespace Id: pds	Steward: pds	Class Name: Composite_Structure	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		

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

<i>Name: unit</i>			<i>Version Id: 1.0.0.0</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> 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.			
Namespace Id: pds	Steward: pds	Class Name: Units_of_Acceleration	Type: UTF8_Short_String_Collapsed
Minimum Value: None	Maximum Value: None	Minimum Characters: 1	Maximum Characters: 255
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: ID	Conceptual Domain: Short_String

Name: 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>
	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	
Description: 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	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	
	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
Description: 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	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	
	arcmin	The abbreviated unit for Units_of_Angle is arcmin	
	arcsec	The abbreviated unit for Units_of_Angle is arcsec	
	deg	The abbreviated unit for Units_of_Angle is deg	
	hr	The abbreviated unit for Units_of_Angle is hr	
	mrاد	The abbreviated unit for Units_of_Angle is mrاد	
	rad	The abbreviated unit for Units_of_Angle is rad	

unit_id in Units_of_Angular_Velocity

Name: unit_id			Version Id: 1.0.0.0
Description: 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_Angular_Velocity	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	
	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
Description: 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_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: ID	Conceptual Domain: Short_String
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	Value	Value Meaning	
	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
Description: 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_Current	Type: UTF8_Short_String_Collapsed
Minimum Value: None	Maximum Value: None	Minimum Characters: 1	Maximum Characters: 255
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: None	Conceptual Domain: None
Status: Active	Nillable: false	Pattern: None	

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_Energy

Name: unit_id		Version Id: 1.0.0.0	
Description: 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_Energy	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	
	J	The abbreviated unit for joules in Units_of_Energy.	
	MeV	The abbreviated unit for megaelectronvolts in Units_of_Energy.	
	eV	The abbreviated unit for electronvolts in Units_of_Energy.	
	keV	The abbreviated unit for kiloelectronvolts Units_of_Energy.	

unit_id in Units_of_Force

Name: unit_id			Version Id: 1.0.0.0
Description: 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_Force	Type: UTF8_Short_String_Collapsed
Minimum Value: None	Maximum Value: None	Minimum Characters: 1	Maximum Characters: 255
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: None	Conceptual Domain: Short_String
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	Value	Value Meaning	
	N	The abbreviated unit for newtons in Units_of_Force.	

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:</i> ID	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	frames/s	The abbreviated unit for Units_of_Frame_Rate is frames/s	

unit_id in Units_of_Frequency

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:</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>	
	GHz	The abbreviated unit for Units_of_Frequency (10 ⁹ Hz)	
	Hz	The abbreviated unit for Units_of_Frequency (Hertz)	
	MHz	The abbreviated unit for Units_of_Frequency (10 ⁶ Hz)	
	THz	The abbreviated unit for Units_of_Frequency (10 ¹² Hz)	
	kHz	The abbreviated unit for Units_of_Frequency (10 ³ Hz)	
	mHz	The abbreviated unit for Units_of_Frequency (1/10 ³ Hz)	

unit_id in Units_of_Gmass

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_Gmass	<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> Short_String
<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**3s**-2	Units_of_Gmass maximum, minimum, and permissible values are given in the units km**3s**-2.	

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
<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.			

Name: unit_id			Version Id: 1.0.0.0
<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>	
	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.			
<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	

Name: unit_id		Version Id: 1.0.0.0
Permissible Value(s)	Value	Value Meaning
	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
Description: 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_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	Dimensionless quantities have no abbreviated unit	

unit_id in Units_of_Optical_Path_Length

Name: unit_id			Version Id: 1.0.0.0
Description: 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_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	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

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>	
	HA/pixel	The abbreviated unit for Units_of_Pixel_Resolution_Angular is HA/pixel when the angular measurement is given in units of hour angle.	
	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
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</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

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>	
	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
<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	

Name: unit_id		Version Id: 1.0.0.0
<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	
Description: 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: cart	Class Name: Units_of_Pixel_Scale_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)	Value	Value Meaning	
	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	

unit_id in Units_of_Pressure

Name: unit_id			Version Id: 1.0.0.0
Description: 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
Description: 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	
	$W \cdot m^{-2} \cdot sr^{-1}$ - *Deprecated*	The abbreviated unit of Units_of_Radiance is $W \cdot m^{-2} \cdot sr^{-1}$	
	$W/(m^2 \cdot sr)$	The abbreviated unit of Units_of_Radiance is $W/(m^2 \cdot sr)$	

unit_id in Units_of_Rates

Name: unit_id			Version Id: 1.0.0.0
Description: 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_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	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
Description: 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_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

Name: unit_id		Version Id: 1.0.0.0
Status: Active	Nillable: false	Pattern: None
Permissible Value(s)	Value	Value Meaning
	sr	The abbreviated unit for Units_of_Solid_Angle is sr

unit_id in Units_of_Spectral_Irradiance

Name: unit_id		Version Id: 1.0.0.0	
Description: The unit_id attribute provides a character or character string which serves as an abbreviation for, or symbol representing, a unit of measure.			
Namespace Id: pds	Steward: pds	Class Name: Units_of_Spectral_Irradiance	Type: UTF8_Short_String_Collapsed
Minimum Value: None	Maximum Value: None	Minimum Characters: 1	Maximum Characters: 255
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: None	Conceptual Domain: None
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	Value	Value Meaning	
	SFU - *Deprecated*	The abbreviated unit for Units_of_Spectral_Irradiance is SFU	
	W*m**-2*Hz**-1 - *Deprecated*	The abbreviated unit for Units_of_Spectral_Irradiance is W*m**-2*Hz**-1	
	W*m**-2*nm**-1 - *Deprecated*	The abbreviated unit for Units_of_Spectral_Irradiance is W*m**-2*nm**-1	
	W*m**-3 - *Deprecated*	The abbreviated unit for Units_of_Spectral_Irradiance is W*m**-3	
	W/m**2/Hz	The abbreviated unit of Units_of_Spectral_Irradiance is W/m**2/Hz	
	W/m**2/nm	The abbreviated unit of Units_of_Spectral_Irradiance is W/m**2/nm	
	W/m**3	The abbreviated unit of Units_of_Spectral_Irradiance is W/m**3	
	uW*cm**-2*um**-1 - *Deprecated*	The abbreviated unit for Units_of_Spectral_Irradiance is uW*cm**-2*um**-1	
	μW/cm**2/μm	The abbreviated unit for Units_of_Spectral_Radiance is μW/cm**2/μm	

unit_id in Units_of_Spectral_Radiance

<i>Name: unit_id</i>			<i>Version Id: 1.0.0.0</i>
<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>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: 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>	
	$W \cdot m^{-2} \cdot s^{-1} \cdot Hz^{-1}$ - *Deprecated*	The abbreviated unit for Units_of_Spectral_Radiance is $W \cdot m^{-2} \cdot sr^{-1} \cdot Hz^{-1}$	
	$W \cdot m^{-2} \cdot sr^{-1} \cdot nm^{-1}$ - *Deprecated*	The abbreviated unit for Units_of_Spectral_Radiance is $W \cdot m^{-2} \cdot sr^{-1} \cdot nm^{-1}$	
	$W \cdot m^{-2} \cdot s^{-1} \cdot \mu m^{-1}$ - *Deprecated*	The abbreviated unit for Units_of_Spectral_Radiance is $W \cdot m^{-2} \cdot sr^{-1} \cdot \mu m^{-1}$	
	$W \cdot m^{-3} \cdot sr^{-1}$ - *Deprecated*	The abbreviated unit for Units_of_Spectral_Radiance is $W \cdot m^{-3} \cdot sr^{-1}$	
	$W/m^2/sr/Hz$	The abbreviated unit of Units_of_Spectral_Radiance is $W/m^2/sr/Hz$	
	$W/m^2/sr/nm$	The abbreviated unit of Units_of_Spectral_Radiance is $W/m^2/sr/nm$	
	$W/m^2/sr/\mu m$	The abbreviated unit for Units_of_Spectral_Radiance is $W/m^2/sr/\mu m$	
	$W/m^3/sr$	The abbreviated unit of Units_of_Spectral_Radiance is $W/m^3/sr$	
	$\mu W \cdot cm^{-2} \cdot s^{-1} \cdot \mu m^{-1}$ - *Deprecated*	The abbreviated unit for Units_of_Spectral_Radiance is $\mu W \cdot cm^{-2} \cdot sr^{-1} \cdot \mu m^{-1}$	
	$\mu W/cm^2/sr/\mu m$	The abbreviated unit for Units_of_Spectral_Radiance is $\mu W/cm^2/sr/\mu m$	

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.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> Units_of_Storage	<i>Type:</i> UTF8_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> ID	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	byte	The abbreviated unit of Units_of_Storage is byte	

unit_id in Units_of_Temperature

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_Temperature	<i>Type:</i> UTF8_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> ID	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	K	The abbreviated unit of Units_of_Temperature is K	
	degC	The abbreviated unit of Units_of_Temperature is degC	

unit_id in Units_of_Time

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
Description: 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_Velocity	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	
	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
Description: 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_Voltage	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	
	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
Description: 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_Volume	Type: UTF8_Short_String_Collapsed
Minimum Value: None	Maximum Value: None	Minimum Characters: 1	Maximum Characters: 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> 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>	
	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>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</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: unit_of_measure_type		Version Id: 1.0.0.0
<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_Energy	The attribute being defined uses one of the values of unit_id listed in class Units_of_Energy
	Units_of_Force	The value is given in a unit which conveys force
	Units_of_Frame_Rate	The attribute being defined uses one of the values of unit_id listed in class Units_of_Frame_Rate
	Units_of_Frequency	The attribute being defined uses one of the values of unit_id listed in class Units_of_Frequency
	Units_of_Gmass	The value is given in a unit which conveys Gmass
	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_Resolution_Map	The attribute being defined uses one of the values of unit_id listed in class Units_of_Pixel_Resolution_Map

Name: unit_of_measure_type		Version Id: 1.0.0.0
	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_Pixel_Scale_Map	The attribute being defined uses one of the values of unit_id listed in class Units_of_Pixel_Scale_Map
	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
	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.	

Name: unit_of_measure_type			Version Id: 1.0.0.0
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> DD_Value_Domain_Full	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Type	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	Units_of_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_Energy	The attribute being defined uses one of the values of unit_id listed in class Units_of_Energy	
	Units_of_Force	The value is given in a unit which conveys force	
	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_Gmass	The value is given in a unit which conveys Gmass	
	Units_of_Length	The value is given in a unit which conveys length	
	Units_of_Map_Scale	The value is given in a unit which conveys map scale	
	Units_of_Mass	The value is given in a unit which conveys mass	
	Units_of_Misc	The value is given in a unit which is in a miscellaneous category	
	Units_of_None	The value is given without regard to a unit of measure	
	Units_of_Optical_Path_Length	The value is given in a unit which conveys optical path length	
	Units_of_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	

Name: unit_of_measure_type		Version Id: 1.0.0.0
	Units_of_Pixel_Resolution_Map	The attribute being defined uses one of the values of unit_id listed in class Units_of_Pixel_Resolution_Map
	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_Pixel_Scale_Map	The attribute being defined uses one of the values of unit_id listed in class Units_of_Pixel_Scale_Map
	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

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

Name: unknown_constant			Version Id: 1.0.0.0
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		

update_purpose in Update *Deprecated* *Deprecated*

Name: update_purpose *Deprecated*			Version Id: 1.0.0.0
Description: The update purpose attribute indicates the intended objective of this update.			
Namespace Id: pds	Steward: pds	Class Name: Update *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: Deprecated	Nillable: false	Pattern: None	
Permissible Value(s)	Value	Value Meaning	
	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
Description: The url attribute provides a Uniform Resource Identifier (URI) that specifies where a resource is available and the mechanism for retrieving it.			
Namespace Id: pds	Steward: ops	Class Name: External_Reference_Extended	Type: ASCII_AnyURI
Minimum Value: None	Maximum Value: None	Minimum Characters: None	Maximum Characters: None
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: None	Conceptual Domain: None
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

url in Resource

Name: url			Version Id: 1.0.0.0
Description: The url attribute provides a Uniform Resource Identifier (URI) that specifies where a resource is available and the mechanism for retrieving it.			
Namespace Id: pds	Steward: pds	Class Name: Resource	Type: ASCII_AnyURI
Minimum Value: None	Maximum Value: None	Minimum Characters: None	Maximum Characters: None

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

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

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.			
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: Minimum	Conceptual Domain: None
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

validation_format in Field_Character

Name: validation_format			Version Id: 1.0.0.0
<i>Description:</i> The validation_format attribute gives the magnitude and precision of the data value with the expectation that both will be validated exactly. A subset of the standard POSIX string formats is allowed. See the PDS Standards Reference section "Field Formats" for details.			
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: None	Conceptual Domain: None
Status: Active	Nillable: false	Pattern: %[\+, -]?[0-9]+(\.([0-9]+))?[doxfeEs]	
Permissible Value(s)	No Values		

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.			
Namespace Id: pds	Steward: ops	Class Name: DD_Permissible_Value	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		

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
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</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> Val- ue	<i>Conceptual Domain:</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.			

Name: value_begin_date			Version Id: 1.0.0.0
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> DD_Permissible_Value_Full	<i>Type:</i> ASCII_Date_Time_YMD
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Time	<i>Conceptual Domain:</i> Time
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

value_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_BibCode	The value is expressed using the data type ASCII_BibCode	
	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	

<i>Name: value_data_type</i>		<i>Version Id: 1.0.0.0</i>
	ASCII_File_Specification_Name	The value is expressed using the data type ASCII_File_Specification_Name
	ASCII_Integer	The value is expressed using the data type ASCII_Integer
	ASCII_LID	The value is expressed using the data type ASCII_LID
	ASCII_LIDVID	The value is expressed using the data type ASCII_LIDVID
	ASCII_LIDVID_LID	The value is expressed using the data type ASCII_LIDVID_LID
	ASCII_MD5_Checksum	The value is expressed using the data type ASCII_MD5_Checksum
	ASCII_NonNegative_Integer	The value is expressed using the data type ASCII_NonNegative_Integer
	ASCII_Numeric_Base16	The value is expressed using the data type ASCII_Numeric_Base16
	ASCII_Numeric_Base2	The value is expressed using the data type ASCII_Numeric_Base2
	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_Collapsed	The value is expressed using the data type UTF8_Text_Collapsed
	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

Name: value_data_type		Version Id: 1.0.0.0
	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
Description: The value_data_type attribute is used in a data dictionary to specify the data type of an attribute's value.			
Namespace Id: pds	Steward: ops	Class Name: DD_Val- ue_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: Type	Conceptual Domain: Short_String
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	Value	Value Meaning	
	ASCII_AnyURI	The value is expressed using the data type ASCII_AnyURI	
	ASCII_BibCode	The value is expressed using the data type ASCII_BibCode	
	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_Specifica- tion_Name	The value is expressed using the data type ASCII_File_Specification_Name	

<i>Name:</i> value_data_type		<i>Version Id:</i> 1.0.0.0
	ASCII_Integer	The value is expressed using the data type ASCII_Integer
	ASCII_LID	The value is expressed using the data type ASCII_LID
	ASCII_LIDVID	The value is expressed using the data type ASCII_LIDVID
	ASCII_LIDVID_LID	The value is expressed using the data type ASCII_LIDVID_LID
	ASCII_MD5_Checksum	The value is expressed using the data type ASCII_MD5_Checksum
	ASCII_NonNegative_Integer	The value is expressed using the data type ASCII_NonNegative_Integer
	ASCII_Numeric_Base16	The value is expressed using the data type ASCII_Numeric_Base16
	ASCII_Numeric_Base2	The value is expressed using the data type ASCII_Numeric_Base2
	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_Collapsed	The value is expressed using the data type UTF8_Text_Collapsed
	UTF8_Text_Preserved	The value is expressed using the data type UTF8_Text_Preserved

value_end_date in DD_Permissible_Value_Full

<i>Name:</i> value_end_date	<i>Version Id:</i> 1.0.0.0
<i>Description:</i> The value_end_date attribute provides the last date on which the permissible value is in effect.	

Name: value_end_date			Version Id: 1.0.0.0
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> DD_Permissible_Value_Full	<i>Type:</i> ASCII_Date_Time_YMD
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Time	<i>Conceptual Domain:</i> Time
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

value_meaning in DD_Permissible_Value

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

Name: value_offset			Version Id: 1.0.0.0
Minimum Value: -1.7976931348623157e30	Maximum Value: 0.87976931348623157e30	Minimum Characters: None	Maximum Characters: None
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: Off-set	Conceptual Domain: Real
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

value_offset in Element_Array

Name: value_offset			Version Id: 1.0.0.0
Description: 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.			
Namespace Id: pds	Steward: pds	Class Name: Element_Array	Type: ASCII_Real
Minimum Value: -1.7976931348623157e30	Maximum Value: 0.87976931348623157e30	Minimum Characters: None	Maximum Characters: None
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: Offset	Conceptual Domain: Real
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

value_offset in Field_Binary

Name: value_offset			Version Id: 1.0.0.0
Description: 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.			
Namespace Id: pds	Steward: pds	Class Name: Field_Binary	Type: ASCII_Real
Minimum Value: -1.7976931348623157e30	Maximum Value: 0.87976931348623157e30	Minimum Characters: None	Maximum Characters: None
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: Offset	Conceptual Domain: Real
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

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> -1.7976931348623157e30	<i>Maximum Value:</i> 0.87976931348623157e30	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None

Name: value_offset			Version Id: 1.0.0.0
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Off-set	<i>Conceptual Domain:</i> Real
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

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> -1.7976931348623157e30	<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> Off-set	<i>Conceptual Domain:</i> Real
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

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_De- limited	<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> Off- set	<i>Conceptual Domain:</i> Real
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

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>Nullable:</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>Nullable:</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>Nullable:</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.			

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

Name: version_id			Version Id: 1.0.0.0
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: ID	Conceptual Domain: Short_String
Status: Active	Niltable: false	Pattern: ([0-9]+)(\.)\{1\}([0-9]+)	
Permissible Value(s)	No Values		

version_id in Service

Name: version_id			Version Id: 1.0.0.0
Description: The version_id attribute provides the version of the product, expressed in the PDS [m.n] notation.			
Namespace Id: pds	Steward: ops	Class Name: Service	Type: ASCII_Short_String_Collapsed
Minimum Value: None	Maximum Value: None	Minimum Characters: 1	Maximum Characters: 255
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: None	Conceptual Domain: None
Status: Active	Niltable: false	Pattern: None	
Permissible Value(s)	No Values		

version_id in Software *Deprecated*

Name: version_id *Deprecated*			Version Id: 1.0.0.0
Description: The version_id attribute provides the version of the product, expressed in the PDS [m.n] notation.			
Namespace Id: pds	Steward: ops	Class Name: Software	Type: ASCII_Short_String_Collapsed
Minimum Value: None	Maximum Value: None	Minimum Characters: 1	Maximum Characters: 255
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: ID	Conceptual Domain: Short_String
Status: Deprecated	Niltable: false	Pattern: ([0-9]+)(\.)\{1\}([0-9]+)	
Permissible Value(s)	No Values		

volume_de_fullname in Volume_PDS3

Name: volume_de_fullname			Version Id: 1.0.0.0
Description: The volume_de_fullname attribute provide the full name of the data engineer.			
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: None	Conceptual Domain: Short_String
Status: Active	Niltable: false	Pattern: None	
Permissible Value(s)	No Values		

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.			
Namespace Id: pds	Steward: ops	Class Name: Volume_Set_PDS3	Type: ASCII_Short_String_Collapsed
Minimum Value: None	Maximum Value: None	Minimum Characters: 1	Maximum Characters: 255
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: Name	Conceptual Domain: Short_String
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

volume_set_id in Volume_PDS3

Name: volume_set_id			Version Id: 1.0.0.0
Description: 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			
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		

volume_set_id in Volume_Set_PDS3

Name: volume_set_id			Version Id: 1.0.0.0
Description: 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			
Namespace Id: pds	Steward: ops	Class Name: Volume_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		

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
Namespace Id: pds	Steward: ops	Class Name: Volume_Set_PDS3	Type: ASCII_Short_String_Collapsed
Minimum Value: None	Maximum Value: None	Minimum Characters: 1	Maximum Characters: 255
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: Name	Conceptual Domain: Short_String
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

volume_size in Volume_PDS3

Name: volume_size			Version Id: 1.0.0.0
Description: The volume size attribute provide the number of bytes in the volume.			
Namespace Id: pds	Steward: ops	Class Name: Volume_PDS3	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: Size	Conceptual Domain: Integer
Status: Active	Nillable: false	Pattern: [0-9]+	
Permissible Value(s)	No Values		

volume_version_id in Volume_PDS3

Name: volume_version_id			Version Id: 1.0.0.0
Description: The volume_version_id attribute identifies the version of a data volume. All original volumes should use a volume_version_id of 'Version 1'.			
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		

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
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		

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.			
Namespace Id: pds	Steward: pds	Class Name: Science_Facets	Type: ASCII_Short_String_Collapsed
Minimum Value: None	Maximum Value: None	Minimum Characters: 1	Maximum Characters: 255
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: None	Conceptual Domain: None
Status: Active	Nillable: true	Pattern: None	
Permissible Value(s)	Value	Value Meaning	
	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
Namespace Id: pds	Steward: pds	Class Name: Vector_Cartesian_3	Type: ASCII_Real
Minimum Value: -1.7976931348623157e30	Maximum Value: 1.7976931348623157e30	Minimum Characters: None	Maximum Characters: None
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: Number	Conceptual Domain: Real
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

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.			
Namespace Id: pds	Steward: ops	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: Type	Conceptual Domain: Short_String
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	Value	Value Meaning	
	xsd:anyURI	ASCII_AnyURI has an XML schema base type of xsd:anyURI	

xml_schema_base_type in ASCII_BibCode

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_BibCode	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_BibCode has an XML schema base type of xsd:string	

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.			

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_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>	
	xsd:string	ASCII_Date_DOY 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.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> ASCII_Date_Time *Deprecated*	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Type	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	xsd:string	ASCII_Date_Time has an XML schema base type of xsd:string	

xml_schema_base_type in ASCII_Date_Time_DOY

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_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>Name:</i> xml_schema_base_type		<i>Version Id:</i> 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>
	xsd:string	ASCII_Date_Time_DOY has an XML schema base type of xsd:string

xml_schema_base_type in ASCII_Date_Time_DOY.UTC

<i>Name:</i> xml_schema_base_type			<i>Version Id:</i> 1.0.0.0
<i>Description:</i> The xml schema base type attribute provides the data type needed for the XML schema implementation.			
<i>Namespace Id:</i> pds	<i>Steward:</i> pds	<i>Class Name:</i> ASCII_Date_Time_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*

<i>Name:</i> xml_schema_base_type			<i>Version Id:</i> 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>	
	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.			
<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>	
	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.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> ASCII_Date_YMD	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Type	<i>Conceptual Domain:</i> Short String

Name: xml_schema_base_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>
	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.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> ASCII_Directory_Path_Name	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Type	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	xsd:token	ASCII_Directory_Path_Name has an XML schema base type of xsd:token	

xml_schema_base_type in ASCII_File_Name

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.		

Name: xml_schema_base_type			Version Id: 1.0.0.0
<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>	

Name: xml_schema_base_type		Version Id: 1.0.0.0
	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
<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: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.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> ASCII_MD5_Checksum	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Type	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	xsd:string	ASCII_MD5_Checksum has an XML schema base type xsd:string	

xml_schema_base_type in ASCII_NonNegative_Integer

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.		

Name: xml_schema_base_type			Version Id: 1.0.0.0
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> ASCII_NonNegative_Integer	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Type	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	xsd: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
<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

Name: xml_schema_base_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>
	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_String_Base_255

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.		

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_String_Base_255	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</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>	
	xsd:string	ASCII_String_Base_255 has an XML schema base type of xsd:string	

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
<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_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.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<i>Class Name:</i> ASCII_Text_Preserved	<i>Type:</i> ASCII_Short_String_Collapsed
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Unit of Measure Type:</i> None	<i>Default Unit Id:</i> None	<i>Attribute Concept:</i> Type	<i>Conceptual Domain:</i> Short_String
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>Value</i>	<i>Value Meaning</i>	
	xsd:string	ASCII_Text_Preserved has an XML schema base type of xsd:token	

xml_schema_base_type in ASCII_Time

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_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>	
	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.			
<i>Namespace Id:</i> pds	<i>Steward:</i> ops	<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> 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</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

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	UTF8_String must be normalized.

xml_schema_base_type in UTF8_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> UTF8_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> 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>	
	xsd:token	UTF8_Text_Collapsed has an XML schema base type of xsd:token	

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	
<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.			
Namespace Id: pds	Steward: pds	Class Name: Vector_Cartesian_3	Type: ASCII_Real

Name: y			Version Id: 1.0.0.0
Minimum Value: -1.7976931348623157e30	Maximum Value: 1.7976931348623157e30	Minimum Characters: None	Maximum Characters: None
Unit of Measure Type: None	Default Unit Id: None	Attribute Concept: Number	Conceptual Domain: Real
Status: Active	Nillable: false	Pattern: None	
Permissible Value(s)	No Values		

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>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> Number	<i>Conceptual Domain:</i> Real
<i>Status:</i> Active	<i>Nillable:</i> false	<i>Pattern:</i> None	
<i>Permissible Value(s)</i>	<i>No Values</i>		

Chapter 6. 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>No Pattern</i>		

ASCII_BibCode

Name: ASCII_BibCode			Version Id: 1.0.0.0
<i>Description</i> The ASCII BibCode class indicates a bibliographic code from the Astrophysics Data System.			
<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}[A-Za-z0-9&\.]{5}[A-Za-z0-9\.]{9}[A-Z\.]		

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>No 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

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>		
	(-)?[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]))		

Name: ASCII_Date_DOY			Version Id: 1.0.0.0
<i>Description</i> The ASCII_Date_DOY class indicates a date in DOY format.			
<i>Schema Base Type:</i> string			
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
	<i>Pattern</i>		
	(-)?[0-9]{4}(Z?)		
	(-)?[0-9]{4}-((00[1-9]) (0[1-9][0-9]) ([1-2][0-9][0-9]) (3((([0-5][0-9]) (6[0-6])))))(Z?)		

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.			
<i>Schema Base Type:</i> string			
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
	<i>Pattern</i>		
	(-)?[0-9]{4}		
	(-)?[0-9]{4}-((00[1-9]) (0[1-9][0-9]) ([1-2][0-9][0-9]) (3((([0-5][0-9]) 6[0-6])))))		
	(-)?[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)?		

Name: ASCII_Date_Time		Version Id: 1.1.0.0
	(-)?[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)((([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)?	
	(-)?[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	
Description The ASCII_Date_Time_DOY class indicates a date in DOY format and time.			
Schema Base Type: string			
Minimum Value: None	Maximum Value: None	Minimum Characters: None	Maximum Characters: None
	Pattern		
	(-)?[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]{1,6}))?(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]{1,6}))?(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.		

Name: ASCII_Date_Time_DOY.UTC			Version Id: 1.0.0.0
<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}-((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]{1,6}))?(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]{1,6}))?(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)		

Name: ASCII_Date_Time_UTC		Version Id: 1.3.0.0
	(-)?[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)	
	(-)?[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: ASCII_Date_Time_YMD		Version Id: 1.1.0.0	
Description The ASCII_Date_Time_YMD class indicates a date in YMD format and time.			
Schema Base Type: string			
Minimum Value: None	Maximum Value: None	Minimum Characters: None	Maximum Characters: None
	Pattern		
	(-)?[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]{1,6}))?(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]{1,6}))?(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
Description The ASCII_Date_Time_YMD_UTC class indicates a date (in YMD format) and time in UTC.			
Schema Base Type: string			
Minimum Value: None	Maximum Value: None	Minimum Characters: None	Maximum Characters: None
	Pattern		
	(-)?[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)		

Name: ASCII_Date_Time_YMD_UTC		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]:((([0-5][0-9]) 60)(\[0-9]{1,6}))?(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]{1,6}))?(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
Description The ASCII_Date_YMD class indicates a date in YMD format.			
Schema Base Type: string			
Minimum Value: None	Maximum Value: None	Minimum Characters: None	Maximum Characters: None
	Pattern		
	(-)?[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

<i>Name:</i> ASCII_Directory_Path_Name			<i>Version Id:</i> 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

<i>Name:</i> ASCII_File_Name			<i>Version Id:</i> 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.	

Name: ASCII_File_Specification_Name			Version Id: 1.1.0.0
Schema Base Type: token			
Minimum Value: None	Maximum Value: None	Minimum Characters: 1	Maximum Characters: 255
	No Pattern		

ASCII_Integer

Name: ASCII_Integer			Version Id: 1.1.0.0
Description The ASCII_Integer class indicates an integer.			
Schema Base Type: long			
Minimum Value: -9223372036854775808	Maximum Value: 9223372036854775807	Minimum Characters: None	Maximum Characters: None
	No Pattern		

ASCII_LID

Name: ASCII_LID			Version Id: 1.1.0.0
Description The ASCII_LID class indicates a logical identifier.			
Schema Base Type: string			
Minimum Value: None	Maximum Value: None	Minimum Characters: 1	Maximum Characters: 255
	Pattern		
	urn(:[p{Ll}\p{Nd}\-. _+]{3,5}		

ASCII_LIDVID

Name: ASCII_LIDVID			Version Id: 1.1.0.0
Description The ASCII_LIDVID class indicates a logical identifier and version identifier.			
Schema Base Type: string			
Minimum Value: None	Maximum Value: None	Minimum Characters: 1	Maximum Characters: 255
	Pattern		
	urn(:[p{Ll}\p{Nd}\-. _+]{3,5}::\p{Nd}+\.\p{Nd}+		

ASCII_LIDVID_LID

Name: ASCII_LIDVID_LID			Version Id: 1.1.0.0
Description The ASCII_LIDVID_LID class indicates a logical identifier and version identifier or simply the logical identifier.			
Schema Base Type: string			

Name: ASCII_LIDVID_LID			Version Id: 1.1.0.0
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>Pattern</i>			
urn(:[\p{Ll}\p{Nd}\-._+]{3,5}(:\p{Nd}+\.\p{Nd}+)?)			

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

Name: ASCII_Local_Identifier_Reference			Version Id: 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>No Pattern</i>			

ASCII_MD5_Checksum

Name: ASCII_MD5_Checksum			Version Id: 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

Name: ASCII_NonNegative_Integer			Version Id: 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

Name: ASCII_NonNegative_Integer		Version Id: 1.0.0.0
	<i>Pattern</i>	
	[0-9]+	

ASCII_Numeric_Base16

Name: ASCII_Numeric_Base16			Version Id: 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>No 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.		

Name: ASCII_Real			Version Id: 1.0.0.0
Schema Base Type:			
double			
Minimum Value:	Maximum Value:	Minimum Characters:	Maximum Characters:
-1.7976931348623157e308	1.7976931348623157e308	None	None
	Pattern		
	(\+ -)?([0-9]+(\.[0-9]*)?) \.[0-9]+([Ee](\+ -)?[0-9]+)?		
	[^a FIN,]*		

ASCII_Short_String_Collapsed

Name: ASCII_Short_String_Collapsed			Version Id: 1.0.0.0
Description The ASCII_Short_String_Collapsed class indicates a limited length, whitespace-collapsed string.			
Schema Base Type:			
token			
Minimum Value:	Maximum Value:	Minimum Characters:	Maximum Characters:
None	None	1	255
	No Pattern		

ASCII_Short_String_Preserved

Name: ASCII_Short_String_Preserved			Version Id: 1.0.0.0
Description The ASCII_Short_String_Preserved class indicates a limited length, whitespace-preserved string.			
Schema Base Type:			
string			
Minimum Value:	Maximum Value:	Minimum Characters:	Maximum Characters:
None	None	1	255
	No Pattern		

ASCII_String

Name: ASCII_String			Version Id: 1.0.0.0
Description The ASCII_String class indicates a limited length ASCII text string with whitespaces removed.			
Schema Base Type:			
token			
Minimum Value:	Maximum Value:	Minimum Characters:	Maximum Characters:
None	None	1	None
	No Pattern		

ASCII_String_Base_255

Name: ASCII_String_Base_255			Version Id: 1.0.0.0
Description The ASCII_String_Base_255 class provides a base class for a 255 character ASCII string.			

Name: ASCII_String_Base_255			Version Id: 1.0.0.0
Schema Base Type: string			
Minimum Value: None	Maximum Value: None	Minimum Characters: 1	Maximum Characters: 255
	No Pattern		

ASCII_Text_Collapsed

Name: ASCII_Text_Collapsed			Version Id: 1.0.0.0
Description The ASCII_Text_Collapsed class indicates an unlimited length, whitespace-collapsed text string.			
Schema Base Type: to- ken			
Minimum Value: None	Maximum Value: None	Minimum Characters: 1	Maximum Characters: None
	No Pattern		

ASCII_Text_Preserved

Name: ASCII_Text_Preserved			Version Id: 1.0.0.0
Description The ASCII_Text_Preserved class indicates an unlimited length, whitespace-preserved text string.			
Schema Base Type: string			
Minimum Value: None	Maximum Value: None	Minimum Characters: 1	Maximum Characters: None
	No Pattern		

ASCII_Time

Name: ASCII_Time			Version Id: 1.1.0.0
Description The ASCII_Time class indicates a time value.			
Schema Base Type: string			
Minimum Value: None	Maximum Value: None	Minimum Characters: None	Maximum Characters: None
	Pattern		
	((([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(\.[0-9]+)))(Z?)		

ASCII_VID

Name: ASCII_VID			Version Id: 1.1.0.0
Description The ASCII_VID class indicates a version identifier.			

Name: ASCII_VID			Version Id: 1.1.0.0
Schema Base Type: string			
Minimum Value: None	Maximum Value: None	Minimum Characters: 3	Maximum Characters: 100
	Pattern		
	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
Description The Binary Data Type class is the abstract parent class for binary data types found in the digital objects.			
Schema Base Type: None			
Minimum Value: None	Maximum Value: None	Minimum Characters: None	Maximum Characters: None
	No Pattern		

Character_Data_Type

Name: Character_Data_Type			Version Id: 1.0.0.0
Description 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.			
Schema Base Type: None			
Minimum Value: None	Maximum Value: None	Minimum Characters: None	Maximum Characters: None
	No Pattern		

Complex

Name: Complex			Version Id: 1.0.0.0
Description Complex Binary Data Types			
Schema Base Type: None			
Minimum Value: None	Maximum Value: None	Minimum Characters: None	Maximum Characters: None
	No Pattern		

ComplexLSB16

Name: ComplexLSB16			Version Id: 1.0.0.0
Description Complex number consisting of two LSB 8 byte decimal reals.			

Name: ComplexLSB16			Version Id: 1.0.0.0
Schema Base Type: None			
Minimum Value: None	Maximum Value: None	Minimum Characters: None	Maximum Characters: None
	No Pattern		

ComplexLSB8

Name: ComplexLSB8			Version Id: 1.0.0.0
Description Complex number consisting of two LSB 4 byte decimal reals.			
Schema Base Type: None			
Minimum Value: None	Maximum Value: None	Minimum Characters: None	Maximum Characters: None
	No Pattern		

ComplexMSB16

Name: ComplexMSB16			Version Id: 1.0.0.0
Description Complex number consisting of two MSB 8 byte decimal reals.			
Schema Base Type: None			
Minimum Value: None	Maximum Value: None	Minimum Characters: None	Maximum Characters: None
	No Pattern		

ComplexMSB8

Name: ComplexMSB8			Version Id: 1.0.0.0
Description Complex number consisting of two MSB 4 byte decimal reals.			
Schema Base Type: None			
Minimum Value: None	Maximum Value: None	Minimum Characters: None	Maximum Characters: None
	No Pattern		

Data_Type

Name: Data_Type			Version Id: 1.0.0.0
Description The Data Type class is the abstract parent class for several classes of data types.			
Schema Base Type: None			
Minimum Value: None	Maximum Value: None	Minimum Characters: None	Maximum Characters: None
	No Pattern		

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			
<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			

Name: IEEE754MSBDouble			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>			

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			
<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
<i>Description</i> Signed 2's-complement MSB 4-byte integer			
<i>Schema Base Type:</i> None			
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> None	<i>Maximum Characters:</i> None
		<i>No Pattern</i>	

SignedMSB8

Name: SignedMSB8			Version Id: 1.0.0.0
<i>Description</i> Signed 2's-complement MSB 8-byte integer			
<i>Schema Base Type:</i> None			

Name: SignedMSB8			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>			

UTF8_Short_String_Collapsed

Name: UTF8_Short_String_Collapsed			Version Id: 1.0.0.0
<i>Description</i> The UTF8_Short_String_Collapsed class indicates a limited length, whitespace-collapsed string constrained to the UTF-8 character encoding.			
<i>Schema Base Type:</i> token			
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>No Pattern</i>			

UTF8_Short_String_Preserved

Name: UTF8_Short_String_Preserved			Version Id: 1.0.0.0
<i>Description</i> The UTF8_Short_String_Preserved class indicates a limited length, whitespace-preserved string constrained to the UTF-8 character encoding.			
<i>Schema Base Type:</i> string			
<i>Minimum Value:</i> None	<i>Maximum Value:</i> None	<i>Minimum Characters:</i> 1	<i>Maximum Characters:</i> 255
<i>No Pattern</i>			

UTF8_String

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>Maximum Characters:</i> None
<i>No Pattern</i>			

UTF8_Text_Collapsed

Name: UTF8_Text_Collapsed			Version Id: 1.0.0.0
<i>Description</i> The UTF8_Text_Collapsed class indicates an unlimited length, whitespace-collapsed text 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> None

Name: UTF8_Text_Collapsed		Version Id: 1.0.0.0
	<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>Maximum Characters:</i> None
	<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>Maximum 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>Maximum 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			
<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			

Data Types in the
common namespace.

<i>Name: UnsignedMSB8</i>			<i>Version Id: 1.0.0.0</i>
<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 7. 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
	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_Energy

Name: Units_of_Energy		Version Id: 1.0.0.0
<i>Description:</i> Units_of_Energy is a magnitude of energy.		
	<i>Unit Id</i>	
	J	The abbreviated unit for joules in Units_of_Energy.
	MeV	The abbreviated unit for megaelectronvolts in Units_of_Energy.
	eV	The abbreviated unit for electronvolts in Units_of_Energy.
	keV	The abbreviated unit for kiloelectronvolts in Units_of_Energy.

Units_of_Force

Name: Units_of_Force		Version Id: 1.0.0.0
<i>Description:</i> Units_of_Force is a magnitude of force.		

Name: Units_of_Force		Version Id: 1.0.0.0
	<i>Unit Id</i>	
	N	The abbreviated unit for newtons in Units_of_Force.

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>	
	GHz	The abbreviated unit for Units_of_Frequency (10 ⁹ Hz)
	Hz	The abbreviated unit for Units_of_Frequency (Hertz)
	MHz	The abbreviated unit for Units_of_Frequency (10 ⁶ Hz)
	THz	The abbreviated unit for Units_of_Frequency (10 ¹² Hz)
	kHz	The abbreviated unit for Units_of_Frequency (10 ³ Hz)
	mHz	The abbreviated unit for Units_of_Frequency (1/10 ³ Hz)

Units_of_Gmass

Name: Units_of_Gmass		Version Id: 1.0.0.0
<i>Description:</i> Units_of_Gmass is a product of the universal gravitational constant and the mass of one specified body		
	<i>Unit Id</i>	
	km**3s**-2	Units_of_Gmass maximum, minimum, and permissible values are given in the units km**3s**-2.

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>	

Name: Units_of_Length		Version Id: 1.0.0.0
	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.		
	<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>	
	HA/pixel	The abbreviated unit for Units_of_Pixel_Resolution_Angular is HA/pixel when the angular measurement is given in units of hour angle.
	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 a 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).		
	<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>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.		
	<i>Unit Id</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

Units_of_Pixel_Scale_Angular

Name: Units_of_Pixel_Scale_Angular		Version Id: 1.0.0.0
<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).		
	<i>Unit Id</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

Units_of_Pixel_Scale_Linear

Name: Units_of_Pixel_Scale_Linear		Version Id: 1.0.0.0
<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 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>	
	$\text{W}\cdot\text{m}^{-2}\cdot\text{sr}^{-1}$	The abbreviated unit of Units_of_Radiance is $\text{W}\cdot\text{m}^{-2}\cdot\text{sr}^{-1}$
	$\text{W}/(\text{m}^2\cdot\text{sr})$	The abbreviated unit of Units_of_Radiance is $\text{W}/(\text{m}^2\cdot\text{sr})$

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
	$\text{W}\cdot\text{m}^{-2}\cdot\text{Hz}^{-1}$	The abbreviated unit for Units_of_Spectral_Irradiance is $\text{W}\cdot\text{m}^{-2}\cdot\text{Hz}^{-1}$
	$\text{W}\cdot\text{m}^{-2}\cdot\text{nm}^{-1}$	The abbreviated unit for Units_of_Spectral_Irradiance is $\text{W}\cdot\text{m}^{-2}\cdot\text{nm}^{-1}$
	$\text{W}\cdot\text{m}^{-3}$	The abbreviated unit for Units_of_Spectral_Irradiance is $\text{W}\cdot\text{m}^{-3}$
	$\text{W}/\text{m}^2/\text{Hz}$	The abbreviated unit of Units_of_Spectral_Irradiance is $\text{W}/\text{m}^2/\text{Hz}$
	$\text{W}/\text{m}^2/\text{nm}$	The abbreviated unit of Units_of_Spectral_Irradiance is $\text{W}/\text{m}^2/\text{nm}$
	W/m^3	The abbreviated unit of Units_of_Spectral_Irradiance is W/m^3
	$\mu\text{W}\cdot\text{cm}^{-2}\cdot\mu\text{m}^{-1}$	The abbreviated unit for Units_of_Spectral_Irradiance is $\mu\text{W}\cdot\text{cm}^{-2}\cdot\mu\text{m}^{-1}$
	$\mu\text{W}/\text{cm}^2/\mu\text{m}$	The abbreviated unit for Units_of_Spectral_Irradiance is $\mu\text{W}/\text{cm}^2/\mu\text{m}$

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>	
	$\text{W}\cdot\text{m}^{-2}\cdot\text{s}^{-1}\cdot\text{Hz}^{-1}$	The abbreviated unit for Units_of_Spectral_Radiance is $\text{W}\cdot\text{m}^{-2}\cdot\text{sr}^{-1}\cdot\text{Hz}^{-1}$
	$\text{W}\cdot\text{m}^{-2}\cdot\text{sr}^{-1}\cdot\text{nm}^{-1}$	The abbreviated unit for Units_of_Spectral_Radiance is $\text{W}\cdot\text{m}^{-2}\cdot\text{sr}^{-1}\cdot\text{nm}^{-1}$
	$\text{W}\cdot\text{m}^{-2}\cdot\text{s}^{-1}\cdot\mu\text{m}^{-1}$	The abbreviated unit for Units_of_Spectral_Radiance is $\text{W}\cdot\text{m}^{-2}\cdot\text{sr}^{-1}\cdot\mu\text{m}^{-1}$
	$\text{W}\cdot\text{m}^{-3}\cdot\text{sr}^{-1}$	The abbreviated unit for Units_of_Spectral_Radiance is $\text{W}\cdot\text{m}^{-3}\cdot\text{sr}^{-1}$

Name: Units_of_Spectral_Radiance		Version Id: 1.0.0.0
	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*s-r**-1*um**-1	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

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
	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.		
	<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>Description:</i> Units_of_Wavenumber is the number of waves that occur per unit distance, i.e., inverse length		
	<i>Unit Id</i>	
	1/cm	The abbreviated unit of Units_of_Wavenumber is 1/cm
	1/m	The abbreviated unit of Units_of_Wavenumber is 1/m
	1/nm	The abbreviated unit of Units_of_Wavenumber is 1/nm
	cm**-1	The abbreviated unit for Units_of_Wavenumber is cm**-1
	m**-1	The abbreviated unit for Units_of_Wavenumber is m**-1

<i>Name:</i> Units_of_Wavenumber		<i>Version Id:</i> 1.0.0.0
	nm**-1	The abbreviated unit for Units_of_Wavenumber is nm**-1