

B. CIP Tag Sets

This appendix forms an integral part of the CIP specification.

Table B-1 contains the definitions of the *elements* contained in the CIP *tag set*. Each *element* is assigned a *tag value* within the *tag type* is assigned to the particular *element*¹.

Table B-1: CIP Elements

Tag Type	Value	Ver	Name	SUTRS Tag	Short Meaning	Value	Valid	Meaning
						Syntax	Source	
4	62	1.2	Abstract	abstract	Abstract	STRING	X	A brief narrative summary of the content of an item.
4	2004	1.2	AccessConstraints	accscons	Access Constraints	STRING	X	Restrictions and legal prerequisites for accessing the data. These include any access constraints applied to assure the protection of privacy or intellectual property, and any special restrictions or limitations on obtaining the data. If no constraint is imposed, the special value 'none' shall be included.
4	4000	2.1	Acquisition	acquistn	Acquisition	compound	X	Information about the acquisition of the data.
4	4001	2.1	AcquisitionStation	acquistn	Acquisition Station	ENUM	X	Identifier of the station, which will or has received the data.
4	4002	2.1	AcquisitionStatus	acquistn	Acquisition Status	ENUM	X	Status of the acquisition, e.g. 'acquired', 'planned', etc.
4	3006	2.2	Address	address	Address	compound	X	Address information.
4	4003	2.1	AlgorithmPackageName	algpcknm	Algorithm Package Name	STRING	X	Name given to the complete delivered package.
4	3468	2.1	AltitudeDatumName	altdatum	Altitude Datum Name	REAL	X	The identification given to the level surface taken as the surface of reference from which altitudes are measured.
4	3469	2.1	AltitudeResolution	altres	Altitude Resolution	REAL	X	The minimum distance possible between two adjacent altitude values, expressed in meters.
4	3467	2.1	AltitudeSystem	altsys	Altitude System	compound	X	The reference frame or system from which altitudes (elevations) are measured.

¹ The DEDSL Value Syntaxes indicated in the table are matched to ASN.1 data types as follows: **STRING** = **InternationalString**, **TIME** = **InternationalString**, **INTEGER** = **INTEGER** and **REAL** = **InternationalString**. When applicable, the format of the ASN.1 InternationalString type shall be formatted according to the appropriate ISO standard^{[DEDSL][TIME]}.

Tag	Ver	Name	SUTRS Tag	Short Meaning	Value	Valid	Meaning	
Type	Value				Syntax	Source		
4	4004	1.2	ArchivingCentreId	arcentid	Archiving Centre Identifier	ENUM	O	Unique code for the agency/data centre holding the data. Several copies of a single product can exist and each archive will be listed as a possible source of that product.
4	4005	2.3	AttributeSetId	attsetid	Attribute Set Identifier	STRING	X	Identification of an attribute set in which local attributes are defined.
4	4006	1.2	Authoritative	authtv	Authoritative	STRING	X	Item descriptor identifier of the authoritative collection or product.
4	4007	2.3	Band	band	Band	compound	X	Information related to a band.
4	4008	2.3	BandId	bandid	Band Identifier	INTEGER	X	Identifier of a band.
4	4009	2.1	BandMode	bandmode	Band Mode	ENUM	X	Set of flags describing the status of activity of each band (active or not active).
4	2060	1.2	BoundingRectangle	bounding	Bounding Rectangle	compound	X	The limits of coverage of a item descriptor expressed by latitude and longitude values in the order western-most, eastern-most, northern-most, and southern-most. For item descriptors that include a complete band of latitude around the earth, the West Bounding Coordinate shall be assigned the value -180.0, and the East Bounding Coordinate shall be assigned the value 180.0.
4	3137	1.2	Browse	browse	Browse Information	compound	X	A graphic that provides an illustration of the item descriptor.
4	4010	2.1	BrowseCompression	brscprs	Browse Compression	ENUM	X	Description of the method used for compression of the browse data.
4	4011	2.1	BrowseData	browsdat	BrowseData	compound	X	The browse itself or a reference where the browse can be retrieved.
4	4012	2.1	BrowseDeliveryOptions	brsdelop	Browse Delivery Options	compound	X	Description of the options in which browse data can be delivered on-line, e.g. the format and the size of the browse data.
4	3140	1.2	BrowseFormat	brsformt	Browse Format	ENUM	X	Format of the browse data, e.g. GIF.
4	4013	1.2	BrowseId	browseid	Browse Identifier	STRING	X	Identifier of a browse.
4	4014	2.1	BrowseRetrievalOptions	brsretop	Browse Retrieval Options	compound	X	Description of the browse retrieval options available for users dependent on the user group they belong to.
4	4015	2.1	BrowseServiceOptions	brservop	Browse Service Options	compound	X	A listing of all the service options available for the browse data..
4	4016	1.3	CatalogueId	catlogid	Catalogue Identifier	STRING	X	Identifier of the catalogue system from which the product descriptors included in the provider archive collection originate.
4	4017	1.2	Circle	circle	Circle	compound	X	Circle on the surface of the Earth.
4	2026	1.2	City	city	City	STRING	X	The city of the address.
4	4018	1.3	CollectionCategory	colcat	Collection Category	ENUM	O	Category of a collection.
4	4019	1.2	CollectionDescriptor	coldesc	Collection Descriptor	compound	X	Information about a collection.

Tag Type	Value	Ver	Name	SUTRS Tag	Short Meaning	Value Syntax	Valid Source	Meaning
4	4020	1.3	CollectionHierarchyCategory	colhicat	Collection Hierarchy Category	ENUM	O	Category of the hierarchy.
4	4021	1.3	CollectionHierarchyPosition	colhipos	Collection Hierarchy Position	ENUM	O	Position of the collection in the collection hierarchy, i.e. 'terminal' or 'non-terminal'.
4	4022	1.2	CollectionType	coltype	Collection Type	compound	X	Type of a collection.
4	3000	1.2	Contact	contact	Contact Information	compound	X	Contact details.
4	2029	1.2	Country	country	Country	ENUM	X	The country of the address.
4	4023	1.2	CreationDate	create	Creation Date	TIME	X	Date at which the data was created.
4	4024	1.3	DataCentre	datcent	DataCentre	compound	X	Information regarding the data centre which distributes the data.
4	4025	1.2	DataCentreName	datcenam	Data Centre Name	ENUM	O	The data centre name is composed of both short and long versions in the same manner as short and long sensor and data source names.
4	4026	1.2	DataOriginator	datorign	Data Originator	compound	X	Information about the originator of the data.
4	4027	1.2	DeliveredAlgorithmPackage	delvalgp	Delivered Algorithm Package	compound	X	A software package associated to a specific product collection, e.g. to be used to manipulate the data products of this particular collection.
4	3473	2.1	DepthDatumName	depthdn	Depth Datum Name	REAL	X	The identification given to surface of reference from which depths are measured.
4	3474	2.1	DepthResolution	depthres	Depth Resolution	REAL	X	The minimum distance possible between two adjacent depth values, expressed in meters.
4	3472	2.1	DepthSystem	depthsys	Depth System	compound	X	Information describing the depth system used.
4	4028	1.2	DocumentPointer	docpoint	Document Pointer	STRING	X	Provides a pointer to a document which provides information relating to the data. The pointer may be a reference number or URL.
4	2039	1.2	EastBoundingCoordinate	eastbc	East Bounding Coordinate	REAL	X	Easternmost longitude covered.
4	4029	2.3	ElevationMaximum	elevmax	Elevation Maximum	REAL	X	Highest elevation contained in the data (in meters).
4	4030	2.3	ElevationMinimum	elevmin	Elevation Minimum	REAL	X	Lowest elevation contained in the data (in meters).
4	2030	1.2	EmailAddress	emailadr	E-mail Address	STRING	X	The address of the electronic mailbox of the organisation or individual.
4	2073	1.2	EndDate	enddate	End Date	TIME	X	Latest date of the temporal coverage.

Tag	Ver	Name	SUTRS Tag	Short Meaning	Value	Valid	Meaning	
Type	Value				Syntax	Source		
4	3101	1.2	ExternalPublicationCitation	extcitan	Citation for External Publication	STRING	X	The recommended reference to be used when referring to this collection in publications. Its format is free text, but should include: Originator (the name of an organisation or individual that developed the collection, where Editor(s)' names are followed by (ed.) and Compiler(s)' names are followed by (comp.)); Publication date (the date of publication or release of the collection); and Title.
4	2033	1.2	FaxNumber	faxnum	Fax Number	STRING	X	The telephone number of a facsimile machine of the organisation or individual.
4	4031	2.4	FormattedProductProcessingOption	frdprsop	Formatted Product Processing Option	compound	X	Identifies a single processing option and describes the allowed value selections (e.g. 'channel selection', 'correction algorithm', 'digital terrain model to be used'). The detailed definition for FormattedProductProcessingOption will be provided in [ORD].
4	4032	2.4	FormattedSceneSelectionOption	fscselo	Formatted Scene Selection Option	compound	X	Identifies a single scene selection option and describes the allowed value selections. The detailed definition for FormattedSceneSelectionOption will be provided in [ORD].
4	4033	2.1	Frame	frame	Frame	INTEGER	X	Frame number.
4	3703	1.2	FutureReviewDate	futurevdt	Future Review Date	TIME	X	This date, suggested by the author, indicates a time at which the collection should be reviewed for technical content.
4	2058	1.2	GeneralKeyword	genkeywd	General Keyword	STRING	X	This element provides the capability of entering general keywords that are not found in the theme, temporal or spatial keywords. It could be used, for example, to specify fine resolution location words or more specific discipline-dependent words or phenomena. For example, 'Lightening'. In comparison to the other keywords, the general keywords are uncontrolled.
4	3402	2.1	GeographicSystem	geosystem	Geographic System	compound	X	The quantities of latitude and longitude which define the position of a point on the Earth's surface with respect to a reference spheroid.
4	3805	2.3	GeospatialForm	geoform	Geospatial Form	ENUM	O	A characterisation of the type of product, e.g. satellite image or map.
4	3116	1.2	GPolygon	gpolygon	G Polygon	compound	X	Coordinates defining the outline of the area covered by the data.
4	3120	1.2	GPolygonExclusionGRing	gpolexrg	G Polygon Exclusion G Ring	compound	X	The closed non-intersecting boundary of a void area (or 'hole') in an interior area.
4	3117	1.2	GPolygonOuterGRing	gpolourg	G Polygon Outer G Ring	compound	X	The closed non-intersecting boundary of the interior area of the data spatial coverage.

Tag Type	Value	Ver	Name	SUTRS Tag	Short Meaning	Value Syntax	Valid Source	Meaning
4	3432	2.1	GridCoordinateSystem	gridsys	Grid Coordinate System	compound	X	A plane-rectangular coordinate system usually based on, and mathematically adjusted to, a map projection so that geographic positions can be readily transformed to and from plane coordinates.
4	4034	2.3	GridCoordinateSystemDescription	gridcsds	Grid Coordinate System Description	STRING	X	A textual description of the grid coordinate system used. It describes important parameters, such as zone numbers or identifiers. The use of a "Parameter = Value" syntax for describing the parameters and their associated values is advised.
4	3433	2.2	GridCoordinateSystemName	gridsysn	Grid Coordinate System Name	ENUM	X	Name of the grid coordinate system. A controlled list of grid coordinate system names is supported for the CIP.
4	4035	2.1	GroupId	groupid	Group Identifier	ENUM	O	Identification of the user groups having access to specific options, e.g. for product order options may differ for each user group.
4	3401	2.1	HorizontalCoordinateSystem	horizsys	Horizontal Coordinate System	compound	X	The reference frame or system from which linear or angular quantities are measured and assigned to the position that a point occupies.
4	2013	1.2	HoursOfService	hours	Hours of Service	STRING	X	Identifies the hours of service of an organisation serving as the point of contact.
4	4036	1.2	IncludedCollectionDescriptors	inclcds	Included Collection Descriptors	compound	X	Collection descriptors (registered or unregistered) that are included as members of a collection.
4	4037	1.2	IncludedItemDescriptors	inclitds	Included Item Descriptors	compound	X	Item Descriptors (either collection descriptors or product descriptors only) that are included as members of a collection..
4	4038	1.2	IncludedProductDescriptors	inclprds	Included Product Descriptors	compound	X	Product descriptors that are included as members of a collection.
4	3018	1.2	Instructions	instrcts	Instructions	STRING	X	Supplemental instructions on how or when to contact the individual or organisation.
4	4039	2.1	InstrumentSensor	sensor	Sensor/Instrument	compound	X	Information related to the sensor/instrument such as name and sensor modes. The sensor/instrument is the hardware used to acquire the data.
4	4040	1.2	ItemData	itemdata	Item Data	EXTERNAL	X	Actual data , i.e. a byte stream of binary data of which an item is composed.
4	4041	2.1	ItemDeliveryMethod	itdelmtd	Item Delivery Method	ENUM	O	The method by which an item is delivered.
4	12	1.2	ItemDescriptorId	itemid	Item Descriptor Identifier	STRING	X	Unique identifier used by the data system or data producer to distinguish a collection or product from all others owned by a single Retrieval Manager. This identifier is also used to refer to the members of a collection, which might be collection or product descriptors.
4	4042		ItemDescriptorLanguage	itdslang	Item Descriptor Language	ENUM	O	The language in which the item descriptor is defined.

Tag	Ver	Name	SUTRS Tag	Short Meaning	Value	Valid	Meaning	
Type	Value				Syntax	Source		
4	4043	2.3	ItemDescriptorLongName	itemlnam	Item Descriptor LongName	STRING	X	Long name of an item descriptor. This is the reference name used in describing the scientific contents of the data collection, not the identifier of the data collection.
4	4	1.2	ItemDescriptorName	itemname	Item Descriptor Name	STRING	X	Short name of an item descriptor. This element is meant as a human-readable form of the ItemDescriptorId. ²
4	4044	2.3	ItemLanguage	itemlang	Item Language	ENUM	O	The language in which any textual information within the deliverable item is defined.
4	3614	1.2	ItemSize	itemsiz	Item Size	REAL	X	Size of an item in megabytes.
4	3005	1.2	JobPosition	jobpos	Job Position	STRING	X	The name of the position that the person holds within the organisation.
4	3121	1.2	Keywords	keywords	Keywords	compound	X	Keywords related to the collection.
4	3118	1.2	Latitude	latitude	Latitude	REAL	X	The latitude of a point.
4	3403	2.1	LatitudeResolution	latres	Latitude Resolution	STRING	X	The minimum difference between two adjacent latitude values in km.
4	4045	2.3	LocalAttribute	localatt	Local Attribute	compound	X	The complete definition for a local attribute.
4	4046	2.3	LocalAttributeId	locattid	Local Attribute Identifier	INTEGER	X	Uniquely identifies a local attribute within the local attribute set in which the local attribute is defined.
4	4047	2.3	LocalAttributeMeaning	locattmn	Local Attribute Meaning	STRING	X	Meaning of a local attribute.
4	4048	2.3	LocalAttributeName	locattnm	Local Attribute Name	STRING	X	Name of a local attribute.
4	4049	2.3	LocalAttributeShortMeaning	locasmn	Local Attribute Short Meaning	STRING	X	Short meaning of a local attribute.
4	4050	2.3	LocalAttributeStructure	locatstr	Local Attribute Structure	compound	X	Identifies the type of a local attribute (i.e. the Structure attribute) which must be used in queries regarding the local attribute.
4	4051	2.3	LocalAttributeValueSyntax	locatvsx	Local Attribute Value Syntax	ENUM	X	Value syntax (i.e. type) of a local attribute. The value syntax of a local attribute must may be "STRING", "INTEGER", "REAL", "ENUM" or "TIME".
4	4052	1.3	Locality	locality	Locality	compound	X	Locality information.

² At the moment, the 'ItemDescriptorName' *element* is only used to provide a short name for collections. However, it is anticipated that other ItemDescriptor types may also require a name, and therefore this *element* has been defined in a generic manner.

Tag	Ver	Name	SUTRS Tag	Short Meaning	Value	Valid	Meaning	
Type	Value				Syntax	Source		
4	4053	1.2	LocalityDescription	localdes	Locality Description	STRING	X	Rationale behind the inclusion of a locality definition. This includes the area of EO research that requires such a definition, a description of what the locality represents in general terms, and a brief description or reference to a description of the method used as the source of the definition.
4	4054	1.2	LocalityType	localtyp	Locality Type	STRING	X	Type of entity for which the space/time extent is being defined. Most other spatial and temporal domain will be used to define coverage of data collection or product descriptors; or to define the varying spatial extent over time, of some geophysical event/phenomenon (i.e. the Midwest Flood of 93) or of certain seasons in different parts of the world (i.e. monsoon season).
4	4055	2.3	LocalProductUseAttributes	locpruse	Local Product Use Attributes	compound	X	Contains the list of all the Use attributes defined for a collection and which can be used in order to search the products included in the collection.
4	4056	2.3	LocalSchemaElements	locselem	Local Schema Elements	compound	X	Contains the list of all the local schema elements defined for a product.
4	4057	2.3	LocalUseAttributesFlag	locusefl	Local Use Attributes Flag	ENUM	O	Flag indicating whether: <ul style="list-style-type: none"> • a collection has no local attributes (value = 0) • a collection has local attributes defined within the collection descriptor (value = 1) • a collection has local attributes defined in the Explain database (value = 2)
4	3119	1.2	Longitude	longitud	Longitude	REAL	X	The longitude of a point.
4	3404	2.1	LongitudeResolution	longres	Longitude Resolution	STRING	X	The minimum difference between two adjacent longitude values in km.
4	3407	2.1	MapProjection	mapproj	Map Projection	compound	X	The systematic representation of all or part of the surface of the Earth on a plane or developable surface.
4	4058	2.3	MapProjectionDescription	mapprojd	Map Projection Description	STRING	X	A textual description of map projection used. It describes important parameters, such False Easting or False Northing. The use of a "Parameter = Value" syntax for describing the parameters and their associated values is advised.
4	3408	2.2	MapProjectionName	mapprojn	Map Projection Name	ENUM	X	Name of the map projection..
4	4059	1.2	MissionId	misionid	Mission and Satellite Identification	ENUM	O	Unique code for the satellite/mission.
4	3618	2.2	NetworkAddress	networka	Network Address	STRING	X	The network address to send files to electronically. For Internet addresses, the address is written in URL format to allow directories as well as domain's to be specified.

Tag		Ver	Name	SUTRS Tag	Short Meaning	Value	Valid	Meaning
Type	Value							
4	2040	1.2	NorthBoundingCoordinate	northbc	North Bounding Coordinate	REAL	X	Northernmost longitude point covered.
4	4060	2.2	OrderingCentreId	ordcenid	Ordering Centre Identifier	STRING	X	Unique code for the local ordering handler from which the data can be ordered.
4	4061	2.4	OrderOptionsGroup	ordoptgr	Order Options Group	compound	X	Identifies a single order option group, i.e. a set of order options (processing, scene selection, delivery) which can be freely combined between themselves. Whenever there is a semantic dependency between order options (e.g. a colour print can be delivered only with selection of three bands for processing option 'red/green/blue channel', but not when selecting all bands) the order options have to be separated in different groups such that the contained order options are not dependent on each other anymore (e.g. by splitting into 'colour products' and 'digital multi-band products'). This split can be performed in various steps - described as 'OrderOptionGroupingHierarchy' - thus creating a kind of navigation hierarchy for the user.
4	4062	2.4	OrderOptionsGroupIdentification	ordoptid	Order Options Group Identification	compound	X	Information identifying the order option group, including information such as specific conditions that apply to the whole group (e.g. media).
4	4063	2.4	OrderOptionsGroupingName	ordoptgn	Order Options Grouping Name	STRING	X	Self-explaining name of a classification criterion used for separating order options in different groups. At level 1 it may contain the special value 'OrderingCentreId'; in this case only the OrderOptionGroup where the related OrderOptionGroupingValue corresponds to the OrderingCentreId are applicable for the respective OrderingCentreId. The first level OrderOptionGroupingName has to be the same for all OrderOptionGroup.
4	4064	2.4	OrderOptionsGroupingValue	ordoptgv	Order Options Grouping Value	STRING	X	Self-explaining classification value for OrderOptionGroupingName. Note that for OrderOptionGroup with the same (n)th OrderOptionGroupingValue, the (n+1)th OrderOptionGroupingName also has to be identical in order to not create invalid navigation trees.
4	4065	2.4	OrderOptionsGroupName	ordoptna	Order Options Group Name	compound	X	Identifies a classification criterion by which order options were split into different groups. The various levels allow creation of a navigation tree for the user.
4	2024	1.2	OrganisationName	orgname	Organisation Name	STRING	X	The name of the organisation to which the contact apply.
4	4066	1.2	Originator	origin	Originator	STRING	X	The name of an organisation or individual that developed the data.
4	4067	2.1	PassType	passtype	Pass Type	ENUM	X	Type of a satellite pass, i.e. 'ascending' of 'descending'.

Tag Type	Value	Ver	Name	SUTRS Tag	Short Meaning	Value Syntax	Valid Source	Meaning
4	4068	2.3	Password	password	Password	STRING	X	The password of a user.
4	4069	2.4	PeriodDefinition	prdefin	Period Definition	TIME	X	The definition of a recurring time interval.
4	4070	2.2	PeriodName	periodnm	Period Name	STRING	X	The name given to a recurring time period, e.g. "Spring - Northern hemisphere".
4	2023	1.2	PersonName	persname	Person Name	STRING	X	Name of a person. The last name should be given first, followed by the first name and, if applicable, the middle name.
4	3406	2.1	PlanarSystem	plansys	Planar System	compound	X	The quantities of distances, or distances and angles, which define the position of a point on a reference plane to which the surface of the Earth has been projected.
4	4071	2.3	Platform	platform	Platform	compound	X	Support which carries the instrument(s)/sensor(s). A platform can be a spacecraft, a ground station or an aircraft.
4	4072	1.2	Point	point	Point	compound	X	Coordinates of a point on the surface of the Earth.
4	2028	1.2	PostalCode	postal	Postal Code	STRING	X	The post code of the address.
4	4073	2.1	Processing	process	Processing	compound	X	Information related to the processing of the data, such as the processing centre and the processing level.
4	4074	1.2	ProcessingCentre	proccent	Processing Centre	ENUM	O	Contains the short name of the data centre that has generated the data.
4	4075	1.3	ProcessingLevel	proclev	Processing Level	compound	X	Processing level information.
4	4076	1.2	ProcessingLevelDescription	proclevd	Processing Level Description	STRING	X	Set of characteristics that can be combined to define a new science processing level.
4	4077	1.2	ProcessingLevelId	proclvid	Processing Level Identifier in the Archive	ENUM	O	This parameter identifies the processing level of the data in the archive.
4	4078	2.1	ProductCollectionSpecific	prcolspf	Product Collection Specific	compound	X	Collection descriptor information specific to a collection of product descriptors (i.e. a collection for which CollectionHierarchyCategory is 'product'). This includes all the information which is specific to the Earth Observation domain.
4	3613	2.1	ProductCompression	prdcmps	Product Compression	ENUM	X	Compression algorithm that can be applied when the data product is delivered.
4	4079	2.1	ProductDeliveryOption	prodelop	Product Delivery Option	compound	X	Information about a delivery option available for a data product, such as formats, media.
4	4080	1.2	ProductDescriptor	proddesc	Product Descriptor	compound	X	Information about a product.

Tag Type	Value	Ver	Name	SUTRS Tag	Short Meaning	Value Syntax	Valid Source	Meaning
4	3608	2.1	ProductFormat	prodform	Product Format	ENUM	X	Format in which the data product is available, e.g. 'CEOS Superstructure', 'HDF', 'SDTS'.
4	3632	2.1	ProductMedium	prodmedm	Product Medium	ENUM	O	Medium on which the product is available, e.g. 'CD-ROM', 'Exabyte'.
4	4081	2.1	ProductOrderOptions	prdordop	Product Order Options	compound	X	Information about the different processing and/or order options available for product order.
4	4082	2.4	ProductProcessingOption	prdprsp	Product Processing Option	compound	X	Identifies a processing option available for an order option group.
4	4083	2.4	ProductProcessingOption Definition	prdprsd	Product Processing Option Definition	compound	X	Definition of a single processing option.
4	4084	2.1	ProductServiceOptions	prodsops	Product Service Options	compound	X	The different service options available for a data product, such a different order options.
4	4085	2.4	ProductType	prodtype	Product Type	STRING	X	Common characteristic of a set of products, characterised by being derived from acquisitions of an identical set of sensors, to which identical algorithms have been applied.
4	3108	1.2	Progress	progress	Progress	STRING	X	The state of the collection (i.e. 'completed', 'in work', 'planned').
4	4086	1.2	ProjectName	projname	Campaign or Project Name	ENUM	O	This element should be supplied when there is a relationship of the collection to a campaign or project (e.g. WOCE, FIRE, PROMIS, etc.). Campaigns or projects usually encompass data from a number of diverse data sources. The element includes both short and long names.
4	2003	1.2	Purpose	purpose	Purpose	STRING	X	Summary of the intentions for which the data was developed.
4	4087	1.2	QACollectionStatistics	qaclstats	QA Collection Statistics	compound	X	Statistics for quality assurance of collection.
4	3234	2.1	QAPercentCloudCover	qapcldev	QA Cloud Cover Percentage	INTEGER	X	Area obstructed by clouds, expressed as a percentage of the spatial coverage of the data.
4	4088	1.2	QAPercentInterpolatedD ata	qapintdt	QA Interpolated Data Percentage	INTEGER	X	Percentage of interpolated data in a product.
4	4089	1.2	QAPercentMissingData	qapmisdt	QA Missing Data Percentage	INTEGER	X	Percentage of missing data in a product.
4	4090	1.2	QAPercentOutOfBounds Data	qapoutdt	QA Out of Bounds Data Percentage	INTEGER	X	Percentage of out of bounds data in a product.
4	4091	1.2	QAProductStatistics	qaprstat	Quality Assurance Product Statistics	compound	X	Statistics for the quality assurance of products.
4	4092	1.2	QAQualityExplanation	qaqualex	QA Quality Explanation	STRING	X	Auxiliary information explaining the meaning of the quality flag elements.

Tag Type	Value	Ver	Name	SUTRS Tag	Short Meaning	Value Syntax	Valid Source	Meaning
4	4093	2.1	QARating	qarate	QA Rating	INTEGER	X	Rating of the quality of an item descriptor on a 0-100 scale. Note that agencies will need to convert their own ratings if they use another scale.
4	4094	1.2	RadiusValue	radius	Radius Value	REAL	X	The radius of a circle expressed in km.
4	4095	2.2	RelatedCollectionDescriptors	relcldes	Related Collection Descriptor	compound	X	Collection descriptors which are related in some way to the current item descriptor.
4	4096	2.3	RelatedGuidePointer	guidepnt	Related Guide Pointer	compound	X	Guide pointer which is related in some way to the current item descriptor.
4	4097	2.3	RelatedGuidePointers	relgpnts	Related Guide Pointers	compound	X	Guide pointers which are related in some way to the current item descriptor.
4	4098	2.2	RelatedItemDescriptor	relitem	Related Item Descriptor	compound	X	Item descriptor which is related in some way to the current item descriptor.
4	4099	2.2	RelatedItemDescriptors	relitds	Related Item Descriptors	compound	X	Item descriptors which are related in some way to the current item descriptor.
4	4100	2.1	RelationDescription	reldescr	Relation Description	STRING	X	Description of the relation between two items.
4	4101	2.1	Reprocessing	reprocss	Reprocessing	compound	X	Description of the reprocessing which might have or will be performed on the data.
4	4102	1.2	ReprocessingActual	reprocac	Reprocessing Actual	STRING	X	States what reprocessing has been performed on a product.
4	4103	1.2	ReprocessingPlanned	reprocpl	Reprocessing Planned	STRING	X	States what reprocessing may be performed on a product.
4	4104	1.2	Review	review	Review	compound	X	Review information.
4	4105	1.3	Revision	revision	Revision	compound	X	Revision information. Revision is different than review in that it refers to the information related to the changes of the collection, whereas review refers to the information related to the reviewing of the metadata (i.e. the revision and the review do not necessarily coincide).
4	4106	1.2	RevisionDate	revdate	Revision Date	TIME	X	Date and possibly time at which the data was created or the latest date and time of its modification or update.
4	4107	1.2	Role	role	Role	ENUM	O	The role of a person for the collection..
4	4108	2.3	Scale	scale	Scale	ENUM	O	The scaling used for the data (e.g. map).
4	4109	2.4	SceneSelectionOption	scnselop	Scene Selection Option	compound	X	Identifies a scene selection option available for an order option group.
4	4110	2.4	SceneSelectionOptionDefinition	scnselod	Scene Selection Option Definition	compound	X	Definition of a single scene selection option.
4	4111	1.3	ScienceReview	scienrev	Science Review	compound	X	Science review information.
4	3702	1.2	ScienceReviewDate	scirevdt	Science Review Date	TIME	X	Date and time of the latest review of the collection for accuracy of scientific or technical content.

Tag Type	Value	Ver	Name	SUTRS Tag	Short Meaning	Value Syntax	Valid Source	Meaning
4	4112	1.2	ScienceReviewStatus	scirevst	Science Review Status	ENUM	O	Type of review which occurred on the Science Review Date.
4	4113	2.3	SensorId	sensorid	Sensor/Instrument Identifier	ENUM	O	A mnemonic or otherwise abbreviated version (acronym) for the sensor/instrument. In case that several sensors are carried on board of an instrument a separate SensorId is provided that is constructed by "<InstrumentId>-[<SensorId>]". Note that <InstrumentId> can appear without <SensorId> following it, but that <SensorId> must be preceded by <InstrumentId>. Moreover, a hyphen must be used as separator between <InstrumentId> and <SensorId>. If a search is desired on a sensor type, e.g., radiometer, a wild card search can be performed
4	4114	2.1	SensorMode	sensmode	Sensor Mode	ENUM	X	Specific mode of the sensor.
4	2041	1.3	SouthBoundingCoordinate	southbc	South Bounding Coordinate	REAL	X	Southernmost latitude point covered.
4	2059	1.2	SpatialCoverage	spatcovr	Spatial Coverage	compound	X	The spatial coverage element indicates (usually in very coarse resolution) the spatial coverage of the data described.
4	2042	1.2	SpatialKeyword	spatkey	Spatial Keywords	ENUM	O	The spatial keywords provide the capability of selecting place names to be used as search parameters, usually as an alternative to specifying latitudes and longitudes (which may not apply in some disciplines). For example, 'Tropical Region', 'Atlantic Ocean'.
4	2061	2.3	SpatialKeywords	spatkeys	Spatial Keywords	compound	X	Information on spatial keywords.
4	2043	2.3	SpatialKeywordsThesaurus	spkeythe	Spatial Keywords Thesaurus	ENUM	X	Reference to the thesaurus used for the spatial keywords.
4	3400	2.1	SpatialReference	spatref	Spatial Reference	compound	X	The description of the reference frame for coordinates for the item descriptor.
4	4115	2.3	SpatialResolution	spatres	Spatial Resolution	ENUM	O	The minimum distance between two adjacent geographic points.
4	2072	1.2	StartDate	begdate	Start Date	TIME	X	Start date of the temporal coverage.
4	2027	1.2	State	state	State/Province	STRING	X	The state or province of the address.
4	1031	1.2	StorageMedium	storemed	Storage Medium	ENUM	X	Type of medium on which the data is currently stored.
4	2025	1.2	StreetAddress	streetad	Street Address	STRING	X	The street of the address.
4	4116	2.3	StructureAttributeId	strattid	Structure Attribute Identifier	INTEGER	X	Uniquely identifies a Structure attribute within the attribute set in which the Structure attribute is defined.
4	4117	2.1	SWPackagePointer	swpacpnt	Software Package Pointer	STRING	X	Pointer to where the software package related to a product collection can be retrieved.

Tag Type	Value	Ver	Name	SUTRS Tag	Short Meaning	Value Syntax	Valid Source	Meaning
4	2032	1.2	TelephoneNumber	phonenum	Telephone Number	STRING	X	The telephone number by which individuals can speak to the organisation or individual.
4	2062	1.2	TemporalCoverage	temporal	Temporal Coverage	compound	X	Time coverage for the data content.
4	2045	1.2	TemporalKeyword	tempkey	Temporal Keyword	ENUM	O	The name of a time period covered by a collection. For example, 'Summer'.
4	3131	2.3	TemporalKeywords	tempkeys	Temporal Keywords	compound	X	Information on temporal keywords.
4	3132	2.3	TemporalKeywordsThesaurus	tempkeyt	Temporal Keywords Thesaurus	ENUM	X	Reference to the thesaurus used for the temporal keywords.
4	4118	2.2	TemporalPeriod	timeinfo	Temporal Period	compound	X	Period definition for the data content.
4	3906	2.2	TemporalRange	rngdates	Temporal Range	compound	X	Date range definition for the data content.
4	4119	2.1	TemporalResolution	tempres	Temporal Resolution	STRING	X	The temporal frequency of data sampled.
4	2002	2.3	ThemeKeyword	themekey	Theme Keyword	ENUM	O	Controlled keyword list to define the theme (e.g. discipline, topic) covered by a collection.
4	3122	2.3	ThemeKeywords	themkeys	Theme Keywords	compound	X	Information on theme keywords.
4	2036	2.3	ThemeKeywordsThesaurus	themekt	Theme Keywords Thesaurus	ENUM	X	Reference to the thesaurus used for the theme keywords.
4	4120	2.4	ThumbnailData	thumbdat	Thumbnail Data	EXTERNAL	X	Browse thumbnail.
4	4121	2.1	Track	track	Track	INTEGER	X	Track number.
4	4122	2.2	UnformattedProductProcessingOption	uprdprso	Unformatted Product Processing Option	STRING	X	Instance of a processing option available for product order, such as the selection of single bands of a sensor. Note that the unformatted processing option is provided as free text and that therefore additional information may be necessary to interpret it (e.g. via a related pointer to a guide document).
4	4123	2.1	UnformattedSceneSelectionOption	uscnselo	Unformatted Scene Selection Option	STRING	X	Instance of a scene selection option available for product order. Note that the unformatted scene selection option is provided as free text and that therefore additional information may be necessary to interpret it (e.g. via a related pointer to a guide document).
4	3109	1.2	UpdateFrequency	updfreq	Maintenance and Update Frequency	ENUM	O	The frequency with which changes and additions are made to the data set after the initial data set is completed.
4	4124	2.3	URLPointer	urlpoint	URL Pointer	STRING	X	Provides a pointer to information relating to the data.

Tag Type	Value	Ver	Name	SUTRS Tag	Short Meaning	Value Syntax	Valid Source	Meaning
4	2005	1.2	UseConstraints	useconst	Use Constraints	STRING	X	Restrictions and legal prerequisites for using the data after access is granted. These include any access constraints applied to assure the protection of privacy or intellectual property, and any special restrictions or limitations on obtaining the data. If no constraint is imposed, the special value 'none' shall be included.
4	4125	2.2	UserDescriptor	usedescr	User Descriptor	compound	X	Information about a user.
4	4126	2.2	UserId	userid	User Identifier	STRING	X	Identifier of a user.
4	4127	1.2	VersionId	versnid	Version Identifier	STRING	X	Version identifier.
4	3466	2.1	VerticalCoordinateSystem	vertdef	Vertical Coordinate System	compound	X	The reference frame or system from which vertical distances (altitudes or depths) are measured.
4	4128	2.3	VerticalExtent	vertex	Vertical Extent	compound	X	Metadata for the vertical space covered by the item descriptor above and/or under the earth's surface.
4	2038	1.2	WestBoundingCoordinate	westbc	West Bounding Coordinate	REAL	X	Westernmost longitude covered.
4	4129	2.1	WRSGRSPass	wypass	WRS/GRS Pass	compound	X	World Reference System / Geolocation Reference System pass.
4	4130	2.1	WRSGRSScene	wrscene	WRS/GRS Scene	compound	X	World Reference System / Geolocation Reference System scene.