



Science & Technology Facilities Council

e-Science

NERC Environmental Data Portal

NDG Metadata Profile

Revision history			
Version	Contributors	Date	Changes
1.0	Andrew Woolf	2008-12-03	initial version

Contents

Background	4
Overview: GCMD Directory Interchange Format (DIF)	5
GCMD DIF v9.4	5
GCMD Validates	7
NDG extensions	7
Overview: ISO metadata	8
NERC Profile	11
Cross-walk	11
Issues	24
Missing elements	24
CodeList Mappings	24
CodeList/thesaurus management	24
Crosswalk semantics	24
ISO core metadata	24
Multiple mappings	25
UML model	26
Annex A: GCMD v9.4 XML schema	27
Annex B: GCMD Science Keywords	34
Annex C: GCMD Earth Science Services Keywords	53
Annex D: GCMD Chronostratigraphic Unit Keywords	55
Annex E: GCMD URL Content Type Keywords	56
Annex F: GCMD Data Center Keywords	57
Annex G: GCMD IDN Node Keywords	100
Annex H: GCMD Location Keywords	102
Annex I: GCMD Project Keywords	109
Annex J: GCMD Instrument Keywords	125
Annex K: GCMD Platform Keywords	140
Annex L: GCMD Data Resolution Keywords	147

Background

The current NERC Data Grid (NDG) Discovery Service harvests metadata from NDG providers into a central repository which is available for searching through a web service interface. Web-based portals (including the main NERC Discovery Portal) provide a simplified user-oriented interface.

Metadata harvesting is performed using the Open Archives Initiative Protocol for Metadata Harvesting (OAI-PMH). While OAI-PMH is neutral with respect to the underlying metadata format, NDG has initially focused support on the Global Change Master Directory's (GCMD) 'Directory Interchange Format' (DIF). This reflects the history of NDG, having been granted a first round of funding before recent ISO metadata standardisation work was stable. Moreover, while the FGDC's Content Standard for Digital Geospatial Metadata (CSGDM) was widely used by national (especially US) agency providers, the DIF was more widespread amongst academic and scientific providers¹.

However, with the publication in 2003 of the ISO Technical Committee 211's (Geographic information/Geomatics) standard (ISO 19115:2003) on metadata for geographic information, and its subsequent adoption in 2005 by Europe (EN ISO 19115:2005) and the UK (BS EN ISO 19115:2005), as well as internationally, there is a growing level of support (both *de facto* and *de jure*) for the ISO standard.

The current work was funded under the NERC Environmental Data Portal project, with the objective of defining a profile of ISO 19115 containing equivalent information content to the currently adopted v9.4 DIF standard.

The approach of first defining a 'DIF-profile' of ISO 19115 is a low-barrier first step down a path towards adoption of ISO 19115 as the core metadata standard for NERC. Appropriate next steps would be to evolve the 'DIF-profile' into a 'NERC-profile', and then to adopt a profile conformant to INSPIRE and UK GEMINI v3 (when published).

An *ad-hoc* NERC Metadata Group has been convened by NERC's Data Management Advisory Group (DMAG) as a forum within which key NERC data managers may discuss NERC metadata standards. It is expected that this group would play a significant role in future evolution of the profile presented here.

¹ For instance the Joint Committee on Antarctic Data Management (JCADM) has chosen DIF as the metadata format for the Antarctic Master Directory (<http://www.icadm.scar.org/index.php?id=397>).

Similarly, the Intergovernmental Oceanography Commission's International Oceanographic data and Information Exchange (IODE) has adopted DIF for its Marine Environmental Data Inventory (MEDI, <http://ioc.unesco.org/medi/format.html>).

Overview: GCMD Directory Interchange Format (DIF)

GCMD DIF v9.4

The GCMD Directory Interchange Format v9.4 has been adopted by NDG as its standard metadata format. The DIF has a twenty year history, and is now updated in sync with GCMD's metadatabase software and online authoring tool (docBUILDER). Version 9 was first released June 2004, with v9.4 released in March 2005. The current version (9.8) was released June 2008.

Table 1: Recent DIF version history

Version	Release date
9	June 2004
9.3	February 2005
9.4	March 2005
9.5	February 2006
9.6	July 2006
9.7	April 2007
9.7.1	June 2007
9.8	June 2008

The main guidance to using the DIF is provided through a (presumed normative) XML schema² and an online "Directory Interchange Format (DIF) Writer's Guide"³. The latter includes guidance on compliance level for elements. These element compliance levels themselves have changed over time, Table 2.

Table 2: Evolution of DIF element compliance levels

DIF version	Date	Element compliance levels
9	June 2004	required / not required
9.7	April 2007	required / recommended / optional
9.8	June 2008	required / highly recommended / recommended

Annex A contains a listing of the DIF v9.4 XML schema, and Table 3 below lists the elements with their conformance level.

Table 3: DIF v9.4 element conformance based on DIF Writer's Guide

mandatory	optional			
Entry_ID	Personnel	Location	Originating_Center	DIF_Creation_Date
Entry_Title	Data_Set_Citation	Data_Resolution	Distribution	Last_DIF_Revision_Date
Parameters	Instrument ⁴ (Sensor_Name)	Project	Multimedia_Sample	DIF_Revision_History
ISO_Topic_Category ⁵	Platform ⁶ (Source_Name)	Keyword	Reference	Future_DIF_Review_Date
Data_Center	Temporal_Coverage	Quality	Discipline	Originating_Metadata_Node ⁷
Summary	Paleo-Temporal_Coverage	Access_Constraints	Related_URL	
Metadata_Name	Data_Set_Progress	Use_Constraints	Parent_DIF	
Metadata_Version	Spatial_Coverage	Data_Set_Language	IDN_Node	

² Current version available at: http://gcmd.nasa.gov/Aboutus/xml/dif/dif_v9.7.1.xsd

³ Available at: <http://gcmd.nasa.gov/User/difguide/difman.html>

⁴ Sensor_Name in the XML schema

⁵ Elements mandatory in the DIF Writer's Guide are also mandatory in the XML schema, with the exception of ISO_Topic_Category, which is optional in the XML schema.

⁶ Source_Name in the XML schema

⁷ Originating_Metadata_Node is a DIF element in the XML schema not documented in the DIF Writer's Guide

A UML model for the DIF v9.4 is illustrated in Figure 1.

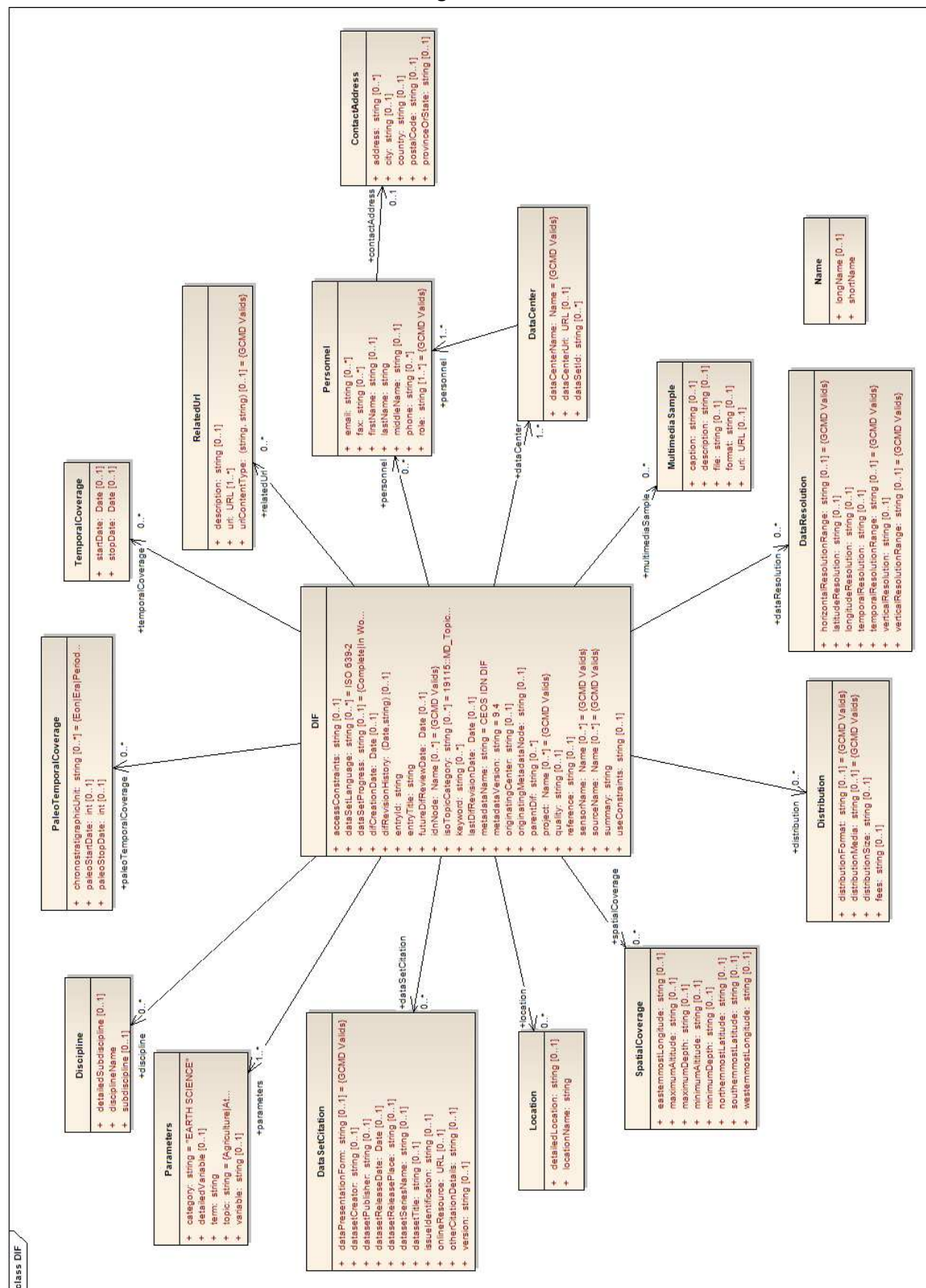


Figure 1: UML model for the DIF v9.4

GCMD Valid

Various GCMD metadata elements are restricted to hold values from controlled vocabularies. These are listed in Annexes B through L.

NDG extensions

Auxiliary Metadata Requirements have been defined (Pascoe & Latham) in order to support various view-service-related functionalities in NDG. The specific additional requirements are as follows:

1. The Keyword "DPPP" **must** be given to specify that the DIF falls within the scope of the DPPP project.
2. A link to the data provider's home page **must** be specified by the Data_Center/Data_Center_URL element.
3. A link to a the data provider's logo **must** be specified as a Related_URL of type "VIEW RELATED INFORMATION & DATA CENTER LOGO"
4. Links to WMS layers **must** be specified in via a link to a Web Map Context document at the data centre. This is linked in the DIF as a Related_URL of type "GET DATA & WEB MAP CONTEXT"
5. A link to a KML resource (KML document or KMZ archive) **must** be specified as a Related_URL of type "GET DATA & KML"
6. A link to a preview image **should** be specified using the Multimedia_Sample/URL element. Further information **may** be provided about the preview image with the Multimedia_Sample/Caption and Multimedia_Sample/Description elements.
7. The Last_DIF_Revision_Date **should** be provided and indicate when the DIF record was last edited.

Requirements 3, 4 and 5 are on the element Related_URL/URL_Content_Type (cf. Annex D).

Overview: ISO metadata

ISO 19115 ("Geographic information – Metadata") is a comprehensive standard for metadata describing datasets and dataset series' (the extension to service metadata is covered by ISO 19119).

Metadata elements are organised into the following conceptual packages:

- Identification: citation, abstract etc.
- Constraints: access restrictions
- Data quality: an assessment of dataset quality (completeness, consistency, accuracy etc.)
- Maintenance: dataset updates information
- Spatial representation: geometric properties of dataset
- Reference system: spatial and temporal reference systems used
- Content: feature catalogues defining types available in dataset
- Portrayal: portrayal catalogues defining rules for rendering dataset contents
- Distribution: distributor and dataset access options
- Extension: describes user-specified metadata extensions
- Application schema: the application schema defining structure and content of dataset

A high-level UML model for ISO 19115 metadata is shown in Figure 2.

A profiling approach is recommended for adoption of ISO 19115: communities of practice agree to use a subset of metadata elements, and may define additional elements where necessary, Figure 3. In all cases, a community profile should include at least the following set of 'core metadata elements':

Table 4: ISO 19115 Core metadata elements

Element ('M'andatory / 'O'ptional / 'C'onditional)	Description
Dataset title (M)	Name by which the dataset is known
Dataset reference date (M)	Reference date for the dataset
Dataset responsible party (O)	Identification and means of communication with person/organisation responsible for the dataset
Geographic location of the dataset (by four coordinates or by geographic identifier) (C)	Bounding box/polygon
Dataset language (M)	Language used within the dataset
Dataset character set (C)	Character coding standard used within the dataset
Dataset topic category (M)	Main theme(s) of the dataset
Spatial resolution of dataset (O)	General factor for density of data within dataset
Abstract describing the dataset (M)	Brief narrative summary of dataset contents
Distribution format (O)	Name and version of data transfer format(s)
Additional extent information for the dataset (vertical and temporal) (O)	Time & vertical extents of dataset
Spatial representation type(O)	Spatial representation of data (vector, grid, video, etc.)
Reference system (O)	Information about dataset spatial reference system
Lineage (O)	Events or source data used in constructing the dataset
On-line resource (O)	Online sources for obtaining dataset
Metadata file identifier (O)	Unique identifier for the file
Metadata standard name (O)	Name of metadata standard/profile used
Metadata standard version (O)	Version of the metadata standard used
Metadata language (C)	Language used for documenting metadata
Metadata character set (C)	Character coding standard used for metadata
Metadata point of contact (M)	Party responsible for the metadata information
Metadata date stamp (M)	Metadata creation date

Note that while this core element set must be included in any community profile, it doesn't mean all elements must be provided – optional elements remain optional, but must be allowed to be used by a provider if they wish.

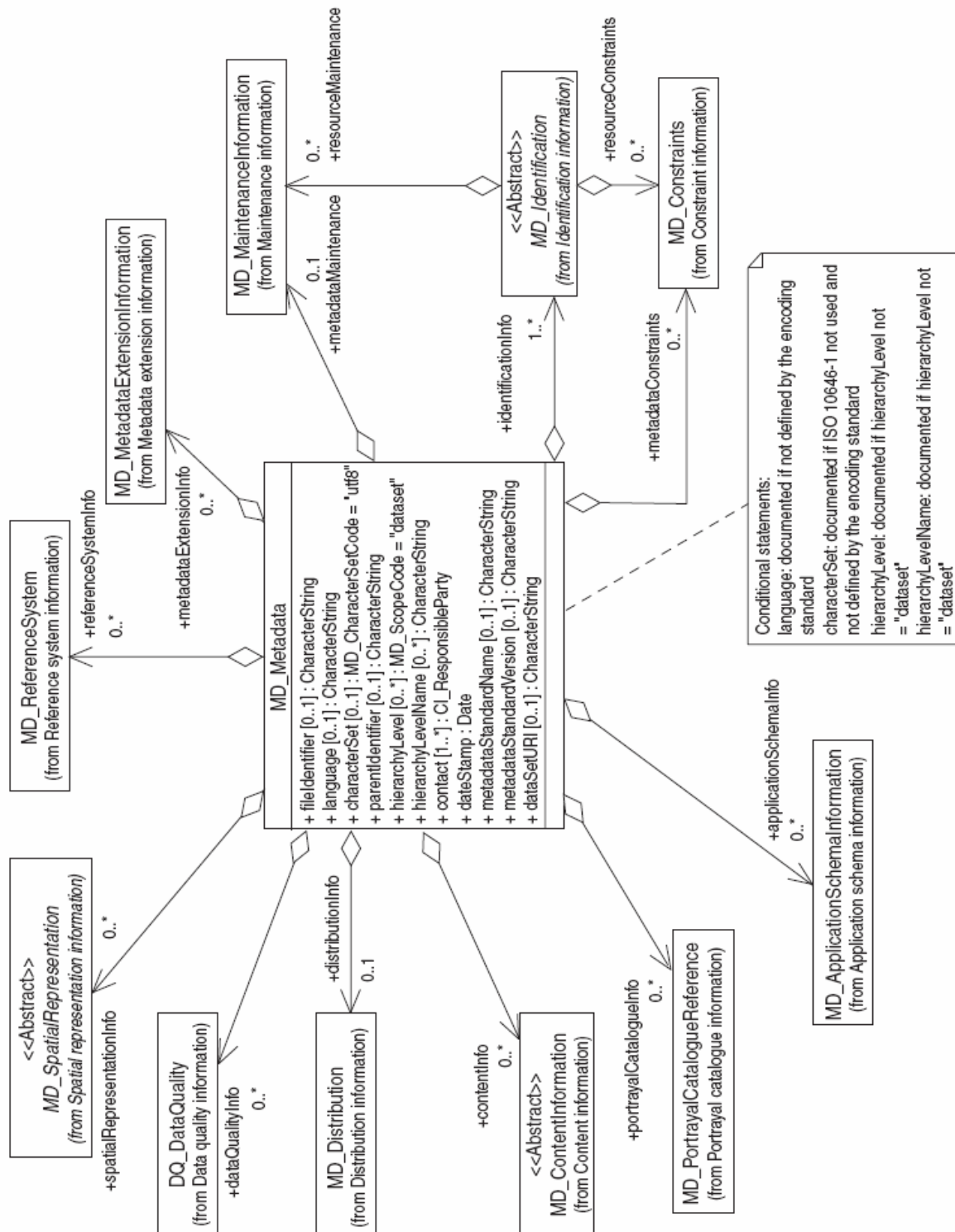


Figure 2: High-level UML model for ISO 19115 (source: BS EN ISO 19115:2005)

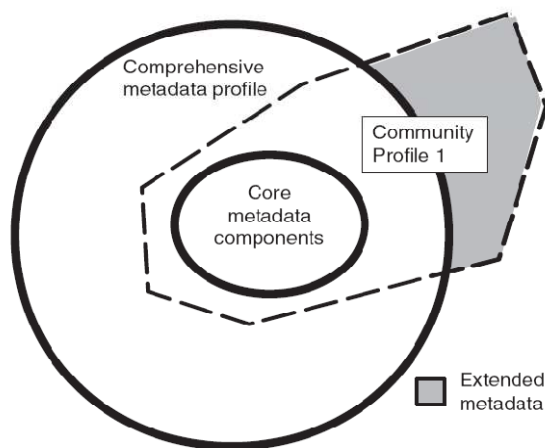


Figure 3: Profiling of ISO metadata by a community (source: BS EN ISO 19115:2005)

ISO 19115 represents a conceptual content standard for metadata – it is not concerned with physical realisation of a metadata record. However, for an XML representation, ISO 19139 (“Geographic information – Metadata – XML schema implementation”) provides a normative schema.

NERC Profile

Described below is a proposed NERC profile of ISO 19115, compatible with the existing DIF v9.4 information content.

Cross-walk

Table 5 presents a conceptual cross-walk of DIF v9.4 elements to corresponding ISO 19115 elements.

Table 5: DIF to ISO 19115 crosswalk

DIF v9.4	ISO 19115	Comment
DIF	MD_Metadata	Root metadata class
Entry_ID	MD_Metadata.fileIdentifier	ISO core 'Metadata file identifier'
Entry_Title	MD_Identification.citation > CI_Citation.title	ISO core 'Dataset title'
Parameters		Refactor each GCMD Parameter group into a set of ISO keywords
/Category	n/a	
/Topic	MD_DataIdentification.topicCategory ⁽¹⁾	Provides series of ISO topicCategory elements additional to ISO core 'Dataset topic category'
/Term	MD_Keywords.keyword ⁽²⁾	Use a single MD_Keywords element with 'GCMD Term' named thesaurus
/Variable	MD_Keywords.keyword ⁽³⁾	Use a single MD_Keywords element with 'GCMD Variable' named thesaurus
/Detailed_Variable	MD_Keywords.keyword	Use a single MD_Keywords element with unspecified thesaurus
ISO_Topic_Category	MD_DataIdentification.topicCategory	ISO core 'Dataset topic category'
Data_Center		ISO core 'Dataset responsible party'
/Data_Center_Name	MD_DataIdentification.pointOfContact > CI_ResponsibleParty.organisationName	
/Data_Center_URL	MD_DataIdentification.pointOfContact > CI_ResponsibleParty > CI_Contact.onlineResource.linkage	
/Data_Set_ID	MD_Identification.citation > CI_Citation > MD_Identifier.code	
/Personnel	MD_DataIdentification.pointOfContact > CI_ResponsibleParty ⁽⁴⁾	Provides detail for CI_ResponsibleParty and CI_ResponsibleParty > CI_Contact (see at DIF element 'Personnel' below)
Summary	MD_Identification.abstract	ISO core 'Abstract describing the dataset'
Metadata_Name	MD_Metadata.metadataStandardName ⁽⁵⁾	ISO core 'Metadata standard name'
Metadata_Version	MD_Metadata.metadataStandardVersion ⁽⁶⁾	ISO core 'Metadata standard version'
Personnel	MD_Metadata.contact > CI_ResponsibleParty	ISO core 'Metadata point of contact'
/Role	CI_ResponsibleParty.role ⁽⁷⁾	

/First_Name	CI_ResponsibleParty.individualName	
/Middle_Name	CI_ResponsibleParty.individualName	
/Last_Name	CI_ResponsibleParty.individualName	
/Email	CI_ResponsibleParty.contactInfo > CI_Contact.address> CI_Address.electronicMailAddress	
/Phone	CI_ResponsibleParty.contactInfo > CI_Contact.phone> CI_Telephone.voice	
/Fax	CI_ResponsibleParty.contactInfo > CI_Contact.phone> CI_Telephone.facsimile	
/Contact_Address	CI_ResponsibleParty.contactInfo > CI_Contact.address> CI_Address	Provides detail for CI_Contact > CI_Address
/Address	CI_Address.delivery_Point	
/City	CI_Address.city	
/Province_Or_State	CI_Address.administrativeArea	
/Postal_Code	CI_Address.postalCode	
/Country	CI_Address.country	
Data_Set_Citation		Provides info for MD_Identification > CI_Citation and MD_Distribution
/Dataset_Creator	MD_Identification.citation > CI_Citation.citedResponsibleParty > CI_ResponsibleParty.{individualName, organisationName} ⁽⁸⁾	
/Dataset_Title	MD_Identification.citation > CI_Citation.alternateTitle	
/Dataset_Series_Name	MD_Identification.citation > CI_Citation.series > CI_Series.name	(For dataset series)
/Dataset_Release_Date	MD_Identification.citation > CI_Citation.date	ISO core 'Dataset reference date'
/Dataset_Release_Place	n/a	
/Dataset_Publisher	MD_Identification.citation > CI_Citation.citedResponsibleParty > CI_ResponsibleParty.{individualName, organisationName} ⁽⁹⁾	
/Version	MD_Identification.citation > CI_Citation.edition	
/Issue_Identification	MD_Identification.citation > CI_Citation.series > CI_Series.issueIdentification	(For dataset series)
/Data_Presentation_Form	MD_Identification.citation > CI_Citation.presentationForm ⁽¹⁰⁾	
/Other_Citation_Details	MD_Identification.citation > CI_Citation.otherCitationDetails	
/Online_Resource	MD_Metadata.distributionInfo > MD_Distribution.transferOptions > MD_DigitalTransferOptions.onLine > CI_OnlineResource.linkage	ISO core 'On-line resource'
Instrument (Sensor_Name)	MD_Identification.aggregationInfo > MD_AggregateInformation.aggregateDataSetIdentifier > MD_Identifier.code ⁽¹¹⁾	If Instrument is specified, define an implicit aggregate dataset series for this GCMD Instrument, of which this DIF dataset is a part
Platform (Source_Name)	MD_Identification.aggregationInfo > MD_AggregateInformation.aggregateData	If Platform is specified, define an implicit aggregate dataset

	SetIdentifier > MD_Identifier.code ⁽¹²⁾	series for this GCMD Platform, of which this DIF dataset is a part
Temporal_Coverage		ISO core 'Additional extent information for the dataset (temporal)' Provides information for an EX_TemporalExtent element. Note: EX_Extent may have multiple temporalExtent elements.
/Start_Date	MD_DataIdentification.extent > EX_Extent.temporalElement > EX_TemporalExtent.extent > TM_Period.begin > TM_Instant.position > TM_Position.date8601 ⁽¹³⁾	The pair {Start,Stop}_Date provides an EX_TemporalExtent object associated to EX_Extent through temporalExtent.
/Stop_Date	MD_DataIdentification.extent > EX_Extent.temporalElement > EX_TemporalExtent.extent > TM_Period.end > TM_Instant.position > TM_Position.date8601 ⁽¹³⁾	
Paleo_Temporal Coverage	MD_DataIdentification.extent > EX_Extent.temporalElement	ISO core 'Additional extent information for the dataset (temporal)' Provides information for one or two EX_TemporalExtent elements – one for each of Paleo_{Start,Stop}_Date and Chronostratigraphic_Unit. Note: EX_Extent may have multiple temporalExtent elements.
/Paleo_Start_Date	MD_DataIdentification.extent > EX_Extent.temporalElement > EX_TemporalExtent.extent > TM_Period.begin > TM_Instant.position > TM_Position.anyOther > TM_Coordinate.coordinateValue ⁽¹⁴⁾	The pair Paleo_{Start,Stop}_Date provides an EX_TemporalExtent object associated to EX_Extent through temporalExtent.
/Paleo_Stop_Date	MD_DataIdentification.extent > EX_Extent.temporalElement > EX_TemporalExtent.extent > TM_Period.end > TM_Instant.position > TM_Position.anyOther > TM_Coordinate.coordinateValue ⁽¹⁴⁾	
/Chronostratigraphic_Unit	MD_DataIdentification.extent > EX_Extent.temporalElement > EX_TemporalExtent.extent > TM_Instant.position > TM_Position.anyOther > TM_OrdinalPosition.value > TM_OrdinalEra.name	Chronostratigraphic_Unit provides an EX_TemporalExtent object associated to EX_Extent through temporalExtent.
Data_Set_Progress	MD_Identification.status ⁽¹⁵⁾	
Spatial_Coverage		ISO core 'Geographic location of the dataset (by four coordinates)'
/Southernmost_Latitu	MD_DataIdentification.extent >	

de	EX_Extent.geographicElement > EX_GeographicBoundingBox.southBound Latitude	
/Northernmost_Latitu de	MD_DataIdentification.extent > EX_Extent.geographicElement > EX_GeographicBoundingBox.northBound Latitude	
/Westernmost_Longit ude	MD_DataIdentification.extent > EX_Extent.geographicElement > EX_GeographicBoundingBox.westBound Longitude	
/Easternmost_Longitu de	MD_DataIdentification.extent > EX_Extent.geographicElement > EX_GeographicBoundingBox.eastBoundL ongitude	
/Minimum_Altitude	MD_DataIdentification.extent > EX_Extent.verticalElement > EX_VerticalExtent.minimumValue ⁽¹⁶⁾	ISO core 'Additional extent information for the dataset (vertical)'
/Maximum_Altitude	MD_DataIdentification.extent > EX_Extent.verticalElement > EX_VerticalExtent.maximumValue ⁽¹⁶⁾	
/Minimum_Depth	MD_DataIdentification.extent > EX_Extent.verticalElement > EX_VerticalExtent.maximumValue ⁽¹⁶⁾	
/Maximum_Depth	MD_DataIdentification.extent > EX_Extent.verticalElement > EX_VerticalExtent.minimumValue ⁽¹⁶⁾	
Location		ISO core 'Geographic location of the dataset (by geographic identifier)' Note: More than one EX_Extent.geographicElement may be specified.
/Location_Name	MD_DataIdentification.extent > EX_Extent.geographicElement > EX_GeographicDescription.geographicIde ntifier > MD_Identifier.code ⁽¹⁷⁾	
/Detailed_Location	MD_DataIdentification.extent > EX_Extent.geographicElement > EX_GeographicDescription.geographicIde ntifier > MD_Identifier.code ⁽¹⁷⁾	
Data_Resolution		ISO core 'Spatial resolution of the dataset' Note: More than one MD_DataIdentification.spatialR esolution elements may be specified
/Latitude_Resolution	MD_DataIdentification.spatialResolution > MD_Resolution.distance ⁽¹⁸⁾	
/Longitude_Resolutio n	MD_DataIdentification.spatialResolution > MD_Resolution.distance ⁽¹⁸⁾	
/Horizontal_Resolutio n_Range	n/a	No straightforward equivalent in ISO
/Vertical_Resolution	n/a	No straightforward equivalent in ISO
/Vertical_Resolution_ Range	n/a	No straightforward equivalent in ISO

/Temporal_Resolution	n/a	No straightforward equivalent in ISO
/Temporal_Resolution_Range	n/a	No straightforward equivalent in ISO
Project	MD_Identification.aggregationInfo > MD_AggregateInformation.aggregateDataSetIdentifier > MD_Identifier.code ⁽¹⁹⁾	If Project is specified, define an implicit aggregate dataset series for this GCMD Project, of which this DIF dataset is a part
Keyword	MD_Identification.descriptiveKeywords > MD_Keywords.keyword	
Quality	MD_Metadata.dataQualityInfo > DQ_DataQuality.lineage > LI_Lineage.statement ⁽²⁰⁾	ISO core 'Lineage' ISO data quality reporting works by defining a data quality measure, and reporting the measured quality (as DQ_DataQuality.report) for a dataset according to that measure. Alternatively, the DQ_DataQuality.lineage association is used to report "non-quantitative quality information about the lineage of the data specified by the scope". GCMD quality is just a free-text description. In this case, the GCMD quality is regarded as a lineage equivalent and reported under DQ_DataQuality.lineage > LI_Lineage.statement.
Access_Constraints	MD_Identification.resourceConstraints > MD_LegalConstraints.otherConstraints ⁽²¹⁾	
Use_Constraints	MD_Identification.resourceConstraints > MD_LegalConstraints.otherConstraints ⁽²²⁾	
Data_Set_Language	MD_DataIdentification.language ⁽²³⁾	ISO core 'Dataset language'
Originating_Center	MD_Identification.pointOfContact > CI_ResponsibleParty.organisationName ⁽²⁴⁾	ISO core 'Dataset responsible party'
Distribution		
/Distribution_Media	MD_Metadata.distributionInfo > MD_Distribution.transferOptions > MD_DigitalTransferOptions.offLine > MD_Medium.name ⁽²⁵⁾	
/Distribution_Size	MD_Metadata.distributionInfo > MD_Distribution.transferOptions > MD_DigitalTransferOptions.transferSize ⁽²⁶⁾	
/Distribution_Format	MD_Metadata.distributionInfo > MD_Distribution.distributionFormat > MD_Format.name ⁽²⁷⁾	ISO core 'Distribution format'
/Fees	MD_Metadata.distributionInfo > MD_Distribution.distributor > MD_Distributor.distributionOrderProcess > MD_StandardOrderProcess.fees	
Multimedia_Sample		

/File	MD_Identification.graphicOverview > MD_BrowseGraphic.fileName ⁽²⁸⁾	
/URL	MD_Identification.graphicOverview > MD_BrowseGraphic.fileName ⁽²⁸⁾	
/Format	MD_Identification.graphicOverview > MD_BrowseGraphic.fileType	
/Caption	n/a	
/Description	MD_Identification.graphicOverview > MD_BrowseGraphic.fileDescription	
Reference	MD_Identification.citation > CI_Citation.otherCitationDetails ⁽²⁹⁾	
Discipline		
/Discipline_Name	MD_Keywords.keyword ⁽³⁰⁾	Use a single MD_Keywords element with 'GCMD Discipline' named thesaurus
/Subdiscipline	MD_Keywords.keyword ⁽³¹⁾	Use a single MD_Keywords element with 'GCMD Sub-discipline' named thesaurus
/Detailed_Subdiscipline	MD_Keywords.keyword ⁽³²⁾	Use a single MD_Keywords element with unspecified thesaurus
Related_URL		ISO core 'Online resource'
/URL_Content_Type	MD_Metadata.distributionInfo > MD_Distribution.transferOptions > MD_DigitalTransferOptions.onLine > CI_OnlineResource.applicationProfile ⁽³³⁾	
/URL	MD_Metadata.distributionInfo > MD_Distribution.transferOptions > MD_DigitalTransferOptions.onLine > CI_OnlineResource.linkage	
/Description	MD_Metadata.distributionInfo > MD_Distribution.transferOptions > MD_DigitalTransferOptions.onLine > CI_OnlineResource.description	
Parent_DIF	MD_Metadata.parentIdentifier ⁽³⁴⁾	
IDN_Node	MD_Metadata.contact > CI_ResponsibleParty.organisationName ⁽³⁵⁾	
DIF_Creation_Date	MD_Metadata.dateStamp	ISO core 'Metadata date stamp'
Last_DIF_Revision_Date	MD_Identification.citation > CI_Citation.date > CI_Date.date ⁽³⁶⁾	
DIF_Revision_History	n/a	
Future_DIF_Review_Date	n/a	

Notes:

- The following mapping is defined from GCMD Parameter Topic to ISO MD_TopicCategoryCode. Alternatively the

Agriculture → farming
 Atmosphere → climatologyMeteorologyAtmosphere
 Biosphere → biota
 BiologicalClassification → biota
 Climate Indicators → climatologyMeteorologyAtmosphere
 Cryosphere → ???
 Human Dimensions → society|economy|structure

Land Surface → environment|imageryBaseMapsEarthCover
 Oceans → oceans
 Paleoclimate → climatologyMeteorologyAtmosphere
 Solid Earth → geoscientificInformation
 Spectral/Engineering → structure|imageryBaseMapsEarthCover
 Sun-Earth Interactions → climatologyMeteorologyAtmosphere
 Terrestrial Hydrosphere → inlandWaters

2. For GCMD Parameter Term, set:

```
MD_Keywords.type = MD_KeywordTypeCode::discipline
MD_Keywords.thesaurusName > CI_Citation.title = "GCMD Term"
```

A mandatory creation, publication or revision date for the 'GCMD Term' thesaurus also needs to be provided in CI_Citation.date.

3. For GCMD Parameter Variable, set:

```
MD_Keywords.type = MD_KeywordTypeCode::theme
MD_Keywords.thesaurusName > CI_Citation.title = "GCMD Variable"
```

A mandatory creation, publication or revision date for the 'GCMD Variable' thesaurus also needs to be provided in CI_Citation.date.

4. For the GCMD Data_Center, the only allowable Personnel Role is 'Data Center Contact'; then the MD_DataIdentification.pointOfContact > CI_ResponsibleParty.role should be set to CI_RoleCode::pointOfContact.
5. If GCMD Metadata_Name is fixed at the default "CEOS IDN DIF", then use "19115 NERC DIF profile".
6. If GCMD Metadata_Version is "9.4", then use "Version 1 (DIF 9.4)".
7. The following mapping is defined from GCMD Personnel Role codes to ISO CI_RoleCode. Alternatively, the CI_RoleCode codeList could be extended to include the GCMD terms.

```
Investigator → CI_RoleCode::principalInvestigator
Technical Contact → CI_RoleCode::pointOfContact
DIF Author → CI_RoleCode::originator
Data Center Contact → CI_RoleCode::pointOfContact (for GCMD
Data_Center/Personnel/Role only)
```

8. GCMD Data_Set_Citation/Dataset_Creator may name either an individual or organisation (ISO CI_ResponsibleParty.individualName or CI_ResponsibleParty.organisationName respectively).
 Also, MD_Identification.citation > CI_Citation.citedResponsibleParty > CI_ResponsibleParty.role = 'originator'.
9. GCMD Data_Set_Citation/Dataset_Publisher may name either an individual or organisation (ISO CI_ResponsibleParty.individualName or CI_ResponsibleParty.organisationName respectively).

Also, MD_Identification.citation > CI_Citation.citedResponsibleParty >
CI_ResponsibleParty.role = 'publisher'.

10. The following mapping is defined from recommended GCMD Data_Presentation_Form keywords to ISO CI_PresentationFormCode. Alternatiely, the CI_PresentationFormCode codeList could be extended to include the GCMD terms.

Atlas → mapHardcopy
Diagram/Figure → imageDigital
Globe → mapHardcopy
Graph/Plot → imageDigital
GIS Map → mapDigital
Map → mapHardcopy
Nautical Chart → mapHardcopy
Model → modelDigital
Online Files → documentDigital
Profile → profileDigital
Report → documentDigital
Raster → videoDigital
Image → imageDigital
Section → documentDigital
Table → tableDigital
Vector → documentDigital

11. If a GCMD Instrument (Sensor_Name) is specified, there is an implicit ISO Aggregate Dataset Series (DS_Sensor subclass) for those datasets generated with this Instrument. GCMD is assumed to be the 'owner' of this aggregate dataset series. This is represented by additionally setting the following ISO metadata elements:

MD_Identification.aggregationInfo >
MD_AggregateInformation.aggregateDataSetIdentifier > MD_Identifier.authority =
'GCMD'

MD_Identification.aggregationInfo > MD_AggregateInformation.initiativeType =
DS_InitiativeTypeCode::sensor

MD_Identification.aggregationInfo > MD_AggregateInformation.associationType =
DS_AssociationTypeCode::crossReference

12. If a GCMD Platform (Source_Name) is specified, there is an implicit ISO Aggregate Dataset Series (DS_Platform subclass) for those datasets generated using this Platform. GCMD is assumed to be the 'owner' of this aggregate dataset series. This is represented by additionally setting the following ISO metadata elements:

MD_Identification.aggregationInfo >
MD_AggregateInformation.aggregateDataSetIdentifier > MD_Identifier.authority =
'GCMD'

MD_Identification.aggregationInfo > MD_AggregateInformation.initiativeType =
DS_InitiativeTypeCode::platform

MD_Identification.aggregationInfo > MD_AggregateInformation.associationType =
DS_AssociationTypeCode::crossReference

13. GCMD Temporal_Coverage elements need to be transformed from free-text “yyyy-mm-dd” to an ISO 19103 Date object (TM_Position.date8601: Date)
14. GCMD Paleo_Start_Date and Paleo_End_Date are times in the past, specified with units of Ga (billion years ago), MA (million years ago), ka (thousand years ago), ybp (years before present). These need to be mapped onto TM_Period.begin and TM_Period.end, both of which may be specified as a coordinate value (TM_Period.begin > TM_Instant > TM_Position.anyOther > TM_Coordinate) with respect to a reference frame (TM_ReferenceSystem). Thus, the following are:

TM_Coordinate.coordinateValue should take the numerical value of the GCMD
Paleo_*_Dates, negated for the past.

TM_Coordinate.frame > TM_CoordinateSystem.interval should specify the units as per ISO 31-1 (second, minute, hour, day) or ISO 1000 (SI units). Ga, Ma, ka are all acceptable, but ybp should be converted to y.

TM_Coordinate.frame > TM_CoordinateSystem.origin should specify the current date as the reference date.

15. The GCMD Data_Set_Progress element must be mapped to an ISO MD_Progress_Code as follows:

Planned → planned
In Work → onGoing
Complete → completed

16. The GCMD {Minimum,Maximum}_{Altitude,Depth} elements provide ISO vertical extent (EX_VerticalExtent) information. However, the following also need to be set:

EX_VerticalExtent.unitOfMeasure: needs to be parsed from the GCMD elements

EX_VerticalExtent.verticalDatum > SC_VerticalDatum: Geoidal (see ISO 19111 CD_VerticalDatum)); the specified datum for both GCMD Altitude and Depth can probably be Mean Sea Level – then the Depth values need to be negated (aith Maximum_Depth providing EX_VerticalExtent.minimumValue and *vice versa*).

17. The GCMD Location elements provide location by geographic identifier. The Location_Name or Detailed_Location attributes provide the MD_Identifier.code attribute. The MD_Identifier.authority may be omitted, or else set to the DIF creator, or perhaps even ‘GCMD’.
18. The GCMD {Latitude,Longitude}_Resolution elements each provide an MD_DataIdentification > MD_Resolution object. The GCMD elements may have units of m,

km, or degree, while the ISO MD_Resolution.distance element is an ISO 19103 Distance object with a uom attribute which must be set accordingly.

19. If a GCMD Project is specified, there is an implicit ISO Aggregate Dataset Series (DS_Initiative subclass) for those datasets generated under this Project. GCMD is assumed to be the 'owner' of this aggregate dataset series. This is represented by additionally setting the following ISO metadata elements:

```
MD_Identification.aggregationInfo >  
MD_AggregateInformation.aggregateDataSetIdentifier > MD_Identifier.authority =  
'GCMD'
```

```
MD_Identification.aggregationInfo > MD_AggregateInformation.initiativeType =  
DS_InitiativeTypeCode::project
```

```
MD_Identification.aggregationInfo > MD_AggregateInformation.associationType =  
DS_AssociationTypeCode::crossReference
```

20. The scope of the ISO data quality class must be specified by setting:

```
DQ_DataQuality.scope > DQ_Scope.level = MD_ScopeCode::dataset
```

21. GCMD Access_Constraints provide free-text information about any constraints for accessing data. This is carried through directly to the ISO MD_LegalConstraints.otherConstraints attribute. As well, the following attribute needs to be set:

```
MD_LegalConstraints.accessConstraints = MD_RestrictionCode::otherRestrictions
```

If it is known the GCMD access constraint is of a particular type, then another of the MD_RestrictionCode codeList values (copyright, patent, patentPending, trademark, license, intellectualPropertyRights, restricted) could be used.

22. GCMD Use_Constraints describe how data may or may not be used after access is granted. This is carried through directly to the ISO MD_LegalConstraints.otherConstraints attribute. As well, the following attribute needs to be set:

```
MD_LegalConstraints.useConstraints = MD_RestrictionCode::otherRestrictions
```

If it is known the GCMD access constraint is of a particular type, then another of the MD_RestrictionCode codeList values (copyright, patent, patentPending, trademark, license, intellectualPropertyRights, restricted) could be used.

23. GCMD Data_Set_Language is specified as a keyword (e.g. 'English') adapted from the list of ISO 639-2 language codes; on the other hand ISO requires the code itself to be used (i.e. 'en'). A mapping between these has to be performed.

24. The GCMD Originating_Center provides a name for the data center or data producer who originally generated the dataset. This maps onto the ISO CI_ResponsibleParty.organisationName. In this case, the following attribute also needs to be set:

CI_ResponsibleParty.role = CI_RoleCode::originator

25. GCMD Distribution/Distribution_Media takes the form of keywords. While there is no GCMD-mandated list of valids, there is a recommended list:

ELECTRONIC MEDIA: Online Internet (HTTP), Online FTP, E-mail, Various Online Data Transfer method, CD-ROM, DVD, 3.5 in. Diskette Macintosh Format, 3.5 in. Diskette IBM Format, 5.25 in. Floppy Disk, 8 in. Floppy Disk, 8 mm DAT Tape, 4 mm DAT Tape, IBM 3480 Tape, Cassette Tape, 6-Track Tape, 8-Track Tape, 9-Track Tape, Various track Tape, Ditto Tape, QTR Tape, QIC Tape, Travan Tape, Jaz Disk, LS-120 Disk, Aquidneck Optical Disk, 5 in. Magneto Optical Disk, Sony Formatted Optical Disk, Vax Formatted Optical Disk, Syquest Optical Disk, Bernoulli Optical Disk, Zip Disk, Verbatim TR, Minicartridge, Fuji DLT Compactape Cartridge, Removable Hard Drive, External Hard Drive, ROM Chip, ROM Card, 11x14 in. HCMM Encoded, AudioTape, Video Tape

HARDCOPY MEDIA: Printed Book/Volume, Manuscript (handwritten) book/journal, Series/Collection of printed books or manuscripts, Printed looseleaf pages bound, Printed looseleaf pages unbound, Computer printer printout, Difax printout, Computer punchcards, Plotter printout

PHOTOGRAPHIC MEDIA: Black & White transparencies, Color transparencies, Black & White slides, Color slides, Black & White prints, Black & White positives, Black & White negatives, Color prints, Color positives, Color negatives, Black & White Microfiche Cards, Color Microfiche Cards. Black & White Microfilm. Color Microfilm, Black & White Motion Picture film, Color Motion Picture film

In any case these need to be mapped to MD_MediumNameCode:

1quarterInchCartridgeTape, 3480Cartridge, 3490Cartridge, 3580Cartridge, 3halfInchFloppy, 4mmCartridgeTape, 5quarterInchFloppy, 7trackTape, 8mmCartridgeTape, 9trackTape, cdRom, digitalLinearTape, dvd, dvdRom, hardcopy, onLine, satellite, telephoneLink.

26. GCMD Distribution/Distribution_Size is free text containing the dataset transfer size in kB, MB or GB, and stating if the dataset is compressed (and the compression format). This is mapped onto the ISO MD_DigitalTransferOptions.transferSize attribute which is a real number representing dataset transfer size in MB. Thus a transformation must be done.
27. GCMD Distribution/Distribution_Format specifies the exchange data format which provides the value for ISO MD_Format.name, but it is also mandatory to specify MD_Format.version. This is not specified in DIF, so it is recommended to set:

MD_Format.version = 'unknown'

28. The GCMD Multimedia_Sample provides a sample image, movie, etc. The location of the file is specified as either a (local) filename (File) or from a remote server (URL). Generally only one of these two would be provided, and both are mapped onto the ISO MD_BrowseGraphic.fileName.

29. The GCMD Reference element provides free text bibliographic references related to the dataset. This is mapped to the ISO CI_Citation.otherCitationDetails. However, CI_Citation also requires a mandatory creation, publication, or revision date (CI_Citation.date). A publication date would need to be extracted from the GCMD Reference.

30. For GCMD Discipline_Name, set:

```
MD_Keywords.type = MD_KeywordTypeCode::discipline
MD_Keywords.thesaurusName > CI_Citation.title = "GCMD Discipline"
```

A mandatory creation, publication or revision date for the 'GCMD Discipline' thesaurus also needs to be provided in CI_Citation.date.

31. For GCMD Subdiscipline, set:

```
MD_Keywords.type = MD_KeywordTypeCode::discipline
MD_Keywords.thesaurusName > CI_Citation.title = "GCMD Sub-discipline"
```

A mandatory creation, publication or revision date for the 'GCMD Sub-discipline' thesaurus also needs to be provided in CI_Citation.date.

32. For GCMD Detailed_Subdiscipline, set:

```
MD_Keywords.type = MD_KeywordTypeCode::discipline
```

33. The GCMD Related_URL/URL_ContentType provides the 'applicationProfile' attribute of an ISO CI_OnlineResource. However, it may also be used in some cases to populate the 'function' attribute as follows:

```
ACCESS MAP VIEWER → CI_OnlineFunctionCode::download
ACCESS WEB SERVICE → CI_OnlineFunctionCode::download
DODS_DIR → CI_OnlineFunctionCode::offlineAccess
DODS_URL → CI_OnlineFunctionCode::offlineAccess
GET DATA → CI_OnlineFunctionCode::download
GET MAP SERVICE → CI_OnlineFunctionCode::download
GET RELATED DATA SET METADATA (DIF) → CI_OnlineFunctionCode::information
GET RELATED SERVICE METADATA (SERF) → CI_OnlineFunctionCode::offlineAccess
GET SERVICE → n/a
GET SOFTWARE PACKAGE → n/a
GET WEB COVERAGE SERVICE (WCS) → CI_OnlineFunctionCode::download
GET WEB FEATURE SERVICE (WFS) → CI_OnlineFunctionCode::download
GET WEB MAP SERVICE (WMS) → CI_OnlineFunctionCode::download
PROJECT HOME PAGE → CI_OnlineFunctionCode::information
REFERENCE MATERIALS → CI_OnlineFunctionCode::information
RELATED DATA SET METADATA → CI_OnlineFunctionCode::information
VIEW EXTENDED METADATA → CI_OnlineFunctionCode::information
VIEW PROJECT HOME PAGE → CI_OnlineFunctionCode::information
VIEW RELATED INFORMATION → CI_OnlineFunctionCode::information
```

As discussed in the section 'NDG extensions' (p7) earlier, some NDG extensions to the GCMD list of valids is used. These may be mapped in the following manner:

VIEW RELATED INFORMATION > DATA CENTER LOGO →
CI_OnlineFunctionCode::information
GET DATA > WEB MAP CONTEXT → CI_OnlineFunctionCode::offlineAccess
GET DATA > KML → CI_OnlineFunctionCode::download

34. The GCMD Parent_DIF element provides the ISO MD_Metadata.parentIdentifier attribute so long as the parent DIF has likewise been transformed to an ISO record and identifiers carried through in a similar way.
35. The GCMD IDN_Node provides the CEOS IDN node that has ongoing responsibility for updating the DIF. It is mapped to CI_ResponsibleParty.organisationName for MD_Metadata.contact. As well, the following attribute should be set:

CI_ResponsibleParty.role = CI_RoleCode::custodian

36. The GCMD Last_DIF_Revision_Date provides the CI_Date.date attribute for the primary CI_Citation (corresponding to the DIF Entry_Title element). In addition, CI_Date.dateType should be set to CI_DateTypeCode::revision.

Issues

A number of issues may be identified from the above cross-walk, summarised below.

Missing elements

No appropriate direct mappings were identified from the following DIF elements:

Parameters/Category, Data_Set_Citation/Dataset_Release_Place,
Data_Resolution/{Horizontal_Resolution_Range,Vertical_Resolution,Vertical_Resolution_Range,Temporal_Resolution,Temporal_Resolution_Range}, DIF_Revision_History, Future_DIF_Review_Date

CodeList Mappings

In the profile above, various mappings have been defined to ISO CodeLists, e.g. GCMD Parameter Topic to ISO MD_TopicCategoryCode, GCMD Personnel Role codes to ISO CI_RoleCode, GCMD Related_URL/URL_ContentType to ISO CI_OnlineResource.function. Some of these mappings (e.g. the first two of these) are much more robust than others (e.g. the latter). In general, an alternate approach would be to extend CodeLists in the manner foreseen in Annex F (§F.5) of ISO 19115. There is a spectrum of possibilities; the minimalist approach was adopted here – i.e. making the maximum use of existing ISO CodeLists.

CodeList/thesaurus management

In a number of places, GCMD valids lists are adopted as thesauri (Parameter/Term, Parameter/Variable, Discipline/Discipline_Name, Discipline/Subdiscipline). This implies a well-managed process for maintenance, especially with respect to revisions (including versioning). However GCMD itself does not maintain lists of valids under an appropriately controlled regime.

Crosswalk semantics

The majority of the cross-walk mappings will be uncontroversial, however some are more speculative. Mappings requiring more discussion include:

- Refactoring each GCMD Parameter group into a set of (unrelated) ISO Keywords
- The mechanism adopted for GCMD Instrument, Platform, and Project – assumed to induce partitions of datasets into implicit aggregate dataset series', 'owned' by GCMD and having a common Instrument, Platform or Project, and to which the ISO metadata record is cross-referenced (admittedly a tortuous route to incorporating Instrument, Platform and Project information!)
- Mapping data Quality information to a lineage element, really done in this manner in order to be able to carry through the DIF free-text quality information. More consistent with the ISO quality framework would be to define an appropriate quality measure – perhaps something like 'DIF quality' having a character-based result. Application of this quality measure would result in the DIF Quality text.

ISO core metadata

A key objective of the profile defined here is to include as much of the ISO core metadata as possible. However, mappings remain missing for the following elements:

- Dataset character set (required only if ISO/IEC 10646-1 not used as the character encoding for the dataset)

- Spatial representation type (optional) – whether the dataset is vector, grid, textTable, tin, stereoModel or video.
- Reference system (optional) – spatial and temporal reference systems used in the dataset
- Metadata language – language used for documenting metadata, required if not specified as part of the metadata encoding itself
- Metadata character set (required only if ISO/IEC 10646-1 not used as the character encoding for the metadata, and not specified as part of the encoding itself)

Multiple mappings

In some cases, there are multiple ISO elements that could be legitimate targets of DIF elements. For instance the DIF_Creation_Date while providing the ISO core 'Metadata date stamp' (MD_Metadata.dateStamp) in the cross-walk above, could also provide an MD_Identification.citation > CI_Citation.date > CI_Date.date element with CI_Date.dateType = CI_DateTypeCode::creation. There is nothing prohibiting the same information being included at multiple places in an ISO record, indeed it might reduce potential 'brittleness' associated with somewhat arbitrary mapping decisions.

UML model

tbd...

Annex A: GCMD v9.4 XML schema

```
<?xml version="1.0" encoding="UTF-8"?>

<xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema"
  targetNamespace="http://gcmd.gsfc.nasa.gov/Aboutus/xml/dif/"
  xmlns="http://gcmd.gsfc.nasa.gov/Aboutus/xml/dif/">

  <xs:element name="DIF">
    <xs:complexType>
      <xs:sequence>
        <xs:element ref="Entry_ID" minOccurs="1" maxOccurs="1"/>
        <xs:element ref="Entry_Title" minOccurs="1" maxOccurs="1"/>
        <xs:element ref="Data_Set_Citation" minOccurs="0" maxOccurs="unbounded"/>
        <xs:element ref="Personnel" minOccurs="0" maxOccurs="unbounded"/>
        <xs:element ref="Discipline" minOccurs="0" maxOccurs="unbounded"/>
        <xs:element ref="Parameters" minOccurs="1" maxOccurs="unbounded"/>
        <xs:element ref="ISO_Topic_Category" minOccurs="0" maxOccurs="unbounded"/>
        <xs:element ref="Keyword" minOccurs="0" maxOccurs="unbounded"/>
        <xs:element ref="Sensor_Name" minOccurs="0" maxOccurs="unbounded"/>
        <xs:element ref="Source_Name" minOccurs="0" maxOccurs="unbounded"/>
        <xs:element ref="Temporal_Coverage" minOccurs="0" maxOccurs="unbounded"/>
        <xs:element ref="Paleo_Temporal_Coverage" minOccurs="0" maxOccurs="unbounded"/>
        <xs:element ref="Data_Set_Progress" minOccurs="0" maxOccurs="1"/>
        <xs:element ref="Spatial_Coverage" minOccurs="0" maxOccurs="unbounded"/>
        <xs:element ref="Location" minOccurs="0" maxOccurs="unbounded"/>
        <xs:element ref="Data_Resolution" minOccurs="0" maxOccurs="unbounded"/>
        <xs:element ref="Project" minOccurs="0" maxOccurs="unbounded"/>
        <xs:element ref="Quality" minOccurs="0" maxOccurs="1"/>
        <xs:element ref="Access_Constraints" minOccurs="0" maxOccurs="1"/>
        <xs:element ref="Use_Constraints" minOccurs="0" maxOccurs="1"/>
        <xs:element ref="Data_Set_Language" minOccurs="0" maxOccurs="unbounded"/>
        <xs:element ref="Originating_Center" minOccurs="0" maxOccurs="1"/>
        <xs:element ref="Data_Center" minOccurs="1" maxOccurs="unbounded"/>
        <xs:element ref="Distribution" minOccurs="0" maxOccurs="unbounded"/>
        <xs:element ref="Multimedia_Sample" minOccurs="0" maxOccurs="unbounded"/>
        <xs:element ref="Reference" minOccurs="0" maxOccurs="1"/>
        <xs:element ref="Summary" minOccurs="1" maxOccurs="1"/>
        <xs:element ref="Related_URL" minOccurs="0" maxOccurs="unbounded"/>
        <xs:element ref="Parent_DIF" minOccurs="0" maxOccurs="unbounded"/>
        <xs:element ref="IDN_Node" minOccurs="0" maxOccurs="unbounded"/>
        <xs:element ref="Originating_Metadata_Node" minOccurs="0" maxOccurs="1"/>
        <xs:element ref="Metadata_Name" minOccurs="1" maxOccurs="1"/>
        <xs:element ref="Metadata_Version" minOccurs="1" maxOccurs="1"/>
        <xs:element ref="DIF_Creation_Date" minOccurs="0" maxOccurs="1"/>
        <xs:element ref="Last_DIF_Revision_Date" minOccurs="0" maxOccurs="1"/>
        <xs:element ref="DIF_Revision_History" minOccurs="0" maxOccurs="1"/>
        <xs:element ref="Future_DIF_Review_Date" minOccurs="0" maxOccurs="1"/>
      </xs:sequence>
    </xs:complexType>
  </xs:element>

  <xs:element name="Entry_ID" type="xs:string"/>
  <xs:element name="Entry_Title" type="xs:string"/>
```

```

<xs:element name="Data_Set_Citation">
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="Dataset_Creator" minOccurs="0" maxOccurs="1"/>
      <xs:element ref="Dataset_Title" minOccurs="0" maxOccurs="1"/>
      <xs:element ref="Dataset_Series_Name" minOccurs="0" maxOccurs="1"/>
      <xs:element ref="Dataset_Release_Date" minOccurs="0" maxOccurs="1"/>
      <xs:element ref="Dataset_Release_Place" minOccurs="0" maxOccurs="1"/>
      <xs:element ref="Dataset_Publisher" minOccurs="0" maxOccurs="1"/>
      <xs:element ref="Version" minOccurs="0" maxOccurs="1"/>
      <xs:element ref="Issue_Identification" minOccurs="0" maxOccurs="1"/>
      <xs:element ref="Data_Presentation_Form" minOccurs="0" maxOccurs="1"/>
      <xs:element ref="Other_Citation_Details" minOccurs="0" maxOccurs="1"/>
      <xs:element ref="Online_Resource" minOccurs="0" maxOccurs="1"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="Dataset_Creator" type="xs:string"/>
<xs:element name="Dataset_Title" type="xs:string"/>
<xs:element name="Dataset_Series_Name" type="xs:string"/>
<xs:element name="Dataset_Release_Date" type="xs:string"/>
<xs:element name="Dataset_Release_Place" type="xs:string"/>
<xs:element name="Dataset_Publisher" type="xs:string"/>
<xs:element name="Version" type="xs:string"/>
<xs:element name="Issue_Identification" type="xs:string"/>
<xs:element name="Data_Presentation_Form" type="xs:string"/>
<xs:element name="Other_Citation_Details" type="xs:string"/>
<xs:element name="Online_Resource" type="xs:string"/>
<xs:element name="Personnel">
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="Role" minOccurs="1" maxOccurs="unbounded"/>
      <xs:element ref="First_Name" minOccurs="0" maxOccurs="1"/>
      <xs:element ref="Middle_Name" minOccurs="0" maxOccurs="1"/>
      <xs:element ref="Last_Name" minOccurs="1" maxOccurs="1"/>
      <xs:element ref="Email" minOccurs="0" maxOccurs="unbounded"/>
      <xs:element ref="Phone" minOccurs="0" maxOccurs="unbounded"/>
      <xs:element ref="Fax" minOccurs="0" maxOccurs="unbounded"/>
      <xs:element ref="Contact_Address" minOccurs="0" maxOccurs="1"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="Role" type="xs:string"/>
<xs:element name="First_Name" type="xs:string"/>
<xs:element name="Middle_Name" type="xs:string"/>
<xs:element name="Last_Name" type="xs:string"/>
<xs:element name="Email" type="xs:string"/>
<xs:element name="Phone" type="xs:string"/>
<xs:element name="Fax" type="xs:string"/>
<xs:element name="FAX" type="xs:string"/>
<xs:element name="Contact_Address">
  <xs:complexType>

```

```

<xs:sequence>
  <xs:element ref="Address" minOccurs="0" maxOccurs="unbounded"/>
  <xs:element ref="City" minOccurs="0" maxOccurs="1"/>
  <xs:element ref="Province_or_State" minOccurs="0" maxOccurs="1"/>
  <xs:element ref="Postal_Code" minOccurs="0" maxOccurs="1"/>
  <xs:element ref="Country" minOccurs="0" maxOccurs="1"/>
</xs:sequence>
</xs:complexType>
</xs:element>
<xs:element name="Address" type="xs:string"/>
<xs:element name="City" type="xs:string"/>
<xs:element name="Province_or_State" type="xs:string"/>
<xs:element name="Postal_Code" type="xs:string"/>
<xs:element name="Country" type="xs:string"/>
<xs:element name="Discipline">
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="Discipline_Name" minOccurs="1" maxOccurs="1"/>
      <xs:element ref="Subdiscipline" minOccurs="0" maxOccurs="1"/>
      <xs:element ref="Detailed_Subdiscipline" minOccurs="0" maxOccurs="1"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="Discipline_Name" type="xs:string"/>
<xs:element name="Subdiscipline" type="xs:string"/>
<xs:element name="Detailed_Subdiscipline" type="xs:string"/>
<xs:element name="Parameters">
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="Category" minOccurs="1" maxOccurs="1"/>
      <xs:element ref="Topic" minOccurs="1" maxOccurs="1"/>
      <xs:element ref="Term" minOccurs="1" maxOccurs="1"/>
      <xs:element ref="Variable" minOccurs="0" maxOccurs="1"/>
      <xs:element ref="Detailed_Variable" minOccurs="0" maxOccurs="1"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="Category" type="xs:string"/>
<xs:element name="Topic" type="xs:string"/>
<xs:element name="Term" type="xs:string"/>
<xs:element name="Variable" type="xs:string"/>
<xs:element name="Detailed_Variable" type="xs:string"/>
<xs:element name="ISO_Topic_Category" type="xs:string"/>
<xs:element name="Keyword" type="xs:string"/>
<xs:element name="Sensor_Name">
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="Short_Name" minOccurs="1" maxOccurs="1"/>
      <xs:element ref="Long_Name" minOccurs="0" maxOccurs="1"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>

```

```
<xs:element name="Short_Name" type="xs:string"/>
<xs:element name="Long_Name" type="xs:string"/>
<xs:element name="Source_Name">
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="Short_Name" minOccurs="1" maxOccurs="1"/>
      <xs:element ref="Long_Name" minOccurs="0" maxOccurs="1"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="Temporal_Coverage">
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="Start_Date" minOccurs="0" maxOccurs="1"/>
      <xs:element ref="Stop_Date" minOccurs="0" maxOccurs="1"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="Start_Date" type="xs:string"/>
<xs:element name="Stop_Date" type="xs:string"/>
<xs:element name="Paleo_Temporal_Coverage">
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="Paleo_Start_Date" minOccurs="0" maxOccurs="1"/>
      <xs:element ref="Paleo_Stop_Date" minOccurs="0" maxOccurs="1"/>
      <xs:element ref="Chronostratigraphic_Unit" minOccurs="0" maxOccurs="unbounded"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="Paleo_Start_Date" type="xs:string"/>
<xs:element name="Paleo_Stop_Date" type="xs:string"/>
<xs:element name="Chronostratigraphic_Unit" type="xs:string"/>
<xs:element name="Data_Set_Progress" type="xs:string"/>
<xs:element name="Spatial_Coverage">
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="Southernmost_Latitude" minOccurs="0" maxOccurs="1"/>
      <xs:element ref="Northernmost_Latitude" minOccurs="0" maxOccurs="1"/>
      <xs:element ref="Westernmost_Longitude" minOccurs="0" maxOccurs="1"/>
      <xs:element ref="Easternmost_Longitude" minOccurs="0" maxOccurs="1"/>
      <xs:element ref="Minimum_Altitude" minOccurs="0" maxOccurs="1"/>
      <xs:element ref="Maximum_Altitude" minOccurs="0" maxOccurs="1"/>
      <xs:element ref="Minimum_Depth" minOccurs="0" maxOccurs="1"/>
      <xs:element ref="Maximum_Depth" minOccurs="0" maxOccurs="1"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="Southernmost_Latitude" type="xs:string"/>
<xs:element name="Northernmost_Latitude" type="xs:string"/>
<xs:element name="Westernmost_Longitude" type="xs:string"/>
<xs:element name="Easternmost_Longitude" type="xs:string"/>
<xs:element name="Minimum_Altitude" type="xs:string"/>
```

```

<xs:element name="Maximum_Altitude" type="xs:string"/>
<xs:element name="Minimum_Depth" type="xs:string"/>
<xs:element name="Maximum_Depth" type="xs:string"/>
<xs:element name="Location">
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="Location_Name" minOccurs="1" maxOccurs="1"/>
      <xs:element ref="Detailed_Location" minOccurs="0" maxOccurs="1"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="Location_Name" type="xs:string"/>
<xs:element name="Detailed_Location" type="xs:string"/>
<xs:element name="Data_Resolution">
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="Latitude_Resolution" minOccurs="0" maxOccurs="1"/>
      <xs:element ref="Longitude_Resolution" minOccurs="0" maxOccurs="1"/>
      <xs:element ref="Horizontal_Resolution_Range" minOccurs="0" maxOccurs="1"/>
      <xs:element ref="Vertical_Resolution" minOccurs="0" maxOccurs="1"/>
      <xs:element ref="Vertical_Resolution_Range" minOccurs="0" maxOccurs="1"/>
      <xs:element ref="Temporal_Resolution" minOccurs="0" maxOccurs="1"/>
      <xs:element ref="Temporal_Resolution_Range" minOccurs="0" maxOccurs="1"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="Latitude_Resolution" type="xs:string"/>
<xs:element name="Longitude_Resolution" type="xs:string"/>
<xs:element name="Horizontal_Resolution_Range" type="xs:string"/>
<xs:element name="Vertical_Resolution" type="xs:string"/>
<xs:element name="Vertical_Resolution_Range" type="xs:string"/>
<xs:element name="Temporal_Resolution" type="xs:string"/>
<xs:element name="Temporal_Resolution_Range" type="xs:string"/>
<xs:element name="Project">
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="Short_Name" minOccurs="1" maxOccurs="1"/>
      <xs:element ref="Long_Name" minOccurs="0" maxOccurs="1"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="Quality" type="xs:string"/>
<xs:element name="Access_Constraints" type="xs:string"/>
<xs:element name="Use_Constraints" type="xs:string"/>
<xs:element name="Data_Set_Language" type="xs:string"/>
<xs:element name="Originating_Center" type="xs:string"/>
<xs:element name="Data_Center">
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="Data_Center_Name" minOccurs="1" maxOccurs="1"/>
      <xs:element ref="Data_Center_URL" minOccurs="0" maxOccurs="1"/>
      <xs:element ref="Data_Set_ID" minOccurs="0" maxOccurs="unbounded"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>

```

```
<xs:element ref="Personnel" minOccurs="1" maxOccurs="unbounded"/>
</xs:sequence>
</xs:complexType>
</xs:element>
<xs:element name="Data_Center_Name">
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="Short_Name" minOccurs="1" maxOccurs="1"/>
      <xs:element ref="Long_Name" minOccurs="0" maxOccurs="1"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="Data_Center_URL" type="xs:string"/>
<xs:element name="Data_Set_ID" type="xs:string"/>
<xs:element name="Distribution">
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="Distribution_Media" minOccurs="0" maxOccurs="1"/>
      <xs:element ref="Distribution_Size" minOccurs="0" maxOccurs="1"/>
      <xs:element ref="Distribution_Format" minOccurs="0" maxOccurs="1"/>
      <xs:element ref="Fees" minOccurs="0" maxOccurs="1"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="Distribution_Media" type="xs:string"/>
<xs:element name="Distribution_Size" type="xs:string"/>
<xs:element name="Distribution_Format" type="xs:string"/>
<xs:element name="Fees" type="xs:string"/>
<xs:element name="Multimedia_Sample">
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="File" minOccurs="0" maxOccurs="1"/>
      <xs:element ref="URL" minOccurs="0" maxOccurs="1"/>
      <xs:element ref="Format" minOccurs="0" maxOccurs="1"/>
      <xs:element ref="Caption" minOccurs="0" maxOccurs="1"/>
      <xs:element ref="Description" minOccurs="0" maxOccurs="1"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="File" type="xs:string"/>
<xs:element name="Format" type="xs:string"/>
<xs:element name="Caption" type="xs:string"/>
<xs:element name="Description" type="xs:string"/>
<xs:element name="Reference" type="xs:string"/>
<xs:element name="Summary" type="xs:string"/>
<xs:element name="Related_URL">
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="URL_Content_Type" minOccurs="0" maxOccurs="1"/>
      <xs:element ref="URL" minOccurs="1" maxOccurs="unbounded"/>
      <xs:element ref="Description" minOccurs="0" maxOccurs="1"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

```
</xs:complexType>
</xs:element>
<xs:element name="URL_Content_Type" type="xs:string"/>
<xs:element name="URL" type="xs:string"/>
<xs:element name="Parent_DIF" type="xs:string"/>
<xs:element name="IDN_Node">
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="Short_Name" minOccurs="1" maxOccurs="1"/>
      <xs:element ref="Long_Name" minOccurs="0" maxOccurs="1"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="Originating_Metadata_Node" type="xs:string"/>
<xs:element name="Metadata_Name" type="xs:string"/>
<xs:element name="Metadata_Version" type="xs:string"/>
<xs:element name="DIF_Creation_Date" type="xs:string"/>
<xs:element name="Last_DIF_Revision_Date" type="xs:string"/>
<xs:element name="DIF_Revision_History" type="xs:string"/>
<xs:element name="Future_DIF_Review_Date" type="xs:string"/>
</xs:schema>
```

Annex B: GCMD Science Keywords

GCMD valids as at 13-Dec-2005.

CATEGORY > TOPIC > TERM > VARIABLE

EARTH SCIENCE > Agriculture > Agricultural Aquatic Sciences > Aquaculture
EARTH SCIENCE > Agriculture > Agricultural Aquatic Sciences > Fisheries
EARTH SCIENCE > Agriculture > Agricultural Chemicals > Fertilizers
EARTH SCIENCE > Agriculture > Agricultural Chemicals > Pesticides
EARTH SCIENCE > Agriculture > Agricultural Engineering > Agricultural Equipment
EARTH SCIENCE > Agriculture > Agricultural Engineering > Farm Structures
EARTH SCIENCE > Agriculture > Agricultural Plant Science > Crop/Plant Yields
EARTH SCIENCE > Agriculture > Agricultural Plant Science > Cropping Systems
EARTH SCIENCE > Agriculture > Agricultural Plant Science > Irrigation
EARTH SCIENCE > Agriculture > Agricultural Plant Science > Plant Breeding and Genetics
EARTH SCIENCE > Agriculture > Agricultural Plant Science > Plant Diseases/Disorders/Pests
EARTH SCIENCE > Agriculture > Agricultural Plant Science > Reclamation/Revegetation/Restoration
EARTH SCIENCE > Agriculture > Agricultural Plant Science > Weeds, Noxious Plants Or Invasive Plants
EARTH SCIENCE > Agriculture > Animal Commodities > Dairy Products
EARTH SCIENCE > Agriculture > Animal Commodities > Livestock Products
EARTH SCIENCE > Agriculture > Animal Commodities > Poultry Products
EARTH SCIENCE > Agriculture > Animal Science > Animal Breeding and Genetics
EARTH SCIENCE > Agriculture > Animal Science > Animal Diseases/Disorders/Pests
EARTH SCIENCE > Agriculture > Animal Science > Animal Ecology and Behavior
EARTH SCIENCE > Agriculture > Animal Science > Animal Management Systems
EARTH SCIENCE > Agriculture > Animal Science > Animal Manure and Waste
EARTH SCIENCE > Agriculture > Animal Science > Animal Nutrition
EARTH SCIENCE > Agriculture > Animal Science > Animal Physiology and Biochemistry
EARTH SCIENCE > Agriculture > Animal Science > Animal Yields
EARTH SCIENCE > Agriculture > Animal Science > Apiculture
EARTH SCIENCE > Agriculture > Animal Science > Sericulture
EARTH SCIENCE > Agriculture > Feed Products > Feed Composition
EARTH SCIENCE > Agriculture > Feed Products > Feed Contamination and Toxicology
EARTH SCIENCE > Agriculture > Feed Products > Feed Processing
EARTH SCIENCE > Agriculture > Feed Products > Feed Storage
EARTH SCIENCE > Agriculture > Food Science > Food Additives
EARTH SCIENCE > Agriculture > Food Science > Food Contamination and Toxicology
EARTH SCIENCE > Agriculture > Food Science > Food Packaging
EARTH SCIENCE > Agriculture > Food Science > Food Processing
EARTH SCIENCE > Agriculture > Food Science > Food Quality
EARTH SCIENCE > Agriculture > Food Science > Food Storage
EARTH SCIENCE > Agriculture > Forest Science > Afforestation/Reforestation
EARTH SCIENCE > Agriculture > Forest Science > Defoliant
EARTH SCIENCE > Agriculture > Forest Science > Forest Conservation
EARTH SCIENCE > Agriculture > Forest Science > Forest Fire Science
EARTH SCIENCE > Agriculture > Forest Science > Forest Harvesting and Engineering
EARTH SCIENCE > Agriculture > Forest Science > Forest Management
EARTH SCIENCE > Agriculture > Forest Science > Forest Mensuration
EARTH SCIENCE > Agriculture > Forest Science > Forest Products/Commodities
EARTH SCIENCE > Agriculture > Forest Science > Forest Protection
EARTH SCIENCE > Agriculture > Forest Science > Forest Yields
EARTH SCIENCE > Agriculture > Forest Science > Reforestation
EARTH SCIENCE > Agriculture > Plant Commodities > Field Crop Products
EARTH SCIENCE > Agriculture > Plant Commodities > Fruit Products
EARTH SCIENCE > Agriculture > Plant Commodities > Horticultural Products
EARTH SCIENCE > Agriculture > Plant Commodities > Vegetable Products
EARTH SCIENCE > Agriculture > Soils > Calcium
EARTH SCIENCE > Agriculture > Soils > Carbon
EARTH SCIENCE > Agriculture > Soils > Cation Exchange Capacity
EARTH SCIENCE > Agriculture > Soils > Denitrification Rate
EARTH SCIENCE > Agriculture > Soils > Electrical Conductivity
EARTH SCIENCE > Agriculture > Soils > Heavy Metals
EARTH SCIENCE > Agriculture > Soils > Hydraulic Conductivity
EARTH SCIENCE > Agriculture > Soils > Macrofauna
EARTH SCIENCE > Agriculture > Soils > Magnesium

EARTH SCIENCE > Agriculture > Soils > Microfauna
EARTH SCIENCE > Agriculture > Soils > Microflora
EARTH SCIENCE > Agriculture > Soils > Micronutrients/Trace Elements
EARTH SCIENCE > Agriculture > Soils > Nitrogen
EARTH SCIENCE > Agriculture > Soils > Organic Matter
EARTH SCIENCE > Agriculture > Soils > Permafrost
EARTH SCIENCE > Agriculture > Soils > Phosphorus
EARTH SCIENCE > Agriculture > Soils > Potassium
EARTH SCIENCE > Agriculture > Soils > Reclamation/Revegetation/Restoration
EARTH SCIENCE > Agriculture > Soils > Soil Absorption
EARTH SCIENCE > Agriculture > Soils > Soil Bulk Density
EARTH SCIENCE > Agriculture > Soils > Soil Chemistry
EARTH SCIENCE > Agriculture > Soils > Soil Classification
EARTH SCIENCE > Agriculture > Soils > Soil Color
EARTH SCIENCE > Agriculture > Soils > Soil Compaction
EARTH SCIENCE > Agriculture > Soils > Soil Consistence
EARTH SCIENCE > Agriculture > Soils > Soil Depth
EARTH SCIENCE > Agriculture > Soils > Soil Erosion
EARTH SCIENCE > Agriculture > Soils > Soil Fertility
EARTH SCIENCE > Agriculture > Soils > Soil Gas/Air
EARTH SCIENCE > Agriculture > Soils > Soil Heat Budget
EARTH SCIENCE > Agriculture > Soils > Soil Horizons/Profile
EARTH SCIENCE > Agriculture > Soils > Soil Impedance
EARTH SCIENCE > Agriculture > Soils > Soil Infiltration
EARTH SCIENCE > Agriculture > Soils > Soil Mechanics
EARTH SCIENCE > Agriculture > Soils > Soil Moisture/Water Content
EARTH SCIENCE > Agriculture > Soils > Soil pH
EARTH SCIENCE > Agriculture > Soils > Soil Plasticity
EARTH SCIENCE > Agriculture > Soils > Soil Porosity
EARTH SCIENCE > Agriculture > Soils > Soil Productivity
EARTH SCIENCE > Agriculture > Soils > Soil Respiration
EARTH SCIENCE > Agriculture > Soils > Soil Rooting Depth
EARTH SCIENCE > Agriculture > Soils > Soil Salinity/Soil Sodicity
EARTH SCIENCE > Agriculture > Soils > Soil Structure
EARTH SCIENCE > Agriculture > Soils > Soil Temperature
EARTH SCIENCE > Agriculture > Soils > Soil Texture
EARTH SCIENCE > Agriculture > Soils > Soil Water Holding Capacity
EARTH SCIENCE > Agriculture > Soils > Sulfur
EARTH SCIENCE > Agriculture > Soils > Thermal Conductivity
EARTH SCIENCE > Atmosphere > Aerosols > Aerosol Backscatter
EARTH SCIENCE > Atmosphere > Aerosols > Aerosol Extinction
EARTH SCIENCE > Atmosphere > Aerosols > Aerosol Optical Depth/Thickness
EARTH SCIENCE > Atmosphere > Aerosols > Aerosol Particle Properties
EARTH SCIENCE > Atmosphere > Aerosols > Aerosol Radiance
EARTH SCIENCE > Atmosphere > Aerosols > Carbonaceous Aerosols
EARTH SCIENCE > Atmosphere > Aerosols > Cloud Condensation Nuclei
EARTH SCIENCE > Atmosphere > Aerosols > Dust/Ash
EARTH SCIENCE > Atmosphere > Aerosols > Nitrate Particles
EARTH SCIENCE > Atmosphere > Aerosols > Organic Particles
EARTH SCIENCE > Atmosphere > Aerosols > Particulate Matter
EARTH SCIENCE > Atmosphere > Aerosols > Sulfate Particles
EARTH SCIENCE > Atmosphere > Air Quality > Carbon Monoxide
EARTH SCIENCE > Atmosphere > Air Quality > Emissions
EARTH SCIENCE > Atmosphere > Air Quality > Lead
EARTH SCIENCE > Atmosphere > Air Quality > Nitrogen Oxides
EARTH SCIENCE > Atmosphere > Air Quality > Particulates
EARTH SCIENCE > Atmosphere > Air Quality > Smog
EARTH SCIENCE > Atmosphere > Air Quality > Sulfur Oxides
EARTH SCIENCE > Atmosphere > Air Quality > Tropospheric Ozone
EARTH SCIENCE > Atmosphere > Air Quality > Turbidity
EARTH SCIENCE > Atmosphere > Air Quality > Visibility
EARTH SCIENCE > Atmosphere > Air Quality > Volatile Organic Compounds
EARTH SCIENCE > Atmosphere > Altitude > Barometric Altitude
EARTH SCIENCE > Atmosphere > Altitude > Geopotential Height
EARTH SCIENCE > Atmosphere > Altitude > Mesopause
EARTH SCIENCE > Atmosphere > Altitude > Planetary Boundary Layer Height

EARTH SCIENCE > Atmosphere > Altitude > Station Height
EARTH SCIENCE > Atmosphere > Altitude > Stratopause
EARTH SCIENCE > Atmosphere > Altitude > Tropopause
EARTH SCIENCE > Atmosphere > Atmospheric Chemistry > Photolysis Rates
EARTH SCIENCE > Atmosphere > Atmospheric Chemistry > Trace Elements/Trace Metals
EARTH SCIENCE > Atmosphere > Atmospheric Chemistry > Trace Gases/Trace Species
EARTH SCIENCE > Atmosphere > Atmospheric Chemistry/Carbon and Hydrocarbon Compounds > Carbon Dioxide
EARTH SCIENCE > Atmosphere > Atmospheric Chemistry/Carbon and Hydrocarbon Compounds > Carbon Monoxide
EARTH SCIENCE > Atmosphere > Atmospheric Chemistry/Carbon and Hydrocarbon Compounds > Chlorinated Hydrocarbons
EARTH SCIENCE > Atmosphere > Atmospheric Chemistry/Carbon and Hydrocarbon Compounds > Formaldehyde
EARTH SCIENCE > Atmosphere > Atmospheric Chemistry/Carbon and Hydrocarbon Compounds > Hydrogen Cyanide
EARTH SCIENCE > Atmosphere > Atmospheric Chemistry/Carbon and Hydrocarbon Compounds > Hypochlorous Monoxide
EARTH SCIENCE > Atmosphere > Atmospheric Chemistry/Carbon and Hydrocarbon Compounds > Methane
EARTH SCIENCE > Atmosphere > Atmospheric Chemistry/Carbon and Hydrocarbon Compounds > Methyl Cyanide
EARTH SCIENCE > Atmosphere > Atmospheric Chemistry/Carbon and Hydrocarbon Compounds > Non-methane Hydrocarbons
EARTH SCIENCE > Atmosphere > Atmospheric Chemistry/Carbon and Hydrocarbon Compounds > Volatile Organic Compounds
EARTH SCIENCE > Atmosphere > Atmospheric Chemistry/Halons and Halogens > Bromine Monoxide
EARTH SCIENCE > Atmosphere > Atmospheric Chemistry/Halons and Halogens > Chlorine Dioxide
EARTH SCIENCE > Atmosphere > Atmospheric Chemistry/Halons and Halogens > Chlorine Monoxide
EARTH SCIENCE > Atmosphere > Atmospheric Chemistry/Halons and Halogens > Chlorine Nitrate
EARTH SCIENCE > Atmosphere > Atmospheric Chemistry/Halons and Halogens > Chlorofluorocarbons
EARTH SCIENCE > Atmosphere > Atmospheric Chemistry/Halons and Halogens > Halocarbons
EARTH SCIENCE > Atmosphere > Atmospheric Chemistry/Halons and Halogens > Hydrochlorofluorocarbons
EARTH SCIENCE > Atmosphere > Atmospheric Chemistry/Halons and Halogens > Hydrofluorocarbons
EARTH SCIENCE > Atmosphere > Atmospheric Chemistry/Halons and Halogens > Hydrogen Chloride
EARTH SCIENCE > Atmosphere > Atmospheric Chemistry/Halons and Halogens > Hydrogen Fluoride
EARTH SCIENCE > Atmosphere > Atmospheric Chemistry/Halons and Halogens > Hypochlorous Acid
EARTH SCIENCE > Atmosphere > Atmospheric Chemistry/Hydrogen Compounds > Hydroperoxy
EARTH SCIENCE > Atmosphere > Atmospheric Chemistry/Hydrogen Compounds > Hydroxyl
EARTH SCIENCE > Atmosphere > Atmospheric Chemistry/Nitrogen Compounds > Ammonia
EARTH SCIENCE > Atmosphere > Atmospheric Chemistry/Nitrogen Compounds > Dinitrogen Pentoxide
EARTH SCIENCE > Atmosphere > Atmospheric Chemistry/Nitrogen Compounds > Nitric Acid
EARTH SCIENCE > Atmosphere > Atmospheric Chemistry/Nitrogen Compounds > Nitric Oxide
EARTH SCIENCE > Atmosphere > Atmospheric Chemistry/Nitrogen Compounds > Nitrogen
EARTH SCIENCE > Atmosphere > Atmospheric Chemistry/Nitrogen Compounds > Nitrogen Dioxide
EARTH SCIENCE > Atmosphere > Atmospheric Chemistry/Nitrogen Compounds > Nitrogen Oxides
EARTH SCIENCE > Atmosphere > Atmospheric Chemistry/Nitrogen Compounds > Nitrous Oxide
EARTH SCIENCE > Atmosphere > Atmospheric Chemistry/Oxygen Compounds > Oxygen
EARTH SCIENCE > Atmosphere > Atmospheric Chemistry/Oxygen Compounds > Ozone
EARTH SCIENCE > Atmosphere > Atmospheric Chemistry/Sulfur Compounds > Carbonyl Sulfide
EARTH SCIENCE > Atmosphere > Atmospheric Chemistry/Sulfur Compounds > Dimethyl Sulfide
EARTH SCIENCE > Atmosphere > Atmospheric Chemistry/Sulfur Compounds > Sulfur Dioxide
EARTH SCIENCE > Atmosphere > Atmospheric Chemistry/Sulfur Compounds > Sulfur Oxides
EARTH SCIENCE > Atmosphere > Atmospheric Electricity > Atmospheric Conductivity
EARTH SCIENCE > Atmosphere > Atmospheric Electricity > Electric Field
EARTH SCIENCE > Atmosphere > Atmospheric Electricity > Lightning
EARTH SCIENCE > Atmosphere > Atmospheric Electricity > Total Electron Content
EARTH SCIENCE > Atmosphere > Atmospheric Phenomena > Cyclones
EARTH SCIENCE > Atmosphere > Atmospheric Phenomena > Drought
EARTH SCIENCE > Atmosphere > Atmospheric Phenomena > Fog
EARTH SCIENCE > Atmosphere > Atmospheric Phenomena > Freeze
EARTH SCIENCE > Atmosphere > Atmospheric Phenomena > Frost
EARTH SCIENCE > Atmosphere > Atmospheric Phenomena > Hurricanes
EARTH SCIENCE > Atmosphere > Atmospheric Phenomena > Lightning
EARTH SCIENCE > Atmosphere > Atmospheric Phenomena > Monsoons
EARTH SCIENCE > Atmosphere > Atmospheric Phenomena > Storms
EARTH SCIENCE > Atmosphere > Atmospheric Phenomena > Tornados
EARTH SCIENCE > Atmosphere > Atmospheric Phenomena > Typhoons
EARTH SCIENCE > Atmosphere > Atmospheric Pressure > Anticyclones/Cyclones
EARTH SCIENCE > Atmosphere > Atmospheric Pressure > Atmospheric Pressure Measurements
EARTH SCIENCE > Atmosphere > Atmospheric Pressure > Differential Pressure
EARTH SCIENCE > Atmosphere > Atmospheric Pressure > Gravity Wave
EARTH SCIENCE > Atmosphere > Atmospheric Pressure > Hydrostatic Pressure
EARTH SCIENCE > Atmosphere > Atmospheric Pressure > Oscillations
EARTH SCIENCE > Atmosphere > Atmospheric Pressure > Planetary Boundary Layer Height
EARTH SCIENCE > Atmosphere > Atmospheric Pressure > Planetary/Rossby Waves

EARTH SCIENCE > Atmosphere > Atmospheric Pressure > Pressure Anomalies
EARTH SCIENCE > Atmosphere > Atmospheric Pressure > Pressure Tendency
EARTH SCIENCE > Atmosphere > Atmospheric Pressure > Pressure Thickness
EARTH SCIENCE > Atmosphere > Atmospheric Pressure > Sea Level Pressure
EARTH SCIENCE > Atmosphere > Atmospheric Pressure > Static Pressure
EARTH SCIENCE > Atmosphere > Atmospheric Pressure > Surface Pressure
EARTH SCIENCE > Atmosphere > Atmospheric Pressure > Topographic Waves
EARTH SCIENCE > Atmosphere > Atmospheric Radiation > Absorption
EARTH SCIENCE > Atmosphere > Atmospheric Radiation > Airglow
EARTH SCIENCE > Atmosphere > Atmospheric Radiation > Albedo
EARTH SCIENCE > Atmosphere > Atmospheric Radiation > Anisotropy
EARTH SCIENCE > Atmosphere > Atmospheric Radiation > Atmospheric Emitted Radiation
EARTH SCIENCE > Atmosphere > Atmospheric Radiation > Atmospheric Heating
EARTH SCIENCE > Atmosphere > Atmospheric Radiation > Emissivity
EARTH SCIENCE > Atmosphere > Atmospheric Radiation > Heat Flux
EARTH SCIENCE > Atmosphere > Atmospheric Radiation > Incoming Solar Radiation
EARTH SCIENCE > Atmosphere > Atmospheric Radiation > Longwave Radiation
EARTH SCIENCE > Atmosphere > Atmospheric Radiation > Net Radiation
EARTH SCIENCE > Atmosphere > Atmospheric Radiation > Optical Depth/Thickness
EARTH SCIENCE > Atmosphere > Atmospheric Radiation > Outgoing Longwave Radiation
EARTH SCIENCE > Atmosphere > Atmospheric Radiation > Radiative Flux
EARTH SCIENCE > Atmosphere > Atmospheric Radiation > Radiative Forcing
EARTH SCIENCE > Atmosphere > Atmospheric Radiation > Reflectance
EARTH SCIENCE > Atmosphere > Atmospheric Radiation > Scattering
EARTH SCIENCE > Atmosphere > Atmospheric Radiation > Shortwave Radiation
EARTH SCIENCE > Atmosphere > Atmospheric Radiation > Solar Irradiance
EARTH SCIENCE > Atmosphere > Atmospheric Radiation > Solar Radiation
EARTH SCIENCE > Atmosphere > Atmospheric Radiation > Sunshine
EARTH SCIENCE > Atmosphere > Atmospheric Radiation > Transmittance
EARTH SCIENCE > Atmosphere > Atmospheric Radiation > Ultraviolet Radiation
EARTH SCIENCE > Atmosphere > Atmospheric Temperature > Air Temperature
EARTH SCIENCE > Atmosphere > Atmospheric Temperature > Atmospheric Stability
EARTH SCIENCE > Atmosphere > Atmospheric Temperature > Boundary Layer Temperature
EARTH SCIENCE > Atmosphere > Atmospheric Temperature > Degree Days
EARTH SCIENCE > Atmosphere > Atmospheric Temperature > Deiced Temperature
EARTH SCIENCE > Atmosphere > Atmospheric Temperature > Dew Point Temperature
EARTH SCIENCE > Atmosphere > Atmospheric Temperature > Inversion Height
EARTH SCIENCE > Atmosphere > Atmospheric Temperature > Maximum/Minimum Temperature
EARTH SCIENCE > Atmosphere > Atmospheric Temperature > Potential Temperature
EARTH SCIENCE > Atmosphere > Atmospheric Temperature > Skin Temperature
EARTH SCIENCE > Atmosphere > Atmospheric Temperature > Static Temperature
EARTH SCIENCE > Atmosphere > Atmospheric Temperature > Surface Air Temperature
EARTH SCIENCE > Atmosphere > Atmospheric Temperature > Temperature Anomalies
EARTH SCIENCE > Atmosphere > Atmospheric Temperature > Temperature Profiles
EARTH SCIENCE > Atmosphere > Atmospheric Temperature > Temperature Tendency
EARTH SCIENCE > Atmosphere > Atmospheric Temperature > Virtual Temperature
EARTH SCIENCE > Atmosphere > Atmospheric Water Vapor > Condensation
EARTH SCIENCE > Atmosphere > Atmospheric Water Vapor > Dew Point Temperature
EARTH SCIENCE > Atmosphere > Atmospheric Water Vapor > Evaporation
EARTH SCIENCE > Atmosphere > Atmospheric Water Vapor > Evapotranspiration
EARTH SCIENCE > Atmosphere > Atmospheric Water Vapor > Humidity
EARTH SCIENCE > Atmosphere > Atmospheric Water Vapor > Precipitable Water
EARTH SCIENCE > Atmosphere > Atmospheric Water Vapor > Sublimation
EARTH SCIENCE > Atmosphere > Atmospheric Water Vapor > Water Vapor
EARTH SCIENCE > Atmosphere > Atmospheric Water Vapor > Water Vapor Profiles
EARTH SCIENCE > Atmosphere > Atmospheric Water Vapor > Water Vapor Tendency
EARTH SCIENCE > Atmosphere > Atmospheric Winds > Boundary Layer Winds
EARTH SCIENCE > Atmosphere > Atmospheric Winds > Convection
EARTH SCIENCE > Atmosphere > Atmospheric Winds > Convergence/Divergence
EARTH SCIENCE > Atmosphere > Atmospheric Winds > Flight Level Winds
EARTH SCIENCE > Atmosphere > Atmospheric Winds > Streamfunctions
EARTH SCIENCE > Atmosphere > Atmospheric Winds > Surface Winds
EARTH SCIENCE > Atmosphere > Atmospheric Winds > Turbulence
EARTH SCIENCE > Atmosphere > Atmospheric Winds > Upper Level Winds
EARTH SCIENCE > Atmosphere > Atmospheric Winds > Vertical Wind Motion
EARTH SCIENCE > Atmosphere > Atmospheric Winds > Vorticity

EARTH SCIENCE > Atmosphere > Atmospheric Winds > Wind Chill
EARTH SCIENCE > Atmosphere > Atmospheric Winds > Wind Profiles
EARTH SCIENCE > Atmosphere > Atmospheric Winds > Wind Shear
EARTH SCIENCE > Atmosphere > Atmospheric Winds > Wind Stress
EARTH SCIENCE > Atmosphere > Atmospheric Winds > Wind Tendency
EARTH SCIENCE > Atmosphere > Clouds > Cloud Amount/Frequency
EARTH SCIENCE > Atmosphere > Clouds > Cloud Asymmetry
EARTH SCIENCE > Atmosphere > Clouds > Cloud Base
EARTH SCIENCE > Atmosphere > Clouds > Cloud Base Temperature
EARTH SCIENCE > Atmosphere > Clouds > Cloud Ceiling
EARTH SCIENCE > Atmosphere > Clouds > Cloud Condensation Nuclei
EARTH SCIENCE > Atmosphere > Clouds > Cloud Emissivity
EARTH SCIENCE > Atmosphere > Clouds > Cloud Forcing
EARTH SCIENCE > Atmosphere > Clouds > Cloud Height
EARTH SCIENCE > Atmosphere > Clouds > Cloud Liquid Water/Ice
EARTH SCIENCE > Atmosphere > Clouds > Cloud Mass Flux
EARTH SCIENCE > Atmosphere > Clouds > Cloud Optical Depth/Thickness
EARTH SCIENCE > Atmosphere > Clouds > Cloud Precipitable Water
EARTH SCIENCE > Atmosphere > Clouds > Cloud Reflectance
EARTH SCIENCE > Atmosphere > Clouds > Cloud Top Pressure
EARTH SCIENCE > Atmosphere > Clouds > Cloud Top Temperature
EARTH SCIENCE > Atmosphere > Clouds > Cloud Types
EARTH SCIENCE > Atmosphere > Clouds > Cloud Vertical Distribution
EARTH SCIENCE > Atmosphere > Clouds > Droplet Concentration/Size
EARTH SCIENCE > Atmosphere > Precipitation > Acid Rain
EARTH SCIENCE > Atmosphere > Precipitation > Droplet Size
EARTH SCIENCE > Atmosphere > Precipitation > Freezing Rain
EARTH SCIENCE > Atmosphere > Precipitation > Hail
EARTH SCIENCE > Atmosphere > Precipitation > Hydrometeors
EARTH SCIENCE > Atmosphere > Precipitation > Liquid Water Equivalent
EARTH SCIENCE > Atmosphere > Precipitation > Precipitation Amount
EARTH SCIENCE > Atmosphere > Precipitation > Precipitation Anomalies
EARTH SCIENCE > Atmosphere > Precipitation > Precipitation Rate
EARTH SCIENCE > Atmosphere > Precipitation > Rain
EARTH SCIENCE > Atmosphere > Precipitation > Sleet
EARTH SCIENCE > Atmosphere > Precipitation > Snow
EARTH SCIENCE > Biosphere > Animal Taxonomy > Amphibians
EARTH SCIENCE > Biosphere > Animal Taxonomy > Anemones
EARTH SCIENCE > Biosphere > Animal Taxonomy > Arachnids
EARTH SCIENCE > Biosphere > Animal Taxonomy > Arthropods
EARTH SCIENCE > Biosphere > Animal Taxonomy > Birds
EARTH SCIENCE > Biosphere > Animal Taxonomy > Centipedes
EARTH SCIENCE > Biosphere > Animal Taxonomy > Corals
EARTH SCIENCE > Biosphere > Animal Taxonomy > Crustaceans
EARTH SCIENCE > Biosphere > Animal Taxonomy > Echinoderms
EARTH SCIENCE > Biosphere > Animal Taxonomy > Fish
EARTH SCIENCE > Biosphere > Animal Taxonomy > Flatworms
EARTH SCIENCE > Biosphere > Animal Taxonomy > Insects
EARTH SCIENCE > Biosphere > Animal Taxonomy > Jellyfish
EARTH SCIENCE > Biosphere > Animal Taxonomy > Mammals
EARTH SCIENCE > Biosphere > Animal Taxonomy > Millipedes
EARTH SCIENCE > Biosphere > Animal Taxonomy > Mollusks
EARTH SCIENCE > Biosphere > Animal Taxonomy > Reptiles
EARTH SCIENCE > Biosphere > Animal Taxonomy > Roundworms
EARTH SCIENCE > Biosphere > Animal Taxonomy > Segmented Worms
EARTH SCIENCE > Biosphere > Animal Taxonomy > Sponges
EARTH SCIENCE > Biosphere > Animal Taxonomy > Vertebrates
EARTH SCIENCE > Biosphere > Animal Taxonomy > Zooplankton
EARTH SCIENCE > Biosphere > Aquatic Habitat > Benthic Habitat
EARTH SCIENCE > Biosphere > Aquatic Habitat > Coastal Habitat
EARTH SCIENCE > Biosphere > Aquatic Habitat > Demersal Habitat
EARTH SCIENCE > Biosphere > Aquatic Habitat > Estuarine Habitat
EARTH SCIENCE > Biosphere > Aquatic Habitat > Lakes
EARTH SCIENCE > Biosphere > Aquatic Habitat > Pelagic Habitat
EARTH SCIENCE > Biosphere > Aquatic Habitat > Reef Habitat
EARTH SCIENCE > Biosphere > Aquatic Habitat > Rivers/Stream Habitat

EARTH SCIENCE > Biosphere > Aquatic Habitat > Saline Lakes
EARTH SCIENCE > Biosphere > Ecological Dynamics > Adaptation
EARTH SCIENCE > Biosphere > Ecological Dynamics > Bioaccumulation
EARTH SCIENCE > Biosphere > Ecological Dynamics > Bioavailability
EARTH SCIENCE > Biosphere > Ecological Dynamics > Biodiversity
EARTH SCIENCE > Biosphere > Ecological Dynamics > Biogeochemical Cycles
EARTH SCIENCE > Biosphere > Ecological Dynamics > Bioluminescence
EARTH SCIENCE > Biosphere > Ecological Dynamics > Biomass
EARTH SCIENCE > Biosphere > Ecological Dynamics > Chemosynthesis
EARTH SCIENCE > Biosphere > Ecological Dynamics > Community Structure
EARTH SCIENCE > Biosphere > Ecological Dynamics > Competition
EARTH SCIENCE > Biosphere > Ecological Dynamics > Consumption
EARTH SCIENCE > Biosphere > Ecological Dynamics > Decomposition
EARTH SCIENCE > Biosphere > Ecological Dynamics > Diurnal Movements
EARTH SCIENCE > Biosphere > Ecological Dynamics > Dominance
EARTH SCIENCE > Biosphere > Ecological Dynamics > Endangered Species
EARTH SCIENCE > Biosphere > Ecological Dynamics > Excretion
EARTH SCIENCE > Biosphere > Ecological Dynamics > Extinction
EARTH SCIENCE > Biosphere > Ecological Dynamics > Feeding Habitat
EARTH SCIENCE > Biosphere > Ecological Dynamics > Fire Characteristics
EARTH SCIENCE > Biosphere > Ecological Dynamics > Fire Occurrence
EARTH SCIENCE > Biosphere > Ecological Dynamics > Food-web Dynamics
EARTH SCIENCE > Biosphere > Ecological Dynamics > Herbivory
EARTH SCIENCE > Biosphere > Ecological Dynamics > Indicator Species
EARTH SCIENCE > Biosphere > Ecological Dynamics > Invasive Species
EARTH SCIENCE > Biosphere > Ecological Dynamics > Life History
EARTH SCIENCE > Biosphere > Ecological Dynamics > Migratory Rates/Routes
EARTH SCIENCE > Biosphere > Ecological Dynamics > Mutation
EARTH SCIENCE > Biosphere > Ecological Dynamics > Mutualism
EARTH SCIENCE > Biosphere > Ecological Dynamics > Nutrient Cycling
EARTH SCIENCE > Biosphere > Ecological Dynamics > Oxygen Demand
EARTH SCIENCE > Biosphere > Ecological Dynamics > Parasitism
EARTH SCIENCE > Biosphere > Ecological Dynamics > Photosynthesis
EARTH SCIENCE > Biosphere > Ecological Dynamics > Pollinator Species
EARTH SCIENCE > Biosphere > Ecological Dynamics > Population Dynamics
EARTH SCIENCE > Biosphere > Ecological Dynamics > Post-breeding
EARTH SCIENCE > Biosphere > Ecological Dynamics > Predation
EARTH SCIENCE > Biosphere > Ecological Dynamics > Primary Production
EARTH SCIENCE > Biosphere > Ecological Dynamics > Range Changes
EARTH SCIENCE > Biosphere > Ecological Dynamics > Respiration
EARTH SCIENCE > Biosphere > Ecological Dynamics > Scavenging
EARTH SCIENCE > Biosphere > Ecological Dynamics > Secondary Production
EARTH SCIENCE > Biosphere > Ecological Dynamics > Selection
EARTH SCIENCE > Biosphere > Ecological Dynamics > Species Recruitment
EARTH SCIENCE > Biosphere > Ecological Dynamics > Succession
EARTH SCIENCE > Biosphere > Ecological Dynamics > Survival
EARTH SCIENCE > Biosphere > Ecological Dynamics > Symbiosis
EARTH SCIENCE > Biosphere > Ecological Dynamics > Toxicity
EARTH SCIENCE > Biosphere > Ecological Dynamics > Trophic Dynamics
EARTH SCIENCE > Biosphere > Fungi > Biomass
EARTH SCIENCE > Biosphere > Fungi Taxonomy > Molds
EARTH SCIENCE > Biosphere > Fungi Taxonomy > Mushrooms
EARTH SCIENCE > Biosphere > Fungi Taxonomy > Slime Molds
EARTH SCIENCE > Biosphere > Fungi Taxonomy > Sporozoans
EARTH SCIENCE > Biosphere > Fungi Taxonomy > Yeast
EARTH SCIENCE > Biosphere > Microbiota > Biomass
EARTH SCIENCE > Biosphere > Microbiota > Chlorophyll
EARTH SCIENCE > Biosphere > Microbiota > Pigments
EARTH SCIENCE > Biosphere > Microbiota Taxonomy > Amoebae
EARTH SCIENCE > Biosphere > Microbiota Taxonomy > Bacteria
EARTH SCIENCE > Biosphere > Microbiota Taxonomy > Blue-green Algae
EARTH SCIENCE > Biosphere > Microbiota Taxonomy > Ciliates
EARTH SCIENCE > Biosphere > Microbiota Taxonomy > Coccolithophores
EARTH SCIENCE > Biosphere > Microbiota Taxonomy > Diatoms
EARTH SCIENCE > Biosphere > Microbiota Taxonomy > Flagellates
EARTH SCIENCE > Biosphere > Microbiota Taxonomy > Foraminifers

EARTH SCIENCE > Biosphere > Microbiota Taxonomy > Microalgae
EARTH SCIENCE > Biosphere > Microbiota Taxonomy > Phytoplankton
EARTH SCIENCE > Biosphere > Microbiota Taxonomy > Plankton
EARTH SCIENCE > Biosphere > Microbiota Taxonomy > Protists
EARTH SCIENCE > Biosphere > Microbiota Taxonomy > Radiolarians
EARTH SCIENCE > Biosphere > Microbiota Taxonomy > Zooplankton
EARTH SCIENCE > Biosphere > Plant Taxonomy > Algae
EARTH SCIENCE > Biosphere > Plant Taxonomy > Conifers
EARTH SCIENCE > Biosphere > Plant Taxonomy > Ferns
EARTH SCIENCE > Biosphere > Plant Taxonomy > Flowering Plants
EARTH SCIENCE > Biosphere > Plant Taxonomy > Lichens
EARTH SCIENCE > Biosphere > Plant Taxonomy > Macroalgae
EARTH SCIENCE > Biosphere > Plant Taxonomy > Microphytes
EARTH SCIENCE > Biosphere > Plant Taxonomy > Mosses and Liverworts
EARTH SCIENCE > Biosphere > Plant Taxonomy > Phytoplankton
EARTH SCIENCE > Biosphere > Terrestrial Ecosystems > Agricultural Lands
EARTH SCIENCE > Biosphere > Terrestrial Ecosystems > Alpine/Tundra
EARTH SCIENCE > Biosphere > Terrestrial Ecosystems > Beaches
EARTH SCIENCE > Biosphere > Terrestrial Ecosystems > Deserts
EARTH SCIENCE > Biosphere > Terrestrial Ecosystems > Dunes
EARTH SCIENCE > Biosphere > Terrestrial Ecosystems > Forests
EARTH SCIENCE > Biosphere > Terrestrial Ecosystems > Grasslands
EARTH SCIENCE > Biosphere > Terrestrial Ecosystems > Islands
EARTH SCIENCE > Biosphere > Terrestrial Ecosystems > Karst Landscape
EARTH SCIENCE > Biosphere > Terrestrial Ecosystems > Montane Habitats
EARTH SCIENCE > Biosphere > Terrestrial Ecosystems > Savannas
EARTH SCIENCE > Biosphere > Terrestrial Ecosystems > Shrubland/Scrub
EARTH SCIENCE > Biosphere > Terrestrial Ecosystems > Urban Lands
EARTH SCIENCE > Biosphere > Terrestrial Ecosystems > Wetlands
EARTH SCIENCE > Biosphere > Vegetation > Afforestation/Reforestation
EARTH SCIENCE > Biosphere > Vegetation > Biomass
EARTH SCIENCE > Biosphere > Vegetation > Canopy Characteristics
EARTH SCIENCE > Biosphere > Vegetation > Carbon
EARTH SCIENCE > Biosphere > Vegetation > Chlorophyll
EARTH SCIENCE > Biosphere > Vegetation > Crown
EARTH SCIENCE > Biosphere > Vegetation > Deciduous Vegetation
EARTH SCIENCE > Biosphere > Vegetation > Dominant Species
EARTH SCIENCE > Biosphere > Vegetation > Evergreen Vegetation
EARTH SCIENCE > Biosphere > Vegetation > Exotic Vegetation
EARTH SCIENCE > Biosphere > Vegetation > Forest Composition/Vegetation Structure
EARTH SCIENCE > Biosphere > Vegetation > Herbivory
EARTH SCIENCE > Biosphere > Vegetation > Importance Value
EARTH SCIENCE > Biosphere > Vegetation > Indigenous Vegetation
EARTH SCIENCE > Biosphere > Vegetation > Leaf Characteristics
EARTH SCIENCE > Biosphere > Vegetation > Litter Characteristics
EARTH SCIENCE > Biosphere > Vegetation > Macrophytes
EARTH SCIENCE > Biosphere > Vegetation > Nitrogen
EARTH SCIENCE > Biosphere > Vegetation > Nutrients
EARTH SCIENCE > Biosphere > Vegetation > Phosphorus
EARTH SCIENCE > Biosphere > Vegetation > Photosynthetically Active Radiation
EARTH SCIENCE > Biosphere > Vegetation > Pigments
EARTH SCIENCE > Biosphere > Vegetation > Plant Characteristics
EARTH SCIENCE > Biosphere > Vegetation > Plant Phenology
EARTH SCIENCE > Biosphere > Vegetation > Pollen
EARTH SCIENCE > Biosphere > Vegetation > Reclamation/Revegetation/Restoration
EARTH SCIENCE > Biosphere > Vegetation > Reforestation
EARTH SCIENCE > Biosphere > Vegetation > Tree Rings
EARTH SCIENCE > Biosphere > Vegetation > Vegetation Cover
EARTH SCIENCE > Biosphere > Vegetation > Vegetation Index
EARTH SCIENCE > Biosphere > Vegetation > Vegetation Species
EARTH SCIENCE > Biosphere > Wetlands > Estuarine Wetlands
EARTH SCIENCE > Biosphere > Wetlands > Lacustrine Wetlands
EARTH SCIENCE > Biosphere > Wetlands > Marine
EARTH SCIENCE > Biosphere > Wetlands > Marshes
EARTH SCIENCE > Biosphere > Wetlands > Palustrine Wetlands
EARTH SCIENCE > Biosphere > Wetlands > Peatlands

EARTH SCIENCE > Biosphere > Wetlands > Riparian Wetlands
EARTH SCIENCE > Biosphere > Wetlands > Swamps
EARTH SCIENCE > Biosphere > Zoology > Biomass
EARTH SCIENCE > Biosphere > Zoology > Exotic Species
EARTH SCIENCE > Biosphere > Zoology > Indigenous Species
EARTH SCIENCE > Biosphere > Zoology > Invertebrates
EARTH SCIENCE > Climate Indicators > Air Temperature Indices > Common Sense Climate Index
EARTH SCIENCE > Climate Indicators > Drought Indices > Palmer Drought Crop Moisture Index
EARTH SCIENCE > Climate Indicators > Drought Indices > Palmer Drought Severity Index
EARTH SCIENCE > Climate Indicators > Fire Weather Indices > Fire Weather Index
EARTH SCIENCE > Climate Indicators > Fire Weather Indices > Forest Fire Danger Index
EARTH SCIENCE > Climate Indicators > Humidity Indices > Humidity Index
EARTH SCIENCE > Climate Indicators > Hydrologic/Ocean Indices > Crop Moisture Index
EARTH SCIENCE > Climate Indicators > Hydrologic/Ocean Indices > Kaplan SST Index
EARTH SCIENCE > Climate Indicators > Hydrologic/Ocean Indices > Satellite Soil Moisture Index
EARTH SCIENCE > Climate Indicators > Hydrologic/Ocean Indices > Surface Moisture Index
EARTH SCIENCE > Climate Indicators > Precipitation Indices > Standardized Precipitation Index
EARTH SCIENCE > Climate Indicators > Teleconnections > Antarctic Oscillation
EARTH SCIENCE > Climate Indicators > Teleconnections > Arctic Oscillation
EARTH SCIENCE > Climate Indicators > Teleconnections > Blocking Index
EARTH SCIENCE > Climate Indicators > Teleconnections > El Nino Southern Oscillation
EARTH SCIENCE > Climate Indicators > Teleconnections > Madden-Julian Oscillation
EARTH SCIENCE > Climate Indicators > Teleconnections > North Atlantic Oscillation
EARTH SCIENCE > Climate Indicators > Teleconnections > North Pacific Oscillation
EARTH SCIENCE > Climate Indicators > Teleconnections > Pacific Decadal Oscillation
EARTH SCIENCE > Climate Indicators > Teleconnections > Pacific/North American (PNA) Pattern
EARTH SCIENCE > Climate Indicators > Teleconnections > Quasi-biennial Oscillation
EARTH SCIENCE > Climate Indicators > Teleconnections > Wind and Circulation Indices
EARTH SCIENCE > Cryosphere > Frozen Ground > Active Layer
EARTH SCIENCE > Cryosphere > Frozen Ground > Cryosols
EARTH SCIENCE > Cryosphere > Frozen Ground > Ground Ice
EARTH SCIENCE > Cryosphere > Frozen Ground > Periglacial Processes
EARTH SCIENCE > Cryosphere > Frozen Ground > Permafrost
EARTH SCIENCE > Cryosphere > Frozen Ground > Rock Glaciers
EARTH SCIENCE > Cryosphere > Frozen Ground > Seasonally Frozen Ground
EARTH SCIENCE > Cryosphere > Frozen Ground > Soil Temperature
EARTH SCIENCE > Cryosphere > Frozen Ground > Talik
EARTH SCIENCE > Cryosphere > Glaciers/Ice Sheets > Ablation Zones/Accumulation Zones
EARTH SCIENCE > Cryosphere > Glaciers/Ice Sheets > Firn
EARTH SCIENCE > Cryosphere > Glaciers/Ice Sheets > Glacier Elevation/Ice Sheet Elevation
EARTH SCIENCE > Cryosphere > Glaciers/Ice Sheets > Glacier Facies
EARTH SCIENCE > Cryosphere > Glaciers/Ice Sheets > Glacier Mass Balance/Ice Sheet Mass Balance
EARTH SCIENCE > Cryosphere > Glaciers/Ice Sheets > Glacier Motion/Ice Sheet Motion
EARTH SCIENCE > Cryosphere > Glaciers/Ice Sheets > Glacier Thickness/Ice Sheet Thickness
EARTH SCIENCE > Cryosphere > Glaciers/Ice Sheets > Glacier Topography/Ice Sheet Topography
EARTH SCIENCE > Cryosphere > Glaciers/Ice Sheets > Glaciers
EARTH SCIENCE > Cryosphere > Glaciers/Ice Sheets > Ice Sheets
EARTH SCIENCE > Cryosphere > Glaciers/Ice Sheets > Icebergs
EARTH SCIENCE > Cryosphere > Sea Ice > Heat Flux
EARTH SCIENCE > Cryosphere > Sea Ice > Ice Deformation
EARTH SCIENCE > Cryosphere > Sea Ice > Ice Depth/Thickness
EARTH SCIENCE > Cryosphere > Sea Ice > Ice Edges
EARTH SCIENCE > Cryosphere > Sea Ice > Ice Extent
EARTH SCIENCE > Cryosphere > Sea Ice > Ice Floes
EARTH SCIENCE > Cryosphere > Sea Ice > Ice Growth/Melt
EARTH SCIENCE > Cryosphere > Sea Ice > Ice Roughness
EARTH SCIENCE > Cryosphere > Sea Ice > Ice Temperature
EARTH SCIENCE > Cryosphere > Sea Ice > Ice Types
EARTH SCIENCE > Cryosphere > Sea Ice > Icebergs
EARTH SCIENCE > Cryosphere > Sea Ice > Isotopes
EARTH SCIENCE > Cryosphere > Sea Ice > Leads
EARTH SCIENCE > Cryosphere > Sea Ice > Pack Ice
EARTH SCIENCE > Cryosphere > Sea Ice > Polynyas
EARTH SCIENCE > Cryosphere > Sea Ice > Reflectance
EARTH SCIENCE > Cryosphere > Sea Ice > Salinity
EARTH SCIENCE > Cryosphere > Sea Ice > Sea Ice Age

EARTH SCIENCE > Cryosphere > Sea Ice > Sea Ice Concentration
EARTH SCIENCE > Cryosphere > Sea Ice > Sea Ice Elevation
EARTH SCIENCE > Cryosphere > Sea Ice > Sea Ice Motion
EARTH SCIENCE > Cryosphere > Sea Ice > Snow Depth
EARTH SCIENCE > Cryosphere > Sea Ice > Snow Melt
EARTH SCIENCE > Cryosphere > Snow/Ice > Albedo
EARTH SCIENCE > Cryosphere > Snow/Ice > Avalanche
EARTH SCIENCE > Cryosphere > Snow/Ice > Depth Hoar
EARTH SCIENCE > Cryosphere > Snow/Ice > Freeze/Thaw
EARTH SCIENCE > Cryosphere > Snow/Ice > Frost
EARTH SCIENCE > Cryosphere > Snow/Ice > Ice Depth/Thickness
EARTH SCIENCE > Cryosphere > Snow/Ice > Ice Extent
EARTH SCIENCE > Cryosphere > Snow/Ice > Ice Growth/Melt
EARTH SCIENCE > Cryosphere > Snow/Ice > Ice Motion
EARTH SCIENCE > Cryosphere > Snow/Ice > Ice Velocity
EARTH SCIENCE > Cryosphere > Snow/Ice > Lake Ice
EARTH SCIENCE > Cryosphere > Snow/Ice > Permafrost
EARTH SCIENCE > Cryosphere > Snow/Ice > River Ice
EARTH SCIENCE > Cryosphere > Snow/Ice > Snow Cover
EARTH SCIENCE > Cryosphere > Snow/Ice > Snow Density
EARTH SCIENCE > Cryosphere > Snow/Ice > Snow Depth
EARTH SCIENCE > Cryosphere > Snow/Ice > Snow Energy Balance
EARTH SCIENCE > Cryosphere > Snow/Ice > Snow Facies
EARTH SCIENCE > Cryosphere > Snow/Ice > Snow Melt
EARTH SCIENCE > Cryosphere > Snow/Ice > Snow Stratigraphy
EARTH SCIENCE > Cryosphere > Snow/Ice > Snow Water Equivalent
EARTH SCIENCE > Cryosphere > Snow/Ice > Snow/Ice Chemistry
EARTH SCIENCE > Cryosphere > Snow/Ice > Snow/Ice Temperature
EARTH SCIENCE > Cryosphere > Snow/Ice > Whiteout
EARTH SCIENCE > Human Dimensions > Attitudes,preferences,behavior > Consumer Behavior
EARTH SCIENCE > Human Dimensions > Attitudes,preferences,behavior > Recreation
EARTH SCIENCE > Human Dimensions > Attitudes,preferences,behavior > Social Behavior
EARTH SCIENCE > Human Dimensions > Boundaries > Administrative Divisions
EARTH SCIENCE > Human Dimensions > Boundaries > Boundary Surveys
EARTH SCIENCE > Human Dimensions > Boundaries > Political Divisions
EARTH SCIENCE > Human Dimensions > Economic Resources > Agricultural Economics
EARTH SCIENCE > Human Dimensions > Economic Resources > Oil/Gas Production
EARTH SCIENCE > Human Dimensions > Environmental Impacts > Acid Deposition
EARTH SCIENCE > Human Dimensions > Environmental Impacts > Agricultural Expansion
EARTH SCIENCE > Human Dimensions > Environmental Impacts > Biochemical Release
EARTH SCIENCE > Human Dimensions > Environmental Impacts > Biomass Burning
EARTH SCIENCE > Human Dimensions > Environmental Impacts > Chemical Spills
EARTH SCIENCE > Human Dimensions > Environmental Impacts > Civil Disturbance
EARTH SCIENCE > Human Dimensions > Environmental Impacts > Conservation
EARTH SCIENCE > Human Dimensions > Environmental Impacts > Contaminants
EARTH SCIENCE > Human Dimensions > Environmental Impacts > Environmental Assessments
EARTH SCIENCE > Human Dimensions > Environmental Impacts > Fossil Fuel Burning
EARTH SCIENCE > Human Dimensions > Environmental Impacts > Gas Explosions/Leaks
EARTH SCIENCE > Human Dimensions > Environmental Impacts > Gas Flaring
EARTH SCIENCE > Human Dimensions > Environmental Impacts > Heavy Metals
EARTH SCIENCE > Human Dimensions > Environmental Impacts > Industrial Emissions
EARTH SCIENCE > Human Dimensions > Environmental Impacts > Industrialization
EARTH SCIENCE > Human Dimensions > Environmental Impacts > Mine Drainage
EARTH SCIENCE > Human Dimensions > Environmental Impacts > Nuclear Radiation
EARTH SCIENCE > Human Dimensions > Environmental Impacts > Oil Spill
EARTH SCIENCE > Human Dimensions > Environmental Impacts > Sewage
EARTH SCIENCE > Human Dimensions > Environmental Impacts > Urbanization
EARTH SCIENCE > Human Dimensions > Environmental Impacts > Water Management
EARTH SCIENCE > Human Dimensions > Habitat Conversion/Fragmentation > Deforestation
EARTH SCIENCE > Human Dimensions > Habitat Conversion/Fragmentation > Desertification
EARTH SCIENCE > Human Dimensions > Habitat Conversion/Fragmentation > Eutrophication
EARTH SCIENCE > Human Dimensions > Habitat Conversion/Fragmentation > Irrigation
EARTH SCIENCE > Human Dimensions > Habitat Conversion/Fragmentation > Reclamation/Revegetation/Restoration
EARTH SCIENCE > Human Dimensions > Habitat Conversion/Fragmentation > Reforestation
EARTH SCIENCE > Human Dimensions > Human Health > Anatomical Parameters
EARTH SCIENCE > Human Dimensions > Human Health > Diseases/Epidemics

EARTH SCIENCE > Human Dimensions > Human Health > Physiological Parameters
EARTH SCIENCE > Human Dimensions > Human Health > Psychological Parameters
EARTH SCIENCE > Human Dimensions > Human Health > Public Health
EARTH SCIENCE > Human Dimensions > Human Health > Radiation Exposure
EARTH SCIENCE > Human Dimensions > Human Health > Vital Statistics
EARTH SCIENCE > Human Dimensions > Infrastructure > Buildings
EARTH SCIENCE > Human Dimensions > Infrastructure > Communications
EARTH SCIENCE > Human Dimensions > Infrastructure > Cultural Features
EARTH SCIENCE > Human Dimensions > Infrastructure > Electricity
EARTH SCIENCE > Human Dimensions > Infrastructure > Pipelines
EARTH SCIENCE > Human Dimensions > Infrastructure > Transportation
EARTH SCIENCE > Human Dimensions > Land Use/Land Cover > Land Management
EARTH SCIENCE > Human Dimensions > Land Use/Land Cover > Land Tenure
EARTH SCIENCE > Human Dimensions > Land Use/Land Cover > Land Use Classes
EARTH SCIENCE > Human Dimensions > Natural Hazards > Biological Hazards
EARTH SCIENCE > Human Dimensions > Natural Hazards > Fires
EARTH SCIENCE > Human Dimensions > Natural Hazards > Geological Hazards
EARTH SCIENCE > Human Dimensions > Natural Hazards > Hydrological Hazards
EARTH SCIENCE > Human Dimensions > Natural Hazards > Meteorological Hazards
EARTH SCIENCE > Human Dimensions > Population > Population Distribution
EARTH SCIENCE > Human Dimensions > Population > Population Size
EARTH SCIENCE > Hydrosphere > Glaciers/Ice Sheets > Ablation Zones/Accumulation Zones
EARTH SCIENCE > Hydrosphere > Glaciers/Ice Sheets > Firn
EARTH SCIENCE > Hydrosphere > Glaciers/Ice Sheets > Glacier Elevation/Ice Sheet Elevation
EARTH SCIENCE > Hydrosphere > Glaciers/Ice Sheets > Glacier Facies
EARTH SCIENCE > Hydrosphere > Glaciers/Ice Sheets > Glacier Mass Balance/Ice Sheet Mass Balance
EARTH SCIENCE > Hydrosphere > Glaciers/Ice Sheets > Glacier Motion/Ice Sheet Motion
EARTH SCIENCE > Hydrosphere > Glaciers/Ice Sheets > Glacier Thickness/Ice Sheet Thickness
EARTH SCIENCE > Hydrosphere > Glaciers/Ice Sheets > Glacier Topography/Ice Sheet Topography
EARTH SCIENCE > Hydrosphere > Glaciers/Ice Sheets > Glaciers
EARTH SCIENCE > Hydrosphere > Glaciers/Ice Sheets > Ice Sheets
EARTH SCIENCE > Hydrosphere > Glaciers/Ice Sheets > Icebergs
EARTH SCIENCE > Hydrosphere > Ground Water > Aquifers
EARTH SCIENCE > Hydrosphere > Ground Water > Dispersion
EARTH SCIENCE > Hydrosphere > Ground Water > Drainage
EARTH SCIENCE > Hydrosphere > Ground Water > Ground Water Discharge/Flow
EARTH SCIENCE > Hydrosphere > Ground Water > Groundwater Chemistry
EARTH SCIENCE > Hydrosphere > Ground Water > Infiltration
EARTH SCIENCE > Hydrosphere > Ground Water > Land Subsidence
EARTH SCIENCE > Hydrosphere > Ground Water > Percolation
EARTH SCIENCE > Hydrosphere > Ground Water > Saltwater Intrusion
EARTH SCIENCE > Hydrosphere > Ground Water > Springs
EARTH SCIENCE > Hydrosphere > Ground Water > Water Table
EARTH SCIENCE > Hydrosphere > Snow/Ice > Albedo
EARTH SCIENCE > Hydrosphere > Snow/Ice > Avalanche
EARTH SCIENCE > Hydrosphere > Snow/Ice > Depth Hoar
EARTH SCIENCE > Hydrosphere > Snow/Ice > Freeze/Thaw
EARTH SCIENCE > Hydrosphere > Snow/Ice > Frost
EARTH SCIENCE > Hydrosphere > Snow/Ice > Ice Depth/Thickness
EARTH SCIENCE > Hydrosphere > Snow/Ice > Ice Extent
EARTH SCIENCE > Hydrosphere > Snow/Ice > Ice Growth/Melt
EARTH SCIENCE > Hydrosphere > Snow/Ice > Ice Motion
EARTH SCIENCE > Hydrosphere > Snow/Ice > Ice Velocity
EARTH SCIENCE > Hydrosphere > Snow/Ice > Lake Ice
EARTH SCIENCE > Hydrosphere > Snow/Ice > Permafrost
EARTH SCIENCE > Hydrosphere > Snow/Ice > River Ice
EARTH SCIENCE > Hydrosphere > Snow/Ice > Snow Cover
EARTH SCIENCE > Hydrosphere > Snow/Ice > Snow Density
EARTH SCIENCE > Hydrosphere > Snow/Ice > Snow Depth
EARTH SCIENCE > Hydrosphere > Snow/Ice > Snow Energy Balance
EARTH SCIENCE > Hydrosphere > Snow/Ice > Snow Facies
EARTH SCIENCE > Hydrosphere > Snow/Ice > Snow Melt
EARTH SCIENCE > Hydrosphere > Snow/Ice > Snow Stratigraphy
EARTH SCIENCE > Hydrosphere > Snow/Ice > Snow Water Equivalent
EARTH SCIENCE > Hydrosphere > Snow/Ice > Snow/Ice Chemistry
EARTH SCIENCE > Hydrosphere > Snow/Ice > Snow/Ice Temperature

EARTH SCIENCE > Hydrosphere > Snow/Ice > Whiteout
EARTH SCIENCE > Hydrosphere > Surface Water > Aquifer Recharge
EARTH SCIENCE > Hydrosphere > Surface Water > Discharge/Flow
EARTH SCIENCE > Hydrosphere > Surface Water > Drainage
EARTH SCIENCE > Hydrosphere > Surface Water > Floods
EARTH SCIENCE > Hydrosphere > Surface Water > Hydropattern
EARTH SCIENCE > Hydrosphere > Surface Water > Hydroperiod
EARTH SCIENCE > Hydrosphere > Surface Water > Inundation
EARTH SCIENCE > Hydrosphere > Surface Water > Lakes
EARTH SCIENCE > Hydrosphere > Surface Water > Rivers/Streams
EARTH SCIENCE > Hydrosphere > Surface Water > Runoff
EARTH SCIENCE > Hydrosphere > Surface Water > Stage Height
EARTH SCIENCE > Hydrosphere > Surface Water > Surface Water Chemistry
EARTH SCIENCE > Hydrosphere > Surface Water > Total Surface Water
EARTH SCIENCE > Hydrosphere > Surface Water > Water Channels
EARTH SCIENCE > Hydrosphere > Surface Water > Water Depth
EARTH SCIENCE > Hydrosphere > Surface Water > Water Pressure
EARTH SCIENCE > Hydrosphere > Surface Water > Water Yield
EARTH SCIENCE > Hydrosphere > Surface Water > Watershed Characteristics
EARTH SCIENCE > Hydrosphere > Surface Water > Wetlands
EARTH SCIENCE > Hydrosphere > Water Quality/Water Chemistry > Acid Deposition
EARTH SCIENCE > Hydrosphere > Water Quality/Water Chemistry > Alkalinity
EARTH SCIENCE > Hydrosphere > Water Quality/Water Chemistry > Benthic Index
EARTH SCIENCE > Hydrosphere > Water Quality/Water Chemistry > Carbon Dioxide
EARTH SCIENCE > Hydrosphere > Water Quality/Water Chemistry > Carcinogens
EARTH SCIENCE > Hydrosphere > Water Quality/Water Chemistry > Chlorophyll
EARTH SCIENCE > Hydrosphere > Water Quality/Water Chemistry > Conductivity
EARTH SCIENCE > Hydrosphere > Water Quality/Water Chemistry > Contaminants
EARTH SCIENCE > Hydrosphere > Water Quality/Water Chemistry > Dissolved Gases
EARTH SCIENCE > Hydrosphere > Water Quality/Water Chemistry > Dissolved Solids
EARTH SCIENCE > Hydrosphere > Water Quality/Water Chemistry > Hydrocarbons
EARTH SCIENCE > Hydrosphere > Water Quality/Water Chemistry > Inorganic Matter
EARTH SCIENCE > Hydrosphere > Water Quality/Water Chemistry > Light Transmission
EARTH SCIENCE > Hydrosphere > Water Quality/Water Chemistry > Nitrogen Compounds
EARTH SCIENCE > Hydrosphere > Water Quality/Water Chemistry > Nutrients
EARTH SCIENCE > Hydrosphere > Water Quality/Water Chemistry > Organic Matter
EARTH SCIENCE > Hydrosphere > Water Quality/Water Chemistry > Oxygen
EARTH SCIENCE > Hydrosphere > Water Quality/Water Chemistry > pH
EARTH SCIENCE > Hydrosphere > Water Quality/Water Chemistry > Phosphorous Compounds
EARTH SCIENCE > Hydrosphere > Water Quality/Water Chemistry > Radioisotopes
EARTH SCIENCE > Hydrosphere > Water Quality/Water Chemistry > Stable Isotopes
EARTH SCIENCE > Hydrosphere > Water Quality/Water Chemistry > Suspended Solids
EARTH SCIENCE > Hydrosphere > Water Quality/Water Chemistry > Toxic Chemicals
EARTH SCIENCE > Hydrosphere > Water Quality/Water Chemistry > Trace Metals
EARTH SCIENCE > Hydrosphere > Water Quality/Water Chemistry > Turbidity
EARTH SCIENCE > Hydrosphere > Water Quality/Water Chemistry > Water Ion Concentration
EARTH SCIENCE > Hydrosphere > Water Quality/Water Chemistry > Water Potability
EARTH SCIENCE > Hydrosphere > Water Quality/Water Chemistry > Water Temperature
EARTH SCIENCE > Hydrosphere > Water Quality/Water Chemistry > Water Trace Elements
EARTH SCIENCE > Land Surface > Erosion/Sedimentation > Degradation
EARTH SCIENCE > Land Surface > Erosion/Sedimentation > Entrainment
EARTH SCIENCE > Land Surface > Erosion/Sedimentation > Erosion
EARTH SCIENCE > Land Surface > Erosion/Sedimentation > Landslides
EARTH SCIENCE > Land Surface > Erosion/Sedimentation > Sediment Chemistry
EARTH SCIENCE > Land Surface > Erosion/Sedimentation > Sediment Composition
EARTH SCIENCE > Land Surface > Erosion/Sedimentation > Sediment Transport
EARTH SCIENCE > Land Surface > Erosion/Sedimentation > Sedimentation
EARTH SCIENCE > Land Surface > Erosion/Sedimentation > Sediments
EARTH SCIENCE > Land Surface > Erosion/Sedimentation > Stratigraphic Sequence
EARTH SCIENCE > Land Surface > Erosion/Sedimentation > Suspended Solids
EARTH SCIENCE > Land Surface > Erosion/Sedimentation > Weathering
EARTH SCIENCE > Land Surface > Frozen Ground > Active Layer
EARTH SCIENCE > Land Surface > Frozen Ground > Cryosols
EARTH SCIENCE > Land Surface > Frozen Ground > Ground Ice
EARTH SCIENCE > Land Surface > Frozen Ground > Periglacial Processes
EARTH SCIENCE > Land Surface > Frozen Ground > Permafrost

EARTH SCIENCE > Land Surface > Frozen Ground > Rock Glaciers
EARTH SCIENCE > Land Surface > Frozen Ground > Seasonally Frozen Ground
EARTH SCIENCE > Land Surface > Frozen Ground > Soil Temperature
EARTH SCIENCE > Land Surface > Frozen Ground > Talik
EARTH SCIENCE > Land Surface > Geomorphology > Coastal Landforms/Processes
EARTH SCIENCE > Land Surface > Geomorphology > Eolian Landforms/Processes
EARTH SCIENCE > Land Surface > Geomorphology > Fluvial Landforms/Processes
EARTH SCIENCE > Land Surface > Geomorphology > Glacial Landforms/Processes
EARTH SCIENCE > Land Surface > Geomorphology > Karst Landforms/Processes
EARTH SCIENCE > Land Surface > Geomorphology > Tectonic Landforms/Processes
EARTH SCIENCE > Land Surface > Land Temperature > Land Heat Capacity
EARTH SCIENCE > Land Surface > Land Temperature > Land Surface Temperature
EARTH SCIENCE > Land Surface > Land Temperature > Skin Temperature
EARTH SCIENCE > Land Surface > Land Use/Land Cover > Land Cover
EARTH SCIENCE > Land Surface > Land Use/Land Cover > Land Productivity
EARTH SCIENCE > Land Surface > Land Use/Land Cover > Land Resources
EARTH SCIENCE > Land Surface > Land Use/Land Cover > Land Use Classes
EARTH SCIENCE > Land Surface > Landscape > Landscape Ecology
EARTH SCIENCE > Land Surface > Landscape > Landscape Management
EARTH SCIENCE > Land Surface > Landscape > Landscape Pattern
EARTH SCIENCE > Land Surface > Landscape > Reclamation/Revegetation/Restoration
EARTH SCIENCE > Land Surface > Landscape > Reforestation
EARTH SCIENCE > Land Surface > Soils > Calcium
EARTH SCIENCE > Land Surface > Soils > Carbon
EARTH SCIENCE > Land Surface > Soils > Cation Exchange Capacity
EARTH SCIENCE > Land Surface > Soils > Denitrification Rate
EARTH SCIENCE > Land Surface > Soils > Electrical Conductivity
EARTH SCIENCE > Land Surface > Soils > Heavy Metals
EARTH SCIENCE > Land Surface > Soils > Hydraulic Conductivity
EARTH SCIENCE > Land Surface > Soils > Macrofauna
EARTH SCIENCE > Land Surface > Soils > Magnesium
EARTH SCIENCE > Land Surface > Soils > Microfauna
EARTH SCIENCE > Land Surface > Soils > Microflora
EARTH SCIENCE > Land Surface > Soils > Micronutrients/Trace Elements
EARTH SCIENCE > Land Surface > Soils > Nitrogen
EARTH SCIENCE > Land Surface > Soils > Organic Matter
EARTH SCIENCE > Land Surface > Soils > Permafrost
EARTH SCIENCE > Land Surface > Soils > Phosphorus
EARTH SCIENCE > Land Surface > Soils > Potassium
EARTH SCIENCE > Land Surface > Soils > Reclamation/Revegetation/Restoration
EARTH SCIENCE > Land Surface > Soils > Soil Absorption
EARTH SCIENCE > Land Surface > Soils > Soil Bulk Density
EARTH SCIENCE > Land Surface > Soils > Soil Chemistry
EARTH SCIENCE > Land Surface > Soils > Soil Classification
EARTH SCIENCE > Land Surface > Soils > Soil Color
EARTH SCIENCE > Land Surface > Soils > Soil Compaction
EARTH SCIENCE > Land Surface > Soils > Soil Consistence
EARTH SCIENCE > Land Surface > Soils > Soil Depth
EARTH SCIENCE > Land Surface > Soils > Soil Erosion
EARTH SCIENCE > Land Surface > Soils > Soil Fertility
EARTH SCIENCE > Land Surface > Soils > Soil Gas/Air
EARTH SCIENCE > Land Surface > Soils > Soil Heat Budget
EARTH SCIENCE > Land Surface > Soils > Soil Horizons/Profile
EARTH SCIENCE > Land Surface > Soils > Soil Impedance
EARTH SCIENCE > Land Surface > Soils > Soil Infiltration
EARTH SCIENCE > Land Surface > Soils > Soil Mechanics
EARTH SCIENCE > Land Surface > Soils > Soil Moisture/Water Content
EARTH SCIENCE > Land Surface > Soils > Soil pH
EARTH SCIENCE > Land Surface > Soils > Soil Plasticity
EARTH SCIENCE > Land Surface > Soils > Soil Porosity
EARTH SCIENCE > Land Surface > Soils > Soil Productivity
EARTH SCIENCE > Land Surface > Soils > Soil Respiration
EARTH SCIENCE > Land Surface > Soils > Soil Rooting Depth
EARTH SCIENCE > Land Surface > Soils > Soil Salinity/Soil Sodicity
EARTH SCIENCE > Land Surface > Soils > Soil Structure
EARTH SCIENCE > Land Surface > Soils > Soil Temperature

EARTH SCIENCE > Land Surface > Soils > Soil Texture
EARTH SCIENCE > Land Surface > Soils > Soil Water Holding Capacity
EARTH SCIENCE > Land Surface > Soils > Sulfur
EARTH SCIENCE > Land Surface > Soils > Thermal Conductivity
EARTH SCIENCE > Land Surface > Surface Radiative Properties > Albedo
EARTH SCIENCE > Land Surface > Surface Radiative Properties > Anisotropy
EARTH SCIENCE > Land Surface > Surface Radiative Properties > Emissivity
EARTH SCIENCE > Land Surface > Surface Radiative Properties > Reflectance
EARTH SCIENCE > Land Surface > Surface Radiative Properties > Thermal Properties
EARTH SCIENCE > Land Surface > Topography > Contours
EARTH SCIENCE > Land Surface > Topography > Landforms
EARTH SCIENCE > Land Surface > Topography > Surface Roughness
EARTH SCIENCE > Land Surface > Topography > Terrain Elevation
EARTH SCIENCE > Land Surface > Topography > Topographic Effects
EARTH SCIENCE > Land Surface > Topography > Topographical Relief
EARTH SCIENCE > Oceans > Aquatic Sciences > Aquaculture
EARTH SCIENCE > Oceans > Aquatic Sciences > Fisheries
EARTH SCIENCE > Oceans > Bathymetry/Seafloor Topography > Abyssal Hills/Plains
EARTH SCIENCE > Oceans > Bathymetry/Seafloor Topography > Bathymetry
EARTH SCIENCE > Oceans > Bathymetry/Seafloor Topography > Continental Margins
EARTH SCIENCE > Oceans > Bathymetry/Seafloor Topography > Fracture Zones
EARTH SCIENCE > Oceans > Bathymetry/Seafloor Topography > Ocean Plateaus/Ridges
EARTH SCIENCE > Oceans > Bathymetry/Seafloor Topography > Seafloor Topography
EARTH SCIENCE > Oceans > Bathymetry/Seafloor Topography > Seamounts
EARTH SCIENCE > Oceans > Bathymetry/Seafloor Topography > Submarine Canyons
EARTH SCIENCE > Oceans > Bathymetry/Seafloor Topography > Trenches
EARTH SCIENCE > Oceans > Bathymetry/Seafloor Topography > Water Depth
EARTH SCIENCE > Oceans > Coastal Processes > Barrier Islands
EARTH SCIENCE > Oceans > Coastal Processes > Beaches
EARTH SCIENCE > Oceans > Coastal Processes > Coastal Elevation
EARTH SCIENCE > Oceans > Coastal Processes > Coral Reefs
EARTH SCIENCE > Oceans > Coastal Processes > Deltas
EARTH SCIENCE > Oceans > Coastal Processes > Dunes
EARTH SCIENCE > Oceans > Coastal Processes > Erosion
EARTH SCIENCE > Oceans > Coastal Processes > Estuaries
EARTH SCIENCE > Oceans > Coastal Processes > Fjords
EARTH SCIENCE > Oceans > Coastal Processes > Inlets
EARTH SCIENCE > Oceans > Coastal Processes > Intertidal Zone
EARTH SCIENCE > Oceans > Coastal Processes > Lagoons
EARTH SCIENCE > Oceans > Coastal Processes > Local Subsidence Trends
EARTH SCIENCE > Oceans > Coastal Processes > Longshore Currents
EARTH SCIENCE > Oceans > Coastal Processes > Mangroves
EARTH SCIENCE > Oceans > Coastal Processes > Marshes
EARTH SCIENCE > Oceans > Coastal Processes > Rocky Coasts
EARTH SCIENCE > Oceans > Coastal Processes > Saltwater Intrusion
EARTH SCIENCE > Oceans > Coastal Processes > Sea Level Rise
EARTH SCIENCE > Oceans > Coastal Processes > Sea Surface Height
EARTH SCIENCE > Oceans > Coastal Processes > Sediment Transport
EARTH SCIENCE > Oceans > Coastal Processes > Sedimentation
EARTH SCIENCE > Oceans > Coastal Processes > Shoals
EARTH SCIENCE > Oceans > Coastal Processes > Shoreline Displacement
EARTH SCIENCE > Oceans > Coastal Processes > Shorelines
EARTH SCIENCE > Oceans > Coastal Processes > Storm Surge
EARTH SCIENCE > Oceans > Coastal Processes > Tidal Height
EARTH SCIENCE > Oceans > Marine Biology > Fish
EARTH SCIENCE > Oceans > Marine Biology > Marine Birds
EARTH SCIENCE > Oceans > Marine Biology > Marine Habitat
EARTH SCIENCE > Oceans > Marine Biology > Marine Invertebrates
EARTH SCIENCE > Oceans > Marine Biology > Marine Mammals
EARTH SCIENCE > Oceans > Marine Biology > Marine Microbiota
EARTH SCIENCE > Oceans > Marine Biology > Marine Plants
EARTH SCIENCE > Oceans > Marine Biology > Marine Reptiles
EARTH SCIENCE > Oceans > Marine Environment Monitoring > Marine Obstructions
EARTH SCIENCE > Oceans > Marine Geophysics > Magnetic Anomalies
EARTH SCIENCE > Oceans > Marine Geophysics > Marine Gravity Field
EARTH SCIENCE > Oceans > Marine Geophysics > Marine Magnetism

EARTH SCIENCE > Oceans > Marine Geophysics > Plate Tectonics
EARTH SCIENCE > Oceans > Marine Sediments > Biogenic Sediments
EARTH SCIENCE > Oceans > Marine Sediments > Bioturbation
EARTH SCIENCE > Oceans > Marine Sediments > Diagenesis
EARTH SCIENCE > Oceans > Marine Sediments > Geotechnical Properties
EARTH SCIENCE > Oceans > Marine Sediments > Hydrogenous Sediments
EARTH SCIENCE > Oceans > Marine Sediments > Particle Flux
EARTH SCIENCE > Oceans > Marine Sediments > Sediment Chemistry
EARTH SCIENCE > Oceans > Marine Sediments > Sediment Composition
EARTH SCIENCE > Oceans > Marine Sediments > Sediment Transport
EARTH SCIENCE > Oceans > Marine Sediments > Sedimentary Structures
EARTH SCIENCE > Oceans > Marine Sediments > Sedimentary Textures
EARTH SCIENCE > Oceans > Marine Sediments > Sedimentation
EARTH SCIENCE > Oceans > Marine Sediments > Stratigraphic Sequence
EARTH SCIENCE > Oceans > Marine Sediments > Suspended Solids
EARTH SCIENCE > Oceans > Marine Sediments > Terrigenous Sediments
EARTH SCIENCE > Oceans > Marine Sediments > Turbidity
EARTH SCIENCE > Oceans > Marine Volcanism > Benthic Heat Flow
EARTH SCIENCE > Oceans > Marine Volcanism > Hydrothermal Vents
EARTH SCIENCE > Oceans > Marine Volcanism > Island Arcs
EARTH SCIENCE > Oceans > Marine Volcanism > Mid-ocean Ridges
EARTH SCIENCE > Oceans > Marine Volcanism > Rift Valleys
EARTH SCIENCE > Oceans > Ocean Acoustics > Acoustic Attenuation/Transmission
EARTH SCIENCE > Oceans > Ocean Acoustics > Acoustic Frequency
EARTH SCIENCE > Oceans > Ocean Acoustics > Acoustic Reflectivity
EARTH SCIENCE > Oceans > Ocean Acoustics > Acoustic Scattering
EARTH SCIENCE > Oceans > Ocean Acoustics > Acoustic Tomography
EARTH SCIENCE > Oceans > Ocean Acoustics > Acoustic Velocity
EARTH SCIENCE > Oceans > Ocean Acoustics > Ambient Noise
EARTH SCIENCE > Oceans > Ocean Chemistry > Alkalinity
EARTH SCIENCE > Oceans > Ocean Chemistry > Ammonia
EARTH SCIENCE > Oceans > Ocean Chemistry > Biogeochemical Cycles
EARTH SCIENCE > Oceans > Ocean Chemistry > Biomedical Chemicals
EARTH SCIENCE > Oceans > Ocean Chemistry > Carbon
EARTH SCIENCE > Oceans > Ocean Chemistry > Carbon Dioxide
EARTH SCIENCE > Oceans > Ocean Chemistry > Carbonate
EARTH SCIENCE > Oceans > Ocean Chemistry > Chlorophyll
EARTH SCIENCE > Oceans > Ocean Chemistry > Dissolved Gases
EARTH SCIENCE > Oceans > Ocean Chemistry > Dissolved Solids
EARTH SCIENCE > Oceans > Ocean Chemistry > Hydrocarbons
EARTH SCIENCE > Oceans > Ocean Chemistry > Inorganic Carbon
EARTH SCIENCE > Oceans > Ocean Chemistry > Inorganic Matter
EARTH SCIENCE > Oceans > Ocean Chemistry > Marine Geochemistry
EARTH SCIENCE > Oceans > Ocean Chemistry > Nitrate
EARTH SCIENCE > Oceans > Ocean Chemistry > Nitric Acid
EARTH SCIENCE > Oceans > Ocean Chemistry > Nitrite
EARTH SCIENCE > Oceans > Ocean Chemistry > Nitrogen
EARTH SCIENCE > Oceans > Ocean Chemistry > Nitrogen Dioxide
EARTH SCIENCE > Oceans > Ocean Chemistry > Nitrous Oxide
EARTH SCIENCE > Oceans > Ocean Chemistry > Nutrients
EARTH SCIENCE > Oceans > Ocean Chemistry > Ocean Tracers
EARTH SCIENCE > Oceans > Ocean Chemistry > Organic Carbon
EARTH SCIENCE > Oceans > Ocean Chemistry > Organic Matter
EARTH SCIENCE > Oceans > Ocean Chemistry > Oxygen
EARTH SCIENCE > Oceans > Ocean Chemistry > pH
EARTH SCIENCE > Oceans > Ocean Chemistry > Phosphate
EARTH SCIENCE > Oceans > Ocean Chemistry > Pigments
EARTH SCIENCE > Oceans > Ocean Chemistry > Radiocarbon
EARTH SCIENCE > Oceans > Ocean Chemistry > Radionuclides
EARTH SCIENCE > Oceans > Ocean Chemistry > Silicate
EARTH SCIENCE > Oceans > Ocean Chemistry > Stable Isotopes
EARTH SCIENCE > Oceans > Ocean Chemistry > Suspended Solids
EARTH SCIENCE > Oceans > Ocean Chemistry > Trace Elements
EARTH SCIENCE > Oceans > Ocean Circulation > Advection
EARTH SCIENCE > Oceans > Ocean Circulation > Buoy Position
EARTH SCIENCE > Oceans > Ocean Circulation > Convection

EARTH SCIENCE > Oceans > Ocean Circulation > Diffusion
EARTH SCIENCE > Oceans > Ocean Circulation > Eddies
EARTH SCIENCE > Oceans > Ocean Circulation > Fresh Water Flux
EARTH SCIENCE > Oceans > Ocean Circulation > Fronts
EARTH SCIENCE > Oceans > Ocean Circulation > Gyres
EARTH SCIENCE > Oceans > Ocean Circulation > Ocean Currents
EARTH SCIENCE > Oceans > Ocean Circulation > Ocean Mixed Layer
EARTH SCIENCE > Oceans > Ocean Circulation > Thermohaline Circulation
EARTH SCIENCE > Oceans > Ocean Circulation > Turbulence
EARTH SCIENCE > Oceans > Ocean Circulation > Upwelling/Downwelling
EARTH SCIENCE > Oceans > Ocean Circulation > Vorticity
EARTH SCIENCE > Oceans > Ocean Circulation > Water Masses
EARTH SCIENCE > Oceans > Ocean Circulation > Wind-driven Circulation
EARTH SCIENCE > Oceans > Ocean Heat Budget > Advection
EARTH SCIENCE > Oceans > Ocean Heat Budget > Bowen Ratio
EARTH SCIENCE > Oceans > Ocean Heat Budget > Condensation
EARTH SCIENCE > Oceans > Ocean Heat Budget > Conduction
EARTH SCIENCE > Oceans > Ocean Heat Budget > Convection
EARTH SCIENCE > Oceans > Ocean Heat Budget > Diffusion
EARTH SCIENCE > Oceans > Ocean Heat Budget > Evaporation
EARTH SCIENCE > Oceans > Ocean Heat Budget > Heat Flux
EARTH SCIENCE > Oceans > Ocean Heat Budget > Heating Rate
EARTH SCIENCE > Oceans > Ocean Heat Budget > Longwave Radiation
EARTH SCIENCE > Oceans > Ocean Heat Budget > Reflectance
EARTH SCIENCE > Oceans > Ocean Heat Budget > Shortwave Radiation
EARTH SCIENCE > Oceans > Ocean Optics > Absorption
EARTH SCIENCE > Oceans > Ocean Optics > Aphotic/Photic Zone
EARTH SCIENCE > Oceans > Ocean Optics > Attenuation/Transmission
EARTH SCIENCE > Oceans > Ocean Optics > Bioluminescence
EARTH SCIENCE > Oceans > Ocean Optics > Extinction Coefficients
EARTH SCIENCE > Oceans > Ocean Optics > Fluorescence
EARTH SCIENCE > Oceans > Ocean Optics > Gelbstoff
EARTH SCIENCE > Oceans > Ocean Optics > Irradiance
EARTH SCIENCE > Oceans > Ocean Optics > Ocean Color
EARTH SCIENCE > Oceans > Ocean Optics > Optical Depth
EARTH SCIENCE > Oceans > Ocean Optics > Photosynthetically Active Radiation
EARTH SCIENCE > Oceans > Ocean Optics > Radiance
EARTH SCIENCE > Oceans > Ocean Optics > Reflectance
EARTH SCIENCE > Oceans > Ocean Optics > Scattering
EARTH SCIENCE > Oceans > Ocean Optics > Secchi Depth
EARTH SCIENCE > Oceans > Ocean Optics > Turbidity
EARTH SCIENCE > Oceans > Ocean Optics > Water-leaving Radiance
EARTH SCIENCE > Oceans > Ocean Pressure > Sea Level Pressure
EARTH SCIENCE > Oceans > Ocean Pressure > Water Pressure
EARTH SCIENCE > Oceans > Ocean Temperature > Ocean Mixed Layer
EARTH SCIENCE > Oceans > Ocean Temperature > Potential Temperature
EARTH SCIENCE > Oceans > Ocean Temperature > Sea Surface Temperature
EARTH SCIENCE > Oceans > Ocean Temperature > Thermocline
EARTH SCIENCE > Oceans > Ocean Temperature > Water Temperature
EARTH SCIENCE > Oceans > Ocean Waves > Gravity Waves
EARTH SCIENCE > Oceans > Ocean Waves > Rossby/Planetary Waves
EARTH SCIENCE > Oceans > Ocean Waves > Sea State
EARTH SCIENCE > Oceans > Ocean Waves > Seiches
EARTH SCIENCE > Oceans > Ocean Waves > Significant Wave Height
EARTH SCIENCE > Oceans > Ocean Waves > Storm Surge
EARTH SCIENCE > Oceans > Ocean Waves > Surf Beat
EARTH SCIENCE > Oceans > Ocean Waves > Swells
EARTH SCIENCE > Oceans > Ocean Waves > Topographic Waves
EARTH SCIENCE > Oceans > Ocean Waves > Tsunamis
EARTH SCIENCE > Oceans > Ocean Waves > Wave Fetch
EARTH SCIENCE > Oceans > Ocean Waves > Wave Frequency
EARTH SCIENCE > Oceans > Ocean Waves > Wave Height
EARTH SCIENCE > Oceans > Ocean Waves > Wave Length
EARTH SCIENCE > Oceans > Ocean Waves > Wave Period
EARTH SCIENCE > Oceans > Ocean Waves > Wave Spectra
EARTH SCIENCE > Oceans > Ocean Waves > Wave Speed/Direction

EARTH SCIENCE > Oceans > Ocean Waves > Wave Types
EARTH SCIENCE > Oceans > Ocean Waves > Wind Waves
EARTH SCIENCE > Oceans > Ocean Winds > Convergence/Divergence
EARTH SCIENCE > Oceans > Ocean Winds > Surface Winds
EARTH SCIENCE > Oceans > Ocean Winds > Turbulence
EARTH SCIENCE > Oceans > Ocean Winds > Vertical Wind Motion
EARTH SCIENCE > Oceans > Ocean Winds > Vorticity
EARTH SCIENCE > Oceans > Ocean Winds > Wind Chill
EARTH SCIENCE > Oceans > Ocean Winds > Wind Shear
EARTH SCIENCE > Oceans > Ocean Winds > Wind Stress
EARTH SCIENCE > Oceans > Salinity/Density > Conductivity
EARTH SCIENCE > Oceans > Salinity/Density > Density
EARTH SCIENCE > Oceans > Salinity/Density > Desalinization
EARTH SCIENCE > Oceans > Salinity/Density > Halocline
EARTH SCIENCE > Oceans > Salinity/Density > Potential Density
EARTH SCIENCE > Oceans > Salinity/Density > Pycnocline
EARTH SCIENCE > Oceans > Salinity/Density > Salinity
EARTH SCIENCE > Oceans > Salinity/Density > Salt Transport
EARTH SCIENCE > Oceans > Sea Ice > Heat Flux
EARTH SCIENCE > Oceans > Sea Ice > Ice Deformation
EARTH SCIENCE > Oceans > Sea Ice > Ice Depth/Thickness
EARTH SCIENCE > Oceans > Sea Ice > Ice Edges
EARTH SCIENCE > Oceans > Sea Ice > Ice Extent
EARTH SCIENCE > Oceans > Sea Ice > Ice Floes
EARTH SCIENCE > Oceans > Sea Ice > Ice Growth/Melt
EARTH SCIENCE > Oceans > Sea Ice > Ice Roughness
EARTH SCIENCE > Oceans > Sea Ice > Ice Temperature
EARTH SCIENCE > Oceans > Sea Ice > Ice Types
EARTH SCIENCE > Oceans > Sea Ice > Icebergs
EARTH SCIENCE > Oceans > Sea Ice > Isotopes
EARTH SCIENCE > Oceans > Sea Ice > Leads
EARTH SCIENCE > Oceans > Sea Ice > Pack Ice
EARTH SCIENCE > Oceans > Sea Ice > Polynyas
EARTH SCIENCE > Oceans > Sea Ice > Reflectance
EARTH SCIENCE > Oceans > Sea Ice > Salinity
EARTH SCIENCE > Oceans > Sea Ice > Sea Ice Age
EARTH SCIENCE > Oceans > Sea Ice > Sea Ice Concentration
EARTH SCIENCE > Oceans > Sea Ice > Sea Ice Elevation
EARTH SCIENCE > Oceans > Sea Ice > Sea Ice Motion
EARTH SCIENCE > Oceans > Sea Ice > Snow Depth
EARTH SCIENCE > Oceans > Sea Ice > Snow Melt
EARTH SCIENCE > Oceans > Sea Surface Topography > Sea Surface Height
EARTH SCIENCE > Oceans > Sea Surface Topography > Sea Surface Slope
EARTH SCIENCE > Oceans > Tides > Storm Surge
EARTH SCIENCE > Oceans > Tides > Tidal Components
EARTH SCIENCE > Oceans > Tides > Tidal Currents
EARTH SCIENCE > Oceans > Tides > Tidal Height
EARTH SCIENCE > Oceans > Tides > Tidal Range
EARTH SCIENCE > Oceans > Water Quality > Ocean Contaminants
EARTH SCIENCE > Paleoclimate > Ice Core Records > Carbon Dioxide
EARTH SCIENCE > Paleoclimate > Ice Core Records > Electrical Properties
EARTH SCIENCE > Paleoclimate > Ice Core Records > Ice Core Air Bubbles
EARTH SCIENCE > Paleoclimate > Ice Core Records > Ions
EARTH SCIENCE > Paleoclimate > Ice Core Records > Isotopes
EARTH SCIENCE > Paleoclimate > Ice Core Records > Methane
EARTH SCIENCE > Paleoclimate > Ice Core Records > Nitrous Oxide
EARTH SCIENCE > Paleoclimate > Ice Core Records > Particulate Matter
EARTH SCIENCE > Paleoclimate > Ice Core Records > Volcanic Deposits
EARTH SCIENCE > Paleoclimate > Land Records > Cave Deposits
EARTH SCIENCE > Paleoclimate > Land Records > Glaciation
EARTH SCIENCE > Paleoclimate > Land Records > Isotopes
EARTH SCIENCE > Paleoclimate > Land Records > Loess
EARTH SCIENCE > Paleoclimate > Land Records > Macrofossils
EARTH SCIENCE > Paleoclimate > Land Records > Microfossils
EARTH SCIENCE > Paleoclimate > Land Records > Paleomagnetic Data
EARTH SCIENCE > Paleoclimate > Land Records > Paleosols

EARTH SCIENCE > Paleoclimate > Land Records > Paleovegetation
EARTH SCIENCE > Paleoclimate > Land Records > Pollen
EARTH SCIENCE > Paleoclimate > Land Records > Radiocarbon
EARTH SCIENCE > Paleoclimate > Land Records > Sediments
EARTH SCIENCE > Paleoclimate > Land Records > Stratigraphic Sequence
EARTH SCIENCE > Paleoclimate > Land Records > Tree Rings
EARTH SCIENCE > Paleoclimate > Land Records > Volcanic Deposits
EARTH SCIENCE > Paleoclimate > Ocean/Lake Records > Coral Deposits
EARTH SCIENCE > Paleoclimate > Ocean/Lake Records > Isotopes
EARTH SCIENCE > Paleoclimate > Ocean/Lake Records > Lake Levels
EARTH SCIENCE > Paleoclimate > Ocean/Lake Records > Macrofossils
EARTH SCIENCE > Paleoclimate > Ocean/Lake Records > Microfossils
EARTH SCIENCE > Paleoclimate > Ocean/Lake Records > Oxygen Isotopes
EARTH SCIENCE > Paleoclimate > Ocean/Lake Records > Paleomagnetic Data
EARTH SCIENCE > Paleoclimate > Ocean/Lake Records > Radiocarbon
EARTH SCIENCE > Paleoclimate > Ocean/Lake Records > Sediments
EARTH SCIENCE > Paleoclimate > Ocean/Lake Records > Stratigraphic Sequence
EARTH SCIENCE > Paleoclimate > Ocean/Lake Records > Varve Deposits
EARTH SCIENCE > Paleoclimate > Paleoclimate Reconstructions > Air Temperature Reconstruction
EARTH SCIENCE > Paleoclimate > Paleoclimate Reconstructions > Atmospheric Circulation Reconstruction
EARTH SCIENCE > Paleoclimate > Paleoclimate Reconstructions > Drought/Precipitation Reconstruction
EARTH SCIENCE > Paleoclimate > Paleoclimate Reconstructions > Ground Water Reconstruction
EARTH SCIENCE > Paleoclimate > Paleoclimate Reconstructions > Lake Level Reconstruction
EARTH SCIENCE > Paleoclimate > Paleoclimate Reconstructions > Ocean Salinity Reconstruction
EARTH SCIENCE > Paleoclimate > Paleoclimate Reconstructions > Sea Level Reconstruction
EARTH SCIENCE > Paleoclimate > Paleoclimate Reconstructions > Sea Surface Temperature Reconstruction
EARTH SCIENCE > Paleoclimate > Paleoclimate Reconstructions > Solar Forcing/Insolation Reconstruction
EARTH SCIENCE > Paleoclimate > Paleoclimate Reconstructions > Streamflow Reconstruction
EARTH SCIENCE > Paleoclimate > Paleoclimate Reconstructions > Vegetation Reconstruction
EARTH SCIENCE > Solid Earth > Geochemistry > Biogeochemistry
EARTH SCIENCE > Solid Earth > Geochemistry > Chemical Fixation
EARTH SCIENCE > Solid Earth > Geochemistry > Chemical Weathering
EARTH SCIENCE > Solid Earth > Geochemistry > Hydration
EARTH SCIENCE > Solid Earth > Geochemistry > Ion Exchange
EARTH SCIENCE > Solid Earth > Geochemistry > Isotopes
EARTH SCIENCE > Solid Earth > Geochemistry > Major Elements
EARTH SCIENCE > Solid Earth > Geochemistry > Marine Geochemistry
EARTH SCIENCE > Solid Earth > Geochemistry > Minor Elements
EARTH SCIENCE > Solid Earth > Geochemistry > Oxidation/Reduction
EARTH SCIENCE > Solid Earth > Geochemistry > Trace Elements
EARTH SCIENCE > Solid Earth > Geodetics/Gravity > Control Surveys
EARTH SCIENCE > Solid Earth > Geodetics/Gravity > Crustal Motion
EARTH SCIENCE > Solid Earth > Geodetics/Gravity > Geoid Properties
EARTH SCIENCE > Solid Earth > Geodetics/Gravity > Gravitational Field
EARTH SCIENCE > Solid Earth > Geodetics/Gravity > Gravity
EARTH SCIENCE > Solid Earth > Geodetics/Gravity > Ocean Crust Deformation
EARTH SCIENCE > Solid Earth > Geodetics/Gravity > Polar Motion
EARTH SCIENCE > Solid Earth > Geodetics/Gravity > Reference Systems
EARTH SCIENCE > Solid Earth > Geodetics/Gravity > Rotational Variations
EARTH SCIENCE > Solid Earth > Geodetics/Gravity > Satellite Orbits
EARTH SCIENCE > Solid Earth > Geomagnetism > Electrical Field
EARTH SCIENCE > Solid Earth > Geomagnetism > Geomagnetic Forecasts
EARTH SCIENCE > Solid Earth > Geomagnetism > Geomagnetic Indices
EARTH SCIENCE > Solid Earth > Geomagnetism > Geomagnetic Induction
EARTH SCIENCE > Solid Earth > Geomagnetism > Magnetic Anomalies
EARTH SCIENCE > Solid Earth > Geomagnetism > Magnetic Declination
EARTH SCIENCE > Solid Earth > Geomagnetism > Magnetic Field
EARTH SCIENCE > Solid Earth > Geomagnetism > Magnetic Inclination
EARTH SCIENCE > Solid Earth > Geomagnetism > Magnetic Intensity
EARTH SCIENCE > Solid Earth > Geomagnetism > Paleomagnetism
EARTH SCIENCE > Solid Earth > Geomagnetism > Reference Fields
EARTH SCIENCE > Solid Earth > Geomorphology > Coastal Landforms/Processes
EARTH SCIENCE > Solid Earth > Geomorphology > Eolian Landforms/Processes
EARTH SCIENCE > Solid Earth > Geomorphology > Fluvial Landforms/Processes
EARTH SCIENCE > Solid Earth > Geomorphology > Glacial Landforms/Processes
EARTH SCIENCE > Solid Earth > Geomorphology > Karst Landforms/Processes

EARTH SCIENCE > Solid Earth > Geomorphology > Tectonic Landforms/Processes
EARTH SCIENCE > Solid Earth > Geothermal > Geothermal Energy
EARTH SCIENCE > Solid Earth > Geothermal > Geothermal Temperature
EARTH SCIENCE > Solid Earth > Natural Resources > Coal
EARTH SCIENCE > Solid Earth > Natural Resources > Gas Hydrates
EARTH SCIENCE > Solid Earth > Natural Resources > Metals
EARTH SCIENCE > Solid Earth > Natural Resources > Natural Gas
EARTH SCIENCE > Solid Earth > Natural Resources > Non-metallic Minerals
EARTH SCIENCE > Solid Earth > Natural Resources > Petroleum
EARTH SCIENCE > Solid Earth > Natural Resources > Radioactive Elements
EARTH SCIENCE > Solid Earth > Natural Resources > Reclamation/Revegetation/Restoration
EARTH SCIENCE > Solid Earth > Rocks/Minerals > Age Determinations
EARTH SCIENCE > Solid Earth > Rocks/Minerals > Bedrock Lithology
EARTH SCIENCE > Solid Earth > Rocks/Minerals > Igneous Rocks
EARTH SCIENCE > Solid Earth > Rocks/Minerals > Metamorphic Rocks
EARTH SCIENCE > Solid Earth > Rocks/Minerals > Meteorites
EARTH SCIENCE > Solid Earth > Rocks/Minerals > Mineraloids
EARTH SCIENCE > Solid Earth > Rocks/Minerals > Minerals/Crystals
EARTH SCIENCE > Solid Earth > Rocks/Minerals > Sedimentary Rocks
EARTH SCIENCE > Solid Earth > Rocks/Minerals > Sediments
EARTH SCIENCE > Solid Earth > Seismology > Earthquake Dynamics
EARTH SCIENCE > Solid Earth > Seismology > Earthquake Occurrences
EARTH SCIENCE > Solid Earth > Seismology > Earthquake Predictions
EARTH SCIENCE > Solid Earth > Seismology > Seismic Body Waves
EARTH SCIENCE > Solid Earth > Seismology > Seismic Profile
EARTH SCIENCE > Solid Earth > Seismology > Seismic Surface Waves
EARTH SCIENCE > Solid Earth > Tectonics > Core Processes
EARTH SCIENCE > Solid Earth > Tectonics > Faults
EARTH SCIENCE > Solid Earth > Tectonics > Folds
EARTH SCIENCE > Solid Earth > Tectonics > Isostatic Rebound
EARTH SCIENCE > Solid Earth > Tectonics > Lithospheric Plate Motion
EARTH SCIENCE > Solid Earth > Tectonics > Neotectonics
EARTH SCIENCE > Solid Earth > Tectonics > Plate Boundaries
EARTH SCIENCE > Solid Earth > Tectonics > Plate Tectonics
EARTH SCIENCE > Solid Earth > Tectonics > Strain
EARTH SCIENCE > Solid Earth > Tectonics > Stratigraphic Sequence
EARTH SCIENCE > Solid Earth > Tectonics > Stress
EARTH SCIENCE > Solid Earth > Volcanoes > Eruption Dynamics
EARTH SCIENCE > Solid Earth > Volcanoes > Lava
EARTH SCIENCE > Solid Earth > Volcanoes > Magma
EARTH SCIENCE > Solid Earth > Volcanoes > Pyroclastics
EARTH SCIENCE > Solid Earth > Volcanoes > Volcanic Ash/Dust
EARTH SCIENCE > Solid Earth > Volcanoes > Volcanic Gases
EARTH SCIENCE > Spectral/Engineering > Gamma Ray > Gamma Ray Flux
EARTH SCIENCE > Spectral/Engineering > Infrared Wavelengths > Brightness Temperature
EARTH SCIENCE > Spectral/Engineering > Infrared Wavelengths > Infrared Flux
EARTH SCIENCE > Spectral/Engineering > Infrared Wavelengths > Infrared Imagery
EARTH SCIENCE > Spectral/Engineering > Infrared Wavelengths > Infrared Radiance
EARTH SCIENCE > Spectral/Engineering > Infrared Wavelengths > Reflected Infrared
EARTH SCIENCE > Spectral/Engineering > Infrared Wavelengths > Sensor Counts
EARTH SCIENCE > Spectral/Engineering > Infrared Wavelengths > Thermal Infrared
EARTH SCIENCE > Spectral/Engineering > Microwave > Antenna Temperature
EARTH SCIENCE > Spectral/Engineering > Microwave > Brightness Temperature
EARTH SCIENCE > Spectral/Engineering > Microwave > Microwave Imagery
EARTH SCIENCE > Spectral/Engineering > Microwave > Microwave Radiance
EARTH SCIENCE > Spectral/Engineering > Microwave > Sensor Counts
EARTH SCIENCE > Spectral/Engineering > Platform Characteristics > Airspeed/Ground Speed
EARTH SCIENCE > Spectral/Engineering > Platform Characteristics > Attitude Characteristics
EARTH SCIENCE > Spectral/Engineering > Platform Characteristics > Data Synchronization Time
EARTH SCIENCE > Spectral/Engineering > Platform Characteristics > Flight Data Logs
EARTH SCIENCE > Spectral/Engineering > Platform Characteristics > Line Of Sight Velocity
EARTH SCIENCE > Spectral/Engineering > Platform Characteristics > Orbital Characteristics
EARTH SCIENCE > Spectral/Engineering > Platform Characteristics > Viewing Geometry
EARTH SCIENCE > Spectral/Engineering > Radar > Doppler Velocity
EARTH SCIENCE > Spectral/Engineering > Radar > Radar Backscatter
EARTH SCIENCE > Spectral/Engineering > Radar > Radar Cross-section

EARTH SCIENCE > Spectral/Engineering > Radar > Radar Imagery
EARTH SCIENCE > Spectral/Engineering > Radar > Radar Reflectivity
EARTH SCIENCE > Spectral/Engineering > Radar > Return Power
EARTH SCIENCE > Spectral/Engineering > Radar > Sensor Counts
EARTH SCIENCE > Spectral/Engineering > Radar > Sigma Naught
EARTH SCIENCE > Spectral/Engineering > Radio Wave > Radio Wave Flux
EARTH SCIENCE > Spectral/Engineering > Sensor Characteristics > Dome Temperature
EARTH SCIENCE > Spectral/Engineering > Sensor Characteristics > Electrical Properties
EARTH SCIENCE > Spectral/Engineering > Sensor Characteristics > Phase and Amplitude
EARTH SCIENCE > Spectral/Engineering > Sensor Characteristics > Sink Temperature
EARTH SCIENCE > Spectral/Engineering > Sensor Characteristics > Thermal Properties
EARTH SCIENCE > Spectral/Engineering > Sensor Characteristics > Total Pressure
EARTH SCIENCE > Spectral/Engineering > Sensor Characteristics > Total Temperature
EARTH SCIENCE > Spectral/Engineering > Sensor Characteristics > Ultraviolet Sensor Temperature
EARTH SCIENCE > Spectral/Engineering > Sensor Characteristics > Viewing Geometry
EARTH SCIENCE > Spectral/Engineering > Ultraviolet Wavelengths > Sensor Counts
EARTH SCIENCE > Spectral/Engineering > Ultraviolet Wavelengths > Ultraviolet Flux
EARTH SCIENCE > Spectral/Engineering > Ultraviolet Wavelengths > Ultraviolet Radiance
EARTH SCIENCE > Spectral/Engineering > Visible Wavelengths > Sensor Counts
EARTH SCIENCE > Spectral/Engineering > Visible Wavelengths > Visible Flux
EARTH SCIENCE > Spectral/Engineering > Visible Wavelengths > Visible Imagery
EARTH SCIENCE > Spectral/Engineering > Visible Wavelengths > Visible Radiance
EARTH SCIENCE > Spectral/Engineering > X-ray > X-ray Flux
EARTH SCIENCE > Sun-earth Interactions > Ionosphere/Magnetosphere Dynamics > Aurorae
EARTH SCIENCE > Sun-earth Interactions > Ionosphere/Magnetosphere Dynamics > Electric Fields/Electric Currents
EARTH SCIENCE > Sun-earth Interactions > Ionosphere/Magnetosphere Dynamics > Geomagnetic Forecasts
EARTH SCIENCE > Sun-earth Interactions > Ionosphere/Magnetosphere Dynamics > Geomagnetic Indices
EARTH SCIENCE > Sun-earth Interactions > Ionosphere/Magnetosphere Dynamics > Ion Chemistry/Ionization
EARTH SCIENCE > Sun-earth Interactions > Ionosphere/Magnetosphere Dynamics > Magnetic Fields/Magnetic Currents
EARTH SCIENCE > Sun-earth Interactions > Ionosphere/Magnetosphere Dynamics > Magnetic Storms
EARTH SCIENCE > Sun-earth Interactions > Ionosphere/Magnetosphere Dynamics > Plasma Waves
EARTH SCIENCE > Sun-earth Interactions > Ionosphere/Magnetosphere Dynamics > Solar Wind
EARTH SCIENCE > Sun-earth Interactions > Solar Activity > Corona Holes
EARTH SCIENCE > Sun-earth Interactions > Solar Activity > Coronal Mass Ejections
EARTH SCIENCE > Sun-earth Interactions > Solar Activity > Coronal Properties
EARTH SCIENCE > Sun-earth Interactions > Solar Activity > Solar Active Regions
EARTH SCIENCE > Sun-earth Interactions > Solar Activity > Solar Flares
EARTH SCIENCE > Sun-earth Interactions > Solar Activity > Solar Imagery
EARTH SCIENCE > Sun-earth Interactions > Solar Activity > Solar Irradiance
EARTH SCIENCE > Sun-earth Interactions > Solar Activity > Solar Oscillations
EARTH SCIENCE > Sun-earth Interactions > Solar Activity > Solar Prominences/Solar Filaments
EARTH SCIENCE > Sun-earth Interactions > Solar Activity > Solar Radio Wave Emissions
EARTH SCIENCE > Sun-earth Interactions > Solar Activity > Solar Synoptic Maps
EARTH SCIENCE > Sun-earth Interactions > Solar Activity > Solar Ultraviolet Emissions
EARTH SCIENCE > Sun-earth Interactions > Solar Activity > Solar Velocity Fields
EARTH SCIENCE > Sun-earth Interactions > Solar Activity > Solar X-ray Emissions
EARTH SCIENCE > Sun-earth Interactions > Solar Activity > Sunspots
EARTH SCIENCE > Sun-earth Interactions > Solar Energetic Particle Flux > Alpha Particle Flux
EARTH SCIENCE > Sun-earth Interactions > Solar Energetic Particle Flux > Electron Flux
EARTH SCIENCE > Sun-earth Interactions > Solar Energetic Particle Flux > Heavy Nuclei Flux
EARTH SCIENCE > Sun-earth Interactions > Solar Energetic Particle Flux > Ion Flux
EARTH SCIENCE > Sun-earth Interactions > Solar Energetic Particle Flux > Neutral Particle Flux
EARTH SCIENCE > Sun-earth Interactions > Solar Energetic Particle Flux > Proton Flux
EARTH SCIENCE > Sun-earth Interactions > Solar Energetic Particle Flux > Sub-atomic Particle Flux
EARTH SCIENCE > Sun-earth Interactions > Solar Energetic Particle Properties > Energy Deposition
EARTH SCIENCE > Sun-earth Interactions > Solar Energetic Particle Properties > Particle Composition
EARTH SCIENCE > Sun-earth Interactions > Solar Energetic Particle Properties > Particle Density
EARTH SCIENCE > Sun-earth Interactions > Solar Energetic Particle Properties > Particle Distribution Functions
EARTH SCIENCE > Sun-earth Interactions > Solar Energetic Particle Properties > Particle Speed
EARTH SCIENCE > Sun-earth Interactions > Solar Energetic Particle Properties > Particle Temperature
EARTH SCIENCE > Sun-earth Interactions > Solar Energetic Particle Properties > Total Electron Content

Annex C: GCMD Earth Science Services Keywords

GCMD valids as at 3-Jan-2006

CATEGORY > TOPIC > TERM > VARIABLE

EARTH SCIENCE SERVICES > Data Analysis And Visualization > Calibration/Validation
EARTH SCIENCE SERVICES > Data Analysis And Visualization > Geographic Information Systems > Web Coverage Services
EARTH SCIENCE SERVICES > Data Analysis And Visualization > Geographic Information Systems > Web Feature Services
EARTH SCIENCE SERVICES > Data Analysis And Visualization > Geographic Information Systems > Web Mapping Services
EARTH SCIENCE SERVICES > Data Analysis And Visualization > Geographic Information Systems
EARTH SCIENCE SERVICES > Data Analysis And Visualization > Global Positioning Systems
EARTH SCIENCE SERVICES > Data Analysis And Visualization > Statistical Applications
EARTH SCIENCE SERVICES > Data Analysis And Visualization > Visualization/Image Processing
EARTH SCIENCE SERVICES > Data Management/data Handling > Archiving
EARTH SCIENCE SERVICES > Data Management/data Handling > Cataloging
EARTH SCIENCE SERVICES > Data Management/data Handling > Data Compression
EARTH SCIENCE SERVICES > Data Management/data Handling > Data Delivery
EARTH SCIENCE SERVICES > Data Management/data Handling > Data Interoperability > Data Reformatting
EARTH SCIENCE SERVICES > Data Management/data Handling > Data Interoperability
EARTH SCIENCE SERVICES > Data Management/data Handling > Data Mining
EARTH SCIENCE SERVICES > Data Management/data Handling > Data Networking/Data Transfer Tools
EARTH SCIENCE SERVICES > Data Management/data Handling > Data Search And Retrieval
EARTH SCIENCE SERVICES > Data Management/data Handling > Media Transfer/Data Rescue
EARTH SCIENCE SERVICES > Data Management/data Handling > Subsetting/Supersetting
EARTH SCIENCE SERVICES > Data Management/data Handling > Transformation/Conversion
EARTH SCIENCE SERVICES > Education/outreach > Curriculum Support > Background Information
EARTH SCIENCE SERVICES > Education/outreach > Curriculum Support > Classroom Activities
EARTH SCIENCE SERVICES > Education/outreach > Curriculum Support > Lesson Plans
EARTH SCIENCE SERVICES > Education/outreach > Curriculum Support
EARTH SCIENCE SERVICES > Education/outreach > Exhibit Materials > Museum Exhibits
EARTH SCIENCE SERVICES > Education/outreach > Exhibit Materials > Science Center Exhibits
EARTH SCIENCE SERVICES > Education/outreach > Exhibit Materials
EARTH SCIENCE SERVICES > Education/outreach > Interactive Programs > Stand Alone
EARTH SCIENCE SERVICES > Education/outreach > Interactive Programs > Web-based
EARTH SCIENCE SERVICES > Education/outreach > Interactive Programs
EARTH SCIENCE SERVICES > Environmental Advisories > Agricultural Advisories > Crop Forecast
EARTH SCIENCE SERVICES > Environmental Advisories > Agricultural Advisories > Drought Forecast
EARTH SCIENCE SERVICES > Environmental Advisories > Agricultural Advisories
EARTH SCIENCE SERVICES > Environmental Advisories > Fire Advisories > Prescribed Burns
EARTH SCIENCE SERVICES > Environmental Advisories > Fire Advisories > Wildfires
EARTH SCIENCE SERVICES > Environmental Advisories > Fire Advisories
EARTH SCIENCE SERVICES > Environmental Advisories > Geological Advisories > Earthquakes
EARTH SCIENCE SERVICES > Environmental Advisories > Geological Advisories > Geomagnetism
EARTH SCIENCE SERVICES > Environmental Advisories > Geological Advisories > Landslides
EARTH SCIENCE SERVICES > Environmental Advisories > Geological Advisories > Volcanic Activity
EARTH SCIENCE SERVICES > Environmental Advisories > Geological Advisories
EARTH SCIENCE SERVICES > Environmental Advisories > Health Advisories > Animal Health Advisories
EARTH SCIENCE SERVICES > Environmental Advisories > Health Advisories > Disease/Epidemic
EARTH SCIENCE SERVICES > Environmental Advisories > Health Advisories > Human Health Advisories
EARTH SCIENCE SERVICES > Environmental Advisories > Health Advisories
EARTH SCIENCE SERVICES > Environmental Advisories > Hydrological Advisories > Avalanche Forecasts
EARTH SCIENCE SERVICES > Environmental Advisories > Hydrological Advisories > Drought
EARTH SCIENCE SERVICES > Environmental Advisories > Hydrological Advisories > Floods
EARTH SCIENCE SERVICES > Environmental Advisories > Hydrological Advisories > Water Quality
EARTH SCIENCE SERVICES > Environmental Advisories > Hydrological Advisories
EARTH SCIENCE SERVICES > Environmental Advisories > Marine Advisories > Marine Biology
EARTH SCIENCE SERVICES > Environmental Advisories > Marine Advisories > Marine Weather/Forecast
EARTH SCIENCE SERVICES > Environmental Advisories > Marine Advisories > Ocean Temperature
EARTH SCIENCE SERVICES > Environmental Advisories > Marine Advisories > Sea Ice
EARTH SCIENCE SERVICES > Environmental Advisories > Marine Advisories > Sea State
EARTH SCIENCE SERVICES > Environmental Advisories > Marine Advisories > Tides
EARTH SCIENCE SERVICES > Environmental Advisories > Marine Advisories > Tsunamis
EARTH SCIENCE SERVICES > Environmental Advisories > Marine Advisories
EARTH SCIENCE SERVICES > Environmental Advisories > Space Weather Advisories > Aurora Forecasts
EARTH SCIENCE SERVICES > Environmental Advisories > Space Weather Advisories > Coronal Mass Ejection

EARTH SCIENCE SERVICES > Environmental Advisories > Space Weather Advisories > Geomagnetic Storm
EARTH SCIENCE SERVICES > Environmental Advisories > Space Weather Advisories > Radio Blackouts
EARTH SCIENCE SERVICES > Environmental Advisories > Space Weather Advisories > Solar Flares
EARTH SCIENCE SERVICES > Environmental Advisories > Space Weather Advisories > Solar Radiation Storms
EARTH SCIENCE SERVICES > Environmental Advisories > Space Weather Advisories > Solar Winds
EARTH SCIENCE SERVICES > Environmental Advisories > Space Weather Advisories
EARTH SCIENCE SERVICES > Environmental Advisories > Weather/Climate Advisories > Air Quality
EARTH SCIENCE SERVICES > Environmental Advisories > Weather/Climate Advisories > Climate Advisories
EARTH SCIENCE SERVICES > Environmental Advisories > Weather/Climate Advisories > Dust/Ash Advisories
EARTH SCIENCE SERVICES > Environmental Advisories > Weather/Climate Advisories > Frost/Freeze Warning
EARTH SCIENCE SERVICES > Environmental Advisories > Weather/Climate Advisories > Heat Advisory
EARTH SCIENCE SERVICES > Environmental Advisories > Weather/Climate Advisories > Present Weather
EARTH SCIENCE SERVICES > Environmental Advisories > Weather/Climate Advisories > Severe Weather
EARTH SCIENCE SERVICES > Environmental Advisories > Weather/Climate Advisories > Uv Radiation
EARTH SCIENCE SERVICES > Environmental Advisories > Weather/Climate Advisories > Weather Forecast
EARTH SCIENCE SERVICES > Environmental Advisories > Weather/Climate Advisories
EARTH SCIENCE SERVICES > Hazards Management > Disaster Recovery/Relief
EARTH SCIENCE SERVICES > Hazards Management > Disaster Response
EARTH SCIENCE SERVICES > Hazards Management > Hazards Mitigation
EARTH SCIENCE SERVICES > Hazards Management > Hazards Planning
EARTH SCIENCE SERVICES > Metadata Handling > Authoring Tools
EARTH SCIENCE SERVICES > Metadata Handling > Data Discovery
EARTH SCIENCE SERVICES > Metadata Handling > Metadata Transformation/Conversion
EARTH SCIENCE SERVICES > Metadata Handling > Service Discovery
EARTH SCIENCE SERVICES > Models > Numerical Models
EARTH SCIENCE SERVICES > Models > Physical Models
EARTH SCIENCE SERVICES > Reference And Information Services > Bibliographic > Bibliographic Databases
EARTH SCIENCE SERVICES > Reference And Information Services > Bibliographic > Personnel Directories
EARTH SCIENCE SERVICES > Reference And Information Services > Bibliographic > Professional Scientific Organizations
EARTH SCIENCE SERVICES > Reference And Information Services > Bibliographic
EARTH SCIENCE SERVICES > Reference And Information Services > Digital/Virtual Reference Desks > Ask-a Biologist
EARTH SCIENCE SERVICES > Reference And Information Services > Digital/Virtual Reference Desks > Ask-a Ecologist
EARTH SCIENCE SERVICES > Reference And Information Services > Digital/Virtual Reference Desks > Ask-a Geologist
EARTH SCIENCE SERVICES > Reference And Information Services > Digital/Virtual Reference Desks > Ask-a Marine Biologist
EARTH SCIENCE SERVICES > Reference And Information Services > Digital/Virtual Reference Desks > Ask-a Meteorologist
EARTH SCIENCE SERVICES > Reference And Information Services > Digital/Virtual Reference Desks > Ask-a Oceanographer
EARTH SCIENCE SERVICES > Reference And Information Services > Digital/Virtual Reference Desks
EARTH SCIENCE SERVICES > Reference And Information Services > Gazetteer
EARTH SCIENCE SERVICES > Reference And Information Services > Identification/Classification Systems
EARTH SCIENCE SERVICES > Reference And Information Services > Knowledge/Decision Systems
EARTH SCIENCE SERVICES > Reference And Information Services > Subscription Services
EARTH SCIENCE SERVICES > Reference And Information Services > Thesauri

Annex D: GCMD Chronostratigraphic Unit Keywords

GCMD valids as at 5-Jul-2006

ARCHAEAN
CAMBRIAN
CARBONIFEROUS
CENOZOIC
CRETACEOUS
DEVONIAN
EDACARAN
EOCENE
HADEAN
HOLOCENE
JURASSIC
MESOZOIC
MIOCENE
MISSISSIPPIAN
NEOGENE
OLIGOCENE
ORDOVICIAN
PALEOCENE
PALEOGENE
PALEOZOIC
PENNSYLVANIAN
PERMIAN
PLEISTOCENE
PLIOCENE
PRECAMBRIAN
PROTEROZOIC
QUATERNARY
SILURIAN
TERTIARY
TRIASSIC

Annex E: GCMD URL Content Type Keywords

GCMD valids as at 5-Jul-2006

ACCESS MAP VIEWER
ACCESS WEB SERVICE
DODS_DIR
DODS_URL
GET DATA
GET MAP SERVICE
GET RELATED DATA SET METADATA (DIF)
GET RELATED SERVICE METADATA (SERF)
GET SERVICE
GET SOFTWARE PACKAGE
GET WEB COVERAGE SERVICE (WCS)
GET WEB FEATURE SERVICE (WFS)
GET WEB MAP SERVICE (WMS)
PROJECT HOME PAGE
REFERENCE MATERIALS
RELATED DATA SET METADATA
VIEW EXTENDED METADATA
VIEW PROJECT HOME PAGE
VIEW RELATED INFORMATION

Annex F: GCMD Data Center Keywords

GCMD valids as at 30-Jan-2006

SHORT_NAME > LONG_NAME

AAG > Association of American Geographers
ABDN/GEOG/CMCZM > Centre for Marine and Coastal Zone Management, Department of Geography, University of Aberdeen
ACB > Alliance for the Chesapeake Bay
ACCDC > Atlantic Canada Conservation Data Centre
ACCU-WEATHER
ACME > ACME Laboratories
ACS/ED > Education, American Chemical Society
AECT > African Elephant Conservation Trust
AFI > Aquarius Flight Inc.
AGI > American Geological Institute
AGI-UK/GIG > Gigateway, Association for Geographic Information, UK
AGI/ESWORLD > Earth Science World, American Geological Institute
AK/ACRC > Alaska Climate Research Center, Alaska
AK/ASCC > Alaska State Climate Center, Alaska
AK/DNR/ASGDC > Alaska State Geospatial Data Clearinghouse, Department of Natural Resources, Alaska
AKITA-U/MINING-C > Mining College, Akita University
AL/GS > Geological Survey, Alabama
ALBION/GEOL > Department of Geological Sciences, Albion College
ALTALIS > AltaLIS Ltd.
AMC > Appalachian Mountain Club
AMNH/CBC > Center for Biodiversity and Conservation, American Museum of Natural History
AMNH/DH > Department of Herpetology, American Museum of Natural History
AMNH/SB > Science Bulletins, American Museum of Natural History
ANDROMEDA > Andromeda Software, Inc.
ANU/CRES > Centre for Resource and Environmental Studies, Australian National University
AOYAMA/CHEM > Chemistry Department, Aoyama Gakuin University
AQUAMEDA > Aquamedia
AQUANIC > Aquaculture Network Information Center
AR/CDA > Centro de Datos Antarticos, Argentina
AR/CEADO > Centro Argentino de Datos Oceanograficos, Argentina
AR/CONICET/CENPAT > Centro Nacional Patagonico, National Research Council of Argentina
AR/CREDAS > Regional Satellite Data Center, CONAE, Argentina
ARG > Argray
ARQ > ARQ Internet Solutions
ASF > Alaska Satellite Facility
AT/BEV > Federal Office of Metrology and Surveying, Austria
ATC > Appalachian Trail Conference
ATLSCI > Atlantis Scientific Inc. (ASI)
AU/AADC > Australian Antarctic Data Centre, Australia
AU/AFF/BRS/NRIC > National Resource Information Centre, Bureau of Rural Sciences, Agriculture, Fisheries and Forestry Department, Australia
AU/AFFA/BRS > Bureau of Rural Sciences, Department of Agriculture, Fisheries and Forestry, Australia
AU/AIMS > Australian Institute of Marine Science, Australia
AU/ASWA/IPSRS > IPS Radio and Space Sciences, Australian Space Weather Agency, Australia
AU/BOM > Bureau of Meteorology, Australia
AU/BOM/NSWRO > New South Wales Regional Office, Bureau of Meteorology, Australia
AU/BOM/NTRO > Northern Territory Regional Office, Bureau of Meteorology, Australia
AU/BOM/QRO > Queensland Regional Office, Bureau of Meteorology, Australia
AU/BOM/SARO > South Australia Regional Office, Bureau of Meteorology, Australia
AU/BOM/TARO > Tasmanian-Antarctica Regional Office, Bureau of Meteorology, Australia
AU/BOM/VRO > Victoria Regional Office, Bureau of Meteorology, Australia
AU/BOM/WARO > Western Australia Regional Office, Bureau of Meteorology, Australia
AU/CSIRO/CLW > Land and Water, Commonwealth Scientific and Industrial Research Organization, Australia
AU/CSIRO/ENTO > Entomology Department, Commonwealth Scientific and Industrial Research Organization, Australia
AU/CSIRO/MARINE > Marine Department, Commonwealth Scientific and Industrial Research Organization, Australia
AU/CSIRO/PUB > Publishing, Commonwealth Scientific and Industrial Research Organization, Australia
AU/CSIRO/TRC > Division of Forestry, Tasmanian Research Center, Commonwealth Scientific and Industrial Research Organization, Australia
AU/DEH/ABRS > Australian Biological Resources Study, Department of Environment and Heritage, Australia
AU/GA > Geoscience Australia
AU/NLWRA > National Land and Water Resources Audit, Australia
AU/NSW/WWAI > Wagga Wagga Agricultural Institute, New South Wales, Australia

AU/NSWAG > New South Wales Agriculture, Australia
AU/NT/PWCNT > Parks and Wildlife Commission of the Northern Territory, Northern Territory Government, Australia
AU/QLD/DNR > Department of Natural Resources, Queensland, Australia
AU/QLD/DPI/ACA > Australian Coastal Atlas, Department of Primary Industries, Queensland, Australia
AU/RAN/DOM/AODC > Australian Oceanographic Data Centre, Directorate of Oceanography and Meteorology, Royal Australian Navy, Australia
AU/RAN/HYDRO > Australian Hydrographic Service, Royal Australian Navy, Australia
AU/RBGDT > Royal Botanical Gardens and Domain Trust, Australia
AU/UNSW/CPE > Centre for Photovoltaic Engineering, University of New South Wales, Australia
AU/UTAS/TPAC > Tasmanian Partnership for Advanced Computing (TPAC)
AUBURN/AGRON-S > Agronomy and Soils, Auburn University
AUBURN/ENTO-PL > Entomology and Plant Pathology, Auburn University
AUBURN/FORESTRY > School of Forestry, Auburn University
AUDUBON > National Audubon Society
AUGSBURG/PHYS > Physics Department, Augsburg College
AUGSBURG/PHYS/MACCS > Magnetometer Array for Cusp and Cleft Studies, Physics Department, Augsburg College
AUGUSTANA/GEOL > Department of Geology, Augustana College
AVISO > Archiving, Validation and Interpretation of Satellite Oceanographic Data
AVO/KVERT > Kamchatka Volcanic Eruptions Response Team, Alaskan Volcano Observatory
AVSY > Avian Systems, Inc.
AWI > Alfred Wegener Institute for Polar and Marine Research
AWIS > Agricultural Weather Information Service, Inc.
AWS > AWS Convergence Technologies, Inc.
AWST > AWS Truewind
AXYS > AXYS Environmental Consulting Ltd.
AZ-STATE/CLAS/GEOSCI/GEOPHYS > Geophysics Group, Department of Geological Sciences, College of Liberal Arts and Sciences, Arizona State University
AZ-STATE/SOLS/BIO > Biology Department, School of Life Sciences, Arizona State University
AZ-STATE/SOLS/PL-BIO > Department of Plant Biology, School of Life Sciences, Arizona State University
AZ/GS > Geological Survey, Arizona
BASC/DWG > Digital Working Group, Barrow Arctic Science Consortium
BASF/ARS > Agricultural Research Station, BASF Aktiengesellschaft
BASIC > Bay Area Shared Information Consortium
BASS2000 > Base de donnees Solaire Sol 2000
BAYLOR/CAGSR > Center for Applied Geographic and Spatial Research, Baylor University
BB > BiologyBase
BBG > Brooklyn Botanic Garden
BBN > BBN Technologies
BBSR > Bermuda Biological Station for Research
BDS > British Dragonfly Society
BDT > Base de Datos Tropical
BE/BIRA/IAS > Institut d'Aeronomie Spatiale, Belgisch Instituut voor Ruimte-Aeronomie, Belgium
BE/RBINS/DOI > Department of Invertebrates, Royal Belgian Institute of Natural Sciences, Belgium
BE/RBINS/MUMM > Management Unit of the Mathematical Model of the North Sea, Royal Belgian Institute of Natural Sciences, Belgium
BE/VLIZ > Flanders Marine Institute, Belgium
BENEFIT/SADC-MFEMD > SADC Marine Fisheries and Environmental Metadata Directory, Benguela Environment Fisheries Interaction and Training
BGSU/GEOL > Department of Geology, Bowling Green State University
BIFWMS > Bowen Island Forest and Water Management Society
BIGELOW > Bigelow Laboratory of Ocean Sciences
BIOSIS > BIOSIS
BLI > Birdlife International
BP > BP p.l.c.
BPES > BP Educationa Service
BPS > Backhuys Publishers B.V.
BR/INPE/DPI > Division of Image Processing, National Institute for Space Research, Brazil
BR/INPE/MST > Ministry of Science and Technology, National Institute for Space Research, Brazil
BR/INPE/MST/DAE/FISAT > Upper Atmosphere Research, Aeronomy Division, Ministry of Science and Technology, National Institute for Space Research, Brazil
BR/INPE/MST/DAS > Astrophysics Division, Ministry of Science and Technology, National Institute for Space Research, Brazil
BR/INPE/MST/DGI > Image Generation Division, Ministry of Science and Technology, National Institute for Space Research, Brazil
BR/INPE/MST/DSA > Division of Environmental Satellites Ops, Ministry of Science and Technology, National Institute for Space Research, Brazil
BR/INPE/MST/DSR > Division of Remote Sensing, Ministry of Science and Technology, National Institute for Space Research, Brazil
BR/MST/INPE/CPTEC > Center for Weather Forecast and Climatic Analysis, National Institute for Space Research, Ministry of Science and Technology, Brazil
BSBI > Botanical Society of the British Isles
BSC > Bird Studies Canada
BSSBM/S-V > Springer-Verlag, BertelsmannSpringer Science+Business Media

BU/ES > Department of Earth Sciences, Boston University
BYU/CRS/SCP > Scatterometer Climate Record Pathfinder Program, Center for Remote Sensing, Brigham Young University
CA/AB/ASRD > Alberta Sustainable Resource Development, Alberta Government, Canada
CA/AB/CD/ANHIC > Alberta Natural Heritage Information Centre, Community Development, Alberta Government, Canada
CA/ACZISC SECRETARIAT > Atlantic Coastal Zone Information Steering Committee Secretariat, Canada
CA/AGR/CANSIS > Canadian Soil Information System, Agriculture and Agri-Food Canada
CA/AGR/CLBRR > Centre for Land and Biological Resources Research, Agriculture and Agri-Food Canada
CA/AGR/ECORC > Eastern Cereal and Oilseed Research Centre, Agriculture and Agri-Food Canada
CA/AGR/ECORC/SWAPSS > Soil, Water, Air and Production Systems Section, Eastern Cereal and Oilseed Research Centre, Agriculture and Agri-Food, Canada
CA/AGR/PFRA > Prairie Farm Rehabilitation Administration, Agriculture and Agri-Food Canada
CA/BC/MEM/GS > Geological Survey, Ministry of Energy and Mines, British Columbia, Canada
CA/BC/SRM > Ministry of Sustainable Resource Management, British Columbia, Canada
CA/BC/SRM/CDC > Conservation Data Centre, Ministry of Sustainable Resource Management, British Columbia, Canada
CA/BC/SRM/RMD/LISD > Land Information Services Division, Resource Management Division, Ministry of Sustainable Resource Management, British Columbia, Canada
CA/BC/TRITON > Triton Consultants Ltd., British Columbia, Canada
CA/CCIN > Canadian Cryospheric Information Network, Canada
CA/CIFFC > Canadian Interagency Forest Fire Centre, Canada
CA/CIM-NET > Community Information Management Network, Canada
CA/CSA/ST/SP > Spacecraft Payloads, Space Technologies, Canadian Space Agency, Canada
CA/CWS > Canadian Wildlife Service, Canada
CA/DCH > Department of Canadian Heritage, Canada
CA/DFA > Department of Food and Agriculture, California
CA/DFG > Department of Fish and Game, California
CA/DFG/HCPB > Habitat Conservation Planning Branch, Department of Fish and Game, California
CA/DFG/WHDAB > Wildlife and Habitat Data Analysis Branch, Department of Fish and Game, California
CA/DFO > Fisheries and Oceans, Canada
CA/DFO/BIO > Bedford Institute of Oceanography, Fisheries and Oceans, Canada
CA/DFO/CHS > Canadian Hydrographic Service and International Telecom Inc., Fisheries and Oceans, Canada
CA/DFO/IML > Maurice-Lamontagne Institute, Fisheries and Oceans, Canada
CA/DFO/MEDS > Marine Environmental Data Service, Fisheries and Oceans, Canada
CA/DFO/MR/SB > Science Branch, Maritimes Region, Fisheries and Oceans, Canada
CA/DFO/MR/SB/OSD > Ocean Science Division, Science Branch, Maritimes Region, Fisheries and Oceans, Canada
CA/DFO/PR/SB/ > Science Branch, Pacific Region, Fisheries and Oceans, Canada
CA/DFO/PR/SB/IOS > Institute of Ocean Sciences, Science Branch, Pacific Region, Fisheries and Oceans, Canada
CA/DFO/PR/SB/OSAP > Ocean Sciences and Productivity Division, Science Branch, Pacific Region, Fisheries and Oceans, Canada
CA/DFO/QU > Quebec Region, Fisheries and Oceans, Canada
CA/DFO/STLAWRENCE > St. Lawrence Observatory, Fisheries and Oceans, Canada
CA/DFRP > Department of Forestry and Fire Protection, California
CA/DND/CF > Canadian Forces, Department of National Defense, Canada
CA/DOC/DLRP > Division of Land Resource Protection, Dept of Conservation, California
CA/DOC/SMGB > State Mining & Geology Board, Dept of Conservation, California
CA/DOT/DEA/AQ > Air Quality, Division of Environmental Analysis, Department of Transportation, California
CA/DWR > Department of Water Resources, California
CA/EC > Environment Canada
CA/EC/CCIW > Canada Centre for Inland Waters, Environment Canada
CA/EC/CIS > Canadian Ice Service, Environment Canada
CA/EC/CWS/NWRC > National Wildlife Research Centre, Canadian Wildlife Service, Environment Canada
CA/EC/ECB > Environmental Conservation Branch, Environment Canada
CA/EC/EMAN > Ecological Monitoring and Assessment Network, Environment Canada
CA/EC/EPB/TPD/WPS > Water Pollution Section, Toxics Prevention Division, Environmental Protection Branch, Environment Canada
CA/EC/EPS/PDB/NPRI > National Pollutant Release Inventory, Pollution Data Branch, Environmental Protection Service, Environment Canada
CA/EC/ETC/AAQD > Analysis and Air Quality Division, Environmental Technology Centre, Environment Canada
CA/EC/MSD > Meteorological Service of Canada, Environment Canada
CA/EC/MSD/AMSWD > Atmospheric Monitoring and Water Survey Directorate, Meteorological Service of Canada, Environment Canada
CA/EC/MSD/CCRM > Climate Monitoring and Data Interpretation Division, Meteorological Service of Canada, Environment Canada
CA/EC/MSD/CMC > Canadian Meteorological Centre, Meteorological Service of Canada, Environment Canada
CA/EC/MSD/CRB/CCMA > Canadian Centre for Climate Modelling and Analysis, Climate Research Branch, Meteorological Service of Canada, Environment Canada
CA/EC/MSD/CRYOSYS > CRYosphere SYstem in Canada, Meteorological Service of Canada, Environment Canada
CA/EC/PYR > Pacific and Yukon Region, Environment Canada
CA/EC/PYR/WSC > Water Survey of Canada, Pacific and Yukon Region, Environment Canada
CA/EC/WATER > National Water Issues Branch, Environment Canada
CA/ELECT-CAN > Elections Canada
CA/EPA/ARB > Air Resources Board, EPA, California

CA/EPA/OEHHA > Office of Environmental Health Hazard Assessments, Environmental Protection Agency, California
CA/IDRC > International Development Research Centre, Canada
CA/INAC > Indian and Northern Affairs, Canada
CA/INAC/NAP/MPR/GD > Mining Geology Division, Mineral and Petroleum Resources, Northern Affairs Program, Indian and Northern Affairs, Canada
CA/INAC/NAP/MRD/MID > Mining Inspection Division, Mineral Resources Directorate, Northern Affairs Program, Indian and Northern Affairs, Canada
CA/INAC/NOG > Northern Oil and Gas Directorate, Indian and Northern Affairs, Canada
CA/INAC/WRD > Water Resources Division, Indian and Northern Affairs, Canada
CA/LAC > Library and Archives, Canada
CA/LAC/VSA > Visual and Sound Archives Division, Library and Archives, Canada
CA/MB/AGRI/ITS > Information Technology Services, Manitoba Agriculture, Food, and Rural Initiatives, Canada
CA/MB/MC > Manitoba Conservation, Canada
CA/MB/MC/GEO > Geomatics and Remote Sensing, Manitoba Conservation, Canada
CA/MB/MC/GEO/GEONAMES > Geographical Names Program, Geomatics and Remote Sensing, Manitoba Conservation, Canada
CA/MB/MC/GEO/MLI > Manitoba Land Initiative, Geomatics and Remote Sensing, Manitoba Conservation, Canada
CA/MB/MC/GEO/MRSC > Manitoba Remote Sensing Centre, Geomatics and Remote Sensing, Manitoba Conservation, Canada
CA/MB/MTGS/PDB > Planning and Design Branch, Manitoba Transportation and Government Services, Manitoba, Canada
CA/MB/WATER > Manitoba Water Stewardship, Canada
CA/MDEP > Mojave Desert Ecosystem Program, California
CA/MN > Canadian Museum of Nature, Canada
CA/NAV/AERO > NAV CANADA, Aeronautical Publications
CA/NB/DNR > Department of Natural Resources, New Brunswick, Canada
CA/NB/ELG > Environment and Local Government, New Brunswick, Canada
CA/NB/SNB > Service New Brunswick, New Brunswick, Canada
CA/NB/SNB/RMS > Registry and Mapping Services, Service New Brunswick, New Brunswick, Canada
CA/NEB > National Energy Board, Canada
CA/NFLD/DME > Department of Mines and Energy, Newfoundland and Labrador, Canada
CA/NFLD/DME/GS > Geological Survey, Department of Mines and Energy, Newfoundland and Labrador, Canada
CA/NFLD/DME/PRDD > Petroleum Resources Development Division, Department of Mines and Energy, Newfoundland and Labrador, Canada
CA/NFLD/ENV/SMD > Surveys and Mapping Division, Department of Environment and Conservation, Newfoundland and Labrador, Canada
CA/NFLD/ENV/WRM > Water Resources Management, Environment and Conservation, Newfoundland and Labrador, Canada
CA/NFLD/FISHAQ > Fisheries and Aquaculture, Newfoundland and Labrador, Canada
CA/NFLD/FRA > Forest Resources and Agrifoods, Newfoundland and Labrador, Canada
CA/NFLD/FRA/FB > Forestry Branch, Forest Resources and Agrifoods, Newfoundland and Labrador, Canada
CA/NFLD/FRA/SOIL > Soil and Land Management, Forest Resources and Agrifoods, Newfoundland and Labrador, Canada
CA/NFLD/GSL > Government Services and Lands, Newfoundland and Labrador, Canada
CA/NFLD/INTRD > Department of Industry, Trade and Rural Development, Government of Newfoundland and Labrador, Canada
CA/NFLD/MTPEARL > Planning Department, City of Mount Pearl, Newfoundland and Labrador, Canada
CA/NFLD/PARKSDIV > Parks and Natural Areas, Newfoundland and Labrador, Canada
CA/NFLD/STJOHNS > City of St. John's, Newfoundland and Labrador, Canada
CA/NFLD/TCR/PAO > Provincial Archaeology Office, Tourism, Culture and Recreation, Newfoundland and Labrador, Canada
CA/NRC/DRAO > Dominion Radio Astrophysical Observatory, National Research Council, Canada
CA/NRC/IOT > Institute for Ocean Technology, National Research Council, Canada
CA/NRCAN/AMD > Analysis and Modelling Division, Natural Resources Canada
CA/NRCAN/CFS > Canadian Forest Service, Natural Resources Canada
CA/NRCAN/CFS/AFC > Atlantic Forestry Centre, Canadian Forest Service, Natural Resources Canada
CA/NRCAN/CFS/GLFC > Great Lakes Forestry Centre, Canadian Forest Service, Natural Resources Canada
CA/NRCAN/CFS/LFC > Laurentian Forestry Centre, Canadian Forest Service, Natural Resources Canada
CA/NRCAN/CFS/NOFC > Northern Forestry Centre, Canadian Forest Service, Natural Resources Canada
CA/NRCAN/CFS/PFC > Pacific Forestry Centre, Canadian Forest Service, Natural Resources Canada
CA/NRCAN/CTI > Centre for Topographic Information, Natural Resources Canada
CA/NRCAN/CTIS > Centre for Topographic Information Sherbrooke, Natural Resources Canada
CA/NRCAN/ESS > Earth Sciences Sector, Natural Resources Canada
CA/NRCAN/ESS/GC > Geomatics Canada, Earth Sciences Sector, Natural Resources Canada
CA/NRCAN/ESS/GC/ATS > Aeronautical and Technical Services, Geomatics Canada, Earth Sciences Sector, Natural Resources Canada
CA/NRCAN/ESS/GC/CCRS > Canada Centre for Remote Sensing, Geomatics Canada, Earth Sciences Sector, Natural Resources Canada
CA/NRCAN/ESS/GC/CCRS/EMS > Environmental Monitoring Section, Canada Centre for Remote Sensing, Geomatics Canada, Earth Sciences Sector, Natural Resources Canada
CA/NRCAN/ESS/GC/CCRS/GCDP > GeoConnections Discovery Portal, Canada Centre for Remote Sensing, Geomatics Canada, Earth Sciences Sector, Natural Resources Canada
CA/NRCAN/ESS/GC/CCRS/GEO > GeoAccess Division, Canada Centre for Remote Sensing, Geomatics Canada, Earth Sciences Sector, Natural Resources Canada
CA/NRCAN/ESS/GC/CCRS/GEO/ATLAS > Atlas of Canada, GeoAccess Division, Canada Centre for Remote Sensing, Geomatics Canada, Earth Sciences Sector, Natural Resources Canada
CA/NRCAN/ESS/GC/GSD > Geodetic Survey Division, Geomatics Canada, Earth Sciences Sector, Natural Resources Canada

CA/NRCAN/ESS/GC/LSD/ > Legal Surveys Division, Geomatics Canada, Earth Sciences Sector, Natural Resources Canada
CA/NRCAN/ESS/GC/LSD/RG > Records Group, Legal Surveys Division, Geomatics Canada, Earth Sciences Sector, Natural Resources Canada
CA/NRCAN/ESS/GC/MSB > Mapping Services Branch, Geomatics Canada, Earth Sciences Sector, Natural Resources Canada
CA/NRCAN/ESS/GSC > Geological Survey of Canada, Earth Sciences Sector, Natural Resources Canada
CA/NRCAN/ESS/GSC/ATL > Geological Survey of Canada-Atlantic, Earth Sciences Sector, Natural Resources Canada
CA/NRCAN/ESS/GSC/BOOK > Bookstore, Geological Survey of Canada, Earth Sciences Sector, Natural Resources Canada
CA/NRCAN/ESS/GSC/CAL > Geological Survey of Canada-Calgary, Earth Sciences Sector, Natural Resources Canada
CA/NRCAN/ESS/GSC/CAL/SMGB > Sedimentary and Marine Geoscience Branch, Geological Survey of Canada-Calgary, Earth Sciences Sector, Natural Resources Canada
CA/NRCAN/ESS/GSC/CGD > Continental Geosciences Division, Geological Survey of Canada, Earth Sciences Sector, Natural Resources Canada
CA/NRCAN/ESS/GSC/EQ > Earthquakes, Geological Survey of Canada, Earth Sciences Sector, Natural Resources Canada
CA/NRCAN/ESS/GSC/GDC > Geophysical Data Centre, Geological Survey of Canada, Earth Sciences Sector, Natural Resources Canada
CA/NRCAN/ESS/GSC/MRD > Mineral Resources Division, Geological Survey of Canada, Earth Sciences Sector, Natural Resources Canada
CA/NRCAN/ESS/GSC/NUN > Geological Survey of Canada-Nunavut Geoscience Office, Earth Sciences Sector, Natural Resources Canada
CA/NRCAN/ESS/GSC/PAC > Geological Survey of Canada - Pacific, Earth Sciences Sector, Natural Resources Canada
CA/NRCAN/ESS/GSC/QUE > Geological Survey of Canada-Quebec, Earth Sciences Sector, Natural Resources Canada
CA/NRCAN/ESS/GSC/STS > Terrain Sciences Division, Geological Survey of Canada-Atlantic, Earth Sciences Sector, Natural Resources Canada
CA/NRCAN/ESS/NAPL > National Air Photo Library, Earth Sciences Sector, Natural Resources Canada
CA/NRCAN/MMS > Minerals and Metals Sector, Natural Resources Canada
CA/NRCAN/MMS/MMSD > Minerals and Mining Statistics Division, Minerals and Metals Sector, Natural Resources Canada
CA/NRCAN/OEE > Office of Energy Efficiency, Natural Resources Canada
CA/NRCAN/RETSCREEN > RETScreen International Renewable Energy Decision Support Centre, Natural Resources Canada
CA/NS/AF/ASB > Agriculture Services Branch, Agriculture and Fisheries, Nova Scotia, Canada
CA/NS/AF/FAS/AD > Aquaculture Division, Fisheries and Aquaculture Services, Agriculture and Fisheries, Nova Scotia, Canada
CA/NS/AF/FAS/IF > Inland Fisheries, Fisheries and Aquaculture Services, Agriculture and Fisheries, Nova Scotia, Canada
CA/NS/AF/IDBSB/MSD > Marketing Services Division, Industry Development and Business Services Branch, Agriculture and Fisheries, Nova Scotia, Canada
CA/NS/EL/ROD/EMC > Environmental Monitoring and Compliance, Regional Offices Division, Environment and Labour, Nova Scotia, Canada
CA/NS/EL/ROD/PA > Protected Areas, Environment and Labour, Nova Scotia, Canada
CA/NS/MNH > Museum of Natural History, Nova Scotia, Canada
CA/NS/MRB > Mineral Resources Branch, Nova Scotia Department of Natural Resources, Canada
CA/NS/NATR/LSB/SD/GIS > GIS and Cartography Section, Surveys Division, Land Services Branch, Natural Resources, Nova Scotia, Canada
CA/NS/NATR/RRB/FD > Forestry Division, Renewable Resources Branch, Natural Resources, Nova Scotia, Canada
CA/NS/NATR/RRB/WD > Wildlife Division, Renewable Resources Branch, Natural Resources, Nova Scotia, Canada
CA/NS/SNSMR/RIMS/NSGC > Nova Scotia Geomatics Centre, Registry and Information Management Services, Service Nova Scotia and Municipal Relations, Nova Scotia, Canada
CA/NS/SRC > Sport and Recreation Commission, Nova Scotia, Canada
CA/NS/TPW/PD > Planning Division, Transportation and Public Works, Nova Scotia, Canada
CA/NWT/NTGO > Northwest Territories Geoscience Office, Government of Northwest Territories, Canada
CA/ON/ENE/EMRB > Environmental Monitoring and Reporting Branch, Ministry of the Environment, Ontario, Canada
CA/ON/MNR > Ministry of Natural Resources, Ontario, Canada
CA/ON/MNR/NHIC > Ontario Natural Heritage Information Centre, Ministry of Natural Resources, Ontario, Canada
CA/ON/OTTAWA > City of Ottawa, Ontario, Canada
CA/ON/OTTAWA/ITB > Information Technology Branch, Ottawa, Ontario, Canada
CA/ON/YORK/GEOMATICS > Geomatics Branch, York Region, Ontario, Canada
CA/PARKS > Parks Canada
CA/PEI/AF > Agriculture, Fisheries, Aquaculture, and Forestry, Prince Edward Island, Canada
CA/PEI/EEF > Department of Environment, Energy and Forestry, Prince Edward Island, Canada
CA/RA/CERES > California Environmental Resources Evaluation System, Resources Agency, California
CA/RA/CERES/CASIL > California Spatial Information Library, California Environmental Resources Evaluation System, Resources Agency, California
CA/RA/CLP > California Legacy Project, Resources Agency, California
CA/RA/TC > Tahoe Conservancy, Resources Agency, California
CA/SCCWRP > Southern California Coastal Water Research Project, California
CA/SK/SE/CORP/IMB > Information Management Branch, Corporate, Saskatchewan Environment, Canada
CA/SK/SE/EPB > Environmental Protection Branch, Saskatchewan Environment, Canada
CA/SK/SE/FEB > Forest Ecosystems Branch, Saskatchewan Environment, Saskatchewan, Canada
CA/SK/SE/FWB/SCDC > Saskatchewan Conservation Data Centre, Fish & Wildlife Branch, Saskatchewan Environment, Canada
CA/SSA > Salton Sea Authority, California
CA/STATSCAN/AG > Agriculture Division, Statistics Canada
CA/STATSCAN/AG/SAGA > Spatial Analysis and Geomatics Applications, Agriculture Division, Statistics Canada
CA/STATSCAN/AS/AB > Northern Alberta Region and Northwest Territories, Advisory Services, Statistics Canada
CA/STATSCAN/AS/ATL > Atlantic Region, Advisory Services, Statistics Canada
CA/STATSCAN/AS/MB > Manitoba Region, Advisory Services, Statistics Canada
CA/STATSCAN/AS/ON > Ontario Region, Advisory Services, Statistics Canada
CA/STATSCAN/AS/PAC-YUK > Pacific Region and Yukon Territory, Advisory Services, Statistics Canada
CA/STATSCAN/AS/QU > Quebec Region, Advisory Services, Statistics Canada

CA/STATSCAN/AS/SK > Saskatchewan Region, Advisory Services, Statistics Canada
CA/STATSCAN/GEOG > Geography Division, Statistics Canada
CA/STATSCAN/REF/CAP-RGN > National Capital Region, Statistical Reference Centre, Statistics Canada
CABI/BIO > CABI Bioscience, CAB International
CALCOFI > California Cooperative Oceanic Fisheries Investigation
CALFLORA > Calflora
CALSTATE-HAYWARD/GEOL > Department of Geological Sciences, California State University, Hayward
CALSTATE-LA/VC > Virtual Courseware, California State University, Los Angeles
CALSTATE-LB/GEOG/SCWHC > Southern California Wildfire Hazard Center, Geography Department, California State University, Long Beach
CALSTATE-LB/GEOL > Department of Geological Sciences, California State University, Long Beach
CALTECH/GPS > Division of Geological and Planetary Sciences, California Institute of Technology
CALTECH/SCEDC > Southern California Earthquake Data Center, California Institute of Technology
CALTECH/SRL/ACE > Advanced Composition Explorer, Space Radiation Laboratory, California Institute of Technology
CAMPBELL-SCI > Campbell Scientific, Inc.
CAN/BC-HYDRO > BC Hydro, Canada
CANADAX > Canadax Industrial Group Limited
CARBONPROJECT > Carbon Project
CARIS > Computer Aided Resource Information System
CARLETON/SERC > Science Education Resource Center, Carleton College
CARO-COOPS > Carolinas Coastal Ocean Observing and Prediction System
CATHALAC > Centro del Agua del Tropico Humedo para America Latina y el Caribe
CBF > Chesapeake Bay Foundation
CBL > Collins Bartholomew Ltd.
CBOS > Chesapeake Bay Observing System
CBP > Chesapeake Bay Program
CCNOW > CCNow Incorporated
CCORS > Center for Climate/Ocean Resources Study
CCSP > US Climate Change Science Program
CCSP/GCRIO > US Global Change Research Information Office, Climate Change Science Program
CD > Convective Development
CDS > Communications Data Services, Inc.
CEDARE > Centre for Environment and Development for the Arab Region and Europe
CENPAT > Patagonian National Centre
CEREGE > Centre Europeen de Recherche et d'Enseignement des Geosciences de l'Environnement (CEREGE)
CGIAR/ASTI > Agricultural Science and Technology Indicators, Consultative Group on International Agricultural Research
CGIAR/CIAT > Centro Internacional de Agricultura Tropical, Consultative Group on International Agricultural Research
CGIAR/CIFOR > Center for International Forestry Research, Consultative Group on International Agricultural Research
CGIAR/ICARDA > International Center for Agricultural Research in the Dry Areas, Consultative Group on International Agricultural Research
CGIAR/ICRAF/WAC > World Agroforestry Centre, International Centre for Research in Agroforestry, Consultative Group on International Agricultural Research
CGIAR/IPGRI > International Plant Genetic Resources Institute, Consultative Group on International Agricultural Research
CGIAR/IWMI > International Water Management Institute, Consultative Group on International Agricultural Research
CGIAR/SGRP > System-wide Genetic Resources Programme, Consultative Group on International Agricultural Research
CH/EMPA > Swiss Federal Laboratories for Materials Testing and Research, Switzerland
CH/SSS > Swiss Seismological Service, Switzerland
CHA > Canadian Healthcare Association
CHANGING PLANET > CHANGING PLANET
CHEVRON > Chevron Corp.
CHRISTINE_GIS > Christine GIS Systems
CHRONOS > CHRONOS
CIA > Central Intelligence Agency
CICT/LB > Laboratoire de Bacteriologie, Centre Interuniversitaire de Calcul de Toulouse
CIESIN > Center for International Earth Science Information Network
CIESIN/CIKARD > Center for Indigenous Knowledge for Agriculture and Rural Development, Center for International Earth Science Information Network
CIMMYT > International Maize and Wheat Improvement Center
CINECA > Interuniversity Consortium - Italy
CIP > International Potato Center
CL/CENDOC > Centro Nacional de Datos Oceanograficos de Chile
CL/INACH/CENDA > Centro Nacional de Datos Antarticos, Instituto Antartico Chileno, Chile
CLARKSON/CEE > Department of Civil and Environmental Engineering, Clarkson University
CLEMSON/AGBIOENG > Agricultural and Biological Engineering Department, Clemson University
CLEMSON/AGWX > Agricultural Weather Office, Clemson University
CLEMSON/BFSI > Baruch Forest Science Institute, Clemson University
CLEMSON/HORT > Horticulture Department, Clemson University
CLEMSON/PDREC > Pee Dee Research and Education Center, Clemson University

CLIVAR VACS > Variability of the African Climate System, CLIVAR
CMB > Centre for Marine Biodiversity, Canada
CMI > Cycloview Media Inc.
CMRN > Clary-Meuser Research Network
CMU/GEOG > Geography Department, Central Michigan University
CN/CAS/CRSGS > China Remote Sensing Satellite Ground Station, Chinese Academy of Sciences, China
CN/CERN > Chinese Ecosystem Research Network, China
CN/MA/CAAS > Chinese Academy of Agricultural Science, Ministry of Agriculture, China
CN/MAG/CAFS/YSFRI > Yellow Sea Fisheries Research Institute, Chinese Academy of Fishery Sciences, Ministry of Agriculture, China
CN/MST/ISTIC > Institute of Scientific and Technical Information of China, Ministry of Science and Technology, China
CN/NADC > National Antarctic and Arctic Data Center of China
CO-C/GEOL > Geology Department, Colorado College
CO/CCC > Colorado Climate Center, Colorado
COA/GISLAB > Geographic Information Systems Laboratory, College of the Atlantic
COD/NGWL > Next Generation Weather Lab, College of DuPage
CODEHAUS > CODEHAUS
COLGATE/GEOL > Geology Department, Colgate University
COLOSTATE/CAS/DSCS > Department of Soil and Crop Sciences, College of Agricultural Sciences, Colorado State University
COLOSTATE/CIRA/RAMM > Regional and Mesoscale Meteorology, Cooperative Institute for Research in the Atmosphere, Colorado State University
COLOSTATE/CNR > College of Natural Resources, Colorado State University
COLOSTATE/CSMATE > Center for Science, Mathematics, and Technology Education, Colorado State University
COLOSTATE/NREL > Natural Resource Ecology Laboratory, Colorado State University
COLUMBIA/DBI > Department of Biomedical Informatics, Columbia University
COLUMBIA/EPIC > Electronic Publishing Initiative at Columbia, Columbia University
COLUMBIA/LDEO > Lamont-Doherty Earth Observatory, Columbia University
COLUMBIA/LDEO/CHRR > Center for Hazards and Risk Research, Lamont-Doherty Earth Observatory, Columbia University
COLUMBIA/LDEO/EESC > Department of Earth and Environmental Sciences, Lamont-Doherty Earth Observatory, Columbia University
COLUMBIA/LDEO/IRI/CDL > Climate Data Library, International Research Institute for Climate Prediction, Lamont-Doherty Earth Observatory, Columbia University
COLUMBIA/LDEO/IRI/TRL > Tree-Ring Laboratory, International Research Institute for Climate Prediction, Lamont-Doherty Earth Observatory, Columbia University
COLUMBIA/LDEO/MGDMS > Marine Geoscience Data Management System, Lamont-Doherty Earth Observatory, Columbia University
COLUMBIA/LDEO/MGDMS/AMSD > Antarctic Multibeam Synthesis Database, Marine Geoscience Data Management System, Lamont-Doherty Earth Observatory, Columbia University
COMTF > California Oak Mortality Task Force
CORAL > Coral Reef Alliance
CORNELL/BIO/EEB > Ecology and Evolutionary Biology, Department of Biology, Cornell University
CORNELL/CSS > Department of Crop and Soil Sciences, Cornell University
CORNELL/DNBB > Department of Neurobiology and Behavior, Cornell University
CORNELL/EAS/ATMO > Atmospheric Science Program, Department of Earth and Atmospheric Sciences, Cornell University
CORNELL/INSTOC > Institute for the Study of the Continents, Cornell University
CORNELL/NR > Department of Natural Resources, Cornell University
CORNELL/PL-BIO > Department of Plant Biology, Cornell University
COSMOS/VDC > Virtual Data Center, Consortium of Organizations for Strong-Motion Observation Systems
CPC > ConocoPhillips Company
CRC PRESS > CRC Press
CRED > Centre for Research on the Epidemiology of Disasters
CROWNPUB > Crown Publications, Inc.
CSA > Cambridge Scientific Abstracts
CSANY/INFOSHARE > Infoshare, Community Studies Associates of NY, Inc.
CSUOHIO/CESTP > Center for Environmental Science, Technology and Policy, Cleveland State University
CT > ChartTiff
CT/CLIM > State Climate Center, Connecticut
CTIC > Conservation Technology Information Center
CTR > Crowding the Rim
CVAG > Coachella Valley Association of Governments
CVI > Canaan Valley Institute
CVOU-O/ISN-O > Institute for Science Networking Oldenburg GmbH, Carl von Ossietzky University of Oldenburg
CWAB > ChartWrite AB
CWM/VIMS > Virginia Institute of Marine Science, College of William and Mary
CWM/VIMS/BIO/ZE > Zooplankton Ecology Lab, Department of Biological Sciences, Virginia Institute of Marine Science, College of William and Mary
DALHOUSIE/OCEAN > Department of Oceanography, Dalhousie University
DARTMOUTH/GEOG/FLOOD > Flood Observatory, Department of Geography, Dartmouth College
DARTMOUTH/THAYER > Thayer School of Engineering, Dartmouth College
DCI/DC > Discovery Channel, Discovery Communications Inc.
DE/BSH/DOD > Deutsches Ozeanographisches Datenzentrum, Bundesamt für Seeschifffahrt und Hydrographie, Germany

DE/CLIM > State Climatologist, Delaware
DE/DLR/DFD > German Remote Sensing Data Center, Deutsches Fernerkundungsdatenzentrum (DFD), German Aerospace Center, Germany
DE/DLR/DFD/EOWEB > Satellite Data Information Service, German Remote Sensing Data Center, Deutsches Fernerkundungsdatenzentrum (DFD), German Aerospace Center, Germany
DE/DLR/DFD/ISIS > Intelligent Satellite Data Information System, German Remote Sensing Data Center, Deutsches Fernerkundungsdatenzentrum (DFD), German Aerospace Center, Germany
DE/DWD > Deutscher Wetterdienst (German Meteorological Service), Germany
DE/DWD/NKDZ > Nationales Klimadatenzentrum, Deutscher Wetterdienst (German Meteorological Service), Germany
DE/FAL > Federal Agricultural Research Center, Braunschweig-Volkenroede, Germany
DE/FIH/GRDC > Global Runoff Data Center, Federal Institute of Hydrology, Germany
DE/GFZ > Geo Research Center Potsdam, Germany
DE/GKSS/ICR > Institute for Coastal Research, GKSS Forschungszentrum GmbH Geesthacht, Germany
DE/GSF-PUC > GSF Research Center for Environment and Health/PUC, Germany
DE/MER/DKRZ > Deutsches Klimarechenzentrum GmbH, Ministry of Education and Research, Germany
DE/MPE/EDC > Equator-S Data Centre, Max Plank Institut für Extraterrestrische Physik
DE/TERRESTRIS > Terrestris, Germany
DE/UFZ > Umweltforschungszentrum Leipzig (Center for Environmental Research, Leipzig), Germany
DE/UK/GI > Geophysikalischen Instituts (Geophysics Institute), Universität Fridericiana Karlsruhe (University of Karlsruhe), Germany
DE/UK/IMK > Institut für Meteorologie und Klimaforschung (IMK), Universität Fridericiana Karlsruhe (University of Karlsruhe), Germany
DE/ZALF > Leibniz-Centre for Agricultural Landscape and Land Use Research, Germany
DEVEL-TECH > Devel-Tech Inc.
DG > Digital Grove
DHHS > U.S. Department of Health and Human Services
DHHS/AHRQ > Agency for HealthCare Research and Quality, U.S. Department of Health and Human Services
DHHS/CDC/ATSDR > Agency for Toxic Substances and Disease Registry, CDC, U.S. Department of Health and Human Services
DHHS/CDC/EPO > Epidemiology Program Office, CDC, U.S. Department of Health and Human Services
DHHS/CDC/EPR > Emergency Preparedness & Response, CDC, U.S. Department of Health and Human Services
DHHS/CDC/NCCDPHP/CDP > Chronic Disease Prevention, National Center for Chronic Disease Prevention and Health Promotion, CDC, U.S. Department of Health and Human Services
DHHS/CDC/NCHSTP/DHAP > Divisions of HIV/AIDS Prevention, National Center for HIV, STD and TB Prevention, CDC, U.S. Department of Health and Human Services
DHHS/CDC/NCID/DBMD > Division of Bacterial and Mycotic Diseases, National Center for Infectious Diseases, CDC, U.S. Department of Health and Human Services
DHHS/CDC/NCIDOD/FDDDB/FOODNET > FoodNet, Foodborne and Diarrheal Diseases Branch, National Center for Infectious Diseases, CDC, U.S. Department of Health and Human Services
DHHS/CMS > Centers for Medicare & Medicaid Services, U.S. Department of Health and Human Services
DHHS/NIH/NIMH/RSB > Research Services Branch, National Institute of Mental Health, National Institutes of Health, U.S. Department of Health and Human Services
DHHS/NIH/NLM/NCBI > National Center for Biotechnology Information, National Library of Medicine, National Institutes of Health, U. S. Department of Health and Human Services
DHHS/NIH/NLM/SIS > Specialized Information Services, National Library of Medicine, National Institutes of Health, U. S. Department of Health and Human Services
DHI-S > DHI Software
DHS > U.S. Department of Homeland Security
DHS/CG/NRC > National Response Center, U.S. Coast Guard, U.S. Department of Homeland Security
DHS/FEMA > Federal Emergency Management Agency, U.S. Department of Homeland Security
DHS/FEMA/MD/HAZUS > Hazards U.S., Mitigation Division, FEMA, U.S. Department of Homeland Security
DHS/FEMA/MMI > Multi-Hazard Mapping Initiative, FEMA, Department of Homeland Security
DHS/FEMA/MSD > Map Service Center, FEMA, U.S. Department of Homeland Security
DIVA-GIS > DIVA-GIS
DK/DIAS/MFAF/DAE > Department of Agricultural Engineering, Ministry of Food Agriculture and Fisheries, Danish Institute of Agricultural Sciences, Denmark
DK/MC/CEW > Copenhagen Energy Wind, Municipality of Copenhagen, Denmark
DK/MFAF/DIFRES > Danish Institute for Fisheries Research, Ministry of Food, Agriculture and Fish, Denmark
DK/MWTC > Middelgrunden Wind Turbine Cooperative, Denmark
DLESE > Digital Library for Earth System Education
DMSG > DM Solutions Group
DMTI > Desktop Mapping Technologies Inc.
DO-ED > U.S. Department of Education
DOC > U.S. Department of Commerce
DOC/BC > Bureau of Census, U.S. Department of Commerce
DOC/BEA > Bureau of Economic Analysis, U. S. Department of Commerce
DOC/NIST > National Institute of Standards and Technology, U.S. Department of Commerce
DOC/NOAA > National Oceanic & Atmospheric Administration
DOC/NOAA/CBO > NOAA Chesapeake Bay Office, U.S. Department of Commerce
DOC/NOAA/EDU > Education Resources, National Oceanic & Atmospheric Administration, Department of Commerce

DOC/NOAA/ESRL/GMD > Global Monitoring Division, Earth System Research Laboratory, NOAA, U.S. Department of Commerce
DOC/NOAA/ESRL/GMD/CCGG > Carbon Cycle Greenhouse Gases Group, Global Monitoring Division, Earth System Research Laboratory, NOAA, U.S. Department of Commerce
DOC/NOAA/ESRL/GMD/HATS > Halocarbons and other Atmospheric Trace Species Group, Global Monitoring Division, Earth System Research Laboratory, NOAA, U.S. Department of Commerce
DOC/NOAA/ESRL/GSD/FSL > Forecast Systems Laboratory, Global Systems Division, Earth System Research Laboratory, NOAA, U.S. Department of Commerce
DOC/NOAA/ESRL/GSD/ISB > Information Systems Division, Global Systems Division, Earth System Research Laboratory, NOAA, U.S. Department of Commerce
DOC/NOAA/GFDL > NOAA Geophysical Fluid Dynamics Laboratory, U.S. Department of Commerce
DOC/NOAA/GFDL/NOMADS > NOAA Geophysical Fluid Dynamics Laboratory Operational Model Archive and Distribution System, U.S. Department of Commerce
DOC/NOAA/NESDIS/COARE > TOGA COARE Data Information System, NESDIS, NOAA, U.S. Department of Commerce
DOC/NOAA/NESDIS/CWP > CoastWatch Program, NESDIS, NOAA, U.S. Department of Commerce
DOC/NOAA/NESDIS/NCDC > National Climatic Data Center, NESDIS, NOAA, U.S. Department of Commerce
DOC/NOAA/NESDIS/NCDC/CLASS > Comprehensive Large Array-data Stewardship System, National Climatic Data Center, NESDIS, NOAA, U.S. Department of Commerce
DOC/NOAA/NESDIS/NGDC > National Geophysical Data Center, NESDIS, NOAA, U.S. Department of Commerce
DOC/NOAA/NESDIS/NGDC/GEOMAG > Geomagnetism, National Geophysical Data Center, NESDIS, NOAA, U.S. Department of Commerce
DOC/NOAA/NESDIS/NGDC/LG > Land Geophysics, National Geophysical Data Center, NESDIS, NOAA, U.S. Department of Commerce
DOC/NOAA/NESDIS/NGDC/NH > Natural Hazards, National Geophysical Data Center, NESDIS, NOAA, U.S. Department of Commerce
DOC/NOAA/NESDIS/NODC > National Oceanographic Data Center, NESDIS, NOAA, U.S. Department of Commerce
DOC/NOAA/NESDIS/NODC/COL > Coastal Ocean Laboratory, National Oceanographic Data Center, NESDIS, NOAA, U.S. Department of Commerce
DOC/NOAA/NESDIS/NODC/JASADCP > Joint Archive for Shipboard ADCP, National Oceanographic Data Center, NESDIS, NOAA, U.S. Dept. of Commerce
DOC/NOAA/NESDIS/NODC/LISD > Library Services Information Division, NESDIS, NOAA, U.S. Department of Commerce
DOC/NOAA/NESDIS/NODC/NCDDC > National Coastal Data Development Center, National Oceanographic Data Center, NESDIS, NOAA, U.S. Department of Commerce
DOC/NOAA/NESDIS/NODC/OCL > Ocean Climate Laboratory, National Oceanographic Data Center, NESDIS, NOAA, U.S. Department of Commerce
DOC/NOAA/NESDIS/NOSA > NOAA Observing Systems Architecture, NESDIS, NOAA, U.S. Department of Commerce
DOC/NOAA/NESDIS/OPDB/FPDT > Forecast Products Development Team, Operational Products Development Branch, NESDIS, NOAA, U.S. Department of Commerce
DOC/NOAA/NESDIS/ORA/LSA > Laboratory for Satellite Altimetry, Office of Research and Applications, NESDIS, NOAA, U.S. Department of Commerce
DOC/NOAA/NESDIS/ORA/LST > Land Surface Team, Office of Research and Applications, NESDIS, NOAA, U.S. Department of Commerce
DOC/NOAA/NESDIS/OSDPD > Office of Satellite Data Processing and Distribution, NESDIS, NOAA, U.S. Department of Commerce
DOC/NOAA/NESDIS/OSDPD/IPD > Information Processing Division, Office of Satellite Data Processing and Distribution, NESDIS, NOAA, U.S. Department of Commerce
DOC/NOAA/NESDIS/OSDPD/SSD > Satellite Services Division, Office of Satellite Data Processing and Distribution, NESDIS, NOAA, U.S. Department of Commerce
DOC/NOAA/NESDIS/OSEI > Operational Significant Event Imagery Server, NESDIS, NOAA, U.S. Department of Commerce
DOC/NOAA/NESDIS/SAA > Satellite Active Archive, NESDIS, NOAA, U.S. Department of Commerce
DOC/NOAA/NIC > National Ice Center, NOAA, U.S. Department of Commerce
DOC/NOAA/NMFS/AFSC > Alaska Fisheries Science Center, National Marine Fisheries Service, NOAA, U.S. Department of Commerce
DOC/NOAA/NMFS/AFSC/NMML > National Marine Mammal Laboratory, Alaska Fisheries Science Center, National Marine Fisheries Service, NOAA, U.S. Department of Commerce
DOC/NOAA/NMFS/AFSC/NMML/APIS > Antarctic Pack Ice Seals, National Marine Mammal Laboratory, Alaska Fisheries Science Center, NMFS, NOAA, U.S. Department of Commerce
DOC/NOAA/NMFS/FSED > Fisheries Statistics and Economics Division, National Marine Fisheries Service, NOAA, U.S. Department of Commerce
DOC/NOAA/NMFS/NEFSC > Northeast Fisheries Science Center, National Marine Fisheries Service, NOAA, U.S. Department of Commerce
DOC/NOAA/NMFS/OST > Office of Science & Technology, National Marine Fisheries Service, NOAA, U.S. Department of Commerce
DOC/NOAA/NMFS/OST/RACD > Research Analysis & Coordination Division, Office of Science & Technology, National Marine Fisheries Service, NOAA, U.S. Department of Commerce
DOC/NOAA/NMFS/SEFSC > Southeast Fisheries Science Center, National Marine Fisheries Service, NOAA, U.S. Department of Commerce
DOC/NOAA/NMFS/SEFSC/SEAMAP > SOUTHEAST AREA MONITORING AND ASSESSMENT PROGRAM (SEAMAP), SOUTHEAST FISHERIES SCIENCE CENTER, NATIONAL MARINE FISHERIES SERVICE, NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION, U.S. DEPARTMENT OF COMMERCE
DOC/NOAA/NMFS/SWFSC > Southwest Fisheries Science Center, National Marine Fisheries Service, NOAA, U.S. Department of Commerce
DOC/NOAA/NMFS/SWFSC/PFEL > Pacific Fisheries Environmental Laboratory, Southwest Fisheries Science Center, National Marine Fisheries Service, NOAA, U.S. Department of Commerce
DOC/NOAA/NOS > National Ocean Service, NOAA, U.S. Department of Commerce
DOC/NOAA/NOS/CO-OPS > Center for Operational Oceanographic Products and Services, National Ocean Service, NOAA, U.S. Department of Commerce
DOC/NOAA/NOS/CORIS > Coral Reef Information System, National Ocean Service, NOAA, U.S. Department of Commerce
DOC/NOAA/NOS/CSC > Coastal Services Center, National Ocean Service, NOAA, U.S. Department of Commerce
DOC/NOAA/NOS/CSC/CRS > Coastal Remote Sensing Program, Coastal Services Center, National Ocean Service, NOAA, U.S. Department of Commerce

DOC/NOAA/NOS/CSC/LCR > Landscape Characterization and Restoration, Coastal Services Center, National Ocean Service, NOAA, U.S. Department of Commerce

DOC/NOAA/NOS/MBO/SP > Special Projects, Management and Budget Office, National Ocean Service, NOAA, U.S. Department of Commerce

DOC/NOAA/NOS/NCCOS > National Centers for Coastal Ocean Science, National Ocean Service, NOAA, U.S. Department of Commerce

DOC/NOAA/NOS/NCCOS/CCMA > Center for Coastal Monitoring and Assessment, National Ocean Service, NOAA, U.S. Department of Commerce

DOC/NOAA/NOS/NCCOS/CSCOR > Center for Sponsored Coastal Ocean Research, National Centers for Coastal Ocean Science, National Ocean Service, NOAA, U.S. Department of Commerce

DOC/NOAA/NOS/NGS > National Geodetic Survey, National Ocean Service, NOAA, U.S. Department of Commerce

DOC/NOAA/NOS/NMS > National Marine Sanctuaries, National Ocean Service, NOAA, U.S. Department of Commerce

DOC/NOAA/NOS/NMS/STELLWAGEN > Stellwagen Bank National Marine Sanctuary, National Marine Sanctuaries, National Ocean Service, NOAA, U.S. Department of Commerce

DOC/NOAA/NOS/OCRM/NERR > National Estuarine Research Reserve, Ocean and Coastal Resource Management, National Ocean Service, NOAA, U.S. Department of Commerce

DOC/NOAA/NOS/OCS > Office of Coast Survey, National Ocean Service, NOAA, U.S. Department of Commerce

DOC/NOAA/NOS/OCS/CSDL/MMAP > Marine Modeling and Analysis Program, CSDL,OCS,NOS, NOAA, Department of Commerce

DOC/NOAA/NOS/OCS/HSD > Hydrographic Surveys Division, Office of Coast Survey, National Ocean Service, NOAA, U.S. Department of Commerce

DOC/NOAA/NOS/OCS/MCD > Marine Chart Division, Office of Coast Survey, National Ocean Service, NOAA, U.S. Department of Commerce

DOC/NOAA/NOS/ORCA/CMBAD > Coastal Monitoring and Bioeffects Assessment Division, ORCA, National Ocean Service, NOAA, U.S. Department of Commerce

DOC/NOAA/NOS/ORCA/SEA > Strategic Environmental Assessment Division, ORCA, National Ocean Service, NOAA, U.S. Department of Commerce

DOC/NOAA/NOS/ORR > Office of Response and Restoration, National Ocean Service, NOAA, U.S. Department of Commerce

DOC/NOAA/NOS/ORR/HAZMAT > Hazardous Material Response Division, Office of Response and Restoration, National Ocean Service, NOAA, U.S. Department of Commerce

DOC/NOAA/NOS/SPO > Special Projects Office, National Ocean Service, NOAA, U.S. Department of Commerce

DOC/NOAA/NWS > National Weather Service, NOAA, U.S. Department of Commerce

DOC/NOAA/NWS/APRFC > Alaska-Pacific River Forecast Center, National Weather Service, NOAA, U.S. Department of Commerce

DOC/NOAA/NWS/ARH > Alaska Region Headquarters, National Weather Service, NOAA, U.S. Department of Commerce

DOC/NOAA/NWS/ARH/WCATWC > West Coast and Alaska Tsunami Warning Center, Alaska Region Headquarters, National Weather Service, NOAA, U.S. Department of Commerce

DOC/NOAA/NWS/BOSTON > Forecast Office Boston Massachusetts, National Weather Service, NOAA, U.S. Department of Commerce

DOC/NOAA/NWS/CBRFC > Colorado Basin River Forecast Center, National Weather Service, NOAA, U.S. Department of Commerce

DOC/NOAA/NWS/FSD > Sioux Falls, SD Forecast Office, National Weather Service, NOAA, U.S. Department of Commerce

DOC/NOAA/NWS/ILN > Wilmington, OH Forecast Office, National Weather Service, NOAA, U.S. Department of Commerce

DOC/NOAA/NWS/LA > Los Angeles/Oxnard California Forecast Office, National Weather Service, NOAA, U.S. Department of Commerce

DOC/NOAA/NWS/LWX > Baltimore-Washington Forecast Office, National Weather Service, NOAA, U.S. Department of Commerce

DOC/NOAA/NWS/NCEP > National Centers for Environmental Prediction, National Weather Service, NOAA, U.S. Department of Commerce

DOC/NOAA/NWS/NCEP/CPC > Climate Prediction Center, National Centers for Environmental Prediction, National Weather Service, NOAA, U.S. Department of Commerce

DOC/NOAA/NWS/NCEP/SEC > Space Environment Center, National Centers for Environmental Prediction, National Weather Service, NOAA, U.S. Department of Commerce

DOC/NOAA/NWS/NCEP/SPC > Storm Prediction Center, National Centers for Environmental Prediction, National Weather Service, NOAA, U.S. Department of Commerce

DOC/NOAA/NWS/NCEP/TPC/NHC > National Hurricane Center,Tropical Prediction Center, National Centers for Environmental Prediction, National Weather Service, NOAA, U.S. Department of Commerce

DOC/NOAA/NWS/NDBC > National Data Buoy Center, National Weather Service, NOAA, U.S. Department of Commerce

DOC/NOAA/NWS/NOHRSC > National Operational Hydrologic Remote Sensing Center, National Weather Service, NOAA, U.S. Department of Commerce

DOC/NOAA/NWS/OAX > Kansas City/Pleasant Hill, MO Forecast Office, National Weather Service, NOAA, U.S. Department of Commerce

DOC/NOAA/NWS/OHD > Office of Hydrologic Development, National Weather Service, NOAA, U.S. Department of Commerce

DOC/NOAA/NWS/OST/MDL > Meteorological Development Laboratory, Office of Science and Technology, National Weather Service, NOAA, U.S. Department of Commerce

DOC/NOAA/NWS/PRH/ITIC > International Tsunami Information Center, Pacific Region Headquarters, National Weather Service, NOAA, U.S. Department of Commerce

DOC/NOAA/NWS/PTWC > Pacific Tsunami Warning Center, National Weather Service, NOAA, U.S. Department of Commerce

DOC/NOAA/NWS/PUB > Pueblo,CO Forecast Office, National Weather Service, NOAA, U.S. Department of Commerce

DOC/NOAA/NWS/SALT LAKE > Salt Lake City, UT Forecast Office, National Weather Service, NOAA, U.S. Department of Commerce

DOC/NOAA/NWS/SFO > San Francisco Bay Area, CA Forecast Office, National Weather Service, NOAA, U.S. Department of Commerce

DOC/NOAA/NWS/SRH > Southern Region Headquarters, National Weather Service, NOAA, U.S. Department of Commerce

DOC/NOAA/NWS/STL/NWAC > Northwest Weather and Avalanche Center, Seattle Forecast Office, National Weather Service, NOAA, U.S. Department of Commerce

DOC/NOAA/NWS/TLH > Tallahassee, FL Forecast Office, National Weather Service, NOAA, U.S. Department of Commerce

DOC/NOAA/OAR/AL > Aeronomy Laboratory, OAR, NOAA, U.S. Department of Commerce

DOC/NOAA/OAR/AOML > Atlantic Oceanographic and Meteorological Laboratory, OAR, NOAA, U.S. Department of Commerce

DOC/NOAA/OAR/AOML/HRD > Hurricane Research Division, Atlantic Oceanographic and Meteorological Laboratory, OAR, NOAA, U.S. Department of Commerce

DOC/NOAA/OAR/AOML/OCD/CHAMP > Coral Health and Monitoring Program, Ocean Chemistry Division, Atlantic Oceanographic and

Meteorological Laboratory, OAR, NOAA, U.S. Department of Commerce
DOC/NOAA/OAR/ARL > Air Resources Laboratory, OAR, NOAA, U.S. Department of Commerce
DOC/NOAA/OAR/ARL/ATDD > Atmospheric Turbulence and Diffusion Division, Air Resources Laboratory, OAR, NOAA, U.S. Department of Commerce
DOC/NOAA/OAR/ARL/SRRB > Surface Radiation Research Branch, Air Resources Laboratory, OAR, NOAA, U.S. Department of Commerce
DOC/NOAA/OAR/ARO > Arctic Research Office, OAR, NOAA, U.S. Department of Commerce
DOC/NOAA/OAR/CDC > Climate Diagnostics Center, OAR, NOAA, U.S. Department of Commerce
DOC/NOAA/OAR/ETL > Environmental Technology Laboratory, OAR, NOAA, U.S. Department of Commerce
DOC/NOAA/OAR/GLERL > Great Lakes Environmental Research Laboratory, OAR, NOAA, U.S. Department of Commerce
DOC/NOAA/OAR/MOC > Marine Operations Center, OAR, NOAA, U.S. Department of Commerce
DOC/NOAA/OAR/NSSL > National Severe Storms Laboratory, OAR, NOAA, U.S. Department of Commerce
DOC/NOAA/OAR/PMEL > Pacific Marine Environmental Laboratory, OAR, NOAA, U.S. Department of Commerce
DOC/NOAA/OAR/PMEL/EPIC > EPIC, Pacific Marine Environmental Laboratory, OAR, NOAA, U.S. Department of Commerce
DOC/NOAA/OAR/PMEL/TRP > Tsunami Research Program, Pacific Marine Environmental Laboratory, OAR, NOAA, U.S. Department of Commerce
DOC/NOAA/OAR/PMEL/VENTS > VENTS, Pacific Marine Environmental Laboratory, OAR, NOAA, U.S. Department of Commerce
DOC/NOAA/OOE > Office of Ocean Exploration, National Oceanic and Atmospheric Administration, U.S. Department of Commerce
DOC/NOAA/OPCA > Office of Public and Constituent Affairs, NOAA, U.S. Department of Commerce
DOC/NTIS > National Technical Information Service, U.S. Department of Commerce
DOC/NTIS/GRC > Government Research Center, National Technical Information Service, U. S. Department of Commerce
DOD > U.S. Department of Defense
DOD/DMSO > Defense Modeling and Simulation Office, U.S. Department of Defense
DOD/DTRA > Defense Threat Reduction Agency, U.S. Department of Defense
DOD/NGA > National Geospatial-Intelligence Agency, U. S. Department of Defense
DOD/NGA/GSD > Geospatial Sciences Division, National Geospatial-Intelligence Agency, U.S. Department of Defense
DOD/SMDC/CMR > Center for Monitoring Research , U. S. Army Space and Missile Defense Command, U. S. Department of Defense
DOD/USAF/AFCCC > Air Force Combat Climatology Center, U.S. Air Force, U.S. Department of Defense
DOD/USAF/AFRL/88WS > 88th Weather Squadron , U.S. Air Force Research Laboratory, U.S. Air Force, U. S. Department of Defense
DOD/USARMY/USACE/CHL > Coastal Engineering Research Center, Coastal and Hydraulics Laboratory, U. S. Army Corps of Engineers, U.S. Army, U. S. Department of Defense
DOD/USARMY/USACE/CHL/CERC > Coastal Engineering Research Center, Coastal and Hydraulics Laboratory, U. S. Army Corps of Engineers, U.S. Army, U. S. Department of Defense
DOD/USARMY/USACE/CHL/FRF > Field Research Facility, Coastal and Hydraulics Laboratory, U. S. Army Corps of Engineers, U.S. Army, U. S. Department of Defense
DOD/USARMY/USACE/ERDC-CERL > Engineer Research and Development Center - Construction Engineering Research Laboratory, U. S. Army Corps of Engineers, U.S. Army, U. S. Department of Defense
DOD/USARMY/USACE/GDCN > Geospatial Data Clearinghouse Node, U. S. Army Corps of Engineers, U.S. Army, U. S. Department of Defense
DOD/USARMY/USACE/SAD/MOBILE > Mobile District, South Atlantic Division, U.S. Army Corps of Engineers, U.S. Army, U.S. Department of Defense
DOD/USARMY/USACE/TEC > Topographic Engineering Center, U. S. Army Corps of Engineers, U.S. Army, U. S. Department of Defense
DOD/USARMY/USACE/TEC/TIO > TEC Imagery Office, Topographic Engineering Center, U. S. Army Corps of Engineers, U.S. Army, U. S. Department of Defense
DOD/USARMY/USACE/WES > Waterways Experiment Station, U. S. Army Corps of Engineers, U.S. Army, U. S. Department of Defense
DOD/USNAVY/FNMOC > Fleet Numerical Meteorology and Oceanography Center, U.S. Navy, U. S. Department of Defense
DOD/USNAVY/FNMOC/USGODAE > U.S. Global Ocean Data Assimilation Experiment, Fleet Numerical Meteorology and Oceanography Center, U.S. Navy, U.S. Department of Defense
DOD/USNAVY/NAVOCEANO > Naval Oceanographic Office, U.S. Navy, U. S. Department of Defense
DOD/USNAVY/NPS > Naval Postgraduate School, U.S. Navy, U.S. Department of Defense
DOD/USNAVY/NRL/MRY > Naval Research Laboratory, Monterey, U.S. Navy, U. S. Department of Defense
DOD/USNAVY/NRL/PPD > Plasma Physics Division, Naval Research Laboratory, U.S. Navy, U.S. Department of Defense
DOD/USNAVY/NRL/RSD > Remote Sensing Division, Naval Research Laboratory, U.S. Navy, U.S. Department of Defense
DOE > U.S. Department of Energy
DOE/ANL/MCSD > Mathematics and Computer Science Division, Argonne National Laboratory, U. S. Department of Energy
DOE/ARM > Atmospheric Radiation Measurement Project, U.S. Department of Energy
DOE/ARM/ARCHIVE > ARM Archive, Atmospheric Radiation Measurement Program, U. S. Department of Energy
DOE/ARM/DQO > Data Quality Office, Atmospheric Radiation Measurement Project, U. S. Department of Energy
DOE/BNL > Brookhaven National Laboratory, U. S. Department of Energy
DOE/BNL/FACE > Free Air CO2 Enrichment Group, Brookhaven National Laboratory, U. S. Department of Energy
DOE/EIA > Energy Information Administration, U. S. Department of Energy
DOE/LANL > LOS ALAMOS NATIONAL LABORATORY, DEPARTMENT OF ENERGY
DOE/LANL/COSIM > Climate, Ocean and Sea Ice Modeling Project, Los Alamos National Laboratory, U.S. Department of Energy
DOE/LANL/EPT > Energetic Particle Team, Los Alamos National Laboratory, U.S. Department of Energy
DOE/LLNL/ASD > Atmospheric Sciences Division, Lawrence Livermore National Laboratory, U. S. Department of Energy
DOE/LLNL/ERD > Environmental Restoration Division, Lawrence Livermore National Laboratory, U. S. Department of Energy
DOE/LLNL/ICC/SDD/IMG > Information Management & Graphics Group, Services and Development Division, Integrated Computing and Communications Department, Lawrence Livermore National Laboratory, U. S. Department of Energy
DOE/LLNL/PCMDI > Program for Climate Model Diagnosis and Intercomparison, Lawrence Livermore National Laboratory, U. S. Department of Energy

DOE/NREL/RREDC > Renewable Resource Data Center, National Renewable Energy Laboratory, U.S. Department of Energy
DOE/OCRWM/YMP > Yucca Mountain Project, Office of Civilian Radioactive Waste Management, U.S. Dept. of Energy
DOE/ORNL > Oak Ridge National Laboratory, U. S. Department of Energy
DOE/ORNL/ESD > Environmental Sciences Division, Oak Ridge National Laboratory, U. S. Department of Energy
DOE/ORNL/ESD/CDIAC > Carbon Dioxide Information Analysis Center, Environmental Sciences Division, Oak Ridge National Laboratory, U. S. Department of Energy
DOE/ORNL/GIST > Geographic Information Science and Technology, Oak Ridge National Laboratory, DOE
DOE/OSTI > Office of Science and Technology Information, U.S. Department OF Energy
DOED/VRD > Virtual Reference Desk, U.S. Department of Education
DOI > U.S. Department of the Interior
DOI/BLM/AFS > Alaska Fire Service, Bureau of Land Management, U.S. Department of the Interior
DOI/BLM/NILS > National Integrated Land System, Bureau of Land Management, U.S. Department of the Interior
DOI/BLM/NLCS > National Landscape Conservation System, Bureau of Land Management, U.S. Department of the Interior
DOI/BLM/OFA/NIFC > Natonal Interagency Fire Center, Office of Fire and Aviation. Bureau of Land Management, U.S. Department of the Interior
DOI/BLM/ORWA/GIS > GIS, Oregon/Washington, Bureau of Land Management, U.S. Departement of the Interior
DOI/MMS/GOMR > Gulf of Mexico Outer Continental Shelf Region, Minerals Management Service, U.S. Department of the Interior
DOI/MMS/POCS > Pacific OCS Region, Mineral Management Service, U. S. Department of the Interior
DOI/NPS/ARD > Air Resources Division, National Park Service, U.S. Department of the Interior
DOI/NPS/DNP > Denali National Preserve, National Park Service, U.S. Department of the Interior
DOI/NPS/GEOL/ED > Educational Resources, Geology Division, National Park Service, U.S. Department of the Interior
DOI/NPS/IM > Inventory and Monitoring Program, National Park Service, U.S. Department of the Interior
DOI/NPS/IMC > Interactive Mapping Center, National Park Service, U.S. Department of the Interior
DOI/NPS/NRMAP > National Resource and Management Program, National Park Service, U.S. Department of the Interior
DOI/NPS/PCA > Plant Conservation Alliance, National Park Service, U.S. Department of the Interior
DOI/NPS/RMNP > Rocky Mountain National Park Field Station, National Park Service, U.S. Department of the Interior
DOI/NPS/SKCNP > Sequoia and Kings Canyon National Park, National Park Service, U.S. Department of the Interior
DOI/NPS/YNP/SAC > Spatial Analysis Center, Yellowstone National Park, National Park Service, U.S. Department of the Interior
DOI/USFWS/AK/ITM/GIS > Geographic Information Systems, Information Technology Management, Alaska, U.S. Fish and Wildlife Service, U.S. Department of the Interior
DOI/USFWS/CFWO > Carlsbad, Fish and Wildlife Office, Fish and Wildlife Service, U.S. Department of the Interior
DOI/USFWS/MFRO > Maryland Fisheries Resource Office, U.S. Fish and Wildlife Service, U.S. Department of the Interior
DOI/USFWS/NER/CSDS > Cartography and Spatial Data Services, Northeast Region, U.S. Fish & Wildlife Service, U.S. Department of the Interior
DOI/USFWS/NWI > National Wetlands Inventory, U.S. Fish and Wildlife Service, U.S. Department of the Interior
DOI/USFWS/PR/ANWR/ALASKA > Arctic National Wildlife Refuge, Pacific Region, U.S. Fish and Wildlife Service, U.S. Department of the Interior
DOI/USFWS/PR/DRP > Division of Refuge Planning, Pacific Region, U.S. Fish and Wildlife Service, U.S. Department of the Interior
DOI/USGS/ASC/GEOG/AGDC > Alaska Geospatial Data Clearinghouse, Geography, AK Science Center, U.S. Geological Survey, U.S. Department of the Interior
DOI/USGS/BRD/ASC/BSO > Biological Science Office, Alaska Science Center, Biological Resources Division, U.S. Geological Survey, U.S. Department of the Interior
DOI/USGS/BRD/CBI > Center for Biological Informatics, Biological Resources Division, U.S. Geological Survey, U.S. Department of the Interior
DOI/USGS/BRD/CBI/NBII/SAIN > Southern Appalachian Information Node, National Biological Information Infrastructure, CBI, Biological Resources Division, USGS, U.S. Department of the Interior
DOI/USGS/BRD/CERC > Columbia Environmental Research Center, Biological Resources Division, U.S. Geological Survey, U.S. Department of the Interior
DOI/USGS/BRD/CERC/BRAZOS > Brazos Field Research Station, Columbia Environmental Research Center, Biological Resources Division, U.S. Geological Survey, U.S. Department of the Interior
DOI/USGS/BRD/CERC/INFOLINK > Missouri River InfoLINK Columbia Environmental Research Center, Biological Resources Division, U.S. Geological Survey, U.S. Department of the Interior
DOI/USGS/BRD/CERC/PUBS > Publications, Columbia Environmental Research Center, Biological Resources Division, U.S. Geological Survey, U.S. Department of the Interior
DOI/USGS/BRD/ER/SSP > Science Support Program, Eastern Region, Biological Resources Division, U.S. Geological Survey, U.S. Department of the Interior
DOI/USGS/BRD/FRESC > Forest Rangeland Ecosystem Science Center, Biological Resources Division, U.S. Geological Survey, U.S. Department of the Interior
DOI/USGS/BRD/FRESC/CRG > Corvallis Research Group, Forest and Rangeland Ecosystem Science Center, Biological Resources Division, U.S. Geological Survey, U.S. Department of the Interior
DOI/USGS/BRD/GAP > Gap Analysis Program, Biological Resources Division, U.S. Geological Survey, U.S. Department of the Interior
DOI/USGS/BRD/GLSC > Great Lakes Science Center, Biological Resources Division, U.S. Geological Survey, U.S. Department of the Interior
DOI/USGS/BRD/LSC > Leetown Science Center, Biological Resources Division, U.S. Geological Survey, U.S. Department of the Interior
DOI/USGS/BRD/LSC/NARL > Northern Appalachian Research Laboratory, Leetown Science Center, Biological Resources Division, USGS, U.S. Department of the Interior
DOI/USGS/BRD/NBII/SWIN > Southwest Information Node, National Biological Information Infrastructure, Biological Resources Division, USGS, U.S. Department of the Interior
DOI/USGS/BRD/NPWRC > Northern Prairie Wildlife Research Center, Biological Resources Division, U.S. Geological Survey, U.S. Department of the Interior
DOI/USGS/BRD/NWHC > National Wildlife Health Center, Biological Resources Division, USGS, U.S. Department of the Interior

DOI/USGS/BRD/NWHC/WNV > West Nile Virus, National Wildlife Health Center, Biological Resources Division, USGS, U.S. Department of the Interior
DOI/USGS/BRD/NWRC > National Wetlands Research Center, Biological Resources Division, USGS, U.S. Department of the Interior
DOI/USGS/BRD/NWRC/SDMS > Spatial Data and Metadata Server, National Wetlands Research Center, Biological Resources Division, USGS, U.S. Department of the Interior
DOI/USGS/BRD/PIERC > Pacific Island Ecosystems Research Center, Biological Resources Division, U.S. Geological Survey, U.S. Department of the Interior
DOI/USGS/BRD/PWRC > Patuxent Wildlife Research Center, Biological Resources Division, U.S. Geological Survey, U.S. Department of the Interior
DOI/USGS/BRD/PWRC/BBL > Bird Banding Laboratory, Patuxent Wildlife Research Center, Biological Resource Division, USGS, U.S. Department of the Interior
DOI/USGS/BRD/PWRC/BBS > Breeding Bird Survey, Patuxent Wildlife Research Center, Biological Resources Division, U.S. Geological Survey, U.S. Department of the Interior
DOI/USGS/BRD/PWRC/CWB > Colonial Waterbird, Patuxent Wildlife Research Center, Biological Resources Division, U.S. Geological Survey, U.S. Department of the Interior
DOI/USGS/BRD/PWRC/LIBRARY > Library Resources, Patuxent Wildlife Research Center, Biological Resources Division, U.S. Geological Survey, U.S. Department of the Interior
DOI/USGS/BRD/PWRC/MBR > Migratory Bird Research, Patuxent Wildlife Research Center, Biological Resources Division, U.S. Geological Survey, U.S. Department of the Interior
DOI/USGS/BRD/PWRC/MBR/BBS > Breeding Bird Survey, Migratory Bird Research, Patuxent Wildlife Research Center, Biological Research Division, USGS, U.S. Department of the Interior
DOI/USGS/BRD/PWRC/NAAMP > North American Amphibian Monitoring Program, Patuxent Wildlife Research Center, Biological Resources Division, USGS, U.S. Department of the Interior
DOI/USGS/BRD/PWRC/NABBS > North American Breeding Bird Survey, Patuxent Wildlife Research Center, Biological Resources Division, USGS, U.S. Department of the Interior
DOI/USGS/BRD/PWRC/WCO > Wildlife and Contaminants Online, Patuxent Wildlife Research Center, Biological Resources Division, U.S. Geological Survey, U.S. Department of the Interior
DOI/USGS/BRD/SBSC/CPFS > Colorado Plateau Field Station, Southwest Biological Science Center, Biological Resources Division, U.S. Geological Survey, U.S. Department of the Interior
DOI/USGS/BRD/SBSC/CPFS/SEPIC > Southwest Exotic Plant Information Clearinghouse, Colorado Plateau Field Station, SBSC, BRD, USGS, U.S. Department of the Interior
DOI/USGS/BRD/UMESE/DSS > Decision Support Systems, Upper Midwest Environmental Sciences Center, Biological Resources Division, U.S. Geological Survey, U.S. Department of the Interior
DOI/USGS/BRD/WERC > Western Ecological Research Center, USGS/BRD, U.S. Department of the Interior
DOI/USGS/BRD/WERC/SNGC > Sierra Nevada Global Change Research, Western Ecological Research Center, Biological Resources Division, USGS, U.S. Department of the Interior
DOI/USGS/BRD/WERC/YNP > Yosemite National Park Field Station, Western Ecological Research Center, Biological Resources Division, USGS, U.S. Department of the Interior
DOI/USGS/BRD/WRO/WFRC > Western Fisheries Research Center, Western Regional Office, Biological Resources Division, U.S. Geological Survey, U.S. Department of the Interior
DOI/USGS/CCG > Center for Coastal Geology, U.S. Geological Survey, U.S. Department of the Interior
DOI/USGS/CHESAPEAKE > Chesapeake Bay, U.S. Geological Survey, U.S. Department of the Interior
DOI/USGS/CMG > Coastal and Marine Geology, U.S. Geological Survey, U.S. Department of the Interior
DOI/USGS/CMG/CCWS > Center for Coastal & Watershed Studies, Coastal and Marine Geology, U.S. Geological Survey, U.S. Department of the Interior
DOI/USGS/CMG/WHSC > Woods Hole Science Center, Coastal and Marine Geology, U.S. Geological Survey, U.S. Department of the Interior
DOI/USGS/CMG/WHSC/GMIS > Gulf of Maine Information System, Woods Hole Science Center, Coastal and Marine Geology, U.S. Geological Survey, U.S. Department of the Interior
DOI/USGS/CMG/WHSC/MRIB > Marine Realms Information Bank, Woods Hole Science Center, Coastal and Marine Geology, USGS, U.S. Department of the Interior
DOI/USGS/CMG/WHSC/MS/GLORIA > GLORIA Mapping Program, Map Server, Woods Hole Science Center, Coastal and Marine Geology, U.S. Geological Survey, U.S. Department of the Interior
DOI/USGS/CMG/WRCMG > Western Region CMG, Coastal and Marine Geology, U.S. Geological Survey, U.S. Department of the Interior
DOI/USGS/CMG/WRCMG/IB > InfoBank, Western Region CMG, Coastal and Marine Geology, U.S. Geological Survey, U.S. Department of the Interior
DOI/USGS/CMG/WRCMG/MBMS > Monterey Bay National Marine Sanctuary, Western Region CMG, Coastal and Marine Geology, U.S. Geological Survey, U.S. Department of the Interior
DOI/USGS/CMG/WRCMG/NAMSS > National Archive of Marine Seismic Surveys, Western Region CMG, Coastal and Marine Geology, U.S. Geological Survey, U.S. Department of the Interior
DOI/USGS/CMG/WRCMG/SDLS > Antarctic Seismic Data Library System, Western Region CMG, Coastal and Marine Geology, USGS, U.S. Department of the Interior
DOI/USGS/ED > Education Department, U.S. Geological Survey, U.S. Department of the Interior
DOI/USGS/ENERGY/CR/CET/NPRA > National Petroleum Reserve, Alaska, Central Energy Team, Central Region, Energy Team, U. S. Geological Survey, U.S. Department of the Interior
DOI/USGS/ENERGY/CR/CET > Central Energy Team, Central Region, Energy Team, U.S. Geological Survey, U.S. Department of the Interior
DOI/USGS/ENERGY/ER/COAL > Coal, Eastern Region, Energy Team, U.S. Geological Survey, U.S. Department of the Interior
DOI/USGS/EROS > Center for Earth Resources Observation and Science, U.S. Geological Survey, U.S. Department of the Interior
DOI/USGS/EROS/GISDATA > GISDATA Map Studio, Earth Resources Observation Systems Data Center, U.S. Geological Survey, U.S. Department of the Interior

DOI/USGS/FICS/CARS/NAS > Nonindigenous Aquatic Species, Center for Aquatic Resource Studies, Florida Integrated Science Center, USGS, U.S. Department of the Interior

DOI/USGS/FISC/CARS > Center for Aquatic Resource Studies, Florida Integrated Science Center, U.S. Geological Survey, U.S. Department of the Interior

DOI/USGS/GD/ARP > Astrogeology Research Program, Geology Division, U.S. Geological Survey, U.S. Department of the Interior

DOI/USGS/GD/ARP/ISIS > Integrated Software for Imagers and Spectrometers, Astrogeology Research Program, Geology Division, U.S. Geological Survey, U.S. Department of the Interior

DOI/USGS/GD/ARP/PIGWAD > Planetary Interactive G.I.S.-on-the-Web Analyzable Database, Astrogeology Research Program, Geology Division, U.S. Geological Survey, U.S. Department of the Interior

DOI/USGS/GD/CR/BRR > Branch of Regional Research, Central Region, Geology Division, U.S. Geological Survey, U.S. Department of the Interior

DOI/USGS/GD/CR/CRC > Core Research Center, Central Region, Geology Division, U.S. Geological Survey, U.S. Department of the Interior

DOI/USGS/GD/CR/ESP > EARTH SURFACE PROCESSES TEAM, CENTRAL REGION, GEOLOGY DIVISION, U.S. GEOLOGICAL SURVEY, U.S. DEPARTMENT OF THE INTERIOR

DOI/USGS/GD/CR/GHT > Geologic Hazards Team, Central Region, Geology Division, USGS, U.S. Department of the Interior

DOI/USGS/GD/CR/SL > Spectroscopy Lab, Central Region, Geology Division, USGS, U.S. Department of the Interior

DOI/USGS/GD/EHP > Earthquake Hazards Program, Geological Division, U.S. Geological Survey, U.S. Department of the Interior

DOI/USGS/GD/EHP/ANSS > Advanced National Seismic System, Earthquake Hazards Program, Geological Division, U.S. Geological Survey, U.S. Department of the Interior

DOI/USGS/GD/EHP/ERP > External Research Programs, Earthquake Hazards Program, Geological Division, U.S. Geological Survey, U.S. Department of the Interior

DOI/USGS/GD/EHP/H&P > Hazards & Preparedness, Earthquake Hazards Program, Geological Division, U.S. Geological Survey, U.S. Department of the Interior

DOI/USGS/GD/EHP/N-CA > Northern California, Earthquake Hazards Program, Geological Division, U.S. Geological Survey, U.S. Department of the Interior

DOI/USGS/GD/EHP/NEIC > National Earthquake Information Center, Earthquake Hazards Program, Geological Division, U.S. Geological Survey, U.S. Department of the Interior

DOI/USGS/GD/EHP/S-CA > Southern California, Earthquake Hazards Program, Geological Division, U.S. Geological Survey, U.S. Department of the Interior

DOI/USGS/GD/FM > Formal Metadata, Geology Division, U.S. Geological Survey, U.S. Department of the Interior

DOI/USGS/GD/GCRP > Global Change Research Program, Eastern Region, Geology Division, U.S. Geological Survey, U.S. Department of the Interior

DOI/USGS/GD/GCRP/PUBS > Publications and Data, Global Change Research Program, Eastern Region, Geology Division, U.S. Geological Survey, U.S. Department of the Interior

DOI/USGS/GD/LHP/NLIC > National Landslide Information Center, Landslides Hazards Program, Geological Division, U.S. Geological Survey, U.S. Department of the Interior

DOI/USGS/GD/MENLO PARK > USGS, Geology Division, Menlo Park, CA, U.S. Department of the Interior

DOI/USGS/GD/MRP > Mineral Resource Program, Geology Division, U.S. Geological Survey, U.S. Department of the Interior

DOI/USGS/GD/MRP/SP > Spatial Data, Mineral Resource Program, Geology Division, U.S. Geological Survey, U.S. Department of the Interior

DOI/USGS/GD/MT > Metadata Tools, Geology Division, U.S. Geological Survey, U.S. Department of the Interior

DOI/USGS/GD/NGMDB > National Geologic Map Database, Geological Division, U.S. Geological Survey, U.S. Department of the Interior

DOI/USGS/GD/NGP > National Geomagnetism Program, Geological Division, U.S. Geological Survey, U.S. Department of the Interior

DOI/USGS/GD/PUBS/CR > Central Region, Publications, Geology Division, U.S. Geological Survey, U.S. Department of the Interior

DOI/USGS/GD/PUBS/WR/GEOPUBS > Publications-Western Region, Geological Division, U.S. Geological Survey, U.S. Department of the Interior

DOI/USGS/GD/VHP > Volcano Hazards Program, Geological Division, U.S. Geological Survey, U.S. Department of the Interior

DOI/USGS/GD/VHP/CVO > Cascades Volcano Observatory, Volcano Hazards Program, Geological Division, U.S. Geological Survey, U.S. Department of the Interior

DOI/USGS/GD/WMR > Western Mineral Resources, Geologic Division, U.S. Geological Survey, U.S. Department of the Interior

DOI/USGS/GD/WMR/AK > Western Mineral Resources - Alaska, Geologic Division, U.S. Geological Survey, U.S. Department of the Interior

DOI/USGS/GD/WMR/WRDIA > Western Region Databases and Information Analysis, Western Mineral Resources, Geologic Division, U.S. Geological Survey, U.S. Department of the Interior

DOI/USGS/GD/WR/ESP > Earth Surface Processes, Western Region, Geology Division, USGS, U. S. Department of the Interior

DOI/USGS/GEOG/CAS > Cartographic Applications Software, Geography Division, U.S. Geological Survey, U.S. Department of the Interior

DOI/USGS/GEOG/GAM > Geographic Analysis and Monitoring System, Geography Division, U.S. Geological Survey, U.S. Department of the Interior

DOI/USGS/GEOG/GNIS > Geographic Names Information System, Geography Division, U.S. Geological Survey, U.S. Department of the Interior

DOI/USGS/GEOG/MCMC > Mid-Continent Mapping Center, Geography Division, U.S. Geological Survey, U.S. Department of the Interior

DOI/USGS/GEOG/MCMC/NHD > National Hydrography Dataset, Spatial Data Transfer Standard Info Ste, Mid-Continent Mapping Center, Geography Division, U.S. Geological Survey, U.S. Department of the Interior

DOI/USGS/GEOG/MCMC/SDTS > Spatial Data Transfer Standard Info Ste, Mid-Continent Mapping Center, Geography Division, U.S. Geological Survey, U.S. Department of the Interior

DOI/USGS/GEOG/MCMC/TOPO > Topographic Maps, Mid-Continent Mapping Center, Geography Division, U.S. Geological Survey, U.S. Department of the Interior

DOI/USGS/GEOG/NSDI/GEOSCI > Geoscience Data Catalog, National Spatial Data Infrastructure, U.S. Geological Survey, Geography Division, U.S. Department of the Interior

DOI/USGS/GEOG/PUBS/FS > Fact Sheets, Publications, Geography Division, U.S. Geological Survey, U.S. Department of the Interior

DOI/USGS/GEOG/RMMC > Rocky Mountain Mapping Center, Geography Division, U.S. Geological Survey, U.S. Department of the Interior

DOI/USGS/GEOG/WRG > Western Region Geography, Geography Division, U.S. Geological Survey, U.S. Department of the Interior

DOI/USGS/GEOG/WRG/MOJAVE > Mojave Desert, Western Region Geography, Geography Division, U.S. Geological Survey, U.S. Department of the Interior

Interior

DOI/USGS/NATIONAL ATLAS > National Atlas, U.S. Geological Survey, U.S. Department of the Interior
DOI/USGS/NGPO > National Geospatial Programs Office, U.S. Geological Survey, U.S. Department of the Interior
DOI/USGS/NRMSC > Northern Rocky Mountain Science Center, U.S. Geological Survey, U.S. Department of the Interior
DOI/USGS/NRMSC/GNPF > Glacier National Park Field Station, Northern Rocky Mountain Science Center, U.S. Geological Survey, U.S. Department of the Interior
DOI/USGS/PHOTO-LIB/ES > Earth Science, Photo Library, U.S. Geological Survey, U.S. Department of the Interior
DOI/USGS/PUBS/ER/PW/DDS > Digital Data Series, Publications Warehouse, Eastern Region, Publications, U.S. Geological Survey, U.S. Department of the Interior
DOI/USGS/PUBS/ER/PW/FS > Fact Sheets, Publications Warehouse, Eastern Region, Publications, U.S. Geological Survey, U.S. Department of the Interior
DOI/USGS/PUBS/ER/PW/MAPS/I-MAPS > Geologic Investigations Series, Maps, Publications Warehouse, Eastern Region, Publications, U.S. Geological Survey, U.S. Department of the Interior
DOI/USGS/PUBS/ER/PW/OFS > Open File Services Section, Publications Warehouse, Eastern Region, Publications, U.S. Geological Survey, U.S. Department of the Interior
DOI/USGS/PUBS/ER/PW/PP > Professional Papers, Publications Warehouse, Eastern Region, Publications, U.S. Geological Survey, U.S. Department of the Interior
DOI/USGS/PUBS/PW > Publications Warehouse, Publications, U.S. Geological Survey, U.S. Department of the Interior
DOI/USGS/USARC > United States Antarctic Resource Center, U.S. Geological Survey, U.S. Department of the Interior
DOI/USGS/WNVM > West Nile Virus Maps, U.S. Geological Survey, U.S. Department of the Interior
DOI/USGS/WRD/CAPP > Cartography and Publishing Program, Water Resources Division, U.S. Geological Survey, U.S. Department of the Interior
DOI/USGS/WRD/GA/CR > Chattahoochee River, Water Resources Division, Georgia, U.S. Geological Survey, U.S. Department of the Interior
DOI/USGS/WRD/GA/ED > Education, Water Resources Division, Georgia, U.S. Geological Survey, U.S. Department of the Interior
DOI/USGS/WRD/GIS > Water Resources Maps and GIS Information, Water Resources Division, U.S. Geological Survey, U.S. Department of the Interior
DOI/USGS/WRD/NAWQA > National Water Quality Assessment Program, Water Resources Discipline, U.S. Geological Survey, U.S. Department of the Interior
DOI/USGS/WRD/NAWQA/ACF > Apalachicola-Chattahoochee-Flint, National Water Quality Assessment Program, Water Resources Discipline, U.S. Geological Survey, U.S. Department of the Interior
DOI/USGS/WRD/NAWQA/POTOMAC > Potomac River, National Water Quality Assessment Program, Water Resources Discipline, U.S. Geological Survey, U.S. Department of the Interior
DOI/USGS/WRD/NAWQA/TRACE > National Analysis of Trace Elements, National Water Quality Assessment Program, Water Resources Discipline, U.S. Geological Survey, U.S. Department of the Interior
DOI/USGS/WRD/NJ > Water Resources Division, New Jersey, U.S. Geological Survey, U.S. Department of the Interior
DOI/USGS/WRD/NWIS > National Water Information System, Water Resources Division, U.S. Geological Survey, U.S. Department of the Interior
DOI/USGS/WRD/OGW > Office of Ground Water, Water Resource Division, USGS, U.S. Department of the Interior
DOI/USGS/WRD/OR > Water Resource Division, Oregon, U.S. Geological Survey, U.S. Department of the Interior
DOI/USGS/WRD/OSW > Office of Surface Water, Water Resource Division, USGS, U.S. Department of the Interior
DOI/USGS/WRD/PUB/OFR > Open-File Reports, Publications, Water Resources Division, U.S. Geological Survey, U.S. Department of the Interior
DOI/USGS/WRD/SW/GW > Ground Water, Software, Water Resources Division, U.S. Geological Survey, U.S. Department of the Interior
DOI/USGS/WRD/TN > Water Resources Division, Tennessee, U.S. Geological Survey, U.S. Department of the Interior
DOI/USGS/WRD/VA > Water Resources Division, Virginia, U.S. Geological Survey, U.S. Department of the Interior
DOS > U.S. Department of State
DOS/USAID/CARPE > Central African Regional Program for the Environment, United States Agency for International Development, U.S. Department of State
DOT > U.S. Department of Transportation
DOT/BTS > Bureau of Transportation Statistics, U.S. Department of Transportation
DOT/FAA/NAO > National Aeronautical Charting Office, Federal Aviation Agency, U.S. Department of Transportation
DRI/DEES > Division of Earth and Ecosystem Sciences, Desert Research Institute
DRI/DHS > Division of Hydrologic Sciences, Desert Research Institute
DRSC > Dekker Remote Sensing Corporation
DTI-UK/SEP/WAVEGEN > Wavegen, Sustainable Energy Programme, Department of Transportation and Industry, United Kingdom
DU/GPR > Great Plains Region, Ducks Unlimited, Inc.
DU/SR > Southern Region, Ducks Unlimited, Inc.
DUKE/BIO > Department of Biology, Duke University
DUKE/NICOLAS > Nicholas School of the Environment and Earth Sciences, Duke University
DWM > Deane Merrill
DWP > Disney Wilderness Preserve
E-INFO > Earth-Info
EADS/ISTAR > Imagerie STereo Appliquee au Relief, EADS
EAN-I > Earth Action Network, Inc.
EARTHSAT > Earth Satellite Corporation
EASTOIL > EasternOil Services, Inc.
EASY > EASY Software
EBV > EUROSENSE B.V.
EC/NAVY/INOCAR > Instituto Oceanografico de la Armada, Department of the Navy, Ecuador

ECMWF > European Centre for Medium-Range Weather Forecasts
ECO/INFO > Inforain, Ecotrust
EDF > Environmental Defense Fund
EE/EADC > Estonian Antarctic Data Centre, Estonia
EEA > European Environment Agency
EEA/DISMED > Desertification Information System for the Mediterranean, European Environment Agency
EEA/EPER > European Pollutant Emission Register, European Environment Agency
EEA/ETCACC > European Topic Centre on Air and Climate Change, European Environment Agency
EEA/ETCW > European Topic Centre on Water, European Environment Agency
EEA/NATURE > European Topic Centre on Nature Protection and Biodiversity, European Environment Agency
EEN > Emergency Email Network, Inc.
EERI/CLEARINGHOUSE > Virtual Clearinghouse Database, Earthquake Engineering Research Institute
EFI > European Forest Institute
EIDETIC > Eidetic Digital Imaging Ltd.
EII > EarthInfo Inc.
EKC > Eastman Kodak Company
ELSEVIER > Elsevier Science Inc.
EM > ERA Maptec, Ltd
EMAG > E/The Environmental Magazine
EMBL > European Molecular Biology Laboratory
EMBRAPA > Empresa Brasileira de Pesquisa Agropecuaria, Brazilian Agricultural Research Corporation
EMS-I > Environmental Modeling Systems, Inc.
ENES/PRISM > Programme for Integrated Earth System ModellingEuropean Network for Earth System Modelling
EP > EcoPort
EPA > U.S. Environmental Protection Agency
EPA/AMD > Atmospheric Modeling Division, U.S. Environmental Protection Agency
EPA/CAMD > Clean Air Markets Division, U.S. Environmental Protection Agency
EPA/CE/PR/DS/AIR/AFS > Air Facility System, Air, Data Systems, Planning and Results, Compliance and Enforcement, U.S. Environmental Protection Agency
EPA/CEPPO > Chemical Emergency Preparedness and Prevention Office, U.S. Environmental Protection Agency
EPA/EDW > Envirofacts Data Warehouse, U.S. Environmental Protection Agency
EPA/EEC > Environmental Explorer's Club, U.S. Environmental Protection Agency
EPA/EMAP > Environmental Monitoring and Assessment Program, U.S. Environmental Protection Agency
EPA/ERD/CEAM > Center for Exposure Assessment Modeling, Ecosystems Research Division, U.S. Environmental Protection Agency
EPA/ERD/WWQTSC > Watershed and Water Quality Modeling Technical Support Center, Ecosystems Research Division, U.S. Environmental Protection Agency
EPA/GEOSS > Global Earth Observation System of Systems, U.S. Environmental Protection Agency
EPA/GLNPO > Great Lakes National Program Office, U.S. Environmental Protection Agency
EPA/GMPO > Gulf of Mexico Program Office, U.S. Environmental Protection Agency
EPA/MAIA > Mid-Atlantic Integrated Assessment, U.S. Environmental Protection Agency
EPA/NE/LISO > Long Island Sound Office, New England, U.S. Environmental Protection Agency
EPA/NERL/ERD > Ecosystems Research Division, National Exposure Research Laboratory, U.S. Environmental Protection Agency
EPA/NRMRL/GWERM/CSMOS > Subsurface Modeling Support, Groundwater and Ecosystems Restoration Division, Risk Management, U.S. Environmental Protection Agency
EPA/OAQPS > Office of Air Quality Planning and Standards, U.S. Environmental Protection Agency
EPA/OAR > Office of Air and Radiation, U.S. Environmental Protection Agency
EPA/OAR/IED > Indoor Environments Division, Office of Air and Radiation, U.S. Environmental Protection Agency
EPA/OPEI > Office of Policy, Economics, and Innovation, U.S. Environmental Protection Agency
EPA/OPP > Office of Pesticide Programs, U.S. Environmental Protection Agency
EPA/OPPT > Office of Pollution Prevention and Toxics, U.S. Environmental Protection Agency
EPA/OPPT/EATM > Exposure Assessment Tools and Models, Office of Pollution Prevention and Toxics, U.S. Environmental Protection Agency
EPA/ORD > Office of Research and Development, U.S. Environmental Protection Agency
EPA/ORD/NCEA > National Center for Environmental Assessment, Office of Research and Development, U.S. Environmental Protection Agency
EPA/ORD/NERL > National Exposure Research Laboratory, Office of Research and Development, U.S. Environmental Protection Agency
EPA/ORD/NERL/CREM > Council for Regulatory Environmental Modeling, National Exposure Research Laboratory, Office of Research and Development, U.S. Environmental Protection Agency
EPA/ORD/NERL/ESD > Environmental Sciences Division, National Exposure Research Laboratory, Office of Research and Development, U.S. Environmental Protection Agency
EPA/ORD/NERL/HEDS > Human Exposure Database System, National Exposure Research Laboratory, Office of Research and Development, U.S. Environmental Protection Agency
EPA/ORD/NERL/UV-N > UV-Net, National Exposure Research Laboratory, Office of Research and Development, U.S. Environmental Protection Agency
EPA/ORD/NHEERL > National Health and Environmental Effects Research Laboratory, Office of Research and Development, U.S. Environmental Protection Agency
EPA/ORD/NHEERL/WED > Western Ecology Division, National Health and Environmental Effects Research Laboratory, U.S. Environmental Protection Agency

EPA/ORP > Office of Radiation Programs, U.S. Environmental Protection Agency
EPA/ORSEARTH > U.S. Mexico Environmental Health, U.S. Environmental Protection Agency
EPA/OSWER > Office of Solid Waste and Emergency Response, U.S. Environmental Protection Agency
EPA/OTAQ > Office of Transportation and Air Quality, U.S. Environmental Protection Agency
EPA/OW > Office of Water, U.S. Environmental Protection Agency
EPA/OW/OGWDW > Office of Ground Water and Drinking Water, Office of Water, U.S. Environmental Protection Agency
EPA/OW/OWOW > Wetlands, Oceans, and Watersheds, Office of Water, U.S. Environmental Protection Agency
EPA/OW/OWOW/MAWQ > Monitoring and Assessing Water Quality, Wetlands, Oceans, and Watersheds, Office of Water, U.S. Environmental Protection Agency
EPA/OW/WOW/OCE/NEP > National Estuary Program, Oceans/Coasts/Estuaries, Wetlands/Oceans/Watersheds, Office of Water, U.S. Environmental Protection Agency
EPA/OW/WS/FISH > Fish Advisories, Water Science, Office of Water, U.S. Environmental Protection Agency
EPA/OW/WS/WQT > Water Quality Tools, Water Science, Office of Water, U.S. Environmental Protection Agency
EPA/OW/WS/WQT/WQM > Models, Water Quality Tools, Water Science, Office of Water, U.S. Environmental Protection Agency
EPA/PNW > Pacific Northwest, U.S. Environmental Protection Agency
EPA/SUPERFUND > Superfund, U.S. Environmental Protection Agency
EPA/TRI > Toxics Release Inventory, U.S. Environmental Protection Agency
EPA/TTN/AMTIC > Ambient Monitoring Technology Information Center, Technology Transfer Network, U.S. Environmental Protection Agency
EPA/TTN/EFIG > Emission Factor and Inventory Group, Technology Transfer Network, U.S. Environmental Protection Agency
EPA/TTN/SCRAM > Support Center for Regulatory Air Models, Technology Transfer Network, U.S. Environmental Protection Agency
EPA/WED > Western Ecology Division, U.S. Environmental Protection Agency
EPRI > Electric Power Research Institute
ER > EarthRef
ERA MAPTEC LTD
ERIDAN-1 > Eridan-1 Ltd.
ERIM/SST > Sustainment Sciences and Technologies, Environmental Research Institute of Michigan
ERIN > Environmental Consulting Specialists
ES > EarthScope
ES/CPE/CNDA > Centro Nacional de Datos Antarticos, National Antarctic Data Centre, Comité Polar Español, Spain
ES/CSIC/ICM > Institut de Ciències del Mar, Consejo Superior de Investigaciones Científicas, España
ES/CSIC/MNCN > Museo Nacional de Ciencias Naturales, Consejo Superior de Investigaciones Científicas, España
ES/CSIC/MNCN/DBB > Departamento de Biodiversidad y Biología Evolutiva, Museo Nacional de Ciencias Naturales, Consejo Superior de Investigaciones Científicas, España
ES/CSIC/RJB > Royal Jardín Botánico, Consejo Superior de Investigaciones Científicas, España
ES/CSIC/UTM > Unidad de Tecnología Marina, Consejo Superior de Investigaciones Científicas, España
ES/IGN/CNIG > Centro Nacional de Información Geográfica, Instituto Geográfico Nacional, Spain
ES/MDE/SGE > Servicio Geográfico del Ejército, Ministerio de Defensa, Spain
ESA/CSDS > Cluster Science Data System, European Space Agency
ESA/ESOC > European Space Operations Centre, European Space Agency
ESA/ESRIN > ESRIN Earth Observation, European Space Agency
ESA/ESRIN/ODISSEO > Open Distributed Information Services for Earth Observation, ESRIN Earth Observation, European Space Agency
ESA/UDS > Ulysses Data System, European Space Agency
ESRI > Environmental Systems Research Institute, Inc.
ESRI-CANADA > Environmental Systems Research Institute, Inc. - Canada
ESRI-SWEDEN > Environmental Systems Research Institute, Inc. - Sweden
ESRI-THAILAND > Environmental Systems Research Institute, Thailand Co., LTD
ESS > Ecological Software Solutions
ESSEA > Earth System Science Education Alliance
ESTI > Envision Sustainability Tools Inc.
ET > Europa Technologies, Ltd
ETH-Z/WRMC/BSRN > Baseline Surface Radiation Network, World Radiation Monitoring Center, Swiss Federal Institute of Technology Zurich
ETI > Expert Center for Taxonomic Identification
ETIISL > ETI Information Services Ltd.
EU/FAUNAEUR > Fauna Europaea, European Union
EU/JRC/IES/EUSOILS > Soil and Waste Management Unit, Institute for Environment and Sustainability, Joint Research Center, European Union
EU/JRC/IES/GVM > Global Vegetation Monitoring Unit, Institute for Environment and Sustainability, Joint Research Center, European Union
EU/JRC/IES/LMU/INFOREST > Inforest, Land Management Unit, Institute for Environment and Sustainability, Joint Research Center, European Union
EU/JRC/INSPIRE > Infrastructure for Spatial Information in Europe, Joint Research Center, European Union
EU/JRC/REU > Renewable Energies Unit, Joint Research Center, European Union
EU/JRC/SAI > Space Applications Institute, Joint Research Center, European Union
EU/SEANET > SeaNet, European Union
EUMETSAT > European Meteorological Satellite Organisation
EURIMAGE > Eurimage S.p.A.
EVERGREEN/ALAS > Arthropods of La Selva Data Archive, Evergreen State College
EVERGREEN/MCFP > Monteverde Cloud Forest Preserve Archive, Evergreen State College
EWG > Environmental Working Group

EXP > Exploratorium
FAU/IFG > Institut fuer Geologie, Freidrich Alexander University
FB > Fourmilab
FEWS-NET > Famine Early Warning Systems Network
FFA > Pacific Islands Forum Fisheries Agency
FI/FEI > Finnish Environment Institute, Finland
FI/FGI > Finnish Geodetic Institute, Finland
FI/FMI > Finnish Meteorological Institute, Finland
FI/MTC/FIMR > Finnish Institute of Marine Research, Ministry of Transport and Communications, Finland
FI/VTIT/RSG > Remote SensingGroup, VTT Information Technolgy, Finland
FIU/CS/HPDRC/TF > TerraFly, High Performance Database Research Center, School of Computer Science, Florida International University
FL/DOT > Department of Transportation, Florida
FL/FWC/FMRI > Florida Marine Research Institute, Fish & Wildlife Conservation Commission, Florida
FL/HCOEM > Office of Emergency Management, Hillsborough County, Florida
FL/SC/PW > Public Works, Seminole County, Florida
FLHS/GEOSCI > GeoScience Department, Fox Lane High School
FLUXNET/FLUXNET-CA > Fluxnet-Canada
FORREX > Forest Research Extension Partnership
FPS > Fire Program Solutions, L.L.C.
FR/CETE > Centre d'Etudes Techniques de l'Equipement, France
FR/CNES > Centre National d'Etudes Spatiales, France
FR/IFREMER/CERSAT > Centre ERS d'Archivage et de Traitement, French Research Institute for Exploitation of the Sea, France
FR/IFREMER/CORIOLIS > CORIOLIS Data Service, French Research Institute for Exploitation of the Sea, France
FR/IFREMER/LEH > Laboratoire Ecologie halieutique, French Research Institute for Exploitation of the Sea, France
FR/IFREMER/SISMER > Scientific Information Systems for the Sea, French Research Institute for Exploitation of the Sea, France
FR/IFREMER/SISMER/GSDC > Global Subsurface Data Centre, Scientific Information Systems for the Sea, French Research Institute for Exploitation of the Sea, France
FR/IGNE > IGN ESPACE, France
FR/MERCATOR > MERCATOR OCEAN-Operational Oceanography, France
FR/MNHN > Museum National d'Histoire Naturelle, France
FREIBURG/IPG > Institut fur Physische Geographie, Universitat Freiburg
FRG > Fox River Group
FSU/ARF > Antarctic Research Facility, Department of Geosciences, Florida State University
FSU/COAPS > Center for Ocean-Atmospheric Prediction Studies, Florida State University
FSU/COAPS/COARE-MET > Surface Meteorology Data Center, Center for Ocean-Atmospheric Prediction Studies, Florida State University
FSU/COAPS/RVSMDC > Research Vessel Surface Meteorology Data Center, Center for Ocean-Atmospheric Prediction Studies, Florida State University
FSU/COAPSL > Center for Ocean-Atmospheric Prediction Studies Library, Florida State University
FSU/METEO > Meteorology Department, Florida State University
FU-BERLIN/METEO > Meteorological Institute, Freie Universitat Berlin
FU-BERLIN/METEO/SG > Stratospheric Research Group, Meteorological Institute, Freie Universitat Berlin
GA/UGA/CLIM > Office of the State Climatologist, University of Georgia, Georgia
GATECH/GTRI > Georgia Tech Research Institute, Georgia Institute of Technology
GB/AFSNI/AESD > Agricultural and Environmental Science Division, Agriculture and Food Science for Northern Ireland, United Kingdom
GB/BBSRC/UKCROPNET > UK CropNet, Biotechnology and Biological Sciences Research Council, United Kingdom
GB/CCLRC/RAL > Rutherford Appleton Laboratory, Council for the Central Laboratory of the Research Councils, United Kingdom
GB/DARDNI > Department of Agriculture and Rural Development for Northern Ireland, United Kingdom
GB/DTI > Department of Trade and Industry, UNITED KINGDOM
GB/IACMST/EA/NCEMS > National Centre for Environmental Monitoring and Surveillance, Environment Agency, Inter-Agency Committee on Marine Science and Technology, United Kingdom
GB/MOD/DSTL > Defence Science and Technology Laboratory, Ministry of Defence, United Kingdom
GB/MOD/MET > Met Office, Ministry of Defence, United Kingdom
GB/MOD/MET/HADLEY > Hadley Centre for Climate Prediction and Research, Met Office, Ministry of Defence, United Kingdom
GB/NCAS/BADC > British Atmospheric Data Centre, NERC Centres for Atmospheric Science, United Kingdom
GB/NERC/BAS > British Antarctic Survey, Natural Environment Research Council, United Kingdom
GB/NERC/BAS/AEDC > Antarctic Environmental Data Centre, British Antarctic Survey, Natural Environment Research Council, United Kingdom
GB/NERC/BGS > British Geological Survey, Natural Environment Research Council, United Kingdom
GB/NERC/BODC > British Oceanographic Data Centre, Natural Environment Research Council, United Kingdom
GB/NERC/CEH-MW > Center for Ecology and Hydrology, Monks Wood, Natural Environment Research Council, UK
GB/NERC/CEH-W > Center for Ecology and Hydrology, Wallingford, Natural Environment Research Council, UK
GB/NERC/DSRS > Dundee Satellite Receiving Station, National Environment Research Council, United Kingdom
GB/NERC/MP > Marine Productivity, Natural Environment Research Council, United Kingdom
GB/NERC/NEODC > NERC Earth Observation Data Centre, Natural Environment Research Council, United Kingdom
GB/NERC/PML > Plymouth Marine Laboratory, Natural Environment Research Council, United Kingdom
GB/NERC/PML/RSDAS > Remote Sensing Data Analysis Service, Plymouth Marine Laboratory, National Environment Research Council, United Kingdom

GB/NERC/POL > Proudman Oceanographic Laboratory, Natural Environment Research Council, United Kingdom
GB/NERC/POL/PSMSL > Permanent Service for Mean Sea Level, Proudman Oceanographic Laboratory, Natural Environment Research Council, United Kingdom
GB/NHM/ENTO > Department of Entomology, Natural History Museum, United Kingdom
GB/NHM/PAL > Department of Palaeontology, Natural History Museum, United Kingdom
GB/NMA/OS > Ordnance Survey, National Mapping Agency, United Kingdom
GB/NRDB > Natural Resources Database, United Kingdom
GB/SEERAD/FRS > Fisheries Research Services, Scottish Executive Environment and Rural Affairs Department, United Kingdom
GBIF > Global Biodiversity Information Facility
GCI > Global Commons Institute
GDT > Geographic Data Technology
GE-GP > GeoExplorer - Geography Portal
GEO > Group on Earth Observations
GEOANAL > GeoAnalytic Inc.
GEODYSSEY > Geodyssey Limited
GEOKEM > GeoKem
GEOLYTICS > GeoLytics, Inc.
GEOMAR/ODSN > Ocean Drilling Stratigraphic Network, GEOMAR
GEON > GEOsciences Network
GEOTERREX > GEOTERREX, A Division of CGG Canada Ltd.
GEOWARE > Geoware Online
GETECH > Geophysical Exploration Technology
GGSD > Geotechnical and Geoenvironmental Software Directory
GHENT/BIO/MARINE > Marine Biology Section, Department of Biology, Ghent University
GISIG > Geographic Information Systems International Group
GIT/EAS > School of Earth and Atmospheric Sciences, Georgia Institute of Technology
GLOBE > Global Learning and Observations to Benefit the Environment
GLOBEC/IBSS/NASU > GLOBEC-Ukraine, Institute of Biology of the Southern Seas, National Academy of Sciences of Ukraine
GLOBEC/ICES/MDC > Marine Data Centre, International Council for the Exploration of the Sea
GLOBEC/US_GLOBEC > U.S. Global Ocean Ecosystems Dynamics Program
GMU/CEOSR > Center for Earth Observing and Space Research, George Mason University
GMU/CEOSR/SIESIP > Seasonal-Interannual ESIP, CEOSR, George Mason University
GMU/GPCP/PSPDC > Polar Satellite Precipitation Data Center, Global Precipitation Climatology Project, George Mason University
GMU/PHYS-ASTR > Department of Physics and Astronomy, George Mason University
GMU/SCS/LAITS > Laboratory of Advanced Information and Technology Standards, School of Computational Science, George Mason University
GOMOOS > Gulf of Maine Ocean Observing System
GR/NCMR/HNODC > Hellenic National Oceanographic Data Centre, National Centre For Marine Research, Greece
GRAMENE > Gramene
GRI > Getty Research Institute
GSA > Geological Society of America
GSA/ED > Education Department, Geological Society of America
GW > GenaWare Inc.
HARVARD-SI/CFA > Center for Astrophysics, Harvard-Smithsonian
HARVARD-SI/CFA/ADS > NASA Astrophysics Data System, Center For Astrophysics, Harvard-Smithsonian
HARVARD/CPRSS > Center for Basic Research in the Social Sciences, Harvard University
HARVARD/DOS > Department of Seismology, Harvard University
HARVARD/HMS/CHGE > Center for Health and the Global Environment, Harvard Medical School, Harvard University
HARVARD/HUL > Harvard University Library, Harvard University
HARVARD/OEB > Department of Organic and Evolutionary Biology, Harvard University
HC/GEOL > Department of Geology, Hamilton College
HCRN > Hawai'i Coral Reef Network
HDM > Harvard Design & Mapping Co.
HDPI > Hydrosphere Data Products Inc.
HGML > Hamilton Global Management, Ltd
HI/BISHOP-M/HBS > Hawaii Biological Survey, Bishop Museum, Hawaii
HI/BISHOP-M/NATSCI/BOT > Botany Department, National Sciences, Bishop Museum, Hawaii
HI/BISHOP-M/NATSCI/ENTO > Entomology Department, Natural Science, Bishop Museum, Hawaii
HI/BISHOP-M/NATSCI/GEOL > Geology Department, Natural Science, Bishop Museum, Hawaii
HI/BISHOP-M/PBS/SSP > Samoa Snail Project, Pacific Biological Survey, Bishop Museum, Hawaii
HI/BISHOP-M/RC/ODB > On-line Databases, Research and Collections, Bishop Museum, Hawaii
HI/HEAR/HNRMD > Hawaiian Natural Resources Monitoring Database, Hawaiian Ecosystems at Risk project, Hawaii
HIT/ENERG > Department of Energy Engineering, Hachinohe Institute of Technology
HM > Hydromodel
HP/HPRCC > High Plains Regional Climate Center
HRW > Holt, Rinehart, and Winston
HSI > Harmonic Software Inc.

HSWRI > Hubbs - SeaWorld Research Institute
HTHAEC > H.T. Harvey and Associates, Ecological Consultants
HUD > U.S. Department of Housing and Urban Development
HUNTSMAN-MSC/ARC > Huntsman Marine Science Centre, Atlantic Reference Centre
HWU/SLS > School of Life Sciences, Heriot-Watt University, UK
IA-STATE/CA/AGRON > Agronomy Department, College of Agriculture, Iowa State University
IA-STATE/CE/ABE > Agriculture and Biosystems Engineering, College of Engineering, Iowa State University
IA-STATE/GISSRF > Geographic Information Systems Support and Research Facility, Iowa State University
IA-STATE/IEC > Iowa Energy Center, Iowa State University
IA-STATE/IPRT/VRAC > Virtual Reality Application Center, Institute for Physical Research and Technology, Iowa State University
IA/DNR > Department of Natural Resources, Iowa
IA/DOT > Department of Transportation, Iowa
IABIN > Intern-American Biodiversity International Network
IAGT > Institute for the Application of Geospatial Technology
IAI > Inter-American Institute for Global Change Research
IAI-DIS > Inter-American Institute for Global Change Research, Data and Information System
IBM/R > IBM Research
IBP > The Institute for Bird Populations
ICES/EDC > Environmental Data Centre, International Council for the Exploration of the Sea
ICES/SVC_HYDR > Service Hydrographique, International Council for the Exploration of the Sea
ICFC/REMSAD > Regional Modeling System for Aerosols and Deposition, ICF Consulting
ICIMOD > International Centre for Integrated Mountain Development
ICSU/SCAR > Scientific Committee on Antarctic Research, International Council for Science
ID/DWR > Department of Water Resources, Idaho
ID/SCS > State Climate Services, Idaho
IDS > Intelligence Data Systems
IE/DAF > Department of Agriculture and Food, Ireland
IE/DAHGI/HOI > Heritage of Ireland, Department of Arts, Heritage, Gaeltacht and the Islands, Ireland
IE/DTO > Dublin Transportation Office, Ireland
IE/EPA > Environmental Protection Agency, Ireland
IE/ERHA > Eastern Regional Health Authority, Ireland
IE/GSI > Geological Survey of Ireland
IE/IFB > Irish Forestry Board (Coillte Teoranta), Ireland
IE/MARINE > Marine Institute, Ireland
IE/MET-EIREANN > Irish Meteorological Service, Ireland
IE/OSI > Ordnance Survey, Ireland
IEA > International Energy Agency
IEA/PVPS/TSK2 > Task 2, Photovoltaic Power Systems, International Energy Agency
IEO/CEDO > Centro Espanol de Datos Oceanograficos, Instituto Espanol de Oceanografia
IERS/EOC > Earth Orientation Centre, International Earth Rotation Service
IERS/GGFC > Global Geophysical Fluids Center, International Earth Rotation Service
IERS/RSPC > Rapid Service/Prediction Center, International Earth Rotation Service
IFIS > International Food Information Service
IFIS-P/FSC > Food Science Central, International Food Information Service, Publishing
IFRC/ARC > American Red Cross, International Federation of Red Cross and Red Crescent Societies
IGBP/IGAC/GEIA > Global Emissions Inventory Activity, International Global Atmospheric Chemistry, International Geosphere-Biosphere Program
IGBP/LUCC > Land Use and Land Cover Change, International Geosphere-Biosphere Program
IGC > Institute for Global Communications, San Francisco
IGES/COLA > Center for Ocean-Land-Atmosphere Studies, Institute of Global Environment and Society
IGES/COLA/GSWP > Global Soil Wetness Project, Center for Ocean-Land-Atmosphere Studies, Institute of Global Environment and Society
IGS/CBIS > Central Bureau Information System, International GPS Service for Geodynamics
IGS/IFAG > Institut fuer Angewandte Geodäsie, International GPS Service for Geodynamics
IGS/IGN > Institut Geographique National Global Data Center, France, International GPS Service
IIASA > International Institute for Applied Systems Analysis
IITA > International Institute of Tropical Agriculture
IL/DNR/GS > Geological Survey, Dept. of Natural Resources, Illinois
IL/DNR/ISM > Illinois State Museum, Department of Natural Resources, Illinois
IL/DNR/NHC/CEE > Center for Economic Entomology, Natural History Survey, Department of Natural Resources, Illinois
IL/DNR/NHS > Natural History Survey, Dept. of Natural Resources, Illinois
IL/DNR/WS > Water Survey, Dept. of Natural Resources, Illinois
IL/DNR/WS/MRCC > Midwestern Regional Climate Center, Water Survey, Dept. of Natural Resources, Illinois
IL/DNR/WS/NADP > National Atmospheric Deposition Program, Water Survey, Dept. of Natural Resources, Illinois
IL/DNR/WS/STATECLIM > State Climatologist Office, Water Survey, Dept. of Natural Resources, Illinois
IL/ISA/MEIDA > Middle East Interactive Data Archive, Israel Space-Agency, Israel
IMAGELINKS/RSO > Remote Sensing, Image Links
IN/DST/IITM > Indian Institute of Tropical Meteorology, Department of Science and Technology, India

IN/GSI > Geological Survey of India
IN/IISS > Indian Institute of Soil Science, India
IN/IITM/OEC > Ocean Engineering Centre, Indian Institute of Technology in Madras, India
IN/MCIT/NIC/GIS > Remote Sensing and GIS Division, National Informatics Centre, Ministry of Communication and Information Technology, India
IN/NIO > National Institute of Oceanography, India
IN/SPACE/NRSA > National Remote Sensing Agency, Department of Space, Government of India
INBIO > Instituto Nacional de Biodiversidad
INDENT > Innovative Decision Technologies, Inc.
INFOTERRA > Infoterra
INIBAP > International Network for the Improvement of Banana and Plantain
INOVAGIS > inovaGIS
INTELEC > Information Technology TELECommunication Geomatics Inc.
INTERGRAPH > Intergraph Mapping and Geospatial Solutions
INTERMAGNET > International Real-time Magnetic Observatory Network
INTEVATION > Intevation GmbH
IOBIS > International Ocean Biogeographic Information System
IOF > Institute of Oceanography and Fisheries
IOP > International Organisation of Palaeobotany
IOW > Baltic Sea Research Institute Warnemuende, Germany
IPA > Istituto Per L'Ambiente
IPCC > Intergovernmental Panel on Climate Change
IPCC/DDC > Data Distribution Center, Intergovernmental Panel on Climate Change
IPLLC > Informap Production LLC
IPNI > International Plant Names Index
IRD > L'Institut de Recherche pour le Developpement
IRD/HAPEX-SAHEL > Hapex Sahel Information System, L'Institut de Recherche pour Le developpement
IRIS > Incorporated Research Institutions for Seismology
IRIS/PASSCAL > PASSCAL Instrument Center, Incorporated Research Institutions for Seismology
ISC > International Seismological Centre
ISC-SASK > Information Services Corporation of Saskatchewan
ISCGM > International Sterring Committee for Global Mapping
ISIS > International Species Information System
IT/CNR/GNDCI > Gruppo Nazionale per la Difesa dalle Catastrofi Idrogeologiche, Italian National Research Council, Italy
IT/CNR/IBIMET > Institute for Biometeorology, Italian National Research Council, Italy
IT/CNR/ICMIB > Istituto di Chimica Biomolecolare, Italian National Research Council, Italy
IT/CNR/IPDA > Istituto per la Dinamica dei Processi Ambientali, Italian National Research Council, Italy
IT/CNR/IIA > Institute for Atmospheric Pollution, Italian National Research Council, Italy
IT/CNR/INAF/IFSI > Institute of Interplanetary Space Physics, National Institute for Astrophysics, Italian National Research Council, Italy
IT/CNR/IROE > Institute of Research on Electromagnetic Waves, Italian National Research Programme, Italy
IT/CNR/ISAC > Institute of Atmospheric Sciences and Climate, Italian National Research Council, Italy
IT/ENEA/CASACCIA > Ente per le Nuove tecnologie, l'Energia e l'Ambiente, Centro Della Casaccia, Italy
IT/ENEA/CLIM-OSS > Meteo-Climatological Observatory, Programma Nazionale di Ricerche in Antartide, Italy
IT/ENEA/FRASCATI > Ente per le Nuove Tecnologie, l'Energia e l'Ambiente, Centro Di Frascati, Italy
IT/INGV > Istituto Nazionale di Geofisica e Vulcanologia, Italy
IT/OGS > Istituto Nazionale di Oceanografia e di Geofisica Sperimentale, Italy
IT/PNRA > Italian Program for Antarctic Research, Italy
ITIS > Integrated Taxonomic Information System
IU-PUI/GEOL > Department of Geology, Indiana University-Purdue University at Indianapolis
IU/GEOG > Department of Geography, Indiana University
IU/PTL/CGL > Community Grids Lab, Pervasive Technology Labs, Indiana University
IUCN/BOOKSTORE > World Conservation Bookstore, IUCN-The World Conservation Union
IUCN/SSC > Species Survival Commission, IUCN -The World Conservation Union
IUCN/SSC/AFESG > African Elephant Specialist Group, Species Survival Commission, IUCN -The World Conservation Union
IUCN/SSC/ISSG > Invasive Species Specialist Group, Species Survival Commission, IUCN -The World Conservation Union
IUCN/WANI > Water & Nature Initiative, IUCN -The World Conservation Union
IUGG/IAGA > International Association of Geomagnetism and Aeronomy, International Union of Geodesy and Geophysics
IUI/MARINE-BIO > H. Steinitz Marine Biology Laboratory, Interuniversity Institute of Eilat, Israel
IVS > Interactive Visualization Systems
JA > Jonathan Adams
JGOFS/IFM > German Joint Ocean Flux Study, Institute for Marine Research
JGOFS/US_JGOFS > United States Joint Global Ocean Flux Study
JHU/APL/GUVI > Global Ultraviolet Imager Team, Applied Physics Laboratory, Johns Hopkins University
JHU/APL/IMP8 > IMP8 Team, Applied Physics Laboratory, Johns Hopkins University
JHU/APL/ORSG > Ocean Remote Sensing Group, Applied Physics Laboratory, Johns Hopkins University
JHU/APL/SD/ACE > Advanced Composition Explorer, Space Department, Applied Physics Laboratory, Johns Hopkins University
JHU/APL/SD/AMPTE/CCE-SDC > AMPTE/CCE Science Data Center, Space Department, Applied Physics Laboratory, John Hopkins University

JHU/APL/SD/SPS > Solar Physics Section, Space Department, Applied Physics Laboratory, Johns Hopkins University
JHU/APL/TIMED/SDS > TIMED Science Data System, Applied Physics Laboratory, Johns Hopkins University
JHU/APL/WOOD > Worldwide Ocean Optics Database, Applied Physics Laboratory, Johns Hopkins University
JHU/EPS/JSIL > The Jahn Stable Isotope Laboratory, Department of Earth and Planetary Sciences, Johns Hopkins University
JHU/EPS/ML > Magmatic Laboratory, Department of Earth and Planetary Sciences, Johns Hopkins University
JHU/SPH/DMMI > Dept. of Molecular Microbiology and Immunology, Bloomberg School of Public Health, Johns Hopkins University
JIC > John Innes Centre
JMP > JAKENMAX Productions
JOI/USSP-IODP > U.S. Science Support Program - Integrated Ocean Drilling Program, Joint Oceanographic Institutions
JP/AFFN/FISHERIES > Fukushima Prefecture Fisheries Experiment Station, Fukushima Agriculture, Forestry and Fisheries Network, Japan
JP/CC/AFFR > Computer Center for Agriculture, Forestry & Fisheries Research, Japan
JP/CP/ED/NCD > Nature Conservation Division, Environment Department, Chiba Prefecture, Japan
JP/CRL > Communications Research Laboratory, Japan
JP/FCIHE > Fukuoka-City Institute for Hygiene and Environment, Japan
JP/FRA/NRIFS > National Research Institute of Fisheries Science, Fisheries Research Agency, Japan
JP/GSH > Geological Survey of Hokkaido, Japan
JP/GSI > Geographical Survey Institute, Japan
JP/GSJ > Geological Survey of Japan
JP/HCFES > Hokkaido Central Fisheries Experimental Station, Japan
JP/HNAES > Hokkaido National Agricultural Experiment Station, Japan
JP/HPFES > Hyogo Prefectural Fisheries Experimental Station, Japan
JP/IPPRC > Ibaraki Prefectural Pollution Research Center, Japan
JP/JAMSTEC > Japan Marine Science and Technology Center, Japan
JP/JAMSTEC/ES > Earth Simulator, Japan Marine Science and Technology Center, Japan
JP/JAMSTEC/FRSGC > Fronteir Research System for Global Change, Japan Marine Science and Technology Center, Japan
JP/JAMSTEC/TRITON > TRITON Office, Japan Marine Science and Technology Center, Japan
JP/JAXA/EOC > Earth Observation Center, Japan Aerospace Exploration Agency, Japan
JP/JAXA/EORC > Earth Observation Research Center, Japan Aerospace Exploration Agency, Japan
JP/JAXA/EORC/GLACE > Global Atmospheric Chemistry Experiment, Earth Observation Research Center, Japan Aerospace Exploration Agency, Japan
JP/JAXA/ISAS > Institute for Space and Astronautical Sciences, Japan Aerospace Exploration Agency, Japan
JP/JMA > Japan Meteorological Agency, Japan
JP/JMA/MRI > Meteorological Research Institute, Japan Meteorological Agency, Japan
JP/JMA/OAO > Office of Antarctic Observations, Japan Meteorological Agency, Japan
JP/JODC > Japan Oceanographic Data Center
JP/JWA/MIC > Meteorological Information Center, Japan Weather Association, Japan
JP/KERC > Kanagawa Environmental Research Center, Japan
JP/KOPFES > Kochi Prefectural Fisheries Experimental Station, Japan
JP/KPFES > Kanagawa Prefectural Fisheries Research Institute, Japan
JP/MERI > Marine Ecology Research Institute, Japan
JP/METI/AIST > National Institute of Advanced Industrial Science and Technology, Ministry of Economy, Trade, and Industry, Japan
JP/METI/AIST/KNIRI > Kyushu National Industrial Research Institute, Advanced Industrial Science and Technology, Ministry of Economy, Trade, and Industry, Japan
JP/METI/AIST/NIRIN > National Industrial Research Institute of Nagoya, Advanced Industrial Science and Technology, Ministry of Economy, Trade, and Industry, Japan
JP/MEXT/NIPR > National Institute of Polar Research, Ministry of Education, Science, Sports and Culture, Japan
JP/NAO > National Astronomical Observatory, Japan
JP/NARO/NIFTS > National Institute of Fruit Tree Science, National Agricultural Research Organization, Japan
JP/NIED > National Research Institute for Earth Science and Disaster Prevention, Japan
JP/NIES/CGER > Center for Global Environmental Research, National Institute for Environmental Studies, Japan
JP/NIRS > National Institute of Radiological Sciences, Japan
JP/PWRI > Public Works Research Institute, Ministry of Construction, Japan
JP/RESTEC > Remote Sensing Technology Center, Japan
JP/RIKEN/IPCR > The Institute of Physical and Chemical Research, RIKEN, Japan
JP/SM/IPH > Institute of Public Health, Sendai Municipal, Japan
KAGO-U/CHEM-ENG > Department of Applied Chemistry Chemical Engineering, Kagoshima University
KANAZAWA-U/GSNST > Graduate School of Natural Science and Technology, Kanazawa University
KILLI-DATA > Killi-Data Online
KINKI-U/AERI > Atomic Energy Research Institute, Kinki University
KKWDK > kk+w digitale kartografie
KOBE-UC/BIO > Department of Biology, Kobe University of Commerce
KORDI > Korea Ocean Research and Development Institute
KOSMOS > Kosmos Z & K
KR/MMAF/NFRDI/KODC > Korean Oceanographic Data Center, National Fisheries Research and Development Institute, Ministry of Marine Affairs and Fisheries, Republic of Korea
KS/GS > Geological Survey, Kansas
KSAT > Kongsberg Satellite Services

KSU/AES > Agricultural Experiment Station, Kansas State University
KSU/CA/AGRON > Agronomy Department, College of Agriculture, Kansas State University
KSU/GEOLOGY > Department of Geology, Kent State University
KSU/VARC > Virtual Alfalfa Research Center, Kansas State University
KTOKAI-U/ENGIN > Department of Engineering, Kyushu Tokai University
KU-LEUNVEN/DLM/LFNLR > Laboratory for Forest, Nature and Landscape Research, Department of Land Management, Katholieke Universiteit Leuven
KWARE - GS > KWARE - Geological Software
KWI > Kitware, Inc
KY/GOT/KLC > Kentucky Landscape Census, Governor's Office for Technology, Kentucky
KY/NREPC/GIS > GIS Department, Natural Resources & Environmental Protection Cabinet, Kentucky
KYUSHU-U/FA/EL > Entomological Laboratory, Faculty of Agriculture, Kyushu University
KYUSHU-U/FE/DUEE > Department of Urban and Environmental Engineering, Faculty of Engineering, Kyushu University
LA/DWF/MFD > Marine Fisheries Division, Department of Wildlife and Fisheries, Louisiana
LANCASTER-U/ESD > Environmental Science Department, Lancaster University
LANCASTER-U/GEOG/CEMP > Centre for Environmental Magnetism and Palaeomagnetism, Geography Department, Lancaster University
LAT/LON > lat/lon
LAVAL/BIO > Department of Biology, Laval University
LB > U.S. Legislative Branch
LB/LC/MC > Map Collections, Library of Congress, U.S. Legislative Branch
LB/PO > Government Printing Office, U.S. Legislative Branch
LCPO > Lake Champlain Program
LEICESTER-U/GEOG > Department of Geography, Leicester University
LGI > Linnet Geomatics International, Inc.
LI > Luna Imaging, Inc
LISRC > Long Island Sound Resource Center
LM/ATC/LMSAL > Lockheed Martin Solar and Astrophysics Laboratory, Advanced Technology Center, Lockheed Martin
LMER/CRETM/UW > University of Washington, Columbia River Estuarine Turbidity Maximum Project
LMER/CRRL > Columbia River Research Laboratory, LMER
LP DAAC > Land Processes Distributed Active Archive Center
LSC/METEO > Meteorology Department, Lyndon State College
LSU/AG-C > Agricultural Center, Louisiana State University
LSU/CSPHIH > Center for the Study of Public Health Impacts of Hurricanes, Louisiana State University
LSU/DGA > Department of Geography and Anthropology, Louisiana State University
LSU/ESL > Earth Scan Laboratory, Louisiana State University
LSU/LMNH/NATSCI > Museum of Natural Science, Louisiana Museum of Natural History, Louisiana State University
LSU/WHOCC > World Health Organization Collaborating Center for Remote Sensing & Geographic Information Systems for Public Health, Louisiana State University
LT/WNERRS-LF > Wells National Estuarine Research Reserve at Laudholm Farm, Laudholm Trust
LTER > Long-Term Ecological Research Network Office
LTER/AND > H.J. Andrews Experimental Forest, Long-Term Ecological Research Network Office
LTER/ARC > Arctic Tundra, Long-Term Ecological Research Network Office
LTER/BES > Baltimore Ecosystem Study, Long-Term Ecological Research Network Office
LTER/BNZ > Bonanza Creek, Long-Term Ecological Research Network Office
LTER/CAP > Central Arizona Phoenix, Long-Term Ecological Research Network Office
LTER/CDR > Cedar Creek Natural History Area, Long-Term Ecological Research Network Office
LTER/CWT > Coweeta Hydrologic Laboratory, Long-Term Ecological Research Network Office
LTER/FCE > Florida Coastal Everglades, Long-Term Ecological Research Network Office
LTER/GCE > Georgia Coastal Ecosystems, Long-Term Ecological Research Network Office
LTER/HBR > Hubbard Brook Experimental Forest, Long-Term Ecological Research Network Office
LTER/HFR > Harvard Forest, Long-Term Ecological Research Network Office
LTER/JRN > Jornada Basin, Long-Term Ecological Research Network Office
LTER/KBS > Kellogg Biological Station, Long-Term Ecological Research Network Office
LTER/KNZ > Konza Prairie, Long-Term Ecological Research Network Office
LTER/LUQ > Luquillo Experimental Forest, Long-Term Ecological Research Network Office
LTER/MCM > McMurdo Dry Valleys, Long-Term Ecological Research Network Office
LTER/NTL > North Temperate Lakes, Long-Term Ecological Research Network Office
LTER/NWT > Niwot Ridge, Long-Term Ecological Research Network Office
LTER/PAL > Palmer Research Station, Long Term Ecological Research Program
LTER/PIE > Plum Island Ecosystem, Long-Term Ecological Research Network Office
LTER/VCR > Virginia Coast Reserve, Long-Term Ecological Research Network Office
MACLAREN > MacLaren Plansearch Ltd/SNC/Lavalin Inc
MARTEC > Martec, Ltd
MARTINDALE > Martindale Center
MAST > Mountain Area Safety Taskforce
MBARI > Monterey Bay Aquarium Research Institute

MBL > MacMillan Bloedel Limite
MCPS/EBSP > Event-Based Science Project, Montgomery County Public Schools
MD/BC/DEPRM > Department of Environmental Protection and Resource Management, Baltimore County, Maryland
MD/DNR > Department of Natural Resources, Maryland
MD/DNR/FISH > Fisheries Service, Department of Natural Resources, Maryland
MD/DNR/GISD > Geographic Information Services Division, Department of Natural Resources, Maryland
MD/DNR/MERLIN > Maryland Environmental Resources & Land Information Network, Department of Natural Resources, Maryland
MD/DNR/WHD > Wildlife and Heritage Division, Department of Natural Resources, Maryland
MD/DOE > Department of the Environment, Maryland
MD/GS > Geological Survey, Maryland
MDA/GSI > Geospatial Services International, MacDonald, Dettwiler and Associates Ltd.
ME/CLIM > State Climate Office, Maine
ME/DMR > Department of Marine Resources, Maine
MEDIAS FRANCE > Mediterranean Basin and Subtropical Africa Network
MEIJU/SSE > School of Science and Engineering, Meiji University
MG/CNRE > Centre National de Recherche sur l'Environnement, Madagascar
MG/ONE > Office National pour L'Environnement, Madagascar
MIDD-C/GEOL > Department of Geology, Middlebury College
MII > MicroImages, Inc.
MILLERSV/METEO > Meteorology Department, Millersville University
MIT/CSR/SPG > Space Plasma Group, Center for Space Research, Massachusetts Institute of Technology
MIT/DUSP/CRN > Computer Resource Network, Department of Urban Studies, Massachusetts Institute of Technology
MIT/EAPS/PAOC/CMU > Climate Modeling Initiative, Program in Atmospheres, Oceans, & Climate, Department of Earth, Atmospheric & Planetary Sciences, Massachusetts Institute of Technology
MIT/JPSPGC > Joint Program on the Science and Policy of Global Change, Massachusetts Institute of Technology
MIT/SPG > Space Plasma Group, Massachusetts Institute of Technology
MLML > Moss Landing Marine Laboratories
MMU/DEGS/ARIC > aric, Department of Environmental and Geographical Sciences, Manchester Metropolitan University
MN/CLIM > Climatology Working Group, Minnesota
MN/DNR > Department of Natural Resources, Minnesota
MN/OP > Office of Planning, Minnesota
MO/D-CON/NATURE > Nature Section, Department of Conservation, Missouri
MONTCLAIR/EES > Department of Earth & Environmental Studies, Montclair State University
MOTE > Mote Marine Laboratory
MPI-BGC > Max Planck Institute for Biogeochemistry
MPI-CH/ACD > Atmospheric Chemistry Division, Max Planck Institute for Chemistry
MPI-CH/GEOCHEM > Geochemistry Division, Max Planck Institute for Chemistry
MPI-M > Max Planck Institute for Meteorology
MPI-M/MAD > Model and Data Group, Max Planck Institute for Meteorology
MS > Microsoft Corporation
MSC > Magee Scientific Company
MSI > Mentor Software, Inc.
MSU/CGC&EO/TRFIC > Tropical Rain Forest Information Center, Center for Global Change & Earth Observations, Michigan State University
MSU/CGC&EO/TRFIC/LANDSAT > Landsat, Tropical Rain Forest Information Center, Center for Global Change & Earth Observations, Michigan State University
MSU/ECOL > Department of Ecology, Montana State University
MSU/ENTO > Department of Entomology, Michigan State University
MSU/IWR/RUSLE > Revised Universal Soil Loss Equation, Institute of Water Research, Michigan State University
MT-STATE/ECOL > Department of Ecology, Montana State University
MT-STATE/ECOL/ESG > Environmental Statistics Group, Department of Ecology, Montana State University
MT/FWP > Fish and Wildlife and Parks, Montana
MT/MSL/NRIS/GIS > GIS, Natural Resource Information System, Montana State Library, Montana
MUOHIO/GEOG > Department of Geography, Miami University, Ohio
MWN > Mount Washington Observatory
MX/CICESE > Centro de Investigacion Cientifica y de Educacion Superior de Ensenada, Mexico
MX/CONABIO > CONABIO, Mexico
MY/MARC > MALAYSIAN ANTARCTIC RESEARCH CENTER
NA/NAS > National Academy of Science, National Academies
NA/NATMIRC > National Marine Information and Research Centre, Namibia
NAAEE > North American Association for Environmental Education
NAB > National Aquarium in Baltimore
NAGOYA-U/RCAEC > Research Center for Advanced Energy Conversion, Nagoya University
NAGOYA-U/STELAB > Solar-Terrestrial Environment Laboratory, Nagoya University
NARA > National Archives and Records Administration
NASA > National Aeronautics and Space Administration
NASA/ARC/AE > Aerospace Encounter, Ames Research Center, NASA

NASA/ARC/ESD/SGE > Ecosystem Science and Technology Branch, Earth Sciences Division, Ames Research Center, NASA
NASA/ARC/ESE/ESPO > Earth Science Project Office, Earth Science Enterprise, Ames Research Center, NASA
NASA/ARC/LT > Learning Technologies, Ames Research Center, NASA
NASA/ARC/LT/WW > World Wind, Learning Technologies, Ames Research Center, NASA
NASA/ARC/MAS > MODIS Airborne Simulator Development Team, Ames Research Center, NASA
NASA/ARC/OSS > Open Source Software, Ames Research Center, NASA
NASA/ARC/SOFIA/EPO > Education and Public Outreach, Stratospheric Observatory for Infrared Astronomy, Ames Research Center, NASA
NASA/EDU/CORE > Central Operation of Resources for Educators, Education Division, NASA
NASA/EDU/SL > Space Link, Education Division, NASA
NASA/EDU/SL/ERCN > Educator Resource Center Network, Space Link, Education Division, NASA
NASA/GSFC/EOS/CARSTAD > Center for Airborne Remote Sensing and Technology and Applications Development, Earth Observing System, Goddard Space Flight Center, NASA
NASA/GSFC/EOS/EO > Earth Observatory, Earth Observing System, Goddard Space Flight Center, NASA
NASA/GSFC/EOS/EOSDIS/EMD > Maintenance and Development, Earth Observing System Data and Information System, Earth Observing System, Goddard Space Flight Center, NASA
NASA/GSFC/EOS/ESDIS > Earth Science Data and Information System Project, Earth Observing System, Goddard Space Flight Center, NASA
NASA/GSFC/EOS/ESDIS/ECHO > EOS ClearingHouse, Earth Science Data and Information Systems, Earth Observing System, Goddard Space Flight Center, NASA
NASA/GSFC/EOS/ESDIS/EDG > EOS Data Gateway, Earth Science Data and Information Systems, Earth Observing System, Goddard Space Flight Center, NASA
NASA/GSFC/EOS/PO > Program Office, Earth Observing System, Goddard Space Flight Center, NASA
NASA/GSFC/ESED > Earth-Sun Exploration Division, Goddard Space Flight Center, NASA
NASA/GSFC/ESED/ED > Earth Science Educator, Earth-Sun Exploration Division, Goddard Space Flight Center, NASA
NASA/GSFC/ESED/GCDC/GCMD > Global Change Master Directory, Global Change Data Center, Earth-Sun Exploration Division, Goddard Space Flight Center, NASA
NASA/GSFC/ESED/GCDC/GES-DISC/ACDISC > Atmospheric Composition Data Center, Goddard Earth Sciences, Data and Information Services Center, Global Change Data Center, Earth-Sun Exploration Division, Goddard Space Flight Center, NASA
NASA/GSFC/ESED/GCDC/GES-DISC/DAAC > Distributed Active Archive Center, Goddard Earth Sciences, Data and Information Services Center, Global Change Data Center, Earth-Sun Exploration Division, Goddard Space Flight Center, NASA
NASA/GSFC/ESED/GCDC/GES-DISC/DAAC/ATMODYN > Atmospheric Dynamics, Distributed Active Archive Center, Goddard Earth Sciences, Data and Information Services Center, Global Change Data Center, Earth-Sun Exploration Division, Goddard Space Flight Center, NASA
NASA/GSFC/ESED/GCDC/OBPG > Ocean Biology Processing Group (OBPG), Global Change Data Center, Earth-Sun Exploration Division, Goddard Space Flight Center, NASA
NASA/GSFC/ESED/GISS > Goddard Institute for Space Studies, Earth-Sun Exploration Division, Goddard Space Flight Center, NASA
NASA/GSFC/ESED/GMAO > Global Modeling and Assimilation, Earth-Sun Exploration Division, Goddard Space Flight Center, NASA
NASA/GSFC/ESED/HBSL/BSB > Biospheric Sciences Branch, Hydrospheric and Biospheric Sciences Laboratory, Earth-Sun Exploration Division, Goddard Space Flight Center, NASA
NASA/GSFC/ESED/HBSL/BSB/FED > Forest Ecosystem Dynamics Project, Biospheric Sciences Branch, Hydrospheric and Biospheric Sciences Laboratory, Earth-Sun Exploration Division, Goddard Space Flight Center, NASA
NASA/GSFC/ESED/HBSL/CSB > Cryospheric Sciences Branch, Hydrospheric and Biospheric Sciences Laboratory, Earth-Sun Exploration Division, Goddard Space Flight Center, NASA
NASA/GSFC/ESED/HBSL/HSB > Hydrological Sciences Branch, Hydrospheric and Biospheric Sciences Laboratory, Earth-Sun Exploration Division, Goddard Space Flight Center, NASA
NASA/GSFC/ESED/HBSL/TIS/EO > Education and Outreach, Terrestrial Information Systems, Hydrospheric and Biospheric Science Laboratory, Earth-Sun Exploration Division, Goddard Space Flight Center, NASA
NASA/GSFC/ESED/HBSL/TIS/MODIS-LAND-QA > MODIS Land Quality Assessment, Terrestrial Information Systems, Hydrospheric and Biospheric Science Laboratory, Earth-Sun Exploration Division, Goddard Space Flight Center, NASA
NASA/GSFC/ESED/HBSL/TIS/MODIS-RRS > MODIS Rapid Response System, Terrestrial Information Systems, Hydrospheric and Biospheric Science Laboratory, Earth-Sun Exploration Division, Goddard Space Flight Center, NASA
NASA/GSFC/ESED/LA/ACDB > Atmospheric Chemistry and Dynamics Branch, Laboratory for Atmospheres, Earth-Sun Exploration Division, Goddard Space Flight Center, NASA
NASA/GSFC/ESED/LA/CRB > Climate and Radiation Branch, Laboratory for Atmospheres, Earth-Sun Exploration Division, Goddard Space Flight Center, NASA
NASA/GSFC/ESED/LA/MAP/TRMM > Tropical Rainfall Measuring Mission, Mesoscale Atmospheric Processes, Laboratory for Atmospheres, Earth-Sun Exploration Division, Goddard Space Flight Center, NASA
NASA/GSFC/ESED/LA/MAPB > Mesoscale Atmospheric Processes Branch, Laboratory for Atmospheres, Earth-Sun Exploration Division, Goddard Space Flight Center, NASA
NASA/GSFC/ESED/LANDSAT > LANDSAT/EARTH-SUN EXPLORATION DIVISION, GODDARD SPACE FLIGHT CENTER, NASA
NASA/GSFC/ESED/LSSP/GP/EDB > Electrodynamics Branch, Geospace Physics, Laboratory for Solar and Space Physics, Earth-Sun Exploration Division, Goddard Space Flight Center, NASA
NASA/GSFC/ESED/LSSP/GP/PWG > Polar, Wind, Geotail Project, Geospace Physics, Laboratory for Solar and Space Physics, Earth-Sun Exploration Division, Goddard Space Flight Center, NASA
NASA/GSFC/ESED/LSSP/SOHO > Solar and Heliospheric Observatory, Laboratory for Solar and Space Physics, Earth-Sun Exploration Division, Goddard Space Flight Center, NASA
NASA/GSFC/ESED/LSSP/SP/SDAC > Solar Data Analysis Center, Solar Physics, Laboratory for Solar and Space Physics, Earth-Sun Exploration Division, Goddard Space Flight Center, NASA

NASA/GSFC/ESED/LSSP/SPDF > Space Physics Data Facility, Laboratory for Solar and Space Physics, Earth-Sun Exploration Division, Goddard Space Flight Center, NASA

NASA/GSFC/ESED/LSSP/SPDF/SECEF > Sun-Earth Connection Education Forum, Space Physics Data Facility, Laboratory for Solar and Space Physics, Earth-Sun Exploration Division, Goddard Space Flight Center, NASA

NASA/GSFC/ESED/NDRD > Natural Disaster Reference Database, Earth-Sun Exploration Division, Goddard Space Flight Center, NASA

NASA/GSFC/ESED/SIVO > Software Integration & Visualization Office, Earth-Sun Exploration Division, Goddard Space Flight Center, NASA

NASA/GSFC/EUD/APL > Astroparticle Physics Laboratory, Exploration of the Universe Division, Goddard Space Flight Center, NASA

NASA/GSFC/GIO > Geospatial Interoperability Office, Goddard Space Flight Center, NASA

NASA/GSFC/LASP > Laboratory for Astronomy and Solar Physics

NASA/GSFC/LDAS > Land Data Assimilation System, Goddard Space Flight Center, NASA

NASA/GSFC/LSSP/GP/CCMC > Community Coordinated Modeling Center, Geospace Physics, Laboratory for Solar and Space Physics, Goddard Space Flight Center, NASA

NASA/GSFC/MST/MA > MODIS-Atmosphere, MODIS Science Team, Goddard Space Flight Center, NASA

NASA/GSFC/ODPS > Ocean Discipline Processing System, Goddard Space Flight Center, NASA

NASA/GSFC/SECPO/LWS/EPO > Education and Public Outreach, Living With a Star, Sun Earth Connection Program Office, Goddard Space Flight Center, NASA

NASA/GSFC/SSDOO/NSSDC > National Space Science Data Center, Space Science Data Operation Office, Goddard Space Flight Center, NASA

NASA/GSFC/SSDOO/NSSDC/ISC > IMAGE Science Center, National Space Science Data Center, Space Science Data Operation Office, Goddard Space Flight Center, NASA

NASA/GSFC/SSDOO/NSSDC/RJP > Radio JOVE Project, National Space Science Data Center, Space Science Data Operation Office, Goddard Space Flight Center, NASA

NASA/GSFC/SSDOO/NSSDC/SSC > Satellite Situation Center, National Space Science Data Center, Space Science Data Operation Office, Goddard Space Flight Center, NASA

NASA/GSFC/SSD/CDDIS > Crustal Dynamics Data Information System, Solar System Exploration Division, Goddard Space Flight Center, NASA

NASA/GSFC/SSD/PGL > Planetary Geodynamics Laboratory, Solar Systems Exploration Division, Goddard Space Flight Center, NASA

NASA/GSFC/WFF/HBSL/OS/OSB > Observational Science Branch, Ocean Science, Hydrospheric and Biospheric Sciences Laboratory, Wallops Flight Facility, Goddard Space Flight Center, NASA

NASA/HQ/LOE > Life on Earth, Head Quarters, National Aeronautics and Space Administration

NASA/JPL/AIRS > Atmospheric Infrared Sounder, Jet Propulsion Laboratory, NASA

NASA/JPL/AIRSEA > Air - Sea Interaction & Climate, Jet Propulsion Laboratory, NASA

NASA/JPL/ASTER > ASTER, JET PROPULSION LABORATORY, NASA

NASA/JPL/ATMOS > Atmospheric Trace Molecule Spectroscopy Experiment, Jet Propulsion Laboratory, NASA

NASA/JPL/AVIRIS > Airborne Visible Infrared Imaging Spectrometer Data Facility, Jet Propulsion Laboratory, NASA

NASA/JPL/GENESIS > GPS Environmental & Earth Science Information System, Jet Propulsion Laboratory, NASA

NASA/JPL/MISR > Multi-angle Imaging SpectroRadiometer Team, Jet Propulsion Laboratory, NASA

NASA/JPL/OCEANESIP > Ocean ESIP, Jet Propulsion Laboratory, NASA

NASA/JPL/ONEARTH > OnEarth, Jet Propulsion Laboratory, NASA

NASA/JPL/PDS-GEOSCIENCES NODE > Planetary Data System Geosciences Node, Jet Propulsion Laboratory, NASA

NASA/JPL/PODAAC > Physical Oceanography Distributed Active Archive Center, Jet Propulsion Laboratory, NASA

NASA/JPL/PODAAC/NEREIDS > Near-Real-Time Image Distribution Server, Physical Oceanography Distributed Active Archive Center, Jet Propulsion Laboratory, NASA

NASA/JPL/PUMAS > Practical Uses of Math And Science, Jet Propulsion Laboratory, NASA

NASA/JPL/QUIKSCAT > QUIKSCAT, JET PROPULSION LABORATORY, NASA

NASA/JPL/RDC > Radar Data and Outreach Center, Jet Propulsion Laboratory, NASA

NASA/JPL/SCIJINKS > SciJinks Weather Laboratory, Jet Propulsion Laboratory, NASA

NASA/JPL/SESPD/ACRP > Atmospheric Chemistry Research Program, Space and Earth Science Programs Directorate, Jet Propulsion Laboratory, NASA

NASA/JPL/SRTM > Shuttle Radar Topography Mission Project Office, Jet Propulsion Laboratory, NASA

NASA/JPL/TPJOT > TOPEX/Poseidon and Jason-1 Outreach Team, Jet Propulsion Laboratory, NASA

NASA/JPL/TRFIC > Tropical Rain Forest Information Center, Jet Propulsion Laboratory, NASA

NASA/JSC/EOL > Earth Sciences and Image Analysis, Johnson Space Center, NASA

NASA/LARC/ASC > Atmospheric Sciences Competency, Langley Research Center, NASA

NASA/LARC/ASC/SABER > SABER Science Team, Atmospheric Sciences Competency, Langley Research Center, NASA

NASA/LARC/ASC/TCIDC > Tropospheric Chemistry Integrated Data Center, Atmospheric Sciences Competency, Langley Research Center, NASA

NASA/LARC/ASDC > Atmospheric Sciences Data Center, Langley Research Center, NASA

NASA/LARC/ASDC/MND > MY NASA DATA, Atmospheric Sciences Data Center, Langley Research Center, NASA

NASA/LARC/LARC_DAAC > Langley Research Center Distributed Active Archive Center, Langley Research Center, NASA

NASA/MSFC/GHCC > Global Hydrology and Climate Center, Marshall Space Flight Center, NASA

NASA/MSFC/GHCC/LAER > Lightning and Atmospheric Electricity Research, Global Hydrology and Climate Center, Marshall Space Flight Center, NASA

NASA/MSFC/GHRC > Global Hydrology Resource Center, Marshall Space Flight Center, NASA

NASA/MSFC/GHRC/DISCOVER > Distributed Information Services for Climate and Ocean Products and Visualizations for Earth Research/Global Hydrology Resource Center, Marshall Space Flight Center, NASA

NASA/MSFC/LIFTOFF > Liftoff, Marshall Space Flight Center, NASA

NASA/MSFC/NSSTC > National Space Science and Technology Center, Marshall Space Flight Center, NASA

NASA/MSFC/SEE > Space Environments and Effects Program, Marshall Space Flight Center, NASA

NASA/MSFC/SPB > Solar Physics Branch, Marshall Space Flight Center, NASA
NASA/MSFC/SWC > SpaceWeather.com, Marshall Space Flight Center, NASA
NASA/SSC/ASD > Applied Sciences Directorate, Stennis Space Center, NASA
NASA/SSC/OED > Office of Education, Stennis Space Center, NASA
NATURESERVE-CA > NatureServe, Canada
NATURESERVE-USA > NatureServe, United States
NATUUR > Natuur and Techniek
NAU/GEOL > Department of Geology, Northern Arizona University
NBC/MSNBC > Microsoft NBC, National Broadcast Company
NC-STATE/BAED/WQG > Water Quality Group, Biological and Agricultural Engineering Department, North Carolina State University
NC-STATE/BASIC/NC GAP > NC Gap Analysis Project, Biological and Spatial Information Center, North Carolina State University
NC-STATE/BOT > Botany Department, North Carolina State University
NC-STATE/SOIL > Soil Science Department, North Carolina State University
NC/BG/BONAP > Biota of North America Program, Botanical Garden, North Carolina
NC/CGIA > Center for Geographic Information and Analysis, North Carolina
NC/DACS > Department of Agriculture and Consumer Services, North Carolina
NC/NCSU/CLIM > State Climate Office, North Carolina State University, North Carolina
NCGR > National Center for Genome Research
ND-STATE/COLAG/SOIL > Department of Soil Science, College of Agriculture, North Dakota State University
ND-STATE/PLANT > Department of Plant Science, North Dakota State University
NE-R/NRCC > Northeast Regional Climate Center
NERSC > Nansen Environmental and Remote Sensing Centre
NEWHAVEN/BES > Department of Biology and Environmental Science, University of New Haven
NEWTEL > Newtel Communications Inc.
NFPA/FW > Firewise, National Fire Protection Association
NGS > National Geographic Society
NH/CLIM > State Climate Office, New Hampshire
NH/DES > Department of Environmental Services, New Hampshire
NI/MARENA > Ministerio del Ambiente y Recursos Naturales (Ministry of the Atmosphere and Natural Resources), Nicaragua
NIBS > National Institute of Building Sciences
NIFC/NICC > National Interagency Coordination Center, National Interagency Fire Center
NIHON-U/HS/GEOSYS > Department of Geosystem Sciences, Humanities and Sciences, Nihon University
NIL-U/GEOG > Department of Geography, Northern Illinois University
NIL-U/GEOL > Geology and Environmental Geosciences, Northern Illinois University
NILU > Norwegian Institute for Air Research
NJ/CLIM > State Climatologist, New Jersey
NJ/DEP/FGW > Division of Fish and Wildlife, Department of Environmental Protection, New Jersey
NJIT/BBSO > Big Bear Solar Observatory, New Jersey Institute of Technology
NL/KNMI > Royal Netherlands Meteorological Institute, Netherlands
NL/MNP > Netherlands Environmental Assessment Agency
NL/NIOO-KNAW/CEMO > Centre for Estuarine and Coastal Ecology, Netherlands Institute of Ecology, Royal Netherlands Academy of Arts and Sciences, Netherlands
NL/NWO/NIOZ > Netherlands Institute for Sea Research, Netherlands Organization for Scientific Research, Netherlands
NL/RIVM > National Institute of Public Health and the Environment, Netherlands
NL/RWS-RIKZ > Rijksinstituut voor Kust en Zee (Institute for Marine and Coastal Management), Netherlands
NL/SRON > Space Research Organization Netherlands
NM-STATE/CAHE/AEAB > Agricultural Economics and Agricultural Business, College of Agriculture and Home Economics, New Mexico State University
NM-STATE/CAHE/AGHORT > Agronomy & Horticulture, College of Agriculture and Home Economics, New Mexico State University
NM-STATE/CE/CAGE > Civil and Geological Engineering Department, College of Engineering, New Mexico State University
NM-STATE/WRRI > Water Resources Research Institute, New Mexico State University
NM/BM/NMGRL/AL > Argon Lab, Geochronology Research Laboratory, Bureau of Mines, New Mexico
NMTECH/EES > Department of Earth and Environmental Science, New Mexico Institute of Mining and Technology
NMTECH/EES/MEVO > Mount Erebus Volcano Observatory, Earth and Environmental Science Department, New Mexico Institute of Mining and Technology
NO/IMR > Institute of Marine Research, Bergen, Norway
NO/MER/MET > Norwegian Meteorological Institute, Ministry of Education and Research, Norway
NO/MF/IMR > Institute of Marine Research, Ministry of Fisheries, Norway
NO/NMDC/IMR > Institute of Marine Research, Norwegian Marine Data Centre, Norway
NO/NPCA/SOE > State of the Environment, Norwegian Pollution Control Authority, Norway
NO/NPI > Norwegian Polar Institute, Norway
NOAA > National Oceanic & Atmospheric Administration
NOPP > National Oceanographic Partnership Program
NOPP/ECCO > Estimating the Circulation and Climate of the Ocean, National Oceanographic Partnership Program
NP/DMG > Department of Mines & Geology, Nepal
NPG > Nature Publishing Group

NSF > National Science Foundation
NSIDC > National Snow and Ice Data Center
NSIDC_AGDC > NSIDC Antarctic Glaciological Data Center
NSIDC_ARCSS > Arctic System Science Data Coordination Center
NSIDC_DAAC > NSIDC Distributed Active Archive Center
NSIDC_FGDC > Frozen Ground Data Center
NSIDC_NOAA > National Oceanic and Atmospheric Administration
NSO/GONG > Global Oscillation Network Group, National Solar Observatory
NSO/KP > National Solar Observatories, Kitt Peak
NSO/SP > National Solar Observatories, Sacramento Peak
NTU/ATMO > Department of Atmospheric Science, National Taiwan University
NTWARE > Win2000 Archives
NUI/MRMSI/AB > AlgaeBase, Martin Ryan Marine Science Institute, National University of Ireland, Galway
NWAIS/SN > STREAMNET, Northwest Aquatic Information Network
NWRA > Northwest Research Associates, Inc.
NWSEED/WPM > Wind Power Maps, Northwest SEED
NWU/SESP > School of Education and Social Policy, Northwestern University
NY-NJ/HEP/DD > Data Depot, Harbor Estuary Program, New York-New Jersey
NY/CLIM > State Climate Office, New York
NY/DH/WC > Wadsworth Center, Department of Health, New York
NY/ED/NYSM > New York State Museum, Education Department, New York
NYU/CIMS/CAOS > Center for Atmosphere Ocean Science, Courant Institute of Mathematical Sciences, New York University
NZ/GNS > Institute of Geological and Nuclear Sciences Ltd., New Zealand
NZ/NZAI/ANZ > Antarctica New Zealand, New Zealand Antarctic Institute, New Zealand
OAU/AG/SOIL > Department of Soil Science, Faculty of Agriculture, Obafemi Awolowo University
OBS-MIP > Observatoire Midi-Pyrenees, Universite Paul Sabatier, Toulouse III
OCEANOR > Oceanographic Company of Norway AS
OCF > Open Channel Foundation
ODU/CCPO > Center for Coastal Physical Oceanography, Old Dominion University
OH-STATE/BPRC > Byrd Polar Research Center, The Ohio State University
OH-STATE/BPRC/AGD > Antarctic Geologic Database, Byrd Polar Research Center, The Ohio State University
OH-STATE/BPRC/PMG > Polar Meteorology Group, Byrd Polar Research Center, The Ohio State University
OH-STATE/BPRC/RR > United States Polar Rock Repository, Byrd Polar Research Center, The Ohio State University
OH-STATE/FABE > Food, Agriculture and Biological Engineering, The Ohio State University
OH-STATE/GEOL > Department of Geological Sciences, The Ohio State University
OH-STATE/LIB > University Libraries, The Ohio State University
OH-STATE/SNR > School of Natural Resources, College of Food, Agriculture, and Environmental Sciences, The Ohio State University
OH-STATE/STAT/SSES > Program in Spatial Statistics and Environmental Sciences, Department of Statistics, The Ohio State University
OH-U/COM > College of Osteopathic Medicine, Ohio University
OH/CLIM > State Climate Office, Ohio
OITA/CHEM-ENG > Department of Applied Chemistry and Engineering, Oita University
OK-STATE/ANSI > Department of Animal Sciences, Oklahoma State University
OK-STATE/GEOG/OCGI > Oklahoma Center for Geospatial Information, Department of Geography, Oklahoma State University
OK-STATE/SOILPHYSICS > Department of Plant and Soil Sciences, Oklahoma State University
OK/OCS > Oklahoma Climatological Survey, Oklahoma
OKAYAMA-MISASA/ISEI > Institute for Study of the Earth's Interior, Okayama University at Misasa
OL > OCEANLINK
OPENDAP > OPeNDAP Inc.
OPENU/BIO/DAPTF > Declining Amphibian Population Task Force, Department of Biological Sciences, Open University
OPL > Oilfield Publications Limited
OR-STATE/BG > Buoy Group, Oregon State University
OR-STATE/COAS > College of Oceanic and Atmospheric Sciences, Oregon State University
OR-STATE/COF > College of Forestry, Oregon State University
OR-STATE/CROP-SOIL > Department of Crop and Soil Science, Oregon State University
OR-STATE/FOREST/FSL > Corvallis Forestry Research Community, Department of Forest Science, Oregon State University
OR-STATE/FS > FOREST SCIENCE, OREGON STATE UNIVERSITY
OR-STATE/GEO/TGL > Terra Cognita Laboratory, Department of Geosciences, Oregon State University
OR-STATE/IPPC > Integrated Plant Protection Center, Oregon State University
OR-STATE/LARSE > Laboratory for Applications of Remote Sensing in Ecology, Oregon State University
OR-STATE/RSEO > Remote Sensing Ocean Optics, Oregon State University
OR/CLIM > Oregon Climate Service, Oregon
OR/DEQ > Department of Environmental Quality, Oregon
OR/ODFW/NRIMP > Natural Resources Information Management Program, Oregon Department of Fish and Wildlife, Oregon
ORNL_DAAC > Oak Ridge National Laboratory Distributed Active Archive Center
ORTECH > Canadian ORTECH Environmental Inc.
ORTECH/CGEIC > Canadian Global Emissions Interpretation Centre, Canadian ORTECH Environmental Inc.

OSSI > Open Source Software Institute
OU/CAPS > Center for Analysis and Prediction of Storms, University of Oklahoma
OU/EVAC > Environmental Verification and Analysis Center, University of Oklahoma
OXFORD/DPS > Department of Plant Sciences, University of Oxford
PA/CLIM > State Climatologist, Pennsylvania
PA/DEP > Department of Environmental Protection, Pennsylvania
PACINST > Pacific Institute for Studies in Development, Environment, and Security
PACINST/WW > World's Water, Pacific Institute for Studies in Development, Environment, and Security
PALEOMAP > PALEOMAP Project
PAN > Pesticide Action Network
PANGAEA > PANGAEA
PANGAEA/CRP > Cape Roberts Project, PANGAEA
PANGAEA/PKDB > International Paleoclimate Database, PANGAEA
PAZ > PAZ Software
PCIG > PCI Geomatics
PDC > Pacific Disaster Center
PDI > Plumb Designs Inc.
PDX/PHYSICS > Department of Physics, Portland State University
PE > PalyEast
PENNSTATE/AG/AERS > Agricultural Economics and Rural Sociology, College of Agriculture, Pennsylvania State University
PENNSTATE/AG/SFR > School of Forest Resources, College of Agricultural Sciences, Pennsylvania State University
PENNSTATE/EESI/CEI > Center for Environmental Informatics, Earth and Environmental Systems Institute, Pennsylvania State University
PENNSTATE/EMS/GEOG > Department of Geography, Earth and Mineral Science, Pennsylvania State University
PENNSTATE/EMS/GEOSCI > Geoscience Department, Earth and Mineral Science, Pennsylvania State University
PENNSTATE/EMS/MET > Meteorology Department, Earth and Mineral Sciences, Pennsylvania State University
PH/DOST/PCARRD > Philippine Council for Agriculture, Forestry and Natural Resources Research and Development, Department of Science and Technology, Philippines
PHOTOSAT > PhotoSat Information Ltd.
PIK > Potsdam Institute for Climate Impact Research
PISCES > PISCES Conservation Ltd.
PK/MST/NIO > National Institute of Oceanography, Ministry of Science and Technology, Pakistan
PL/INC/PAS > Polish Academy of Sciences, Institute of Nature Conservation, Poland
PLYMOUTH/WXCENTER > Weather Center, Plymouth State University
PMIP > Paleoclimate Modelling Intercomparison Project
POTOMAC/ICPRB > Interstate Commission on the Potomac River Basin
PRINCETON/AOS > Atmospheric and Oceanic Sciences, Princeton University
PRINCETON/GEOS > Department of Geosciences, Princeton University
PT/AG/IPIMAR > Instituto de Investigacao das Pescas e do Mar, Ministerio da Agricultura, Portugal
PURDUE/AG/ABE > Department of Agricultural and Biological Engineering, School of Agriculture, Purdue University
PURDUE/AG/AGRON > Department of Agronomy, School of Agriculture, Purdue University
PURDUE/AG/AGRON/SOILS/MET > Applied Meteorology Group, Plant and Soils Lab, Department of Agronomy, School of Agriculture, Purdue University
PURDUE/AGRON/LARS > Laboratory for Applications of Remote Sensing, Department of Agronomy, Purdue University
PURDUE/CERIS/ENTM > Entomology Department, Center for Environmental and Regulatory Information Systems, Purdue University
PURDUE/CERIS/NAPIS > National Agricultural Pest Information Service, Center for Environmental and Regulatory Information Systems, Purdue University
PURDUE/ECE > Electrical and Computer Engineering, Purdue University
PURDUE/EXTENSION > Purdue Extension, Purdue University
PYTH/CS > Cheese Shop, Python
QPAIS > Qualifying Professional Association, Institutions and Societies
QUB/BB > Biology and Biochemistry Department, Queen's University, Belfast
RAMAS > Ramas Ecological Software
RC > RealClimate
REEF > Reef Environmental Education Foundation
REEF RELIEF > Reef Relief Organization
REGENT > Regent Instruments Inc.
RFF > Resources for the Future, Inc.
RGI > Resource GIS and Imaging Ltd.
RHODES/DZE > Department of Zoology and Entomology, Rhodes University
RI/DOA > Department of Administration, Rhode Island
RICE/DES > Department of Earth Science, Rice University
RICE/RIS > Rice Space Institute, Rice University
RITI > Reading Information Technology, Inc.
RPI/CS > Computer Science Department, Rensselaer Polytechnic Institute
RR > Refractions Research
RRES/BROOM > Broom's Barn, Rothamsted Research

RRES/GCTE SOMNET > Global Change and Terrestrial Ecosystems Soil Organic Matter Network, Rothamsted Research
RRES/GCTE SOMNET/EUROSOMNET > European Soil Organic Matter Network, Global Change and Terrestrial Ecosystems Soil Organic Matter Network, Rothamsted Research
RRES/ROTH > Rothamsted, Rothamsted Research
RSI > RADARSAT International
RSINC > Research Systems Inc.
RSS > Remote Sensing Systems
RU/IRE/CPSSI > Center of Processing and Storing the Space Information, IRE RAS, Russia
RU/PINRO > Polar Research Institute of Marine Fisheries and Oceanography, Russia
RU/RAS/I-GEOG > Institute of Geography, Russian Academy of Sciences, Russia
RU/RAS/IACP/SML > Satellite Monitoring Laboratory, Institute of Automation and Control Processes, Russian Academy of Sciences, Russia
RU/RAS/ICMMG/NTL > Novosibirsk Tsunami Laboratory, Institute of Computational Mathematics and Mathematical Geophysics, Russian Academy of Sciences, Russia
RU/RAS/SCG > Scientific Centre for Geoecology, Russian Academy of Sciences, Russia
RU/RAS/SIO > P.P. Shirshov Institute of Oceanology, Russian Academy of Sciences, Russia
RU/ROSHYDROMET/FERHRI > Far East Regional Hydrometeorological Research Institute, Russian Federal Service for Hydrometeorology and Environmental Monitoring, Russia
RU/SRI/SMIS > Space Monitoring Information Support Laboratory, Space Research Institute, Russia
RU/VNIRO > Russian Research Institute for Marine Fishing and Oceanography, Russia
RUG/ARTIC > Arctic Centre, University of Groningen, The Netherlands
RUG/BIO > Biology Department, University of Groningen, The Netherlands
RUG/M-BIO > Department of Marine Biology, University of Groningen, The Netherlands
RUTGERS/CC/CRSSA > Center for Remote Sensing and Spatial Analysis, Cook College, Rutgers University
RUTGERS/CC/DES/GSMDB > Global Soil Moisture Data Bank, Department of Environmental Science, Cook College, Rutgers University
RUTGERS/CC/HE > Human Ecology, Cook College, Rutgers University
RUTGERS/CUPR > Center for Urban Policy Research, Rutgers University
RUTGERS/IMCS > Institute of Marine and Coastal Sciences, Rutgers University
RUTGERS/IMCS/COOL > Coastal Ocean Observation Lab, Institute of Marine and Coastal Sciences, Rutgers University
RWI > RockWare, INC.
SA > Sycamore Associates
SAHFOS/CRP > Continuous Plankton Recorder, Sir Alister Hardy Foundation for Ocean Science
SAI > Sylvan Ascent Inc.
SAIC > Science Applications International Corporation
SAMAB > The Southern Appalachian Man and the Biosphere
SANGIS > San Diego GIS
SANI/ITA > Sani-International Technology Advisors Inc.
SATOBSYS > Satellite Observing Systems
SC/DNR/WRD/SERCC > Southeast Regional Climate Center, Water Resources Division, Department of Natural Resources, South Carolina
SC/EMD > Emergency Management Division, South Carolina
SC/SFA > Seychelles Fishing Authority, Seychelles
SCC-FL/PHYSSCI > Department of Physical Sciences, Seminole Community College
SCCI > StormCenter Communications, Inc.
SCES/RELM > Regional Earthquake Likelihood Models, Southern California Earthquake Center
SCIAM > Scientific American, Inc.
SCIFISH > Scientific Fishery Systems Inc.
SCO > Social Change Online
SCRIPPS/C4 > Center for Clouds Chemistry and Climate, Scripps Institution of Oceanography
SCRIPPS/CALSPACE/AARC > Arctic & Antarctic Research Center, California Space Institute, Scripps Institution of Oceanography
SCRIPPS/CCS > Center for Coastal Studies, Scripps Institution of Oceanography
SCRIPPS/CMBB > Center for Marine Biotechnology and Biomedicine, Scripps Institution of Oceanography
SCRIPPS/GEOSCI > Geosciences Research Division, Scripps Institution of Oceanography
SCRIPPS/IGPP > Institution of Geophysics and Planetary Physics, Scripps Institution of Oceanography
SCRIPPS/IGPP/VC > Visualization Center, Institution of Geophysics and Planetary Physics, Scripps Institution of Oceanography
SCRIPPS/IOD/CDIP > Coastal Data Information Program, Integrative Oceanography Division, Scripps Institution of Oceanography
SCRIPPS/JEDAC > Joint Environmental Data Analysis Center, Scripps Institution of Oceanography
SCRIPPS/MARINE > Marine Physical Laboratory, Scripps Institution of Oceanography
SCRIPPS/MLRG > Marine Life Research Group, Scripps Institution of Oceanography
SCRIPPS/ODF > Oceanographic Data Facility, Scripps Institution of Oceanography
SCRIPPS/PORD > Physical Oceanography Research Division, Scripps Institution of Oceanography
SCRIPPS/SOPAC > Scripps Orbit and Permanent Array Center, Scripps Institution of Oceanography
SCRIPPS/SSF > Satellite Facility, Scripps Institution of Oceanography
SCSU/ESC > Department of Earth Sciences, Southern Connecticut State University
SCSU/SETS/BIO > Department of Biological Sciences, School of Engineering Technology and Sciences, South Carolina State University
SD-STATE/ABS/AES > Agricultural Experiment Station, College of Agriculture and Biological Sciences, South Dakota State University
SD-STATE/SDSMT > School of Mines and Technology, South Dakota State University
SDI/P > Pollen.com, Surveillance Data, Inc.

SE/IRF-K/AFP > Atmospheric Research Programme, Swedish Institute of Space Physics in Kiruna, Sweden
SE/ME/SMHI > Swedish Meteorological and Hydrological Institute, Ministry of the Environment , Sweden
SE/SGU > Geological Survey of Sweden, Sweden
SEA-COOS > Southeast Atlantic Coastal Ocean Observing System
SEDAC > Socioeconomic Data and Applications Center
SEI > Stockholm Environment Institute-Boston Center
SEPM > Society for Sedimentary Geology
SFU-CA/GEOG > Geography Department, Simon Fraser University
SI/GSS > Geophysical Survey of Slovenia
SI/GVP > Global Volcanism Program, Smithsonian Institution
SI/NMNH > National Museum of Natural History, Smithsonian Institution
SI/NMNH/DSB/BOTANY > Botany Section, Department of Systematic Biology, National Museum of Natural History, Smithsonian Institution
SI/NMNH/ENTO > Entomology Department, National Museum of Natural History, Smithsonian Institution
SI/SERC > Smithsonian Environmental Research Center, Smithsonian Institution
SI/STRI/MESP > Marine Environment Sciences Program, Smithsonian Tropical Research Institute, Smithsonian Institution
SII > Sirenian International, Inc.
SINAUER > Sinauer Associates, Inc.
SIU-CARBONDALE/GEOL > Department of Geology, Southern Illinois University - Carbondale
SIU/MICRO-BIO > Department of Microbiology, Southern Illinois University
SKIO > Skidway Institute of Oceanography
SLU/SOILS > Department of Soil Science, Swedish University of Agricultural Sciences
SMLTD > Spatial Mapping Ltd.
SMLTD/RESMAP > ResMap,Spatial Mapping Ltd.
SMRL > Seaconsult Marine Research Ltd.
SMU/GEOL > Department of Geology, Saint Mary's University
SOFTMAP > SoftMap Publishing Inc.
SOL > SoL Energy
SOS/ALLIANCE > Southern Oxidants Study Strategic Alliance
SOURCEFORGE > SourceForge.net
SPOT/FR > SPOT Image Corporation, France
SPOT/US > SPOT Image Corporation, US
SPS > Space Research Software
SR/SRCC > Southern Region Climate Center
SRBC > Susquehanna River Basin Commission
SRC > Syracuse Research Corporation
SSC/ESRANGE > Esrange Satellite Station, Swedish Space Corporation
SSC/SATELLITBILD > Satellitbild, Swedish Space Corporation
SSI/SWC > Space Weather Center, Space Science Institute
SSS > Silicon Spaceships
SSSA > Soil Science Society of America
ST-OLAF/CEGSIC > Center for Geophysical Studies of Ice and Climate, St. Olaf College
STANFORD-U/CSSA/WSO > Wilcox Solar Observatory, Center for Space Science and Astrophysics, Stanford University
STANFORD-U/IIS/CESP > Center for Environmental Science and Policy, Institute for International Studies, Stanford University
STANFORD-U/JRBP/LSSFS > Leslie Shao-ming Sun Field Station, Jasper Ridge Biological Preserve, Stanford University
STANFORD-U/SES/GES > Department of Geological and Environmental Sciences, School of Earth Sciences, Stanford University
STANFORD-U/SES/MARVE > Marine Virtual Explorer, School of Earth Sciences, Stanford University
STANFORD-U/SES/SCRF > Stanford Center for Reservoir Forecasting, School of Earth Sciences, Stanford University
STANFORD-U/SHA > Stanford Helioseismology Archive, Stanford University
STANFORD-U/STAR/VLF > Very Low Frequency Group, STARLab, Stanford University
STD > Solar Terrestrial Dispatch
STEVENS/CIESE > Center for Improved Engineering and Science Education, Stevens Institute of Technology
STRATEGIES > Institute for Global Environmental Strategies
SUNY-BINGHAMTON/BIO > Department of Biological Sciences, State University of New York, Binghamton
SUNY-BINGHAMTON/GCCF > GIS Campus Core Facility, State University of New York, Binghamton
SUNY-BUFFALO/PHYS > Department of Physics, State University of New York, Buffalo
SWRI > Southwest Research Institute
SWRI/IDDS > IMAGE Data Delivery System, Southwest Research Institute
SYRACUSE/ES/TGIGRG > Thermochronology, Geochronology, and Isotope Geochemistry Research Group, Department of Earth Sciences, Syracuse University
TAC > Aerospace Corporation
TAIR > The Arabidopsis Information Resource
TAMU/BAEN > Biological & Agricultural Engineering, Texas A&M University
TAMU/BAEN/DFS/SSL > Spatial Sciences Laboratory, Department of Forest Science, Biological & Agricultural Engineering, Texas A&M University
TAMU/BWG > Bioinformatics Working Group, Texas A&M University
TAMU/CGS/ODP > Ocean Drilling Program, College of Geosciences, Texas A&M University
TAMU/ENTO > Department of Entomology, Texas A&M University

TAMU/GERG > Geochemical & Environmental Research Group, Texas A&M University
TAMU/OCEAN > Department of Oceanography, Texas A&M University
TAMUCC/CVEP > Cabeza de Vaca Earthmobile Project, Texas A&M University-Corpus Christi
TAMUCC/DNR > Division of Nearshore Research, Texas A&M University-Corpus Christi
TCS > The Climate Source, Inc.
TELEMOR > Telemorphic, Inc.
TERC > TERC
TGS > TEXAS GEOGRAPHIC SOCIETY
THE MIT PRESS > MIT Press
TN/DEC > Department of Environment and Conservation, Tennessee
TNC/GIS > GIS, The Nature Conservancy
TNRIS > Texas Natural Resources Information System
TOLWEB > Tree of Life Web Project
TOWSON-U/CGIS > Center for Geographic Information Sciences, Towson University
TOWSON-U/CSM > College of Science and Mathematics, Towson University
TQ > Think Quest
TRENT/GEOG > Department of Geography, Trent University
TRINET > TriNet
TSC > Tropical Science Center
TTRS > Tall Timbers Research Center
TU-BERLIN/IWAWI > Institut für Wasserbau und Wasserwirtschaft, Technical University of Berlin
TUAT/FA/PF > Phytorn Facility, Faculty of Agriculture, Tokyo University of Agriculture and Technology
TUFTS/TIE > Tufts Institute of the Environment, Tufts University
TUFTS/VET/CCM > Center for Conservation Medicine, Tufts Cummings School of Veterinary Medicine, Tufts University
TVA > Tennessee Valley Authority
TVA/ERC > Environmental Research Center, Tennessee Valley Authority
TWC > The Weather Channel
TWS > The Wilderness Society
TX/RRC > Railroad Commission, Texas
TX/TCEQ/WQ > Water Quality Division, Texas Commission on Environmental Quality, Texas
TZ/MEM/MRD > Mineral Resources Department, Ministry of Energy and Minerals, Tanzania
U-ADELAIDE/GISCA > National Key Centre of Research and Teaching in Social Applications of GIS, University of Adelaide
U-AMSTERDAM/IBED > Institute for Biodiversity and Ecosystem Dynamics, University of Amsterdam
U-BERGEN/GEOG > Geography Department, University of Bergen
U-BERN/PI/CEP > Climate and Environmental Physics, Physics Institute, University of Bern
U-BOURGOGNE/CRC > Centre for Climatic Research, University of Bourgogne
U-BREMEN/IUP > Institute of Environmental Physics and Remote Sensing, University of Bremen
U-CADIZ/FA > Departamento Física Aplicada, Universidad de Cadiz
U-CRANFIELD/SILSOE/NSRI > National Soil Resources Institute, University of Cranfield, Silsoe
U-GOETTINGEN/GEOG-INST/P-GEOG > Department of Physical Geography, Geographical Institute, University of Goettingen
U-HELSINKI/DPS/DOG > Division of Geophysics, Department of Physical Sciences, University of Helsinki, Finland
U-HELSINKI/GEOL > Department of Geology, University of Helsinki, Finland
U-HOUSTON/GEOSCI > Department of Geoscience, University of Houston
U-KASSEL/AG/NRCEH > National Research Center for Environment and Health, Faculty of Agriculture, University of Kassel
U-KASSEL/CES > Center for Environmental Systems, University of Kassel
U-LAPLAND/AC > Arctic Centre, University of Lapland, Finland
U-LIEGE/GHER/MODB > Mediterranean Oceanic Data Base, GeoHydrodynamics and Environmental Research, University of Liege
U-LIVERPOOL/BIO/PEML > Port Erin Marine Laboratory, Biology Department, University of Liverpool, UK
U-LJUBLJANA/BIOTECH/WOOD > Department of Wood Science and Technology, Biotechnical Faculty, University of Ljubljana
U-MANCHESTER/MIMAS > Manchester Information and Associated Services, University of Manchester
U-MEMPHIS/ES > Department of Earth Science, University of Memphis
U-MEMPHIS/GWI > Ground Water Institute, University of Memphis
U-MIAMI/RSMAS > Rosenstiel School of Marine and Atmospheric Science, University of Miami
U-MIAMI/RSMAS/MGGD/GEOD-L > Geodesy Laboratory, Marine Geology and Geophysics Division, Rosenstiel School of Marine and Atmospheric Science, University of Miami
U-NCL/EDDI > European Diatom Database, University of Newcastle, UK
U-OREGON/GS > Department of Geological Sciences, University of Oregon
U-OREGON/ISE > Institute for a Sustainable Environment, University of Oregon
U-OSLO/ITA > Institute of Theoretical Astrophysics, University of Oslo, Norway
U-OTTAWA/GEOG > Department of Geography, University of Ottawa
U-PUNE/BIOINFO > Bioinformatics Centre, University of Pune, India
U-READING/SPS/CPDS > Centre for Plant Diversity and Systematics, School of Plant Sciences, University of Reading
U-REDLANDS/RI/SSDP > Salton Sea Database Program, Redlands Institute, University of Redlands
U-SOTON/SOBS > School of Biological Sciences, University of Southampton, UK
U-SOTON/SOC > Southampton Oceanography Centre, University of Southampton
U-SOTON/SOC/RAPID > Rapid Climate Change, Southampton Oceanography Centre, University of Southampton

U-STRATH/STAMS > Department of Statistics and Modelling Science, University of Strathclyde, UK
U-SURREY/CVSSP > Centre for Vision, Speech, and Signal Processing, University of Surrey
U-SYDNEY/COLEO > Coleoptera, University of Sydney
U-SYDNEY/SSIU > Spatial Science Innovation Unit, University of Sydney
U-TARTU/EMI > Estonian Marine Institute, University of Tartu
U-TOKYO/CSDIC-IIS > CEOP Satellite Data Integration Center, Institute of Industrial Science, University of Tokyo
U-TOKYO/ORI > Ocean Research Institute, University of Tokyo
U-TOKYO/VRC-ERI > Volcanic Research Center, Earthquake Research Institute, University of Tokyo
U-TROMSO/NCFS > Norwegian College of Fishery Science, University of Tromsø
U-UTAH/MET > Department of Meteorology, University of Utah
U-VIENNA/FSM/IECB > Institute of Ecology and Conservation Biology, Faculty of Sciences and Mathematics, University of Vienna
U-WALES-SWAN/BIO > Biological Science Department, University of Wales - Swansea
U-WAU/MATH-S > School of Mathematics and Statistics, University of Western Australia
U-YORK/CELP > Centre for Ecology, Law and Policy, The University of York
UA/NASC > National Antarctic Scientific Centre of the Ukraine
UA/UAS/IBSS > Institute of Biology of the Southern Seas, Ukrainian Academy of Science, Ukraine
UA/UAS/MHI > Marine Hydrophysical Institute, Ukrainian Academy of Sciences, Ukraine
UAK > University of Alaska, School of Fisheries
UAK-F/BW/IAB > Institute of Arctic Biology, Biology & Wildlife, University of Alaska Fairbanks
UAK-F/GI > Geophysical Institute, University of Alaska, Fairbanks
UAK-F/GI/GDC > GeoData Center, Geophysical Institute, University of Alaska Fairbanks
UAK-F/INE/WERC > Water and Environmental Research Center, Institute of Northern Engineering, University of Alaska, Fairbanks
UAK-F/SALMON > Sea-Air-Land Modeling and Observing Network, University of Alaska, Fairbanks
UAK-F/SFOS/ASG > Alaska Sea Grant, School of Fisheries and Ocean Sciences, University of Alaska - Fairbanks
UAK-F/SFOS/IMS > Institute of Marine Science, School of Fisheries and Ocean Sciences, University of Alaska Fairbanks
UAK-F/SNRAS/AFES/PRC > Palmer Research Center, Agriculture and Forestry Experiment Station, School of Natural Resources & Agricultural Science, University of Alaska Fairbanks
UAL-B/BIO > Department of Biology, University of Alabama, Birmingham
UAL-H/ATMOS > Department of Atmospheric Sciences, University of Alabama, Huntsville
UAL-H/ATMOS/ESSL > Earth System Science Laboratory, Department of Atmospheric Sciences, University of Alabama, Huntsville
UAL-H/ITSC > Information Technology and Systems Center, University of Alabama, Huntsville
UAL-H/ITSC/SUBSET > Subset, Information Technology and Systems Center, University of Alabama, Huntsville
UALBERTA/RR > Department of Renewable Resources, University of Alberta
UAM/DB > Departamento de Biología, Universidad Autónoma de Madrid
UARK/CAST > Center for Advanced Spatial Technologies, University of Arkansas
UAZ/AGLS/OALS > Office of Arid Lands Studies, College of Agriculture and Life Sciences, University of Arizona
UAZ/AGLS/OALS/ARIA > Arizona Regional Image Archive, Office of Arid Lands Studies, College of Agriculture and Life Sciences, University of Arizona
UAZ/AGLS/OALS/RV > RangeView, Office of Arid Lands Studies, College of Agriculture and Life Sciences, University of Arizona
UAZ/AGLS/SRNR > School of Renewable Natural Resources, College of Agriculture and Life Sciences, University of Arizona
UAZ/AGLS/SWES > Soil, Water and Environmental Science, College of Agriculture and Life Sciences, University of Arizona
UAZ/AGLS/SWES/AZMET > The Arizona Meteorological Network, Soils, Water and Environmental Science Department, College of Agriculture and Life Sciences, University of Arizona
UAZ/AGLS/WRRC > Arizona Water Resources Research Center, College of Agriculture and Life Sciences, The University of Arizona
UAZ/GEOSCI > Department of Geosciences, University of Arizona
UAZ/GEOSCI/RADIOCARBON > Radiocarbon, Department of Geosciences, University of Arizona
UB-ES/FGEO/DGG > Departamento Geodinámica y Geofísica, Facultat de Geologia, Universitat de Barcelona
UBC/FOR > Forestry, University of British Columbia
UBIRM/PHYS-AST/AST-SP > Astrophysics and Space Research Group, School of Physics and Astronomy, University of Birmingham, UK
UBO-IUEM/LOC-CHIMAR > Laboratoire de Chimie Marine (CHIMAR), Institut Universitaire Européen de la Mer (IUEM), Université de Bretagne Occidentale (UBO)
UBONN/GEOG/GIS > GIS and Remote Sensing, Department of Geography, Universität Bonn
UC-BERKELEY/BSL/NCEDC > Northern California Earthquake Data Center, Berkeley Seismological Laboratory, University of California, Berkeley
UC-BERKELEY/CAMFER > Center for the Assessment and Monitoring of Forest and Environmental Resources, University of California, Berkeley
UC-BERKELEY/CEDR/REGIS > Research Program in Environmental Planning and Geographic Information Systems, Center for Environmental Design Research, University of California, Berkeley
UC-BERKELEY/CNR/ESPM > Department of Environmental Science, Policy and Management, College of Natural Resources, University of California, Berkeley
UC-BERKELEY/CS/DLP > Digital Library Project, Computer Science, University of California, Berkeley
UC-BERKELEY/ERG > Energy and Resources Group, University of California, Berkeley
UC-BERKELEY/ESML > Earth Science and Map Library, University of California Berkeley
UC-BERKELEY/I-BIO > Department of Integrative Biology, University of California, Berkeley
UC-BERKELEY/M-PALEO > Museum of Paleontology, University of California, Berkeley
UC-BERKELEY/PHYSICS > Physics Department, University of California, Berkeley
UC-BERKELEY/SSL > Space Sciences Laboratory, University of California, Berkeley
UC-BERKELEY/SSL/CSE > Center for Science Education Space Sciences Laboratory, University of California at Berkeley
UC-BERKELEY/SSL/SPRG > Space Physics Research Group, Space Sciences Laboratory, University of California, Berkeley

UC-DAVIS/ANR/IPM > Integrated Pest Management Program, Agriculture and Natural Resources, University of California, Davis
UC-DAVIS/CAES/DEH/DENDROME > Dendrome, Department of Environmental Horticulture, College of Agriculture and Environmental Sciences, University of California, Davis
UC-DAVIS/CAES/LAWR/ATMO > Atmospheric Science, Department of Land, Air and Water Resources, College of Agriculture and Environmental Sciences, University of California, Davis
UC-DAVIS/CAES/POM > Department of Pomology, College of Agriculture and Environmental Sciences, University of California, Davis
UC-DAVIS/CNL > Crocker Nuclear Laboratory, University of California, Davis
UC-DAVIS/DES/ICE > Information Center for the Environment, Department of Environmental Science and Policy, University of California, Davis
UC-DAVIS/DWFCB > Department of Wildlife and Fisheries Conservation Biology, University of California, Davis
UC-DAVIS/GEOL/PALEOMAG > Paleomagnetism Laboratory, Geology Department, University of California, Davis
UC-IRVINE/PHYSSCI/CHEM > Department of Chemistry, School of Physical Sciences, University of California, Irvine
UC-IRVINE/PHYSSCI/ESS > Earth System Science, School of Physical Sciences, University of California, Irvine
UC-LA/IGPP/SSC > Space Science Center, Institute of Geophysics and Planetary Physics, University of California, Los Angeles
UC-LA/SMBO > Santa Monica Bay Observatory, University of California, Los Angeles
UC-LONDON/GEOG > Department of Geography, University College London
UC-LONDON/SC-PHYS/MSSL > Mullard Space Sciences Laboratory, Department of Space and Climate Physics, University College London
UC-LOUVAIN/PHYS/IAGGL > Institut d'Astronomie et de Geophysique Georges Lemaitre, Departement de Physique Universite Catholique de Louvain
UC-RIVERSIDE/CNAS/ENVIRO > Environmental Science, College of Natural and Agricultural Sciences, University of California, Riverside
UC-RIVERSIDE/CNAS/ES > Department of Earth Science, College of Natural and Agricultural Sciences, University of California, Riverside
UC-SB/ADL > Alexandria Digital Library, University of California, Santa Barbara
UC-SB/BREN-ENVI/BIO-GEOG > BioGeography Lab, Donald Bren School of Environmental Science and Management, University of California, Santa Barbara
UC-SB/BREN-ENVI/EIL > Environmental Information Lab, Donald Bren School of Environmental Science & Management, University of California, Santa Barbara
UC-SB/GEOG/OPL > Ocean Physics Laboratory, Department of Geography, University of California, Santa Barbara
UC-SB/ICESS > Institute for Computational Earth System Science, University of California, Santa Barbara
UC-SB/NCEAS/KDE > Kids Do Ecology, National Center for Ecological Analysis and Synthesis, University of California, Santa Barbara
UC-SB/NCEAS/PDDB > Paleobiology Database, National Center for Ecological Analysis and Synthesis, University of California-Santa Barbara
UC-SB/NCGIA > National Center for Geographic Information and Analysis, University of California, Santa Barbara
UC-SC/BSOE/MATH-STAT > Applied Mathematics and Statistics, Baskin School of Engineering, University of California, Santa Cruz
UC-SC/EARTH-SCI > Earth Sciences Department, University of California, Santa Cruz
UC-SC/IMS > Institute of Marine Sciences, University of California, Santa Cruz
UC-SD/CHEM > Department of Chemistry and Biochemistry, University of California, San Diego
UC-SD/DFPM > Department of Family and Preventive Medicine, University of California, San Diego
UC-SD/IEK > ISS EarthKAM, University of California, San Diego
UC-SD/SDSC > San Diego Supercomputer Center, University of California, San Diego
UC-SEDE MEDELLIN/GEOSCI > School of Geoscience, University of Colombia, Sede Medellin
UCAR/COMET > Cooperative Program for Operational Meteorology, Education and Training, University Corporation for Atmospheric Research
UCAR/COSMIC/CDAAC > COSMIC Data Analysis and Archive Center, Constellation Observing System for Meteorology, Ionosphere and Climate, University Corporation for Atmospheric Research
UCAR/ESMF > Earth System Modeling Framework, University Corporation for Atmospheric Research
UCAR/JOSS > Joint Office for Science Support, University Corporation for Atmospheric Research
UCAR/JOSS/CEOPDM > CEOP Data Management/Joint Office for Science Support, University Corporation for Atmospheric Research
UCAR/JOSS/CODIAC > Cooperative Distributed Interactive Atmospheric Catalog System, Joint Office For Science Support, University Corporation for Atmospheric Research
UCAR/NCAR/ACD > Atmospheric Chemistry Division, National Center for Atmospheric Research, University Corporation for Atmospheric Research
UCAR/NCAR/ATD > Atmospheric Technology Division, National Center for Atmospheric Research, University Corporation for Atmospheric Research
UCAR/NCAR/ATD/RDP > Research Data Program, Atmospheric Technology Division, National Center for Atmospheric Research, University Corporation for Atmospheric Research
UCAR/NCAR/ATD/RTF > Research Technology Facility, Atmospheric Technology Division, National Center for Atmospheric Research, University Corporation for Atmospheric Research
UCAR/NCAR/ATD/RTF/ISFF > Integrated Surface Flux Facility, Research Technology Facility, Atmospheric Technology Division, National Center for Atmospheric Research, UCAR
UCAR/NCAR/CGD > Climate and Global Dynamics Division, National Center for Atmospheric Research, University Corporation for Atmospheric Research
UCAR/NCAR/CGD/CAS > Climate Analysis Section, Climate and Global Dynamics Division, National Center for Atmospheric Research, University Corporation for Atmospheric Research
UCAR/NCAR/CGD/CCSM > Community Climate System Model, Climate and Global Dynamics Division, National Center for Atmospheric Research, University Corporation for Atmospheric Research
UCAR/NCAR/CGD/CMS > Climate Model Section, Climate and Global Dynamics Division, National Center for Atmospheric Research, University Corporation for Atmospheric Research
UCAR/NCAR/CGD/OCE > Oceanography Section, Climate and Global Dynamics Division, National Center for Atmospheric Research, University Corporation for Atmospheric Research
UCAR/NCAR/CGD/TSS > Terrestrial Sciences Section, Climate and Global Dynamics Division, National Center for Atmospheric Research, University Corporation for Atmospheric Research

UCAR/NCAR/EDOUT > Education and Outreach, National Center for Atmospheric Research, University Corporation for Atmospheric Research
UCAR/NCAR/EPO/E-BRIDGE > Educator's Bridge, Education and Outreach, National Center for Atmospheric Research, University Corporation for Atmospheric Research
UCAR/NCAR/ESIG > Environmental and Societal Impacts Group, National Center for Atmospheric Research, University Corporation for Atmospheric Research
UCAR/NCAR/HAO > High Altitude Observatory, National Center for Atmospheric Research, University Corporation for Atmospheric Research
UCAR/NCAR/HAO/CEDAR > Coupling, Energetics and Dynamics of Atmospheric Regions, High Altitude Observatory, National Center for Atmospheric Research, UCAR
UCAR/NCAR/MMM > Mesoscale and Microscale Meteorology, National Center for Atmospheric Research, University Corporation for Atmospheric Research
UCAR/NCAR/MMM/MPG > Mesoscale Prediction Group, Mesoscale and Microscale Meteorology, National Center for Atmospheric Research, University Corporation for Atmospheric Research
UCAR/NCAR/MMM/PPWS > Prediction Of Precipitating Weather Systems Group, Mesoscale and Microscale Meteorology, National Center for Atmospheric Research, UCAR
UCAR/NCAR/RAP > Research Application Program, National Center for Atmospheric Research, University Corporation for Atmospheric Research
UCAR/NCAR/SCD/DSS > Data Support Section, Scientific Computing Division, National Center for Atmospheric Research, University Corporation for Atmospheric Research
UCAR/NCAR/SCD/VETS > Visualization and Enabling Technologies Section, Scientific Computing Division, National Center for Atmospheric Research, UCAR
UCAR/NCAR/SCD/VETS/CDP > Community Data Portal, Visualization and Enabling Technologies Section, Scientific Computing Division, National Center for Atmospheric Research, University Corporation for Atmospheric Research
UCAR/UNIDATA > Unidata, University Corporation for Atmospheric Research
UCAR/W2U > Windows to the Universe, University Corporation for Atmospheric Research
UCHILE/FCFM/DFI > Departamento de fisica, Facultad de Ciencias Fisicas y Matematicas, Universidad de Chile, Chile
UCL/GEOENG/ICEDS > Integrated CEOS European Data Server, Department of Geomatic Engineering, University College London
UCM/BIO > Faculty of Biology, Universidad Complutense de Madrid
UCO/CEAS/CCAR > Colorado Center for Astrodynamics Research, College of Engineering and Applied Science, University of Colorado
UCO/CIRES > Cooperative Institute for Research in Environmental Sciences, University of Colorado
UCO/INSTAAR/QGISL > Quarternary GIS Laboratory, Institute of Arctic and Alpin Research, University of Colorado
UCO/LASP/CISM/KTG > Knowledge Transfer Group, Center for Integrated Space Weather Modelling, Laboratory for Atmospheric and Space Physics, University of Colorado
UCO/LASP/LISIRD > Lasp Interactive Solar Irradiance Datacenter, Laboratory for Atmospheric and Space Physics, University of Colorado
UCO/LASP/SEE > SEE Science Team, Laboratory for Atmospheric and Space Physics, University of Colorado
UCO/LASP/SNOE > Student Nitric Oxide Explorer, Laboratory for Atmospheric and Space Physics, University of Colorado
UCO/LASP/SORCE > SORCE Science Team, Laboratory for Atmospheric and Space Physics, University of Colorado
UCO/MAPSTEDI > MAPSTEDI, University of Colorado
UCO/NHC > Natural Hazards Center, University of Colorado
UCONN/CANR/CLEAR > Center for Land use Education And Research, College of Agriculture & Natural Resources, University of Connecticut
UCONN/CLEAR > Center for Land Use Education and Research, University of Connecticut
UCONN/ENGR > School of Engineering, University of Connecticut
UCONN/MARINE > Marine Science, University of Connecticut
UCT/OCEAN > Department of Oceanography, University of Cape Town
UDEC/EBMD > Estacion de Biologia Marina-Dichato, Universidad de Concepcion, Chile
UDEL/CMS > Graduate College of Marine Studies, University of Delaware
UDEL/GEOG/CCR > Center For Climate Research, Department of Geography, University of Delaware
UDEL/RDMS > Research Data Management Services, University of Delaware
UDEL/RDMS/DGIC/DIME > Delaware Internet-based Metadata Entry, Delaware Geospatial Information Clearinghouse, Research Data Management Services, University of Delaware
UDP/FCNET/CEREB > Centro de Estudios de Recursos Bioticos, Facultad de Ciencias Naturales, Universidad de Panama
UDPV/PHYS > Depto. Fisica Aplicada II, Universidad del Pais Vasco
UE-EDINBURGH/DL/EDINA > EDINA, Data Library, University of Edinburgh
UE-EDINBURGH/GEOG > Department of Geography, University of Edinburgh
UE-EDINBURGH/GEOG/TB > Tephabase, Department of Geography, University of Edinburgh
UEA/CRU > Climatic Research Unit, University of East Anglia
UFL/CDCP/GFPIRC > Geo-Facilities Planning & Information Center, College of Design Construction and Planning, University of Florida
UFL/GEOG > Geography Dept., University of Florida
UFL/IFAS > Institute of Food and Agricultural Sciences, University of Florida
UFL/IFAS/CAIP > Center for Aquatic and Invasive Plants, Institute of Food and Agricultural Sciences, University of Florida
UFL/IFAS/SFRC > School of Forest Resources and Conservation, Institute of Food and Agricultural Sciences, University of Florida
UFPR/CEM > Center of Studies of the Sea, Federal University of the Parana
UG/UWA > Uganda Wildlife Authority, Uganda
UGA/AG-ES/OI-AG > Office of International Agriculture, College of Agricultural and Environmental Sciences, University of Georgia
UGA/BAE > Department of Biological and Agricultural Engineering, University of Georgia
UGA/CAES/ENTO > Department of Entomology, College of Agricultural and Environmental Sciences, University of Georgia
UGA/NUVMC > National UV Monitoring Center, University of Georgia
UH&I-UK/SAMS > Scottish Association for Marine Science, University of Highlands and Islands, UK

UHI/DB > Department of Botany, University of Hawaii
UHI/IA/MSO > Mees Solar Observatory, Institute for Astronomy, University of Hawaii
UHI/IA/SOLAR > Solar Group, Institute for Astronomy, University of Hawaii
UHI/SOEST/GG > Department of Geology and Geophysics, School of Ocean and Earth Science and Technology, University of Hawaii
UHI/SOEST/GG/CG > Coastal Geology, Department of Geology and Geophysics, School of Ocean and Earth Science and Technology, University of Hawaii
UHI/SOEST/GMT > Generic Mapping Tools, School of Ocean and Earth Science and Technology, University of Hawaii
UHI/SOEST/HIGP > Hawaii Institute of Geophysics and Planetology, School of Ocean and Earth Science and Technology, University of Hawaii
UHI/SOEST/HIMB > Hawaii Institute of Marine Biology, School of Ocean and Earth Science and Technology, University of Hawaii
UHI/SOEST/IPRC > International Pacific Research Center, School of Ocean and Earth Science and Technology, University of Hawaii
UHI/SOEST/IPRC/APDRC > Asia-Pacific Data-Research Center, International Pacific Research Center, School of Ocean and Earth Science and Technology, University of Hawaii
UHI/SOEST/JIMAR > Joint Institute for Marine and Atmospheric Research, School of Ocean and Earth Science and Technology, University of Hawaii
UHI/SOEST/METEO > Meteorology Department, School of Ocean and Earth Science and Technology, University of Hawaii
UHI/SOEST/OCEAN > Department of Oceanography, School of Ocean and Earth Science and Technology, University of Hawaii
UHI/SOEST/OCEAN/JASADCP > Joint Archive for Shipboard Acoustic Doppler Current Profiler Center, Oceanography Dept., School of Ocean and Earth Science and Technology, University of Hawaii
UHI/SOEST/OCEAN/LMO > Laboratory for Microbiological Oceanography, Oceanography Department, School of Ocean and Earth Science and Technology, University of Hawaii
UHI/SOEST/OCEAN/SAT-LAB > Satellite Oceanography Laboratory, Oceanography Department, School of Ocean and Earth Science and Technology, University of Hawaii
UHI/SOEST/OCEAN/SLC > Sea Level Center, Oceanography Department, School of Ocean and Earth Science and Technology, University of Hawaii
UHI/SOEST/OCEAN/SLC/JASL > Joint Archive for Sea Level, Sea Level Center, Oceanography Department, School of Ocean and Earth Science and Technology, University of Hawaii
UI-UC/AGECON/SAL > Spatial Analysis Laboratory, Department of Agricultural and Consumer Economics, University of Illinois at Champaign
UI-UC/ATMO > Department of Atmospheric Sciences, University of Illinois at Urbana-Champaign
UI-UC/CACES/CROPSCI > Department of Crop Sciences, College of Agricultural, Consumer, and Environmental Sciences, University of Illinois at Urbana-Champaign
UI-UC/EX-OR > Office of Extension and Outreach, University of Illinois at Urbana-Champaign
UI-UC/GMS > Geographic Modeling Systems, University of Illinois at Urbana-Champaign
UI-UC/NCSA > The National Center for Supercomputing Applications, University of Illinois at Urbana-Champaign
UI-UC/SIB > School of Integrative Biology, University of Illinois at Urbana-Champaign
UIA/PHYS > Department of Physics & Astronomy, University of Iowa
UIA/WNP > WiderNet Project, University of Iowa
UID/CAMBR > Center for Advanced Microelectronics and Biomolecular Research, University of Idaho
UID/CNR/FR > Forest Resources, College of Natural Resources, University of Idaho
UID/CNR/FRAMES > Fire Research And Management Exchange System, College of Natural Resources, University of Idaho
UKS/GEOL > Department of Geology, University of Kansas
UKS/KARS > Kansas Applied Remote Sensing Program, University of Kansas
UKS/NHMBRC > Natural History Museum and Biodiversity Research Center, University of Kansas
UKS/NHMBRC/PALEOBOT > Division of Paleobotany, Natural History Museum and Biodiversity Research Center, University of Kansas
UKY/APPAL-CENTER > Appalachian Center, University of Kentucky
ULG/AGO/COU > Chemical Oceanography Unit, Department of Astrophysics Geophysics and Oceanography, Universite de Liege
ULP/EOST > ECOLE ET OBSERVATOIRE DES SCIENCES DE LA TERRE (EOST), UNIVERSITE LOUIS PASTEUR STRASBOURG (ULP)
UMAINE/CLIMATE > Climate Change Institute, University of Maine
UMAINE/DES > Department of Earth Sciences, University of Maine
UMAINE/NSFA > College of Natural Sciences, Forestry, and Agriculture, University of Maine
UMAINE/SMS > School of Marine Sciences, University of Maine
UMAINE/SMS/DMC > Darling Marine Center, School of Marine Science, University of Maine
UMASS-A/GEOSCI > Department of Geosciences, University of Massachusetts, Amherst
UMASS-A/LEP > Landscape Ecology Program, University of Massachusetts, Amherst
UMBC/ICET/UMBC > Joint Center for Earth Systems Technology, University of Maryland, Baltimore Campus
UMCES/HPL > Horns Point Laboratory, University of Maryland Center for Environmental Science
UMD/ASTRO/BIMA > Berkeley Illinois Maryland Association, Astronomy Department, University of Maryland
UMD/ESSIC > Earth System Science Interdisciplinary Center, University of Maryland
UMD/GEOG > Geography Department, University of Maryland
UMD/GEOG/LCRS > Land Cover and Remote Sensing, Geography Department, University of Maryland
UMD/GEOG/LGRSS > Laboratory for Global Remote Sensing Studies, Geography Dept., University of Maryland
UMD/GLCF > Global Land Cover Facility, University of Maryland
UMD/IPST/UAP > Space and Upper Atmosphere Physics, Institute for Physical Science and Technology, University of Maryland
UMD/MDSG > Maryland Sea Grant, University of Maryland
UMD/METEO > Meteorology Department, University of Maryland
UMD/PD/SPG/IMP8 > IMP-8, Space Physics Group, Physics Department, University of Maryland
UMD/PD/SPG/WIND > WIND, Space Physics Group, Physics Department, University of Maryland
UMICH/CLSA/GEOL > Department of Geology, College of Literature, Science and the Arts, University of Michigan
UMICH/ENG/CSEM > Center for Space Environment Modeling, College of Engineering, University of Michigan

UMICH/NAME > Department of Naval Architecture and Marine Engineering, University of Michigan
UMICH/SNRE > School of Natural Resources and Environment, University of Michigan
UMICH/SPRL/TIDI > TIDI Science Team, Space Physics Research Laboratory, University of Michigan
UMICH/UMMZ/ADW > Animal Diversity Web, Museum of Zoology, University of Michigan
UMN-D/GEOL > Department of Geological Sciences, University of Minnesota, Duluth
UMN/CNR/FOR/CFC > Cloquet Forestry Center, Department of Forestry, College of Natural Resources, University of Minnesota
UMN/DFR/TERRASIP > TerraSIP, Department of Forest Resources, University of Minnesota
UMN/IPM > Integrated Pest Management, University of Minnesota
UMN/IT/ME > Department of Mechanical Engineering, Institute of Technology, University of Minnesota
UMO-COLUMBIA/CA/CARES > Center for Agricultural, Resource and Environmental Systems, College of Agriculture, University of Missouri - Columbia
UMO-COLUMBIA/SNR/SEAS > Soil Environmental Atmospheric Sciences, School of Natural Resources, University of Missouri-Columbia
UMT/BIO/INVADER > Invaders, Division of Biological Sciences, University of Montana
UMT/EOSTC > EOS Training Center, University of Montana
UMT/NLCEP > National Lewis and Clark Education Project, University of Montana
UMT/SF/NTSG > Numerical Terradynamic Simulation Group, School of Forestry, University of Montana
UN/CARTO > Cartographic Section, United Nations
UN/CSB > Cyberschoolbus, United Nations
UN/FAO/AG/AGA/AGAH/IDG > Infectious Diseases Group, Animal Health Service, Animal Production & Health Division, Agricultural Department, Food & Agriculture Organization, United Nations
UN/FAO/AG/AGPC > Crop and Grassland Service, Agriculture Department, Food and Agriculture Organization, United Nations
UN/FAO/AGL > Land and Water Development Division, Food and Agriculture Organization, United Nations
UN/FAO/AGL/LAND > Land and Plant Nutrition Management Service, Land and Water Development Division, Food and Agriculture Organization, United Nations
UN/FAO/AGL/LAND/WRB > World Reference Base, Land and Plant Nutrition Management Service, Land and Water Development Division, Food and Agriculture Organization, United Nations
UN/FAO/AGL/WRMDS > Water Resources, Management and Development Service, Land and Water Development Division, Food and Agriculture Organization, United Nations
UN/FAO/FAOSTAT > FAO Statistical Databases, Food and Agriculture Organization, United Nations
UN/FAO/FISH > Fisheries Department, Food and Agriculture Organization of the United Nations
UN/FAO/GEONETWORK > GeoNetwork, Food and Agriculture Organization, United Nations
UN/FAO/GTOS > Global Terrestrial Observing System, Food and Agriculture Organization, United Nations
UN/FAO/GTOS/TEMS > Terrestrial Ecosystem Monitoring Sites, Global Terrestrial Observing System, Food and Agriculture Organization, United Nations
UN/FAO/GWIES > Global Warning and Information System, Food and Agriculture Administration, United Nations
UN/FAO/IAEA > International Atomic Energy Agency, Food and Agriculture Organization, United Nations
UN/FAO/PIC > Prior Informed Consent, Food and Agriculture Organization, United Nations
UN/FAO/SD > Sustainable Development Department, Food and Agriculture Organization of the United Nations
UN/FAO/SD/ENV/METART > METART, Environment, Sustainable Development Department, Food and Agriculture Organization, United Nations
UN/FAO/WAICENT > World Agricultural Information Centre, Food and Agriculture Organization, United Nations
UN/OC-ATL > Ocean Atlas, United Nations
UN/POPIN > Population Information Network, United Nations
UN/WHO/DEHA > Department of Emergency and Humanitarian Action, World Health Organization, United Nations
UN/WHO/GLOBALATLAS > Global Atlas, World Health Organization, United Nations
UN/WMO > World Meteorological Organization, United Nations
UNAVCO > UNAVCO
UNB/GEOL/PASSC > Planetary and Space Science Centre, Department of Geology, University of New Brunswick
UNC-WILMINGTON/SMEC > Science and Mathematics Education Center, University of North Carolina at Wilmington
UND/UMAC > Upper Midwest Aerospace Consortium, University of North Dakota
UNE-L/ANDRILL > Antarctic Drilling Program, University of Nebraska, Lincoln
UNE-L/CALMIT > Center for Advanced Land Management Information Technologies, University of Nebraska, Lincoln
UNE-L/CASDE > Consortium for the Application of Space Data to Education, University of Nebraska, Lincoln
UNE-L/NDMC > National Drought Mitigation Center, University of Nebraska, Lincoln
UNE-L/PANHANDLE > Panhandle Research and Extension Center, University of Nebraska, Lincoln
UNE-L/SNR/NESEN > Nebraska Earth Science Education Network, School of Natural Resources, University of Nebraska, Lincoln
UNE-O/CASDE > Consortium for the Application of Space Data to Education, University of Nebraska, Omaha
UNEP/AP/RRC > Regional Resource Centre, Asia and the Pacific, United Nations Environment Programme
UNEP/DEWA/GRID-EUROPE > Global Resource Information Database - Geneva, Division of Early Warning and Assessment, United Nations Environment Programme
UNEP/GRID-ARENDAL > Global Resource Information Database - Arendal, United Nations Environment Programme
UNEP/GRID-ARENDAL/BSR > Baltic Sea Region, Global Resource Information Database - Arendal, Norway, United Nations Environment Programme
UNEP/GRID-BRAZIL > Global Resource Information Database - Sao Jose dos Campos, Brazil, United Nations Environment Programme
UNEP/GRID-KATHMANDU > Global Resource Information Database - Kathmandu, United Nations Environment Programme
UNEP/GRID-KUWAIT > Global Resource Information Database - Kuwait, United Nations Environment Programme
UNEP/GRID-SIOUX FALLS > Global Information Database - Sioux Falls, United Nations Environment Programme
UNEP/GRID-TSUKUBA > Global Resource Information Database - Tsukuba, United Nations Environment Programme

UNEP/GRID-WARSAW > UNEP - Global Resource Information Database - Warsaw, United Nations Environment Programme
UNEP/GRID/IETC > International Environmental Technology Centre, Global Resource Information Database, United Nations Environment Programme
UNEP/GRID/PAC > Programme Activity Centre, Global Resource Information Database, United Nations Environment Programme
UNEP/INFOTERRA > INFOTERRA, United Nations Environment Programme
UNEP/WCMC > World Conservation Monitoring Centre, United Nations Environment Programme
UNEP/WCMC/PAP > Protected Areas Programme, World Conservation Monitoring Centre, United Nations Environment Programme
UNESCO/IHP > International Hydrological Programme, United Nations Educational, Scientific and Cultural Organization
UNESCO/IHP/LAC > Latin America and the Caribbean, International Hydrological Programme, United Nations Educational, Scientific and Cultural Organization
UNESCO/IOC > Intergovernmental Oceanographic Commission, United Nations Educational, Scientific and Cultural Organization
UNESCO/IOC/ODE > International Oceanographic Data and Information Exchange, IOC, United Nations Educational, Scientific and Cultural Organization
UNESCO/MAB > Man and the Biosphere Program, United Nations Educational, Scientific and Cultural Organization
UNESCO/PUB > Publishing, United Nations Educational, Scientific and Cultural Organization
UNFCCC > United Nations Framework Convention on Climate Change
UNFPA > United Nations Population Fund
UNH/CICEET > Cooperative Institute for Coastal and Estuarine Environmental Technology, University of New Hampshire
UNH/EOS > Institute for the Study of Earth, Oceans, and Space, University of New Hampshire
UNH/EOS/CCRC/NICL-SMO > National Ice Core Laboratory Science Management Office, Climate Change Research Center, Institute for the Study of Earth, Oceans, and Space, University of New Hampshire
UNH/EOS/COOA/WEBCOAST > WEBCOAST, Center for Coastal Ocean Observation and Analysis, Institute for the Study of Earth, Oceans, and Space, Univ. of New Hampshire
UNH/EOS/CSRC/EOSWEBSTER > EOS-WEBSTER, Complex Systems Research Center, Institute for the Study of Earth, Oceans, and Space, Univ. of New Hampshire
UNH/EOS/CSRC/FW > Forest Watch, Complex Systems Research Center, Institute for the Study of Earth, Oceans, and Space, Univ. of New Hampshire
UNH/EOS/CSRC/WATSYS > Water Systems Analysis Group, Complex Systems Research Center, Institute for the Study of Earth, Oceans, and Space, University of New Hampshire
UNH/EOS/MVH > Measuring Vegetation Health, Institute for the Study of Earth, Oceans, and Space, University of New Hampshire
UNH/EOS/SSC/IMP8 > IMP-9 CNRC, Space Science Center, Institute for the Study of Earth, Oceans, and Space, University of New Hampshire
UNH/GMWICS > Gulf of Maine Watershed Information and Characterization System, University of New Hampshire
UNI-HAMBURG/BIO/IHFS > Institute of Hydrobiology and Fishery Science, Faculty of Biology, University of Hamburg
UNI-HAMBURG/METEO-I > Meteorological Institute, University of Hamburg, Germany
UNI-KIEL/IFM > Institut fuer Meereskunde, University of Kiel, Germany
UNI/DES/STORM > Science Center for Teaching, Outreach, and Research on Meteorology, Department of Earth Science, University of Northern Iowa
UNIBO/CIAM > Universita di Bologna, Dipartimento di Chimica (Giacomo Ciamician), Italy
UNIBO/DISTART > Universita di Bologna, Dipartimento di Ingegneria delle Strutture, dei Trasporti, delle Acque, del Rilevamento del Territorio, Italy
UNICAMP/IB > Instituto de Biologia, Universidade de Campinas
UNIMI/FISICA > Dipartimento di Fisica, Universita degli Studi di Milano, Italy
UNIPD/BIOLOGIA > Dipartimento di Biologia, Univerista di Padova, Padova, Italy
UNIROMA/BIOLOGIA > Universita degli Studi di Roma 'Tor Vergata', Dipartimento di Biologia, Rome, Italy
UNIROMA/CHIMICA > Universita degli Studi di Roma 'La Sapienza', Dipartimento di Chimica, Rome, Italy
UNIROMA/DBV > Unversita degli Studi di Roma 'La Sapienza', Dipartimento di Biologia Vegetale, Rome, Italy
UNIROMA/FISICA > Universita degli Studi di Roma 'La Sapienza', Dipartimento di Fisica, Rome, Italy
UNIROMATRE/FIS > Dipartimento di Fisica E. Amaldi, Universita Degli Studi Roma Tre, Rome, Italy
UNISI/DSA > Dipartimento di Scienze Ambientali (G. Sarfatti), Universita Delgi Studi di Siena, Italy
UNISI/DST > Dipartimento di Scienze Della Terra, Universita Degli Studi di Siena, Italy
UNISYS/WS > Weather Services, UNISYS Corporation
UNITO/CHIMICA > Dipartimento di Chimica Analitica, Universita Degli Sudi di Torino, Torino, Italy
UNITO/DFG/GEOFIT > Department of General Physics, University of Turin, Italy
UNIV-MRS/CNRS-LMGEM > Laboratoire de Microbiologie, Geochimie et Ecologie Marines, CNRS/Universite de la Mediterranee
UNIV-PARIS/CCR/LBCM > Laboratoire de Biogeochimie et Chimie Marine, Centre de Calcul Recherche et Reseau Jussieu, Universite Pierre et Marie Curie (Paris VI)
UNIV-PARIS/IPGP > Institut de Physique du Globe de Paris, Universite de Paris VII
UNIV-PARIS/LODYC > Laboratoire d'Océanographie Dynamique et de Climatologie (LODYC), Universite de Pierre et Marie Curie (Paris VI)
UNIVAQ/FISICA > Dipartimento di Fisica, Universita degli Studi di L'Aquila, Italy
UNIVE/DSA > Universita Ca' Foscari Venezia, Dipartimento di Scienze Ambientali, Venice, Italy
UNLP/FCAGLP > Facultad de Ciencias Astronomicas y Geofisicas, Universidad Nacional de La Plata
UNM/EDAC > Earth Data Analysis Center, University of New Mexico
UNM/EDAC/EDACESIP > EDAC ESIP, Earth Data Analysis Center, University of New Mexico
UNM/EPS/IOM > Institute of Meteoritics, Department of Earth and Planetary Sciences, University of New Mexico
UNO/BIO/BBC > Biodiversity and Biological Collections, Biology Department, University of New Orleans
UNV-RENO/BD/BRRC > Biological Resources Research Center, Department of Biology, University of Nevada, Reno
UOK/CAPS > Center for Analysis and Prediction of Storms, University of Oklahoma
UP > UNIVERSITY OF PLYMOUTH, UK

UPATRAS/CIVIL > Department of Civil Engineering, University of Patras
UPM/MATH > Departamento de Matematica Aplicada de la Informacion, Universidad Politecnica de Madrid
URI/GSO > Graduate School of Oceanography, University of Rhode Island
URI/GSO/CACS > Center for Atmospheric Chemistry Studies, Graduate School of Oceanography, University of Rhode Island
URI/GSO/MAEWEST > Maewest, Graduate School of Oceanography, University of Rhode Island
URI/GSO/PO-RS > Physical Oceanography and Remote Sensing, Graduate School of Oceanography, University of Rhode Island
URI/GSO/PO/RAFOS > RAFOS Float Group, Physical Oceanography Department, Graduate School of Oceanography, University of Rhode Island
URI/NRS > Department of Natural Resources Science, University of Rhode Island
URI/PLS > Department of Plant Sciences and Entomology, College of the Environment and Life Sciences, University of Rhode Island
URL/OE > Observatori de l'Ebre, Universitat Ramon Llull
USASK/GIS > GIS Services, University of Saskatchewan
USAT > USA TODAY
USC/BARUCH/BMFL > Baruch Marine Field Laboratory, Belle W. Baruch Institute for Marine and Coastal Sciences, University of South Carolina
USC/BARUCH/BMFL/NIWB > North Inlet-Winyah Bay Reserve, Baruch Marine Field Laboratory, Belle W. Baruch Institute for Marine and Coastal Sciences, University of South Carolina
USC/BIO > Department of Biological Sciences, University of South Carolina
USC/GEOG > Department of Geography, University of South Carolina
USC/GEOL/SEIS > Seismology, Department of Geological Sciences, University of South Carolina
USDA > U. S. Department of Agriculture
USDA/ADDS > Agricultural Databases for Decision Support, U.S. Department of Agriculture
USDA/APHIS/PPQ > Animal and Plant Health Inspection Service, Plant Protection and Quarantine, U.S. Department of Agriculture
USDA/ARS > Agricultural Research Service, U. S. Department of Agriculture
USDA/ARS/AFRS > Appalachian Fruit Research Station, Agricultural Research Service, U. S. Department of Agriculture
USDA/ARS/AQPGDRU > Air Quality Plant Growth and Development Research Unit, Agricultural Research Service, U. S. Department of Agriculture
USDA/ARS/BARC/ANRI > Animal and Natural Resources Institute, Agricultural Research Service, U. S. Department of Agriculture/BARC
USDA/ARS/BARC/ANRI/EQL > Environmental Quality Laboratory, Animal and Natural Resources Institute, USDA-ARS/BARC
USDA/ARS/BARC/ANRI/HRSL > Hydrology and Remote Sensing Laboratory, Animal and Natural Resources Institute, USDA-ARS/BARC
USDA/ARS/BARC/ANRI/SASL > Sustainable Agricultural Systems Laboratory, Animal and Natural Resources Institute, USDA-ARS/BARC
USDA/ARS/BARC/PSI/ACSL > Alternate Crops & Systems Lab, Plant Sciences Institute, USDA-ARS/BARC
USDA/ARS/CGPRS > Central Great Plains Research Station, Agricultural Research Service, U. S. Department of Agriculture
USDA/ARS/CICGRU > Corn Insects and Crop Genetics Research Unit, Agricultural Research Service, U. S. Department of Agriculture
USDA/ARS/CMAVE/CGERU > Crop Genetics and Environmental Research Unit, Center for Medical, Agricultural and Veterinary Entomology, ARS, U. S. Department of Agriculture
USDA/ARS/CMAVE/PBRU > Postharvest and Bioregulation Research Unit, Center for Medical, Agricultural, and Veterinary Entomology, USDA-ARS
USDA/ARS/CPCRC > Columbia Plateau Conservation Research Center, Agricultural Research Service, U. S. Department of Agriculture
USDA/ARS/CPRL > Conservation and Production Research Laboratory, Agricultural Research Service, U. S. Department of Agriculture
USDA/ARS/CPSPWRC > Coastal Plains Soil, Water, and Plant Research Center, Agricultural Research Service, U. S. Department of Agriculture
USDA/ARS/CSRL > Crop Science Research Laboratory, Agricultural Research Service, U. S. Department of Agriculture
USDA/ARS/EIWRU > Exotic and Invasive Weeds Research Unit, Agricultural Research Service, U. S. Department of Agriculture
USDA/ARS/EORC/SMRU > Sustainable Management of Rangelands Unit, Eastern Oregon Agricultural Research Center, USDA-ARS
USDA/ARS/GPSRU > Great Plains Systems Research Unit, Agricultural Research Service, U. S. Department of Agriculture
USDA/ARS/GRL > Grazinglands Research Laboratory, Agriculture Research Service, U.S. Department of Agriculture
USDA/ARS/GSWRL > Grassland Soil and Water Research Laboratory, Agricultural Research Service, U. S. Department of Agriculture
USDA/ARS/GSWRL/EPIC > Environmental Policy Integrated Climate, Grassland Soil and Water Research Laboratory, Agricultural Research Service, U. S. Department of Agriculture
USDA/ARS/GSWRL/SWAT > Soil and Water Assessment Tool, Grassland Soil and Water Research Laboratory, Agricultural Research Service, U. S. Department of Agriculture
USDA/ARS/HCLF-FRESNO > Horticultural Crops Research Laboratory-Fresno, Agricultural Research Service, U. S. Department of Agriculture
USDA/ARS/IS > Information Services, Agricultural Research Service, U. S. Department of Agriculture
USDA/ARS/JER > Jornada Experimental Range, Agricultural Research Service, U. S. Department of Agriculture
USDA/ARS/JPCSNRCC > J.P. Campbell, Sr., Natural Resource Conservation Center, Agricultural Research Service, U. S. Department of Agriculture
USDA/ARS/KDLGSARC > Kika De La Garza Subtropical Agricultural Research Center, Agricultural Research Service, U. S. Department of Agriculture
USDA/ARS/KDLGSARC/IFNRRU > Integrated Farming and Natural Resources Research Unit, Kika De La Garza Subtropical Agricultural Research Center, USDA-ARS
USDA/ARS/LARRL > Livestock and Range Research Laboratory, Agricultural Research Service, U. S. Department of Agriculture
USDA/ARS/MARC/BERU > Biological Engineering Research Unit, Meat Animal Research Center, Agricultural Research Service, U. S. Department of Agriculture
USDA/ARS/NAEWURU > North Appalachian Experimental Watershed Research Unit, Agricultural Research Service, U. S. Department of Agriculture
USDA/ARS/NAL > National Agricultural Library, Agricultural Research Service, U. S. Department of Agriculture
USDA/ARS/NAL/WQIC > Water Quality Information Center, National Agricultural Library, Agricultural Research Service, U. S. Department of Agriculture
USDA/ARS/NCSCRL > North Central Soil Conservation Research Laboratory, Agricultural Research Service, U. S. Department of Agriculture
USDA/ARS/NC SU > North Carolina State University, USDA-ARS
USDA/ARS/NGPRL > Northern Great Plains Research Laboratory, Agricultural Research Service, U. S. Department of Agriculture
USDA/ARS/NGRL > National Germplasm Resources Laboratory, Agricultural Research Service, U.S. Department of Agriculture
USDA/ARS/NPARRL > Northern Plains Agricultural Research Laboratory, Agricultural Research Service, U. S. Department of Agriculture

USDA/ARS/NSDL > National Soil Dynamics Laboratory, Agricultural Research Service, U. S. Department of Agriculture
USDA/ARS/NSL > National Sedimentation Laboratory, Agricultural Research Service, U. S. Department of Agriculture
USDA/ARS/NSTL > National Soil Tilth Laboratory, Agricultural Research Service, U. S. Department of Agriculture
USDA/ARS/NWRC > Northwest Watershed Research Center, Agricultural Research Service, U. S. Department of Agriculture
USDA/ARS/PBARC > Pacific Basin Agricultural Research Center, Agricultural Research Service, U. S. Department of Agriculture
USDA/ARS/PGRU > Plant Genetics Research Unit, USDA-ARS at University of Missouri
USDA/ARS/PSWMRL > Pasture Systems & Watershed Management Research Laboratory, Agricultural Research Service, U. S. Department of Agriculture
USDA/ARS/RRRU > Rangeland Resources Research Unit, Agricultural Research Service, U. S. Department of Agriculture
USDA/ARS/SDRU > Soil Drainage Research Unit, Agricultural Research Service, U. S. Department of Agriculture
USDA/ARS/SES/RSERU > Range Sheep Production/Efficiency Research Unit, U.S. Sheep Experiment Station, Agricultural Research Service, U. S. Department of Agriculture
USDA/ARS/SEWRL > Southeast Watershed Research Laboratory, Agricultural Research Service, U. S. Department of Agriculture
USDA/ARS/SHRS > Subtropical Horticulture Research Station, Agricultural Research Service, U. S. Department of Agriculture
USDA/ARS/SPARC > Southern Plains Agricultural Research Center, Agricultural Research Service, U. S. Department of Agriculture
USDA/ARS/SPARC/APMU > Area Wide Pest Management Research Unit, Southern Plains Agricultural Research Center, ARS, U. S. Department of Agriculture
USDA/ARS/SPNRU > Soil, Plant, and Nutrients Research Unit, Agricultural Research Service, U. S. Department of Agriculture
USDA/ARS/SPRRS > Southern Plains Range Research Station, Agricultural Research Service, U. S. Department of Agriculture
USDA/ARS/SWCRU > Soil and Water Conservation Research Unit, Agricultural Research Service, U. S. Department of Agriculture
USDA/ARS/SWRC > Southwest Watershed Research Center, Agricultural Research Service, U. S. Department of Agriculture
USDA/ARS/TFRL > Tree Fruit Research Laboratory, Agricultural Research Service, U. S. Department of Agriculture
USDA/ARS/USHRL > U.S. Horticultural Research Laboratory, Agricultural Research Service, U. S. Department of Agriculture
USDA/ARS/USSL > U.S. Salinity Laboratory, Agricultural Research Service, U. S. Department of Agriculture
USDA/ARS/USWCL > U.S. Water Conservation Laboratory, Agricultural Research Service, U. S. Department of Agriculture
USDA/ARS/VFCRU > Vegetable and Forage Crop Research Unit, Agricultural Research Service, U.S. Department of Agriculture
USDA/ARS/WRRC > Western Regional Research Center, Agricultural Research Service, U. S. Department of Agriculture
USDA/ARS/YARL > Yakima Agricultural Research Laboratory, Agricultural Research Service, U. S. Department of Agriculture
USDA/CSREES/AES/UC-DAVIS > Agricultural and Environmental Sciences, University of California-Davis, USDA-CSREES
USDA/CSREES/CRIS > Current Research Information System, USDA-CSREES
USDA/CSREES/FARM-A-SYST > National Farm Assessment Office, USDA-CSREES
USDA/CSREES/GCREC/UFL > Gulf Coast Research and Education Center, University of Florida, USDA-CSREES
USDA/CSREES/LAES/LSU > Louisiana Agricultural Experiment Station, Louisiana State University, USDA-CSREES
USDA/CSREES/MSAFES/MSU > Mississippi Agricultural and Forestry Experiment Station, Mississippi State University, USDA-CSREES
USDA/CSREES/MSUE/MSU > Michigan State University Extension, Michigan State University, USDA-CSREES
USDA/CSREES/NCCES/NCSU > North Carolina Cooperative Extension Service, North Carolina State University, USDA-CSREES
USDA/CSREES/OARDC/OSU > Ohio Agricultural Research and Development Center, Ohio State University, USDA-CSREES
USDA/CSREES/PMC/UMES/UMN > Pest Management Center, University of Minnesota Extension Services, University of Minnesota, USDA-CSREES
USDA/CSREES/SDCES/SDSU > South Dakota Cooperative Extension Service, South Dakota State University, USDA-CSREES
USDA/CSREES/TAES/TAMU > Texas Agricultural Experiment Station, Texas A&M University, USDA-CSREES
USDA/CSREES/UAEX/UARK > University of Arkansas Cooperative Extension, University of Arkansas, USDA-CSREES
USDA/CSREES/WVAFES/WVU > West Virginia Agricultural and Forestry Extension Station, West Virginia University, USDA-CSREES
USDA/ERS > Economic Research Service, U. S. Department of Agriculture
USDA/ERS/ESS > Economics and Statistics System, Economic Research Service, U. S. Department of Agriculture
USDA/FAS > Foreign Agricultural Service, U. S. Department of Agriculture
USDA/FAS/PECAD > Production Estimates and Crop Assessment Division, Foreign Agricultural Service, U.S. Department of Agriculture
USDA/FS > Forest Service, U. S. Department of Agriculture
USDA/FS/AFC > Alexandria Forest Center, Forest Service, U.S. Department of Agriculture
USDA/FS/ENG/RSAC > Remote Sensing Applications Center, Engineering, Forest Service, U.S. Department of Agriculture
USDA/FS/FHP > Forest Health Protection, Forest Service, U. S. Department of Agriculture
USDA/FS/FHP/FHMP > Forest Health Monitoring Program, Forest Health Protection, Forest Service, U. S. Department of Agriculture
USDA/FS/FIA > Forest Inventory and Analysis, Forest Service, U.S. Department of Agriculture
USDA/FS/FPL > Forest Products Laboratory, Forest Service, U. S. Department of Agriculture
USDA/FS/FRM > Forest and Rangeland Management, Forest Service, U. S. Department of Agriculture
USDA/FS/FSGCRP > Forest Service Global Change Research Program, U. S. Department of Agriculture
USDA/FS/IITF > International Institute of Tropical Forestry, Forest Service, U. S. Department of Agriculture
USDA/FS/IMI > Inventory and Monitoring Institute, Forest Service, U.S. Department of Agriculture
USDA/FS/IPIF > Institute of Pacific Islands Forestry, Forest Service, U. S. Department of Agriculture
USDA/FS/LAR > Land and Realty Management, Forest Service, U. S. Department of Agriculture
USDA/FS/NCRS > North Central Research Station, Forest Service, U. S. Department of Agriculture
USDA/FS/NERS > Northeastern Research Station, Forest Service, U. S. Department of Agriculture
USDA/FS/NWFP > Northwest Forest Plan, Forest Service, U.S. Department of Agriculture
USDA/FS/PNW > Pacific Northwest Research Station, Forest Service, U. S. Department of Agriculture
USDA/FS/PNW/FERA > Fire and Environment Research Applications Team, Pacific Northwest Research Station, Forest Service, U.S. Department of Agriculture
USDA/FS/PNW/ICBEMP > Interior Columbia Ecosystem Management Project, Pacific Northwest Research Station, Forest Service, U. S. Department of Agriculture

of Agriculture

USDA/FS/PSW > Pacific Southwest Research Station, Forest Service, U. S. Department of Agriculture
USDA/FS/RD/TS > Treeseearch, Research and Development, Forest Service, U. S. Department of Agriculture
USDA/FS/RM > Rangelands Management, Forest Service, U. S. Department of Agriculture
USDA/FS/RMRS > Rocky Mountain Research Station, Forest Service, U. S. Department of Agriculture
USDA/FS/SR > Southern Region, Forest Service, U. S. Department of Agriculture
USDA/FS/SRS > Southern Research Station, Forest Service, U. S. Department of Agriculture
USDA/FS/SRS/SGCP > Southern Global Change Program, Southern Research Station, Forest Service, Department of Agriculture
USDA/FS/WFAS > Wildlands Fire Assessment System, Forest Service, U. S. Department of Agriculture
USDA/FSA/CRP > Conservation Reserve Program, Farm Service Agency, U. S. Department of Agriculture
USDA/NAL/AGNIC > Agriculture Network Information Center, NATIONAL AGRICULTURAL LIBRARY, U. S. Department of Agriculture
USDA/NASS > National Agricultural Statistics Service, U. S. Department of Agriculture
USDA/NPS/PNWR > Pacific Northwest Region, National Park Service, U.S. Department of Agriculture
USDA/NRCS/ALASKA > Natural Resources Conservation Service-Alaska, U. S. Department of Agriculture
USDA/NRCS/CED > Conservation Engineering Division, Natural Resources Conservation Service, U. S. Department of Agriculture
USDA/NRCS/GDG > Geospatial Data Gateway, Natural Resources Conservation Service, U.S. Department of Agriculture
USDA/NRCS/ITC > Information Technology Center, National Resource Conservation Service, U.S. Department of Agriculture
USDA/NRCS/MONTANA > Natural Resources Conservation Service-Montana, U. S. Department of Agriculture
USDA/NRCS/NCGC > National Cartography and Geospatial Center, National Resources Conservation Service, U. S. Department of Agriculture
USDA/NRCS/NEBRASKA > Natural Resource Conservation Service-Nebraska, U.S. Department of Agriculture
USDA/NRCS/NPDC > National Plant Data Center, National Resources Conservation Service, U. S. Department of Agriculture
USDA/NRCS/NRI > Natural Resources Institute, National Resources Conservation Service, U. S. Department of Agriculture
USDA/NRCS/NSSC > National Soil Survey Center, National Resources Conservation Service, U. S. Department of Agriculture
USDA/NRCS/NWCC > National Water and Climate Center, National Resources Conservation Service, U. S. Department of Agriculture
USDA/NRCS/PMP > Plant Materials Program, Natural Resources Conservation Service, U. S. Department of Agriculture
USDA/NRCS/WSR > World Soil Resources, National Resources Conservation Service, U. S. Department of Agriculture
USDA/OCE/WAOB > World Agricultural Outlook Board, Office of Chief Economist, U. S. Department of Agriculture
USDA/OCE/WAOB/JAWF > Joint Agricultural Weather Facility, World Agricultural Outlook Board, Office of Chief Economist, U. S. Department of Agriculture
USDA/RMA > Risk Management Agency, U. S. Department of Agriculture
USF/CAS > College of Arts and Sciences, University of South Florida
USF/CMS > College of Marine Science, University of South Florida
USF/CMS/IMARS > Institute for Marine Remote Sensing, College of Marine Science, University of South Florida
USF/FCCDR > Florida Center for Community Design and Research, University of South Florida
USF/ISB > Institute for Systematic Botany, University of South Florida
USGS > U.S. Geological Survey, Department of the Interior
USGS/FRESC/SRFS > SNAKE RIVER FIELD STATION, FOREST AND RANGELAND ECOSYSTEM SCIENCE CENTER, U.S. GEOLOGICAL SURVEY
USNA/OCEAN > Department of Oceanography, United States Naval Academy
USP/IB/MARCUS > Departamento de Zoologia, Instituto de Biociencias, Universidade de Sao Paulo
USP/IO > Instituto Oceanografico, Universidade de Sao Paulo
USRA/CASS/LPI/ED > Education, Lunar and Planetary Institute, Center for Advanced Space Studies, Universities Space Research Association
USTL/LOA > Laboratoire d'Optique Atmospherique, Universite des Sciences et Technologies de Lille
USU/NR/GEOG-ER/RS-GIS > Remote Sensing and GIS Lab, Geography and Earth Resources, College of Natural Resources, Utah State University
UT/AGRC > Automated Geographic Reference Center, Utah
UT/CLIM > Utah Climate Center, Utah
UT/DOT > Department of Transportation, Utah
UTFSM/PHYS/RERERC > Renewable Energy Resource and Environmental Research Center, Physics Department, Universidad Tecnica Federico Santa Maria
UTL/ISA/DEF > Forestry Department, Institute of Agronomy, University of Technology, Lisbon
UTN-C/BES > Biological and Environmental Sciences, University of Tennessee - Chattanooga
UTX-AUSTIN/CSR > Center for Space Research, University of Texas at Austin
UTX-AUSTIN/ENGR/CRWR > Center for Research in Water Resources, Bureau of Engineering Research, University of Texas at Austin
UTX-AUSTIN/GEOSCI/BEG > Bureau of Economic Geology, School of Geosciences, University of Texas at Austin
UTX-AUSTIN/IG > Institute for Geophysics, University of Texas at Austin
UTX-AUSTIN/IG/SDC > Seismic Data Center, Institute for Geophysics, University of Texas at Austin
UTX-AUSTIN/TMM/TNHC > Texas Natural History Collections, Texas Memorial Museum, University of Texas, Austin
UTX-DALLAS/CSS/CINDI/EPO > Education and Public Outreach, Coupled Ion-Neutral Dynamics Investigation, Center for Space Science, University of Texas at Dallas
UTX-MB/MBI/NRCC > National Resource Center for Cephalopods, Marine Biomedical Institute, University of Texas - Medical Branch
UU/FES > Faculty of Geosciences, Utrecht University
UU/PHYS-ASTR/IMAU > Institute for Marine and Atmospheric Research, Physics and Astronomy Department, Utrecht University
UVA-ESP/PHYS > Department of Applied Physics, University of Valladolid, Spain
UVA/ENVSCI/GECP > Global Environmental Change Program, Department of Environmental Science, University of Virginia
UVM/GEOLOGY > Department of Geology, University of Vermont
UVM/RSER > Rubenstein School of Environment and Natural Resources, University of Vermont
UW/WYGISC > Wyoming Geographic Information Science Center, University of Wyoming

UWA/APL > Applied Physics Laboratory, University of Washington
UWA/APL/PSC > Polar Science Center, Applied Physics Laboratory, University of Washington
UWA/ATMOS > Department of Atmospheric Science, University of Washington
UWA/ATMOS/JISAO > Joint Institute for the Study of the Atmosphere and Ocean, Department of Atmospheric Sciences, University of Washington
UWA/CFR > College of Forest Resources, University of Washington
UWA/ESS > Earth and Space Sciences, University of Washington
UWA/ESS/QR > Quaternary Research Center, Earth and Space Sciences, University of Washington
UWA/ESS/QR/COSMOLAB > Cosmogenic Nuclide Lab, Quaternary Research Center, Earth and Space Sciences, University of Washington
UWA/ESS/SPACE > Earth and Space Sciences, Space Physics Group, University of Washington
UWA/OCEAN > School of Oceanography, University of Washington
UWA/SAFS/CBR > Columbia Basin Research, School of Aquatics and Fisheries Sciences, University of Washington
UWC/BOT/SA > SeaweedAfrica, Department of Botany, University of the Western Cape
UWI-MAD/IES/CCR > Center for Climatic Research, Gaylord Nelson Institute for Environmental Studies, University of Wisconsin, Madison
UWI-MAD/IES/SAGE > Center for Sustainability and the Global Environment, Gaylord Nelson Institute for Environmental Studies, University of Wisconsin, Madison
UWI-MAD/MLCR > McArdle Laboratory for Cancer Research, University of Wisconsin, Madison
UWI-MAD/SOILS > Department of Soil Science, University of Wisconsin, Madison
UWI-MAD/SSEC > Space Science and Engineering Center, University of Wisconsin, Madison
UWI-MAD/SSEC/AMRC > Antarctic Meteorological Research Center, Space Science and Engineering Center, University of Wisconsin, Madison
UWI-MAD/SSEC/CIMSS > Cooperative Institute for Meteorological Satellite Studies, Space Science and Engineering Center, University of Wisconsin, Madison
UWI-MAD/SSEC/CIMSS/POLAR > Polar Satellite Meteorology and Climatology, Cooperative Institute for Meteorological Satellite Studies, SSEC, University of Wisconsin, Madison
UWI-MIL/GEOL > Department of Geosciences, University of Wisconsin-Milwaukee
UWI-SP/GEOG-GEOL > Department of Geography and Geology, University of Wisconsin-Stevens Point
UWYO/SMTC > Science and Mathematics Teaching Center, University of Wyoming
UY/IAU/CUDA > Centro Uruguayo de Datos Antarticos, Instituto Antartico Uruguayo, Uruguay
V-GAI > Vaisala-GAI Inc.
VA/CLIM > State Climate Office, Virginia
VA/DOF > Department of Forestry, Virginia
VA/VDGIF/FWIS > Fish and Wildlife Information Service, Department of Game and Inland Fisheries, Virginia
VA/VDGIF/WDD > Wildlife Diversity Division, Department of Game and Inland Fisheries, Virginia
VANAQUA > VANCOUVER AQUARIUM MARINE SCIENCE CENTRE
VATECH/PPWS > Department of Plant Pathology, Physiology, and Weed Science, Virginia Polytechnic Institute and State University
VCGI > Vermont Center for Geographic Information
VERIDIAN > Veridian
VERIDIAN/TERRAIN > Terrain Data, Veridian
VORSIM > VORSIM
VRIJE-A/FES > Faculty of Earth Science, Vrije Universiteit, Amsterdam
VRIJE-B/CHEM/ANCH > Laboratory of Analytical and Environmental Chemistry, Department of Chemistry, Vrije Universiteit, Brussels
VSI > Vivid Solutions Inc.
VT > Video Transfer, Inc.
VT/ANR > Agency of Natural Resources, Vermont
VT/ANR/DEC/GS > Geological Survey, Department of Environmental Conservation, Agency of Natural Resources, Vermont
VT/ANR/DEC/WQ > Water Quality, Department of Environmental Conservation, Agency of Natural Resources, Vermont
VT/ANR/DEC/WS > Water Supply, Department of Environmental Conservation, Agency of Natural Resources, Vermont
VT/ANR/FWD/NNHP > Nongame and Natural Heritage Program, Department of Fish and Wildlife, Agency of Natural Resources, Vermont
VT/CLIM > Office of the State Climatologist, Vermont
VTP > Virtual Terrain Project
VUW/SES/WC > Weather and Climate, School of Earth Science, Victoria University Wellington, New Zealand
WA-STATE/BIO-SCI > School of Biological Sciences, Washington State University
WA/DE > Department of Ecology, Washington State
WA/ECO/CMAP/SWCES > Southwest Washington Coastal Erosion Study, Coastal Monitoring & Analysis Program, Department of Ecology, Washington
WA/PSWQAT > Puget Sound Water Quality Team, Washington
WA/TPL > Tacoma Public Library, Tacoma, Washington
WCRP/GPCC > Global Precipitation Climatology Centre, World Climate Research Programme
WDC/GEOLOGY, BEIJING > World Data Center for Geology, Beijing
WDC/GEOMAGNETISM, EDINBURGH > World Data Center for Geomagnetism, Edinburgh
WDC/GEOPHYSICS, BEIJING > World Data Center for Geophysics, Beijing
WDC/GLACIOLOGY, BOULDER > World Data Center for Glaciology, Boulder
WDC/GREENHOUSE GASES, TOKYO > World Data Center for Greenhouse Gases, Tokyo
WDC/IONOSPHERE, TOKYO > World Data Center for Ionosphere, Tokyo
WDC/METEOROLOGY, ASHEVILLE > World Data Center for Meteorology, Asheville
WDC/METEOROLOGY, OBNINSK > World Data Center for Meteorology, Obninsk
WDC/MGG, BOULDER > World Data Center for Marine Geology and Geophysics, Boulder

WDC/OCEANOGRAPHY, OBNINSK > World Data Center for Oceanography, Obninsk
WDC/PALEOCLIMATOLOGY, BOULDER > World Data Center for Paleoclimatology, Boulder
WDC/RADIATION, ST. PETERSBURG > World Data Center for Radiation, St. Petersburg
WDC/RR&E, BEIJING > World Data Center for Renewable Resources & Environment, Beijing
WDC/SEG, BOULDER > World Data Center for Solid Earth Geophysics, Boulder
WDC/SEISMOLOGY, DENVER > World Data Center for Seismology, Denver
WDC/SEP, MOSCOW > World Data Center for Solid Earth Physics, Moscow
WDC/SOILS, ISRIC, WAGENINGEN > World Data Center for Soils, International Soil Reference and Information Centre, Wageningen
WDC/STP, MOSCOW > World Data Center for Solar-Terrestrial Physics, Moscow
WDC/STS/IPS, SYDNEY > Ionospheric Prediction Service, World Data Centre for Solar Terrestrial Science, Sydney
WDC/WOUDC, TORONTO > World Data Center for Ozone and Ultraviolet Radiation, Toronto
WEBMIN/MD > Mineralogy Database, WebMineral
WESLEYAN/EES > Department of Earth and Environmental Sciences, Wesleyan University
WFC/FB > FishBase, WorldFish Center
WFC/RB > ReefBase, WorldFish Center
WGBH/EF/TD > Teachers' Domain, Education Foundation, WGBH
WGMS > World Glacier Monitoring Service
WGT > Weather Graphics Technologies
WHOI/AOPE/COFDL > Coastal and Ocean Fluid Dynamics Laboratory, Applied Ocean Physics and Engineering Department, Woods Hole Oceanographic Institution
WHOI/AOPE/OAL > Ocean Acoustics Lab, Applied Ocean Physics and Engineering Department, Woods Hole Oceanographic Institution
WHOI/DGG/NOSAMS > National Ocean Sciences Accelerator Mass Spectrometer Facility, Department of Geology and Geophysics, Woods Hole Oceanographic Institution
WHOI/DGG/PALEOCEANOGRAPHY > Paleoceanography Laboratory, Department of Geology and Geophysics, Woods Hole Oceanographic Institution
WHOI/MCG > Marine Chemistry and Geochemistry Department, Woods Hole Oceanographic Institution
WHOI/MVCO > Martha's Vineyard Coastal Observatory, Woods Hole Oceanographic Institution
WHOI/PO > Physical Oceanography Department, Woods Hole Oceanographic Institution
WHOI/UOPG > Upper Ocean Processes Group, Woods Hole Oceanographic Institution
WHOI/WFDAC > WOCE Subsurface Float Assembly Center, Woods Hole Oceanographic Institution
WHS > Woodroffe High School, Canada
WHS/RES > Regents Earth Science, Wilson High School
WIDENER-U/CAS > College of Arts and Science, Widener University
WJU/CET > Center for Educational Technologies, Wheeling Jesuit University
WLDELFT > Delft Hydraulics
WNPS/WENATCHEE/SKIS > Six Kingdom Inventory System, Wanatchee Chapter, Washington Native Plant Society
WORLDSAT > WorldSat International Inc.
WPTI > The Wildlife Trust
WR/WRCC > Western Regional Climate Center
WRI > World Resources Institute
WU-SL/EPS/MARGINS > MARGINS, Department of Earth and Planetary Sciences, Washington University in St. Louis
WUR/ALTERRA > ALTERRA, Wageningen University and Research Centre
WUR/DES/ESAG > Environmental Systems Analysis Group, Department of Environmental Sciences, Wageningen University and Research Center
WUR/LIB/GCW > Green City Wageningen, Wageningen UR Library, Wageningen University and Research Centre
WV/GISTC > GIS Technical Center, West Virginia
WVU/FOR > Forestry Department, West Virginia University
WWF > World Wildlife Fund
WWSS > Watershed Watch Salmon Society
WWU/SPMC > Shannon Point Marine Center, Western Washington University
WX_UNDERGROUND > The Weather Underground, Inc.
WY/CLIM > State Climatologist Office, Wyoming
WY/TC/DEM > Department of Emergency Management, Teton County, Wyoming
YALE/EPMP > Environmental Performance Measurement Project, Yale University
YAMAGATA/FE > Faculty of Engineering, Yamagata University
Z-ZNR > Zoonomen - Zoological Nomenclature Resource
ZA/DEAT > Department of Environmental Affairs and Tourism, South Africa
ZA/DEAT/MCM > Marine and Coastal Management, Department of Environmental Affairs and Tourism, South Africa
ZA/DPLG/SANDMC > South Africa Natural Disaster Management Centre, Department of Provincial and Local Government, South Africa
ZOOGENE > Zooplankton Genomics
ZURICH/GEOG > Department of Geography, University of Zurich Switzerland

Annex G: GCMD IDN Node Keywords

GCMD valids as at 29-Sep-2006

AMD
AMD/AR
AMD/AU
AMD/BE
AMD/CA
AMD/CH
AMD/CL
AMD/CN
AMD/DE
AMD/EE
AMD/ES
AMD/FI
AMD/FR
AMD/IND
AMD/INT
AMD/IT
AMD/JP
AMD/KR
AMD/MY
AMD/NL
AMD/NO
AMD/NZ
AMD/UA
AMD/UK
AMD/US
AMD/UY
AMD/ZA
ARCTIC/ES
ARCTIC/FR
ARGENTINA/CONAE
AUSTRALIA/CSIRO
BRAZIL/INPE
CANADA/CGDI
CEOS
CLIVAR
ESA/ESRIN
FRANCE/CNES
G3OS/GCOS
G3OS/GOOS
G3OS/GTOS
GERMANY/DLR
GOMMP
JAPAN/JAXA
JAPAN/JST
NETHERLANDS/NLR-NEONET
NEW ZEALAND/ICAIR
OBIS
OBIS/AR
OBIS/AU
OBIS/BR
OBIS/CA
OBIS/CL
OBIS/CN
OBIS/EU
OBIS/IN
OBIS/JP
OBIS/NZ
OBIS/SCAR-MARBIN
OBIS/US
OBIS/ZA
RUSSIA/RAS
TW/NSPO

UN
UNEP/GRID
UNEP/GRID/ICIMOD
USA/CIESIN
USA/NASA
USA/NCAR
USA/NOAA
USA/USDA
USA/USGS

Annex H: GCMD Location Keywords

GCMD valids as at 18-Nov-2005

Arabian Sea
Aral Sea
Arctic Ocean
Atlantic Ocean
Baltic Sea
Barents Sea
Bay Of Bengal
Beaufort Sea
Bellingshausen Sea
Bering Sea
Black Sea
Caribbean Sea
Caspian Sea
Chukchi Sea
East China Sea
Global Ocean
Great Lakes
Gulf Of Alaska
Gulf Of Mexico
Hudson Bay
Indian Ocean
Irish Sea
Lake Baykal
Lake Chad
Lake Malawi
Lake Tanganyika
Lake Victoria
Mediterranean Sea
North Atlantic Ocean
North Pacific Ocean
North Sea
Norwegian Sea
Pacific Ocean
Persian Gulf
Red Sea
Ross Sea
Sea Of Japan/east Sea
Sea Of Okhotsk
South Atlantic Ocean
South China And Eastern Archipelagic Seas
South China Sea
South Pacific Ocean
Southern Ocean
Weddell Sea
Yellow Sea
Afghanistan
Albania
Algeria
American Samoa
Andaman Islands
Andorra
Angola
Anguilla
Antigua And Barbuda
Argentina
Armenia
Aruba
Ascension Island
Australia
Austria
Azerbaijan
Azores

Bahamas
Bahrain
Bangladesh
Barbados
Belarus
Belgium
Belize
Benin
Bermuda
Bhutan
Bolivia
Bonaire
Bosnia And Herzegovina
Botswana
Bouvet Island
Brazil
Brunei Darussalam
Bulgaria
Burkina Faso
Burma
Burundi
Cambodia
Cameroon
Canada
Canary Islands
Cape Verde
Cayman Islands
Central African Republic
Ceuta
Chad
Channel Islands
Chile
China
Christmas Island
Cocos Islands
Colombia
Comoros
Congo, Democratic Republic
Congo, Republic
Cook Islands
Corsica
Costa Rica
Cote D'ivoire
Croatia
Cuba
Curacao
Cyprus
Czech Republic
Denmark
Djibouti
Dominica
Dominican Republic
Ecuador
Egypt
El Salvador
Equatorial Guinea
Eritrea
Estonia
Ethiopia
Faeroe Islands
Falkland Islands
Fiji
Finland
France
French Guiana
French Polynesia

Gabon
Gambia
Georgia
Germany
Ghana
Gibraltar
Gough Island
Greece
Grenada
Guadeloupe
Guam
Guatemala
Guinea
Guinea-bissau
Guyana
Haiti
Hawaiian Islands
Heard Island
Honduras
Hong Kong
Hungary
India
Indonesia
Iran
Iraq
Ireland
Israel
Italy
Jamaica
Japan
Jordan
Kazakhstan
Kenya
Kiribati
Kuwait
Kyrgyzstan
Laos
Latvia
Lebanon
Lesotho
Liberia
Libya
Liechtenstein
Lithuania
Luxembourg
Macau
Macedonia, Fyr
Macquarie Island
Madagascar
Madeira
Malawi
Malaysia
Maldives
Mali
Malta
Marshall Islands
Martinique
Mauritania
Mauritius
Mexico
Micronesia
Moldova
Monaco
Mongolia
Montserrat
Morocco

Mozambique
Namibia
Nauru
Nepal
Netherlands
Netherlands Antilles
New Caledonia
New Zealand
Nicaragua
Nicobar Islands
Niger
Nigeria
Niue
Norfolk Island
North Korea
Northern Mariana Islands
Norway
Okinawa
Oman
Pakistan
Palau
Palestine
Panama
Papua New Guinea
Paraguay
Peru
Philippines
Pitcairn Island
Poland
Portugal
Puerto Rico
Qatar
Reunion
Romania
Russia
Rwanda
Saba
Samoa
San Marino
Sao Tome And Principe
Sardinia
Saudi Arabia
Senegal
Seychelles
Sicily
Sierra Leone
Singapore
Slovakia
Slovenia
Solomon Islands
Somalia
South Africa
South Georgia Island
South Korea
South Orkney Islands
South Sandwich Islands
South Shetland Islands
Spain
Sri Lanka
St Barthelemy
St Eustatius
St Helena
St Kitts And Nevis
St Lucia
St Maarten
St Martin

St Pierre And Miquelon
St Vincent And The Grenadines
Sudan
Sumatra
Suriname
Svalbard
Swaziland
Sweden
Switzerland
Syria
Taiwan
Tajikistan
Tanzania
Thailand
Togo
Tokelau
Tonga
Trinidad And Tobago
Tristan Da Cunha
Tunisia
Turkey
Turkmenistan
Turks And Caicos Islands
Tuvalu
Uganda
Ukraine
United Arab Emirates
United Kingdom
United States Of America
Uruguay
Uzbekistan
Vanuatu
Vatican City
Venezuela
Vietnam
Virgin Islands
Wake Island
Wallis And Futuna Islands
Yemen
Yugoslavia
Zambia
Zanzibar
Zimbabwe
Chromosphere
Corona
High Latitude Magnetosphere
Inner Magnetosphere
Magnetosphere (other)
Magnetotail
Photosphere
Africa
Amazonia
Antarctica
Arctic
Asia
Caribbean
Central Africa
Central America
Central Asia
Central Europe
East Africa
Eastern Asia
Eastern Europe
Eastern Hemisphere
Equatorial
Eurasia

Europe
Global
Global Land
Mid-latitude
Middle East
North Africa
North America
Northern Europe
Northern Hemisphere
Oceania
Polar
Sahel
South America
Southeast Asia
Southern Africa
Southern Asia
Southern Europe
Southern Hemisphere
Tropics
West Africa
Western Asia
Western Europe
Western Hemisphere
Boundary Layer
Core
Crust
Ionosphere
Land Surface
Mantle
Mesosphere
Sea Floor
Sea Surface
Stratosphere
Thermosphere
Troposphere
Alabama
Alaska
Arizona
Arkansas
Black Sea
Bow Shock
British Columbia
California
Central Pacific Ocean
Colorado
Connecticut
Cusp
Delaware
District Of Columbia
Eastern Pacific Ocean
Florida
Galapagos Islands
Georgia
Georgian Bay
Greenland
Gulf Of Maine
Hawaii
Iceland
Idaho
Illinois
Indiana
Iowa
Kansas
Kentucky
Louisiana
Magnetopause

Maine
Maryland
Massachusetts
Melanesia
Michigan
Minnesota
Mississippi
Missouri
Montana
Nebraska
Neutral Sheet
Nevada
New Hampshire
New Jersey
New Mexico
New York
North Carolina
North Dakota
Ohio
Oklahoma
Oregon
Pennsylvania
Polynesia
Rhode Island
Solar Core
Solar Interior
South Carolina
South Dakota
Tennessee
Texas
Utah
Van Allen Radiation Belts
Vermont
Virginia
Washington
West Virginia
Western Pacific Ocean
Wisconsin
Wyoming

Annex I: GCMD Project Keywords

GCMD valids as at 30-Dec-2005

SHORT_NAME > LONG_NAME

AA > ARCATLAS
AAE > Australasian Antarctic Expedition of 1911-14
AAOE > Airborne Antarctic Ozone Experiment
AARAM > Andean Amazon Rivers Analysis and Monitoring Project
AASE > Airborne Arctic Stratospheric Expedition
AASE-II > Airborne Arctic Stratospheric Expedition-II
AASTO > Automated Astrophysical Site Testing Observatory
AAWS > ANTARCTIC AUTOMATIC WEATHER STATIONS PROJECT
ABLE-1 > Atmospheric Boundary Layer Experiment-1
ABLE-2 > Atmospheric Boundary Layer Experiment-2
ABRACOS > Anglo-Brazilian Amazonian Climate Observation Study
ACCE > Atlantic Climate and Circulation Experiment
ACDCA > Antarctic Inspections Cruise
ACDP > Arctic Coastal Dynamics Program
ACE > Advanced Composition Explorer (ACE) Project
ACE-1 > First Aerosol Characterization Experiment
ACE-1/CODIAC > Southern Hemisphere Marine Aerosol Characterization Experiment
ACE-2 > Second Aerosol Characterization Experiment
ACE-ASIA > Aerosol Characterization Experiment-Asia
ACES > ALTUS Cumulus Electrification Study
ACID-MODES > Acid Model Operational Diagnostic Evaluation Study
ACOUSTIC MONITORING, PMEL/NOAA
ACR > Antarctic Climate Research
ACRIM II > Active Cavity Radiometer Irradiance Monitor II
ACRIM III > Active Cavity Radiometer Irradiance Monitor III
ACRIMSAT > Active Cavity Radiometer Irradiance Monitor Satellite
ACRP > Archive of Census Related Products
ACSOE > Atmospheric Chemistry Studies in the Oceanic Environment
ACSOE-EAE > ACSOE Eastern Atlantic Experiment
ACSOE-MAGE > ACSOE Marine Gas Exchange
ACSOE-NAE > ACSOE North Atlantic Experiment
ACSYS > ARCTIC CLIMATE SYSTEM STUDY
ACSYS-ABSIS > ACSYS ATMOSPHERIC BOUNDARY LAYER AND SEA ICE INTERACTION STUDY
ADBEX > Antarctic Division BIOMASS Experiment
ADCC > Arctic System Science Data Coordination Center
ADLP > Alexandria Digital Library Project
AEOLUS 1980 > Atmospheric Experiment on Orographic Flows, Lee Waves, Upslope Snowstorms
AERONET > Aerosol Robotic Network
AERP > Amboseli Elephant Research Project
AESOPS > U.S. JGOFS Antarctic Environment and Southern Ocean Process Study
AFEAS > Alternative Fluorocarbons Environmental Acceptability Study
AGAGE > Advanced Global Atmospheric Gases Experiment
AGASP > Arctic Gas and Aerosol Sampling Program
AIDJEX > Arctic Ice Dynamics Joint Experiment
AIMS/LMP > AIMS Long-term Monitoring Program
AIRMISR > Airborne Multi-angle Imaging SpectroRadiometer
AIRMON > Atmospheric Integrated Research Monitoring Network
AIRSTREAM
AJAX > testing supplementals
ALACE > Airborne Laser Assessment of Coastal Erosion
ALE > Atmospheric Lifetime Experiment
ALIVE > Army Lidar Verification Experiment
ALPEX > Alpine Experiment
AMBS > Antarctic Multibeam Bathymetry & Geophysical Synthesis
AMERIFLUX
AMEX/EMEX > Australian Monsoon Experiment
AMIP > Atmospheric Model Intercomparison Project
AMLI > Abandoned Mines Land Initiative
ANDRILL > Antarctic Drilling Program
ANSLOPE > AnSlope: Cross-Slope Exchanges at the Antarctic Slope Front

ANT-VI/3 > Structure of the Continental Margin in the Weddell Sea and Adjacent Areas
ANT-VIII/5 > Structure of the Continental Margin in the Weddell Sea and Adjacent Areas
ANT-X/2 > Structure of the Continental Margin in the Weddell Sea and Adjacent Areas
ANT-XII/2 > Structure of the Continental Margin in the Weddell Sea and Adjacent Areas
ANTARCTIC BENTHIC COMMUNITIES > Patterns & Processes in Antarctic Benthic Communities. Project No. 21 2002-2004
ANTARCTIC GEODESY > Antarctic Geodesy for GeoSciences Global Processes. Project No. 34 2004-2007
ANTPAC97 > Geodynamics & Paleoceanography, Plate Boundaries N of Antarctic Peninsula
AOE > Arctic Ocean Experiment
AOMIP > Arctic Ocean Model Intercomparison Project
APEX > Arctic Polynya Experiment
APIOS > Acid Precipitation In Ontario Study
APIS > Antarctic Pack Ice Seals Project
AQUA > Earth Observing System (EOS), AQUA
AQUARIUS
ARB > Aerosol Research Branch Light Detection and Ranging Project
ARC-MIP > Arctic Modeling Intercomparison Project
ARCATLAS > ARCATLAS
ARCSS > Arctic System Science
ARCSS/GISP2 > Arctic System Science/Greenland Ice Sheet Project 2
ARCSS/HARC > Arctic System Science/Human Dimensions of the Arctic System
ARCSS/LAI > Arctic System Science/Land-Atmosphere-Ice Interaction
ARCSS/LAI/ATLAS > Arctic System Science/LAI/Arctic Transitions in the Land-Atmosphere System
ARCSS/LAI/FLUX > Arctic System Science/Land-Atmosphere-Ice Interaction/fluxes
ARCSS/LAI/ITEX > Arctic System Science/LAI/International Tundra Experiment
ARCSS/NPEO > Arctic System Science/North Pole Environmental Observatory
ARCSS/OAI > Arctic System Science/Ocean-Atmosphere-Ice Interactions
ARCSS/OAI/AOS > Arctic System Science/OAI/Arctic Ocean Section
ARCSS/OAI/NEW > Arctic System Science/OAI/Northeast Water Polynya
ARCSS/OAI/SBI > Arctic System Science/Shelf-Basin Interactions
ARCSS/OAI/SHEBA > Arctic System Science/OAI/Surface Heat Budget of the Arctic Ocean
ARCSS/SCICEX > Arctic System Science/Scientific Ice Expeditions
ARCTIC CLIMATOLOGY PROJECT
ARCTIC'91 > Structure of the Oceanic Lithosphere of the Arctic Ocean
ARESE > ARM Enhanced Shortwave Experiment
ARG-PNUD > PROGRAMA DE LAS NACIONES UNIDAS PARA EL DESARROLLO (PNUD)
ARGAU > Argentine and French Austral Atlantic Ocean Project
ARGO > A Broad-Scale Global Array of Temperature/Salinity Profiling Floats
ARK-V/3B > Structure of the East Greenland Continental Margin
ARK-VII/3B > Structure of the East Greenland Continental Margin
ARK-X/2 > Structure of the East Greenland Continental Margin
ARM > Atmospheric Radiation Measurement Project
ARMCAS > Arctic Radiation Measurement in Column Atmosphere Surface
ARP > Acid Rain Program
ARSLOE > Atlantic Remote Sensing Land/Ocean Experiment
ARTEMIS > UN/FAO Africa Real Time Environmental Monitoring Using Imaging Satellites
ARW/SJC > Aerosols and Rain Water at Sao Jose dos Campos, SP, Brazil
ARWAMPLP > Animas River Watershed Abandoned Mine Lands Project
ASGAMAGE > Air Sea Gas Marine Aerosol and Gas Exchange
ASHCAN
ASHOE > Airborne Southern Hemisphere Ozone Experiment
ASMAP > ANTARCTIC STRESS MAP PROJECT
ASPECT > Antarctic Sea Ice Processes and Climate
ASSIST > Academic Support for Spatial Information SysTems
ASTEX > Atlantic Stratocumulus Transition Experiment
ATLANTA EXPERIMENT > Atlanta International Airport Experiment
ATLAS > Atmospheric Laboratory for Applications and Science
ATLAS/CODIAC > Arctic Transitions in the Land-Atmosphere System
ATMOSPHERIC DRAG EXPERIMENT
ATOST > Atlantic - THORpex Observing System Test (ATOST)
AURA > Earth Observing System (EOS), AURA
AVE > Atmospheric Variability Experiment
AVHRR 1-KM PATHFINDER
AVHRR PATHFINDER > AVHRR Land Dataset Program
AWDN > Automated Weather Data Network
BAGIS > San Francisco Bay Area Demonstration GIS Project
BAHC > Biospheric Aspects of the Hydrological Cycle, IGBP

BALANS > Land Cover Information for the Baltic Sea Drainage Basin
BALTEX > Baltic Sea Experiment
BANZARE > British, Australian and New Zealand Antarctic Research Expedition of 1929-31
BAPMON > Background Air Pollution Monitoring Network
BASE > Beaufort and Arctic Storms Experiment
BASICS > Bering Air-Sea-Ice Study
BASS > Base de donnees Solaire Sol 2000
BATSE > Burst And Transient Source Experiment
BBMSES > Breeding Biology of Male Southern Elephant Seals
BBS > Bird Breeding Survey
BBSR > Bermuda Biological Station for Research
BCI > Bat Conservation International
BCLME > Benguela Current Large Marine Ecosystem
BD CARTO > French Cartographic Database
BDAT > BAY DELTA AND TRIBUTARIES
BDBP > Baltic Drainage Basin Project
BENEFIT > Benguela Environment Fisheries Interaction and Training Programme
BEST > Biomonitoring of Environmental Status and Trends
BIGFOOT
BIOENERGETICA GAVIOTA COCINERA
BIOGEOGRAFIA DE AVES MARINAS
BIOLOGIA DE LOS PETRELES
BIOLOGIA HUMANA Y MEDICINA
BIOMAR > BIOMAR - LAYING THE FOUNDATION FOR COASTAL ZONE MANAGEMENT
BIOMASS > Biological Investigations of Marine Antarctic Systems and Stocks
BIOME 6000 > Global Paleovegetation Mapping Project
BIOQUIMICA APLICADA
BIOTAS > Biological Investigation of Terrestrial Antarctic Systems
BIO_BURN > Biomass Burning Project
BIO_INST > INSTITUTIONAL BIOLOGY PROJECT
BLAST > Bromine Latitudinal Air/Sea Transect
BMDO > Ballistic Missile Defense Organization
BOFS > Biogeochemical Ocean Flux Study
BOING > Baltic On-line Interactive Geographical and Environmental Information Service
BOMEX > Barbados Oceanographic and Meteorological Experiment
BOREAS > The Boreal Ecosystem-Atmosphere Study
BPUCJRI > Biostratigraphy and Paleontology of the Upper Cretaceous in James Ross Island
BRAPA > Biologia reproductiva y alimenticia de la paloma antartica del IAA
BRFEX > Boardman Regional Flux Experiment (DOE ARM)
C-AMP > CEOP Asian Monsoon Experiment
C-MAP > Clean Air Mapping and Analysis Program
CALCOFI > California Cooperative Oceanic Fisheries Investigations
CALIPSO > Cloud-Aerosol Lidar and Infrared Pathfinder Satellite Observations
CALJET > California Land-Falling JETs Experiment
CALM > Circumpolar Active Layer Monitoring Program
CAMEX > Convection and Moisture Experiment
CAMEX-3 > Convection and Moisture Experiment 3
CAMEX-4 > Convection and Moisture Experiment 4
CAMP > California Monitoring Program
CAMP-CEOP > CEOP Asian Monsoon Project
CAMREX > Carbon in the Amazon River Experiment
CANOPY CHEMISTRY (AACP)
CAPE > Convection and Precipitation/Electrification Experiment
CAPMON > Canadian Air and Precipitation Monitoring Network
CARIBIC > Civil Aircraft for Reg. Investigation of Atmos. Based on Instrument Container
CARO-COOPS > Carolinas Coastal Ocean Observing and Prediction System
CARPE > Central African Regional Programme for the Environment
CASERTZ > Corridor Aerogeophysics of the SouthEastern Ross Transect Zone
CASES-97 > Cooperative Atmospheric Surface Exchange Study 1997
CASES-99 > Cooperative Atmospheric Surface Exchange Study 1999
CASP II > Canadian Atlantic Storms Program II
CASTNET > Clean Air Status Trends Network
CAV2000 > Campania Antartica De Verano Del IAA 2000
CAV2001 > Campania Antartica De Verano Del IAA 2001
CBC > Christmas Bird Counts
CBESS > Chesapeake Bay Earth Science Study

CBMAS > Chesapeake Bay & Mid-Atlantic from Space
CBP > Chesapeake Bay Program
CBR > Columbia Basin Research
CCAMLR > Commission for the Conservation of Antarctic Marine Living Resources
CCAP > Coastal Change Analysis Project
CCCCS > Central California Coastal Circulation Study
CCCO/CO2
CCMA > Canadian Centre for Climate Modelling and Analysis
CD > China Dimensions
CDRK > Carbon Dioxide Research of Kanagawa
CEAREX > Coordinated Eastern Arctic Experiment
CEDAR > Coupling, Energetics, and Dynamics of Atmospheric Regions
CEFA > Program for Climate, Ecosystem and Fire Applications
CENCAL > Central California/San Francisco Bay Earthquake Hazards Project
CEOP > Coordinated Enhanced Observing Period
CEPEX > Central Equatorial Pacific Experiment
CERDP > Compost/Erosion Research and Demonstration Project
CERES > Clouds and the Earth's Radiant Energy System
CFRP III > Australian Cold Front Research Project-Phase III
CGC > NOAA Climate and Global Change Program
CHAMP > Challenging Minisatellite Payload
CHAMP_ESE
CHAOS > CORING HOLOCENE ANTARCTIC OCEAN SEDIMENTS
CHARTERBOAT SURVEY
CHMP > Coral Health and Monitoring Program
CHRONOS > CHRONOS
CI2 > Cirrus Experiment
CIBAC
CIESIN/EMAW > CIESIN E-mail Access to the Web
CILAT
CISNET > Coastal Intensive Site Network
CITE-1 > Chemical Instrument Test and Evaluation-1
CITE-2 > Chemical Instrument Test and Evaluation-2
CITIPIX > City Pictures
CLAMS > Chesapeake Lighthouse & Aircraft Measurements for Satellites
CLARET > Cloud Lidar And Radar Exploratory Study
CLIMAP > Climate - Long Range Investigation, Mapping and Prediction
CLIMPROB > Guiding/Assisting Agroclimatic Decision Making Program
CLIVAR > Climate Variability
CLIVAR VACS > VARIABILITY OF THE AFRICAN CLIMATE SYSTEM
CLMBS > Crater Lake Multibeam Survey
CLOUDSAT > Cloud Satellite
CLPX > Cold Land Processes Field Experiment
CMDL > Climate Monitoring and Diagnostics Laboratory (NOAA)
CMGOOS > Coastal Module of the Global Ocean Observing System
CMIP > Coupled Model Intercomparison Project
CMO > Coastal Mixing and Optics Program
COADS > Comprehensive Ocean Atmosphere Data Set
CODE > Coastal Ocean Dynamics Experiment
COHH > Centers for Oceans and Human Health
COHMEX > Cooperative Huntsville Monsoon Experiment
COISF > Characterizing the Onset of Ice Stream Flow: A Ground Geophysical Field Program
COLD > Coupled Ocean-Ice Linkages & Dynamics
COMET > Cooperative Program for Operational Meteorology, Education, and Training
COMEX
CONFLUENCIA_WEDDELL-SCOTIA
COP > Coastal Ocean Program
CORAL > CORAL REEF ALLIANCE
CORINE > Coordination of Information on the Environment
COROAS > Oceanic Circulation in the Western Region of the South Atlantic
COSPAR > Committee on Space Research
COTS > NOAA Coastal Observation Technology System (COTS)
CREDDP > Columbia River Estuary Data Development Program
CRESS > The Commercial Remote Sensing For Earth System Science Project
CRESTA > Catastrophe Risk Evaluating and Standardising Target Accumulations
CRN > Collaborative Research Network Program (IAI)

CRP > Cape Roberts Project
CRREL > U.S. Army Cold Regions Research and Engineering Laboratory
CRYSTAL-FACE > Cirrus Reg. Study of Tropical Anvils and Cirrus Layers - FL Area Cirrus Exp.
CRYSYS > Variability and Change in the Cryospheric System in Canada
CUENCAS SEDIMENTARIAS
CUENCAS_SEDIMENTARIAS
CURTAIN I-VIII
CWP > Coastal Wave Program
DAPTF > DECLINING AMPHIBIAN POPULATION TASK FORCE
DART > Deep-ocean Assessment and Reporting of Tsunamis Project
DBH > DEGRADACION BACTERIANA DE HIDROCARBUROS
DE > DIGITAL EARTH
DENALI > Denali National Park and Preserve
DHARMA > Diversity, Heterotrophy, Autotrophy & Relationship with Antarctic Microorganisms
DIAAB > Diseases and Infectious Agents of Antarctic Birds. IAA Project No. 48 2002-2004
DINOCEANTAR > Dinamica_Oceanica_Antartica
DIS > Data and Information Service
DISCOVER > Distributed Info. Services for Climate/Ocean Prod./Visualizations for Earth Res.
DKLN > Digital Kleur Luchtfotokaart van Nederland
DLP > Digital Library Project
DMSP > Defense Meteorological Satellite Program
DNAG > Decade of North American Geology
DODS > Distributed Oceanographic Data System
DOERAP > Department of Energy Resource Assessment Program
DOMES > Deep Ocean Mining Environmental Study
DSCVR
DUACS > Developing Use of Altimetry for Climate Studies
DULLES EXPERIMENT > Dulles International Airport Experiment
DUNDEE > Down-Under Doppler and Electricity Experiment
DVS > THE ANTARCTIC DRY VALLEY SOILS PROJECT
DYCOMS-II > Dynamics and Chemistry of Marine Stratocumulus Phase II
EAFSA > Ecology of Antarctic Fish in the Scotia Arc. IAA Project No. 23 2002-2004
EASIZ > Ecology of the Antarctic Sea Ice Zone
EASOE > European Arctic and Stratospheric Ozone Experiment
EBC > Eastern Boundary Current
ECLIPS > Experimental Cloud Lidar Pilot Study
ECOHAB > Ecology and Oceanography of Harmful Algal Bloom
ECOLOGIA_DEL_PLANCTON
ECORS > STUDY OF THE CONTINENTS AND OCEANS BY SEISMIC REFLECTION
EDGAR > Emission Database for Global Atmospheric Research
EDIMS > UNH Environmental Data and Information Management System
EFX > Elkins Flux Experiment
EMAP > Environmental Monitoring and Assessment Program
EMEFS > Eulerian Model Evaluation Field Study
EMOLT > Environmental Monitors on Lobster Traps
EMP > Ecosystem Monitoring Program (Monitoreo de Ecosistemas)
EMPACT > Environmental Monitoring for Public Access and Community Tracking
ENERGIAS_NO_CONVENCIONALES > Vulcanologia Monitoreo
EOLE > AEOLUS
EOS > Earth Observing System
EOSAP > Earth Observing System Amazon Project
EOSDIS > Earth Observing System Data Information System
EOSEP > Earth Observing System Education Project
EOSNRP > Earth Observing System Natural Resource Project
EOSRAM > Earth Observing System Regional Amazon Model
EPA CTMD PROGRAM > EPA Complex Terrain Model Development Program
EPA GCRP > EPA Global Change Research Program
EPA/GMP > Gulf of Mexico Program, Environmental Protection Agency
EPA/PLACES > Geographic Places, U.S. Environmental Protection Agency
EPIC > Eastern Pacific Investigation of Climate
EPICA > European Project for Ice Coring in Antarctica
EPN > European Phenology Network
EPOCS > Equatorial Pacific Ocean Climate Studies
EPPB > Enzyme production by psychrophilic bacteria
ERAQS > Eastern Regional Air Quality Study
ERBS/ERBE > Earth Radiation Budget Experiment

ERDPHPC > Ecologic Role and Distribution Patterns of Heterotrophic Planktonic Community
ERICA > Experiment Rapidly Intensifying Cyclones Atlantic
ERM > Exact Repeat Mission
ESI > Environmental Sustainability Index
ESIP > Earth Science Information Partners Program
ESTN > Estuarine Nitrogen
ETPA > Ecologia Trofica de Pinguinos Antarticos
EUBEX > Eurasian Basin Experiment
EUCREX-93
EUCREX-94
EUROCS > European Cloud Systems
EUROTAC-TOR > The EUREKA Environmental Tropospheric Ozone Research Programme
EUVRAB > Effects of UV radiation on Antarctic bacteria
EVOLANTA > Evolution in the Antarctic
F DRAKE > First Dynamic Response and Kinematic Experiment in the Drake Passage
FACE > Free Air CO2 Enrichment Program
FACTS-II > Forest Atmosphere Carbon Transfer and Storage - II
FADMP > Florida Acid Deposition Monitoring Program
FADS > Florida Acid Deposition Study
FASTEX > Fronts and Atlantic Storm Track Experiment
FBPK > Flora Bacteriana De Peces Y Krill
FED > Forest Ecosystem Dynamics
FED MAC > Forest Ecosystem Dynamics Multisensor Airborne Campaign
FGE > Flare Genesis Experiment
FHM > Forest Health Monitoring
FIBEX > First International BIOMASS Experiment
FIFE > First ISLSCP Field Experiment
FIFO > FIFE Follow-On
FINNARP > FINNISH ANTARCTIC RESEARCH PROGRAM
FINSKEN > Global Change Scenarios for Finland
FIPS > Forest Inventory and Planning System
FIRE > First ISCCP Regional Experiment
FIRE I > First ISCCP Regional Experiment - Cirrus I
FIRE II > First ISCCP Regional Experiment - Cirrus II
FIRE/ACE > First ISCCP Regional Experiment Arctic Cloud Experiment
FIRE/MS > First ISCCP Regional Experiment Marine Stratus
FIRE/MTV > Fire in Global Resources and Environmental Monitoring
FIRESKAN
FLARES 22 > Flares Research at the Maximum of Solar Cycle 22
FLEX
FLORENCE > FLux Oceaniques Restitues par bilan d'ENergie a la surfaCE
FLUAMAZON > Amazon Moisture Flux Experiment
FLUXNET
FOCI > Fisheries Oceanography Cooperative Investigation
FOODBANCS > Food for Benthos on the Antarctic Continental Shelf
FORAST > Forest Response to Anthropogenic Stress
FRAMZY > THE FRAM STRAIT CYCLONE EXPERIMENT
FRAQS > Front Range Air Quality Study
FRENTES_OCEANICOS
FRLAB > Front Range Lidar and Balloon Experiment 3
FRONTS 92
GACP > Global Aerosol Climatology Project
GAGE > Global Atmospheric Gases Experiment
GAIM > Global Analysis, Interpretation and Modelling, IGBP
GALE > Genesis of Atlantic Lows Experiment
GALVESTON BAY BAIT SURVEY
GAME/ANN > GEWEX Asian Monsoon Experiment/Asian Automated Weather Station Network
GAMETAG > Global Atmospheric Measurements Experiment on Tropospheric Aerosols and Gases
GANOVEX VI > Aeromagnetic Investigations in North Victoria Land
GAP > Glaciology of the Antarctic Peninsula
GAPP > GEWEX Americas Prediction Project
GARP/FGGE > Global Atmospheric Research Program/First Garp Global Experiment (GARP/FGGE)
GATE > GARP Atlantic Tropical Experiment
GAW > Global Atmosphere Watch
GBA2000 > Global Burnt Area 2000
GCCHP > Global Change Climate History Project

GCIP > GEWEX Continental-Scale International Project
GCOS > Global Climate Observing System
GCP > Global Geodynamic Project
GCPS > Global Climate Perspectives System
GCRMN > Global Coral Reef Monitoring Network
GCSS-DIME > GEWEX Cloud System Study Data Integration for Model Evaluation
GCTE > Global Change and Terrestrial Ecosystems, IGBP
GDP > Global Demography Project
GEC > Geospace Electrodynamical Connections
GED > Global Ecosystems Database
GEIA > Global Emissions Inventory Activity
GEO-MEX > Georeferenced Population Data Sets of Mexico
GEODE > Geographic Data in Education
GEOMAC > Geospatial Multi-Agency Coordination Group
GEOSCOPE > Interactive Global Change Encyclopedia
GEOSECS > Geochemical Ocean Section Study
GEOSS > Global Earth Observation System of Systems
GEWEX > Global Energy and Water Cycle Experiment
GFW > Global Forest Watch
GGBRB > Geochemistry and Geophysics of the Buquira River Basin
GGD > Global Geocryological Data System
GHCN > Global Historical Climatology Network
GHRST-PP > GODAE High Resolution Sea Surface Temperature Pilot Project
GIANT > Geodetic Infrastructure in Antarctica
GIG91 > GPS IERS and Geodynamics Experiment
GIS > Global Impact Studies Project
GISP2 > Greenland Ice Sheet Project II
GLIMS > Global Land Ice Measurements from Space
GLOBAL GIS > Global Geographic Information Systems
GLOBE > Global Learning and Observations to Benefit the Environment
GLOBEC > Global Ocean Ecosystem Dynamics, IGBP
GLOBMET > Global Meteor Observation System
GLODAP > Global Ocean Data Analysis Project
GLOSS > Global Sea Level Observing System
GLP > Great Lakes Program
GMCC > Geophysical Monitoring for Climate Change (NOAA)
GMPP > GEOLOGICAL MAPPING OF POTTER PENINSULA
GNIS > Geographic Names Information System
GOALS > Global Ocean Atmosphere Land System
GODAE > Global Ocean Data Assimilation Experiment
GOES > Geostationary Operational Environmental Satellites
GOFC > Global Observation of Forest Cover
GOME > Global Ozone Monitoring Experiment
GOMODP > Gulf of Maine Ocean Data Partnership
GOMOOS > Gulf of Maine Ocean Observing System
GOMPOP > Gulf of Mexico Physical Oceanography Program
GONG > Global Oscillation Network Group
GOOS > Global Ocean Observing System
GOSECS > Geochemical Ocean Sections Study
GPCC > Global Precipitation Climatology Centre
GPCJR > Geología y Paleontología de la Cuenca James Ross
GPCP > Global Precipitation Climatology Project
GPM > Global Precipitation Measurement
GPS/MET > Global Positioning System Meteorology Experiment
GPW > Gridded Population of the World
GRACE > Gravity Recovery and Climate Experiment
GRANIT > Geographically Referenced Analysis and Information Transfer System
GRAPES > Grapevine Remote Sensing Analysis of Phylloxera Early Stress
GRAVSAT > Gravity Satellite
GRFM > Global Rain Forest Mapping Project
GRIP > Greenland Ice Core Project
GRSFE > Geologic Remote Sensing Field Experiment
GSHAP > Global Seismic Hazard Assessment Program
GSWP > Global Soil Wetness Project
GTE > Global Tropospheric Experiment
GTE/TRACE-A > GTE/Transport and Atmospheric Chemistry near the Equator-Atlantic

GTE/TRACE-P > GTE/TRAnsport and Chemical Evolution over the Pacific
GTMS > Global Thermosphere Mapping Study
GTN-P > Global Terrestrial Network for Permafrost
GTOPO30 > Global 30-Arc-Second Elevation Data Set
GTOS > Global Terrestrial Observing System
GULF OF BOTHNIA YEAR 1991
GULFCET II > Gulf of Mexico Cetacean Project II
GUSREX > Gulf Stream Recirculation Experiment
GVP > Global Volcanism Program
HAB > Harmful Algal Bloom
HASP > High Altitude Sampling Program
HBN > Hydrologic Benchmark Network
HBPB > Hydrocarbon Biodegradation by Psychrotrophic Bacteria
HCN > Historical Climatology Network
HIELOANTAR > Antarctic Glaciology
HIFT > Heard Island Feasibility Test
HOT > Hawaiian Ocean Time Series Project
HSRP > High Speed Research Program
HYDROS
HYREX > The Hydrological Radar Experiment
IAA ENVIRONMENTAL PROGRAM
IAA ICHTHYOLOGY
IAA_CRYOLOGY > Instituto Antartico Argentino Cryology Studies
IAA_GEODESY > Instituto Antartico Argentino Geodesy Studies
IABIN > INTER-AMERICAN BIODIVERSITY INFORMATION NETWORK
IAI-DIS > Inter-American Institute for Global Change Research
IBP > International Biological Programme
IBSS > Infrared Background Signature Survey
ICBEMP > INTERIOR COLUMBIA ECOSYSTEM MANAGEMENT PROJECT
ICE-89
ICESAT > Ice, Cloud and Land Elevation Satellite
ICRCCM > Intercomparison of Radiation Codes in Climate Models
IDA > International Deployment of Accelerometers
IDOE > International Decade of Ocean Exploration
IDS > International DORIS Service (IDS)
IDS-LSC > Interdisciplinary Sciences-Land Surface Climatology
IERS > International Earth Rotation Service
IFFM > Integrated Forest Fire Management
IFS > Integrated Forest Study
IGAC > International Global Atmospheric Chemistry Project, IGBP
IGBP > International Geosphere-Biosphere Programme
IGBP-DIS > International Geosphere-Biosphere Program Data and Information System
IGCP > International Geological Correlation Program
IGCP324 > INTERNATIONAL GEOLOGICAL CORRELATION PROGRAMME PROJECT 324
IGOSS > Integrated Global Ocean Services System
IGS > International GPS Geodynamics Service
IHDP > International Human Dimensions Programme
IHP > International Hydrological Programme
ILRDSS > Illinois Rivers Decision Support System
ILRS > International Laser Ranging Service
ILS > International Latitude Service
IMAGERS > Interactive Multimedia Adventures, Gradeschool Education using Remote Sensing
IMEEMS > International Mount Erebus Eruption Mechanism Study
IMMUNOLOGY > Study of Human Response to Antarctic Environment
IMPACT
IMPROVE > Interagency Monitoring of Protected Visual Environments
IMS > International Magnetosphere Study
INDIGO > Indien Gaz Ocean
INDIVAT/MINERVE > MEASURES A L'INTERFACE EAU-AIR DE LA VARIABILITE DES ECHANGES DE CO2
INDOEX > Indian Ocean Experiment
INFORAIN
INSPIRE > Infrastructure for Spatial Information in Europe
INTERCAMBIO_CALORICO > Study of Food Intake, Calories and Heat Production in Humans in Antarctica
INTERKOSMOS
IODE > International Oceanographic Data and Information Exchange
IOOS > Integrated Ocean Observing System

IPA > International Permafrost Association
IPAB > International Program for Antarctic Buoys
IPCC > Intergovernmental Panel on Climate Change
IPE-1 > PANTANAL MATOGROSSENSE METEOROLOGIC PROJECT
IPMS > International Polar Motion Service
IPOD > International Phase of Ocean Drilling
ISCAT > Investigation of Sulfur Chemistry in Antarctic Troposphere
ISCCP > International Satellite Cloud Climatology Project
ISD > Invasive Species Databases
ISLSCP > International Satellite Land Surface Climatology Project
ISLSCP INITIATIVE-I > International Satellite Land Surface Climatology Project Initiative-I
ISMEX > Iowa Soil Moisture Experiment
ISOS > International Southern Ocean Studies
ISP > Initial Science Program (IAI)
ISPOL > ICE STATION POLARSTERN FIELD EXPERIMENT
ISPOL > Ice Station POLarstern Field Experiment
ISTP > International Solar Terrestrial Physics Program
ITEX > International Tundra Experiment
ITSP > International Terrestrial Solar Physics Project
IVARS > International Variability in the Ross Sea
IVS > International VLBI Service for Geodesy and Astrometry
IXTOC
JAPACS > Japanese Pacific Climate Studies
JARE > Japanese Antarctic Research Expedition
JARE 18 > Japanese Antarctic Research Expedition 18
JARE 20 > Japanese Antarctic Research Expedition 20
JARE 21 > Japanese Antarctic Research Expedition 21
JARE 22 > Japanese Antarctic Research Expedition 22
JARE 23 > Japanese Antarctic Research Expedition 23
JARE 24 > Japanese Antarctic Research Expedition 24
JARE 25 > Japanese Antarctic Research Expedition 25
JARE 26 > Japanese Antarctic Research Expedition 26
JARE 27 > Japanese Antarctic Research Expedition 27
JARE 28 > Japanese Antarctic Research Expedition 28
JARE 31 > Japanese Antarctic Research Expedition 31
JARE 41 > Japanese Antarctic Research Expedition 41
JASIN78 > Joint Air-Sea Interaction Project
JASON-1
JC-JSOD > Japan-China Joint Study on Desertification
JCOMM > Joint WMO/IOC Commission for Oceanography and Marine Meteorology
JGOFS > Joint Global Ocean Flux Study, IGBP
JONSDAP76 > Joint North Sea Data Acquisition Project
JONSWAP > Joint North Sea Wave Project
JRB-GEOLOGY-PALAEONTOLOGY > Geology and Paleontology of the James Ross Basin. IAA Project No 4 2002-2004
K-T BIOGENIC RELATIONSHIPS > K-T Biogenic Relationships: N. Antarctic Peninsula and S. South America
KONVEX > KONza Validation EXperiment
KWAJEX > Kwajalein Experiment
L-RERP > Puget Sound Long-Range Effects Program
LAKE MICHIGAN ECOL. MONITOR
LAKE-ICE > Lake-Induced Convection Experiment
LANDMAP
LANDSAT 7
LANDSAT-7 > Landsat-7 Project
LARC > LABORATORIO ANTARTICO DE RADIACION COSMICA
LARGE SCALE PROJECT
LASE > Lidar Atmospheric Sensing Experiment
LATEX > Louisiana-Texas Shelf Physical Oceanography Program
LAWN > LTER Automatic Weather Network
LBA > Large Scale Biosphere-Atmosphere Experiment in Amazonia
LCCP > LAND COVER CHARACTERIZATION PROGRAM
LCDI > Limnology of continental aquatic environments & algal diversity, Deception Is.
LCFRP > Lower Cape Fear River Program
LCTP > LAND COVER TRENDS PROJECT
LDCM > Landsat Data Continuity Mission
LEADEX > Arctic Leads Experiment
LEADS ARI > Office of Naval Research Arctic Leads Accelerated Research Initiative

LGP > Latitudinal Gradient Project
LIMITE DE LA CUENCA LARSEN > LIMITE DE LA CUENCA LARSEN, Project 02 2002-2004
LIS > Lightning Imaging Sensor Project
LITE > Lidar In-Space Technology Experiment
LMER > Land Margin Ecosystem Research Project
LMOS > Lake Michigan Ozone Study
LMREI > Lower Missouri River Ecosystem Initiative
LOICZ > Land-Ocean Interactions in the Coastal Zone, IGBP
LOIS > Land Ocean Interaction Study
LOWS > Lake Ontario Winter Storms Experiment
LP > Limnopolar Program
LS > LandScan
LTBRA. > Lake Tahoe Basin Riparian Assessment
LTER > Long-Term Ecological Research
LTP > Learning Technologies Project
LUCC > Land Use and Land Cover Change, IGBP
LWP > Last of the Wild Project
MAB > Man-And-the-Biosphere
MAGIA > Structure, Stratigraphy, and Sedimentology North of the Antarctic Peninsula
MAGNET
MAGS > Mackenzie GEWEX Study
MAP > Middle Atmosphere Program
MAP/WINE > Middle Atmosphere Program/Winter in Northern Europe
MAP3S > Multistate Atmospheric Power Production Pollution Study
MAPS > Measurement of Air Pollution from Satellites
MARINE MAMMALS PROJECT
MARINE_MAMMALS_PROGRAM > Marine Mammals Dynamic Population in South Orkney Is. & South Shetland Is.
MARIS > Multi Aquatic Resource Information System
MARMAP > Marine Resources, Monitoring, Assessment and Prediction
MARPOLMON
MASAR > Mid Atlantic Slope Rise Experiment
MAST > Monterey Area Ship Tracks
MAX91 > The U.S. Max '91 Program of Flare Research Campaigns
MBNMS > Monterey Bay National Marine Sanctuary Project
MC > Magnetospheric Constellation
MDN > Mercury Deposition Program
MECCA > Model Evaluation Consortium for Climate Change Assessment
MECHANISM ON ASIAN MONSOON
MEDALPEX > Mediterranean Alpine Experiment
MEDIO_AMBIENTE
MELTPOND2000 > Meltpond2000, NASA
MERCATOR > MERCATOR OCEAN-Operational Oceanography
MERHAB > Monitoring and Event Response for Harmful Algal Blooms
MERIT > Monitoring Earth Rotation and Intercompare Techniques
MERSEA > Marine Environment and Security for the European Area Project
MESA > Marine Ecosystems Analysis (Puget Sound) Project
MESOGAMM 86
MFSTEP > Mediterranean Ocean Forecasting System: Toward Environmental Predictions
MICROFRONTS > MICROFRINTS Experiment
MINERAL RESOURCES > SISMOANTAR
MISR > Multi-angle Imaging SpectroRadiometer
MIZEX > Marginal Ice Zone Experiment
MIZEX-WEST > Marginal Ice Zone Experiment-West
MIZPAC > Marginal Sea Ice Zone Pacific
MLML89 > Marine Light-Mixed Layer Experiment 89
MMS > Magnetosphere MultiScale
MOHAVE > Measurement of Haze and Visual Effects
MONEX > Monsoon Experiment
MONITOREO VOLCANOLOGICO > VOLCANOLOGIA DECEPCION
MONITOREO_DE_ECOSISTEMAS > Penguin Monitoring of Antarctic Peninsula, South Orkney Is., South Shetland Is.
MOPITT > Measurements Of Pollution In The Troposphere
MOWC > Multiple Oscillating Water Column
MPA > Marine Protected Area
MRS > Marine Remote Sensing
MTPE > Museums Teaching Planet Earth
NADP > National Atmospheric Deposition Program

NADS > NASA ASTROPHYSICS DATA SYSTEM
NAGD > National Aggregates of Geospatial Data Collection
NANSEN > North Atlantic Norwegian Sea Exchange
NAPAP > National Acid Precipitation Assessment Program
NARP > National Antarctic Research Projects, Argentina
NARSTO > North American Research Strategy for Tropospheric Ozone
NASA/COTF > NASA's Classroom of the Future
NATURE_GIS
NAWQA > National Water Quality Assessment Program
NBIOME > Northern Biosphere Observation and Modelling Experiment
NCCCS > Northern California Coastal Circulation Study
NCCOOS > North Carolina Coastal Ocean Observing System
NCSS > National Cooperative Soil Survey
NCTS > Northern California Transport Study
NDSC > Network for Detection of Stratospheric Change
NDTP > North Dakota Thunderstorm Project
NEI > National Estuarine Inventory
NEMO > New Millennium Observatory Project
NEMP > Northeast Monitoring Program
NERR > National Estuarine Research Reserve
NEXRAD > NEXt Generation Weather RADar
NFDP > National Forestry Database Program, Canada
NGDRS > National Geoscience Data Repository System
NGRIP > North Greenland Ice-Core Project
NICAL
NILS > National Integrated Land System
NIN > Northern Information Network
NLCCP > NATIONAL LAND COVER CHARACTERIZATION PROJECT
NLCEP > National Lewis and Clark Education Project
NMP EO-1 > New Millennium Program Earth Observing-1
NOAA/NASA PATHFINDER > NOAA/NASA Pathfinder Program
NODC/COL > Coastal Ocean Laboratory, National Oceanographic Data Center, NOAA
NOMADS > The NOAA Operational Model Archive and Distribution System
NOPP > National Oceanographic Partnership Program
NORDIC-WOCE > NORDIC WORLD OCEAN CIRCULATION EXPERIMENT
NORPAX > North Pacific Shuttle Experiment
NORSWAM > North Sea Wave Model
NPP > Net Primary Productivity Database (ORNL)
NRI > National Resources Inventory
NS&T > National Status and Trends Program
NSD > Nonindigenous Species Databases
NSDP > NASA Scientific Data Purchase
NSF/OPP > Office of Polar Programs, National Science Foundation
NSHMP > National Seismic Hazard Mapping Project
NSTS > Nearshore Sediment Transport Study
NSWS > National Surface Water Survey
NTHMP > National Tsunami Hazard Mitigation Program
NTN > National Trends Network
NVAP > NASA Water Vapor Project
NWI > National Wetlands Inventory
NWRBDP > National Wildlife Refuge Boundary Digitizing Project
O'HARE EXPERIMENT > O'Hare Airport Experiment
OACES > Ocean-Atmosphere Carbon Exchange Study
OAXTC > Ocean/Atmosphere Exchange of Trace Compounds
OBIS > OCEAN BIOGEOGRAPHIC INFORMATION SYSTEM
OBIS > Ocean Biogeographic Information System
OCEAN > Ocean Color European Archive Network
OCEANOGRAFIA BIOLOGICA > Particle dynamics and pelagic-benthic coupling in Potter Cove
OCEANOGRAFIA_COSTERA
OCO > Orbiting Carbon Observatory
OCRS > Ocean Color Remote Sensing
OCS > Outer Continental Shelf Program
OCSEAP > Ocean Continental Shelf Environmental Assessment Project
ODP/DSDP > Ocean Drilling Program / Deep Sea Drilling Program
ODPS > Ocean Discipline Processing System, NASA
OEN > Operational Evaluation Network

OGC/WCS > OpenGIS Consortium/Web Coverage Service
OGC/WFS > OpenGIS Consortium/Web Feature Server
OGC/WMS > OpenGIS Consortium/Web Mapping Service
OISO > SERVICE D'OBSERVATION DE L'OCEAN INDIEN
ONR OCEAN OPTICS > Office of Naval Research Ocean Optics
OOFASH > Oceanographic Observations of Fisheries at the Adjacent Seas of Hokkaido
OPENDAP > Open-source Project for a Network Data Access Protocol
OPUS > Observations of Persistent Upwelling Structures
OSADAMO > Oxidative Stress and Antioxidant Defenses in Antarctic Marine Organisms
OSCAR > Ocean Surface Current Analyses-Real time
OTEC > Ocean Thermal Energy Conversion
OTTER > Oregon Transect Ecosystem Research Project
PACS > Pan-American Climate Studies
PAGES > Past Global Changes, IGBP
PALEOMAP > PALEOMAP Project
PARCA > Program in Arctic Regional Climate Assessment
PARDYP > People and Resource Dynamics Project
PASA > Proyecto Argentino de Sismologia Antartica
PCCI-BMBF > PROGRAMA DE COOPERACION CIENTIFICA INTERNATIONAL (PCCI) - BMBF (ALEMANIA)
PCMDI > Program for Climate Model Diagnoses and Intercomparison
PDDb > Paleobiology Data Base Project
PEM > Pacific Exploratory Mission in the Tropical Pacific
PEMG > FRENCH FIRST GLOBAL METEOROLOGIC EXPERIMENT
PFSFC > Project on the Forecast of Sea and Fishing Conditions
PG > Portland Greenmap
PICTA > Project for Antarctic Science and Technology
PINGFO > Instituto Antartico Argentino (IAA) Project No. 01 Years 2002-2004
PIRATA > Pilot Research Moored Array in the Tropical Atlantic
PLANKTONIC COPEPODS > Population dynamic of planktonic copepods in shallow Antarctic waters
PM-ESIP > Passive Microwave ESIP
PMIP > Paleoclimate Modelling Intercomparison Project
PMV > Plume Model Validation and Development Study
PNRA > Programma Nazionale di Ricerche in Antartide
POES > Polar-orbiting Operational Environmental Satellites
POLARIS > Photochemistry of Ozone Loss in the Arctic Region in Summer
POLES > Polar Exchange at the Sea Surface
POLYMODE
POST > PACIFIC OCEAN SHELF TRACKING PROJECT
POST > Pacific Ocean Shelf Tracking
PPGM > Geocryological and Paleoclimatic Conditions. IAA Project No. 17 2002-2004
PRECP-V > Processing of Emissions by Clouds and Radiation V
PREOPERATIONAL SURVEY OF A DUMP > Preoperational Survey of a Dumping Site of Low-Level Radioactive Wastes
PRIRODA > PRIRODA International Scientific Remote Sensing Project
PRISM > Pleistocene, Research, Interpretation, and Synoptic Mapping Project
PRISM/OCS > Parameter-elevation Regressions on Independent Slopes
PROARCA/CAPAS > Central America Protected Areas System
PROBE > Pilot Radiation Observation Experiment
PROBES > Processes and Resources of the Bering Sea Shelf
PROGRAMA MEDIO AMBIENTE
PROVE > PROTOTYPE VALIDATION EXERCISE
PROYECTO LAGOS-COMAHUE
PRSFSES > Post-reproduction Studies of Female Southern Elephant Seals
PSICOANTAR II > Psychosocial study of human adaptation to living in Antarctica
PTBH > Permian-Triassic Basin History of Southern Victoria Land & the Darwin Mountains
PTP > Pamir-Tianshan Project
PULSE > Partnership for Pelagic Ecosystem Monitoring in the Gulf of Maine
PWG > Polar, Wind, Geotail Project
PYS > Project of Yatsushiro Sea
P_MINUS_E > Separating net accumulation into precipitation and sublimation in firn
QUAKESIM > QUAKESIM
QUIKSCAT > Quick Scatterometer
RADAM
RAISE > Russian-American Initiative on Shelf-Land Environments in the Arctic
RAMP > Radarsat Antarctic Mapping Project
RAPID > RAPID CLIMATE CHANGE
RASA > Regional Aquifer System Analysis Program

RB > Revitalizing Baltimore
REACH > Regional Ecology and Coastal Hydrography Data in the Western Gulf of Maine
READER > REference Antarctic Data for Environmental Research
REASON > Research, Education, and Applications Solution Network
REBEX-1 > Radiobrightness Energy Balance Experiment
RECURSOS MINERALES
RECURSOS PESQUEROS > Fishing Resources, Instituto Antartico Argentino
REEF > Reef Environmental Education Foundation
REEF RELIEF > Reef Relief Organization
RIEH > Race, Income and Environmental Hazards
RISCC > Regional Sensitivity to Climate Change
RITS 89 > Radiatively Important Trace Species 1989
RIVDIS > GLOBAL RIVER DISCHARGE
RLC > RUSSIAN LAND COVER
ROME
ROPEX > RONNE POLYNIA EXPERIMENT
ROSE > Rural Oxident in a Southern Environment
RSD > Public Use of Remote Sensing Data Project
RSS > Reflection Seismic Survey
RUV VISUAL > Impacto de la RUV en sistema visual
RVAP > Rifting and Volcanism on the Antarctic Peninsula
SACC > South Atlantic Climate Change Program
SAFARI 2000 > The Southern African Regional Science Initiative Project
SAGA > Andes Project
SAGA II/III > Soviet/American Gas and Aerosol Expedition
SAGE I > Stratospheric Aerosol and Gas Experiment I
SAGE II > Stratospheric Aerosol and Gas Experiment II
SAGE III > Stratospheric Aerosol and Gas Experiment III
SAHEL_NAFR > Sahelian and NW Africa 14-Day NDVI Composites
SAHFOS > Sir Alister Hardy Foundation for Ocean Science
SAM-II > Stratospheric Aerosol Measurement II
SANGIS > San Diego Geographic Information Systems
SAR > Species At Risk
SBC > Special Bureau for the Core, GGFC, IERS
SBC/SMB > Santa Barbara Channel/Santa Marine Basin Study
SBCS > Santa Barbara Channel Study
SBI > Western Arctic Shelf Basin Interactions
SBPPR > Study of Biology and Predator-Prey Relationships. IAA Project No. 29 2002-2004
SCAMP > Southern California Areal Mapping Project
SCAR-B > Smoke, Clouds, and Radiation - Brazil
SCARP > Scotia Arc Research Project
SCAR_A > Sulfates, Clouds and Radiation America
SCAR_ANTOSTRAT > SCAR ANTARCTIC OFFSHORE STRATIGRAPHY PROGRAM
SCAR_KGIS > SCAR King George Island GIS Project
SCAR_SDLS > SCAR ANTARCTIC SEISMIC DATA LIBRARY SYSTEM FOR COOPERATIVE RESEARCH
SCCWRP > Southern California Coastal Water Research Project
SCENES > Subregional Cooperative Electric Utility, NPS and EPA Study
SCEPP > South Carolina Earth Physics Project
SCICEX > Scientific Ice Expeditions
SCISAT_ACE > Atmospheric Chemistry Experiment
SCOPE NITROGEN > SCOPE NITROGEN PROJECT
SCOPEX > The South Channel Ocean Productivity Experiment
SCP > NASA Scatterometer Climate Record Pathfinder
SCTS > Southern California Transport Study
SCWA > Seminole County Watershed Atlas
SEACOOS > Southeastern Coastal Ocean Observing System
SEAKEYS > Sustained Ecological Research Related to Management of the Florida Keys Seascape
SEAS > Shipboard Environmental Aquisition System
SEATAR > Studies of East Asia Tectonics and Resources
SEAWIFS > Sea-viewing Wide Field-of-view Sensor
SEAWINDS
SEDAC/AIACC QS > SEDAC Assessments of Impacts and Adaptations to Climate Change Query Service
SEDAC/DDCARTO > SEDAC Demographic Data Cartogram
SEDAC/DDVIEWER > SEDAC Demographic Data Viewer
SEDAC/ENTRI > SEDAC Environmental Treaties and Resource Indicators
SEDAC/ESI E-SEMINAR > Environmental Sustainability Index E-Seminar, SEDAC

SEDAC/ESI VIEWER > Environmental Sustainability Index Viewer
SEDAC/GEOCORR > SEDAC Geographic Correspondence
SEDAC/GISS CROP-CLIM DBQ > SEDAC Goddard Institute for Space Studies Crop-Climate Database Query
SEDAC/GW > SEDAC Gateway
SEDAC/RAMSAR > Ramsar Gateway
SEDAC/TG > Thematic Guides, SEDAC
SEDAC/URS > Urban Remote Sensing
SEDAC/US-MEX DDVIEWER > United States-Mexico Demographic Data Viewer
SEDBAS > Sedimentary Basins
SEISCAN > SEISCAN PROJECT
SEP > SEBAL Evapotranspiration Project
SEPA > Seismic Experiment in Patagonia and Antarctica
SEQUAL > Seasonal Response of the Equatorial Atlantic
SESAME > Second European Stratospheric Arctic and Mid-Latitude Experiment
SESBNS > Southern Elephant Seals Biochemical-Nutritional Studies IAA Project 45 2002-2004
SFP > SOUTHERN FIRE PORTAL
SGP00 > Southern Great Plains 2000 Hydrology Experiment
SGP94 > Southern Great Plains 1994 Hydrology Experiment
SGP97 > Southern Great Plains 1997 Hydrology Experiment
SHADOZ > Southern Hemisphere ADditional OZonesondes
SHEBA > Surface Heat Budget of the Arctic Ocean
SHOALS > SCANNING HYDROGRAPHIC OPERATIONAL AIRBORNE LIDAR SURVEY
SIBEX > Second International Biomass Experiment
SICPP > Seasonal-to-Interannual Climate Prediction Program
SIESIP > Seasonal to Inter-annual Earth Science Information Partners
SIID-SMARA > Sea Ice and Iceberg Drift Project, Servicio Meteorologico de la Armada
SIMBIOS > Sensor Intercomparison Merger for Biological Interdisciplinary Oceanic Studies
SINODE > SEASONAL VARIATIONS OF THE SURFACE LAYERS PROJECT
SIZEX > Seasonal Ice Zone Experiment
SJVAQS > San Joaquin Valley Air Quality Study
SMEX02 > Soil Moisture Experiments in 2002
SMILE > Shelf Mixed Layer Experiment
SMP > Southern Maryland Project
SNGCRP > Sierra Nevada Global Change Research Program
SO-FIA > Southern Forest Experiment Station/Forest Inventory and Analysis
SOAR > Support Office for Aerogeophysical Research
SOAR-LVS > Support Office for Aerogeophysical Research Lake Vostok Project
SOAR-TAM > Support Office for Aerogeophysical Research Transantarctic Mountains Project
SOLAR-B
SOLVE > SAGE III Ozone Loss and Validation Experiment
SOLVE II > SAGE III Ozone Loss and Validation Experiment II
SOME > Southern Ocean Magnetometer Experiment
SONEX > Subsonic Assessment - Ozone and Nitrogen Oxide Experiment
SORCE > Solar Radiation and Climate Experiment
SOS > Southern Oxidants Study
SOUTH.CAL.OCS BASELINE
SP > SIRENIA PROJECT
SPACC > Small Pelagic Fish and Climate Change, GLOBEC
SPADE > Stratospheric Photochemistry, Aerosols and Dynamics Expedition
SPARCE > Schools of the Pacific Rainfall Climate Experiment
SPECMAP
SPECTRE > Spectral Radiance Experiment
SPREX > Spring Removal Experiment
SRB > Surface Radiation Budget
SRES > Special Report Emissions Scenarios
SRTM > Shuttle Radar Topography Mission
SSDP > SALTON SEA DATABASE PROGRAM
SSE > Surface Solar Energy
SSEOP > Space Shuttle Earth Photographs Observation Project
STACS
STARDUST
START > Global Change System for Analysis, Research and Training, IGBP
STCSMS > Scientific and Technical Cooperation in Surveying
STEP > Stratosphere-Troposphere Exchange Project
STERNA92
STLHBA > Submarine Topography of Lutzow-Holm Bay, Antarctica

STORM > Storm Operational Research Project
STORM-FEST > STORM-Fronts Experiment Systems Test
STORM-WAVE > STORM-Weather Assimilation and Verification Experiment
STRAT > Stratospheric TRacers of Atmospheric Transport Mission
STREX > Storm Transfer and Response Experiment
SUCCESS > Subsonic Aircraft Contrail and Cloud Effects Special Study
SUEFP > SOUTHEASTERN U.S. ECOLOGICAL FRAMEWORK PROJECT
SUPERDARN > Super Dual Auroral Network
SUPERIOR NATIONAL FOREST
SURE > Sulfate Regional Experiment
SWAMP > Southwest Area Monsoon Project
TAM-CGPS > GPS MEASUREMENTS IN THE TRANSANTARCTIC MOUNTAINS
TAMARA > Transantarctic Mountain Aerogeophysical Research Activities
TAMDEF > TRANSANTARCTIC MOUNTAINS DEFORMATION PROJECT
TAMSEIS > TRANSANTARCTIC MOUNTAINS SEISMIC EXPERIMENT
TAO/TRITON > Tropical Atmosphere Ocean/TRITON
TARFOX > Tropospheric Aerosol Radiative Forcing Observational Experiment
TBS
TCM-90 > Tropical Cyclone Motion
TDE > Throughfall Displacement Experiment
TEFLUN > Texas Florida Underflights Field Experiments
TEFLUN-A > Texas Florida Underflights Field Experiment A
TEFLUN-B > Texas Florida Underflights Field Experiments B
TENAP > Tectonic Evolution of the Northern Antarctic Peninsula
TERRA > Earth Observing System (EOS), TERRA
TES > Tropospheric Emission Spectrometer
TESA > Tectomagmatic Evolution of the Scotia Arc
TESAC > Evolucion Tectonica del Atlantico sur en el Cenozoico
TEXAS/AQS > Texas Air Quality Study
THESEO > Third European Stratospheric Experiment on Ozone - 2000
THORPEX > The Observing-system Research and Prediction EXperiment
TIMED > Thermosphere, Ionosphere, Mesosphere Energetics and Dynamics
TIWE > Tropical Instability Wave Experiment
TOGA > Tropical Ocean Global Atmosphere
TOGA COARE > TOGA Coupled Ocean Atmosphere Response Experiment
TOMS-EP > Total Ozone Mapping Spectrometer-Earth Probe
TOPAZ > Towards an Operational Prediction sys. for N. Atlantic European coastal Zones
TOPEX/POSEIDON > Ocean Topography Experiment
TOVS PATHFINDER > TOVS Path A
TPAF > Taxonomy and physiology of Antarctic fungi
TRANPAT > Antarctic Peninsula Magnetotelluric Transects
TRANSPAC
TREES > Tropical Resources and Environment Monitoring by Satellite
TRMM > Tropical Rainfall Measuring Mission Project
TTO > Transient Tracers Oceans Experiment
TWERLE
U.S.GLOBEC-GB > U.S. Global Ocean Ecosystem Dynamics, Georges Bank
U.S.GLOBEC-NEP > U.S. Global Ocean Ecosystem Dynamics, Northeast Pacific
U.S.GLOBEC-SO > U.S. Global Ocean Ecosystem Dynamics, Southern Ocean
UAPSP > Utility Acid Precipitation Study Program
UARS > Upper Atmosphere Research Satellite
UK CLIMATE RESEARCH PROGRAMME
UMRBPP > Upper Missouri River Basin Pilot Project
UNEP/GRID > UNEP/Global Resources Information Database
US-ITASE > United States - International Antarctic Scientific Expedition
US-MEX > United States-Mexico Data Collection
USAC > Airbone Magnetism and Gravity in Weddell Sea, Antarctica
USACE/WMS > U.S. Army Corps of Engineers Water Management Section
USACORP/WES > U.S. Army Corps of Engineers, Waterworks Exp
USAP > United States Antarctic Program
USARP > U.S. Antarctic Research Program
USDA/UVB > USDA UV-B Radiation Monitoring Program
USGS/EDC/SAST > USGS EDC Scientific Assessment and Strategy Team
USGS_PBS > Place-Based Studies
USGS_SOFIA > South Florida Information Access
UTLS/OZONE > Upper Troposphere Lower Stratosphere Ozone Programme

UV-B JUBANY

VCL > Vegetation Canopy Lidar

VCSE > Virtual Courseware for Science Education

VDI > Volcanology of Deception Island. Project No. 14

VEMAP > Vegetation/Ecosystem Modeling and Analysis Project

VENTS > VENTS Program, Pacific Marine Environmental Laboratory

VETS > Visualization and Enabling Technologies

VIVALDI91

VMP > USGS-NPS Vegetation Mapping Program

VOCAR > Variability of Coastal Atmospheric Refraction

VORTEX > Verification of the Origins of Rotation in Tornadoes Experiment

VRDP > Virtual Reference Desk Project

WAIS WORKSHOP > Workshop Support for West Antarctic Ice Sheet (WAIS) Research

WAISCORES > West Antarctic Ice Sheet Cores

WALE > Western Arctic Linkage Experiment

WAMEX > West African Monsoon Experiment

WATOX > Western Atlantic Ocean Experiment

WAVEMOD

WCMC > World Conservation Monitoring Centre's Marine and Coastal Programme

WCRP > World Climate Research Program

WDC-C2/IONOSPHERE > World Data Center-C2 for Ionosphere

WEPOLEX > Weddell Polynya Expedition

WERATLAS

WETNET

WHALES > Whale Acoustics Project, Pacific Marine Environmental Laboratory

WHP > World Hydrographic Program

WINCE > Winter Cloud Experiment

WISC-T2000 > Wisconsin Snow and Cloud Experiment - Terra 2000

WISP > Winter Icing and Storms Project

WOCE > World Ocean Circulation Experiment

WOCE-CIVA > WOCE-CIVA FRENCH CRUISE EXPERIMENT

WOCE-SU.Z.A.N/SUZIL > WOCE FRENCH STUDY OF FRONTS AND FLUCTUATIONS OF ANTARCTIC CIRCULATION

WQRSBMP > Water Quality Research of Shizugawa Bay of Miyagi Prefecture

WSM > World Stress Map Project

WVSS-I > Water Vapor Sensing System

WW2010 > The Weather World 2010

WWAP > World Water Assessment Programme

WWCA > World Water and Climate Atlas

WWP > The WorldWatcher Project

Annex J: GCMD Instrument Keywords

GCMD valids as at 24-Jun-2005

SHORT_NAME > LONG_NAME

1DP > 1D Particles Probe
2DC > 2D Cloud Probe
3DA > 3D Plasma Analyzer
3DP > 3-D Plasma and Energetic Particle Investigation (WIND)
AA > Atomic Absorption Spectrometer
AAS > Atomic Absorption Spectrophotometry
AATSR > Advanced Along-Track Scanning Radiometer
ACATS > Airborne Chromatograph for Atmospheric Trace Species
ACCELEROGRAPHS
ACCELEROMETERS
ACE-FTS > Fourier Transform Spectrometer
ACOUSTIC RADAR
ACOUSTIC SOUNDERS
ACRIM > Active Cavity Radiometer Irradiance Monitor
ACRIM II > Active Cavity Radiometer Irradiance Monitor II
ACRIM III > Active Cavity Radiometer Irradiance Monitor III
ACTINOMETER > Radiation Thermocouple Actinometer
ADA > Atmospheric Density Accelerometer
ADCP > Acoustic Doppler Current Profiler
ADG > Acoustic Depth Gauge
ADRAD > Texas Aggie Doppler Radar
ADS > Automated DNA Sequencer
AEM > Airborne Electromagnetic Profiler
AEPI > Atmospheric Emissions Photometric Imaging
AERI > Atmospheric Emitted Radiance Interferometer
AEROSOL COLLECTORS
AEROSOL MONITOR
AEROSOL/CLOUD PARTICLE SIZER
AEROVANES
AERS > Atmospheric/Emitted Radiation Sensor
AES > Atmospheric Emission Spectrometer
AETHAELOMETER
AIMR > Airborne Imaging Microwave Radiometer
AIR PERMEAMETERS
AIRBORNE TRACKING SUNPHOTOMETER
AIRGLOW SENSOR
AIRGLOW/AURORA IMAGER
AIRGUN ARRAYS
AIRMISR > Airborne Multi-angle Imaging SpectroRadiometer
AIRS > Atmospheric Infrared Sounder
AIRSAR > Airborne Synthetic Aperture Radar
AIS > Arizona Imager Spectrograph
ALAE > Atmospheric Lyman-Alpha Emissions
ALI > Advanced Land Imager
ALIAS > Airborne Laser Infrared Absorption Spectrometer
ALPS > Airborne Laser Polarization Sensor
ALT (TOPEX) > TOPEX Radar Altimeter
ALTIMETERS
ALTUS DATA COLLECTION SYSTEM
AMI > Active Microwave Instrument
AMMR > Airborne Multichannel Microwave Radiometer
AMMS > Advanced Microwave Moisture Sounder
AMPR > Advanced Microwave Precipitation Radiometer
AMPTE/IRM MAGNETOMETER > AMPTE/IRM Three-axis Fluxgate Magnetometer
AMS > ACCELERATOR MASS SPECTROMETERS
AMSR > Advanced Microwave Scanning Radiometer
AMSR-E > Advanced Microwave Scanning Radiometer-EOS
AMSU-A > Advanced Microwave Sounding Unit-A
AMSU-B > ADVANCED MICROWAVE SOUNDING UNIT B (AMSU-B)
ANEMOMETERS

ANEROID BAROMETERS
ANEROID PRESSURE SENSOR
AOI > Airborne Ocean Color Imager
AOLFL > Airborne Oceanographic Lidar Fluorosensor
AP > AURORAL PHOTOMETER (SNOE)
APMS > Ames Particle Measurement System
APS > Aerodynamic Particle Sizer
ARGOS > ARGOS Data Collection and Position Location System
ARGUS > CO / CH₄ - Carbon Monoxide / Methane
ARMAR > Airborne Rain Mapping Radar
ARP > Acoustic Recording Package
ASAR > Advanced Synthetic Aperture Radar
ASAS > Advanced Solid-state Array Spectroradiometer
ASC > All-Sky Camera
ASPOC > Active Spacecraft Potential Control Experiment
ASTER > Advanced Spaceborne Thermal Emission and Reflection Radiometer
ASUR > Airborne SUBmillimeter Radiometer
ATHOS > Airborne Tropospheric Hydroxides Sensor
ATLAS > Airborne Tunable Laser Absorption Spectrometer
ATM > Airborne Topographic Mapper
ATMOS > Atmospheric Trace Molecule Spectroscopy
ATOVS > ADVANCED TIROS-N OPERATIONAL VERTICAL SOUNDER (ATOVS)
ATSR > Along Track Scanning Radiometer and Microwave Sounder
ATSR-2 > Along-Track Scanning Radiometer 2
AUTOANALYZER
AVAPS > Airborne Vertical Atmosphere Profiling Systems
AVHRR > Advanced Very High Resolution Radiometer
AVIRIS > Airborne Visible and Infrared Imaging Spectrometer
AVNIR > Advanced Visible and Near-Infrared Radiometer
AWIN > Automatic Weigh and Identification Nest-System
AWQT > Apparatus for Water Quality Test
AWS > Automated Weather System
BALANCE
BAROMETERS
BATHYPHOTOMETER
BATHYTHERMOGRAPHS
BATSE > Burst And Transient Source Experiment
BBHSR > Broad Spectral Bandpass Hemispherical Solar Radiometer
BBSS > Balloon-Borne Sounding System
BCS > Bragg Crystal Spectrometer
BEDLOAD SENSORS
BGO > Bismuth Germanate Scintillator
BIMS > Bennett Ion-Mass Spectrometer
BIONESE > Bedford Institute of Oceanography Net Environmental Sampling System
BLIP > Boundary Layer Instrument Package
BOLOMETERS
BONGO NETS
BOPS > Bio Optical Profiling System
BOTTOM PRESSURE GAUGES
BROADBEAM RIOMETERS
BRTS > Background Radiometric Temperature Sensors
BSR > Broadband Solar Radiometer
BUV > Backscatter Ultraviolet
C-SAR > C-Band Synthetic Aperture Radar
C-SCAT > C-Band Scatterometer
C-STAR > Conically-Scanning Two-look Airborne Radiometer
C/P > Coronagraph/Polarimeter
CAMERAS
CAMI > Carbon Monoxide Automatic Measuring Instrument
CAMMICE > Charge And Mass Ion Composition Experiment
CAMRA > CWVC Chilbolton Advanced Meteorological Radar
CAPAC > Cloud and Aerosol Particle Characterization
CAPS > Cloud, Aerosol, Precipitation Spectrometer
CARBON ANALYZERS
CASI > Compact Airborne Spectrographic Imager
CCD IMAGER

CCD LINEAR ARRAY
CDS > Coronal Diagnostics Spectrometer
CEDAR IMAGER
CEILOMETERS
CELIAS > Charge, Element, and Isotope Analysis System
CEP > Cylindrical Electrostatic Probe
CEPPAD > Comprehensive Energetic Particle Pitch Angle Distribution
CEPTOMETERS
CERES > Clouds and Earth's Radiant Energy System
CERES SCANNER > Clouds and the Earth's Radiant Energy System Scanner
CERES-FM1 > Clouds and the Earth's Radiant Energy System - Flight Model 1
CERES-FM2 > Clouds and the Earth's Radiant Energy System - Flight Model 2
CERES-FM3 > Clouds and the Earth's Radiant Energy System - Flight Model 3
CERES-FM4 > Clouds and the Earth's Radiant Energy System - Flight Model 4
CERES-PFM > Clouds and the Earth's Radiant Energy System - Prototype Flight Model
CFDC > Continuous Flow Diffusion Chamber
CHAMP-BLACKJACK
CHEMILUMINESCENCE
CHN ANALYZERS > Carbon, Hydrogen, Nitrogen Analyzers
CIMS > Chemical Ionization Mass Spectrometer
CIN > Cloud Integrating Nephelometer
CIS > Cluster Ion Spectrometry Experiment
CLAES > Cryogenic Limb Array Etalon Spectrometer
CLASS > C-LORAN Atmospheric Sounding System
CLINOMETERS
CLOCKS
CLOUD LIQUID WATER PROBE
CLOUD TOP SPECTROMETER
CLS > Cloud Lidar System
CNC > Condensation Nuclei Counter
CO2 ANALYZERS
CO2NDIR > Carbon Dioxide Nondispersive Infrared Analyzer
COLORIMETERS
COMPASSES
CONDUCTIVITY METERS
CORING DEVICES
CORONAGRAPHS
COSPEC > Correlation Spectrometer
COSPIN > Cosmic and Solar Particle Investigation (Ulysses)
COSSIR > Conical Scanning Sub-mm wave Imaging Radiometer
COSTEP > Comprehensive Suprathermal and Energetic Particle Analyzer
COULOMETERS
CPA > Charged Particle Analyzer
CPC > Cloud Particle Counter
CPFM > Composition and Photodissociative Flux Measurement
CPI > Cloud Particle Imager
CPI-G > Comprehensive Plasma Investigation-Geotail
CPL > Cloud Physics Lidar
CPME > Charged Particle Measurement Experiment (IMP-8)
CPR > Continuous Plankton Recorder
CRIS > Cosmic Ray Isotope Spectrometer
CRNC > Cosmic Ray Nuclear Composition Experiment (IMP-8)
CRS > Cloud Radar System
CRWVA > Combined Recording Wind Vane Anemograph
CSR > Compressive Strength Recorder
CTD > Conductivity, Temperature, Depth
CUFES > Continuous Underway Fish Egg Sampling System
CURRENT METERS
CVI > Counterflow Virtual Impactor
CXRI > Coded Mask X-ray Imager
CZCS > Coastal Zone Color Scanner
DADS > DC-8 DATA ACQUISITION AND DISTRIBUTION SYSTEM
DAEDALUS TMS > Daedalus Thematic Mapper Simulator
DC8 DROPSONDES
DENDROMETERS
DENSIMETERS

DEWPOINT HYDROMETERS

DFS-V48 > DFS-V 48 Channel Seismograph Attached to Seismic Geophones

DFS-V60 > DFS-V 60 Channel Seismograph Attached to Seismic Geophones

DIAL > Differential Absorption Lidar

DIELECTRIC PROBE

DIFFERENTIAL MOBILITY ANALYZERS

DIFLUX MAGNETOMETERS

DIGISONDES

DIGITIZER

DISDROMETERS

DOAS > Differential Optical Absorption Spectrometers

DOBSON SPECTROPHOTOMETERS

DOPPLER BEACONS

DOPPLER RADAR

DOPS > Dual Optical Pulse Sensor

DORIS > Doppler Orbitography and Radiopositioning Integrated by Satellite

DREDGING DEVICES

DRIFTING BUOYS

DROGUES

DROPSONDES

DROPWINDSONDES

DRY BULB THERMOMETERS

DRY DEPOSITION COLLECTORS

DTG > Differential Thermogravimeter

DUST > Ulysses Cosmic Dust Experiment

DWP > Digital Wave Processing Experiment

EB SPECTROMETER > Ebert-Fastie Spectrometer

ECHO SOUNDERS

EDAX > Energy-Dispersive Analysis of X-Ray

EDDY CORRELATION DEVICES

EDI > Electron Drift Instrument (CLUSTER-II)

EDI-E > Electron Drift Instrument (EQUATOR-S)

EDOP > ER2-Doppler Radar

EDXA > Energy Dispersive X-Ray Analyzer

EECA > Electrostatic Energy-Charge Analyzer (IMP-8)

EFD > Electric Fields Detector (Geotail)

EFI > Electric Fields Investigation

EFW > Electric Field and Wave Experiment

EGC > Electron Gas Chromatograph

EGS > EUV Grating Spectrograph

EHAD > ER-2 High Altitude Dropsonde

EIT > Extreme Ultraviolet Imaging Telescope

ELASTIC BACKSCATTER LIDAR

ELDORA > Electra Doppler Radar

ELECTRIC FIELD MILL

ELECTROMAGNETIC DIRECTION METER

ELECTRON MICROPROBES

ELECTRONATORS

ELECTROSTATIC ANALYZERS

EPAC > Energetic Particles Composition Instrument (Ulysses)

EPACT > Energetic Particles: Acceleration, Composition and Transport (WIND)

EPAM > Electron, Proton, and Alpha Monitor

EPE > Energetic Particle Experiment (IMP-8)

EPI > Energy Particle Analyzer

EPIC > Energetic Particle and Ion Composition (Geotail)

EPSONDE

EQUILIBRATORS

ERB > Earth Radiation Budget

ERB-SCANNER

ERBE > Earth Radiation Budget Experiment

ERNE > Energetic and Relativistic Nuclei and Electron

ERS WIND SCATTEROMETER

ESMR > Electronic Scanning Microwave Radiometer

ESTAR > Electronically Scanned Thinned Array Radiometer

ESUM > Extreme Solar UV Monitor

ETM+ > Enhanced Thematic Mapper Plus

EUV SPECTROMETER > Extreme UV Spectrometer
EUVS > Solar Extreme Ultraviolet Spectrophotometer
FAN-ASPIRATED RADIATION SHIELD
FCAS > Focused Cavity Aerosol Spectrometer
FCAS II > Focused Cavity Aerosol Spectrometer II
FGM > CLUSTER-II Fluxgate Monitor
FGM-U > Ulysses Flux Gate Magnetometer
FILTERABLE DEPOSIT JAR SAMPLER
FIRSC > Far-Infrared Sensor for Cirrus
FLAME-IONIZATION DETECTOR
FLASKS
FLUORESCENCE MICROSCOPY
FLUORESCENCE SPECTROSCOPY
FLUOROMETERS
FLUXGATE MAGNETOMETERS
FMCWR > Frequency Modulated Continuous Wave Radar
FOURIER TRANSFORM SPECTROMETERS
FPH > Lyman-Alpha Total Water
FPI > Fabry-Perot Interferometer
FPS > Fabray-Perot Spectrometer
FRRF > Fast Repetition Rate Fluorometer
FSI > Filter Sampling Instrument
FSSP > Forward Scattering Spectrometer Probe
FTIR SPECTROMETER > Fourier Transform Infrared Spectrometer
FUV > Far Ultraviolet Imager (IMAGE)
GAMMA RADIATION DETECTOR
GAMMA RAY SPECTROMETERS
GAS CHROMATOGRAPHS
GAS CORRELATION FILTERS
GAS SENSORS
GBMR > Ground Based Passive Microwave Radiometer
GC-MS > Gas Chromatograph/Mass Spectrometry
GEK > Geomagnetic Electrokinetographs
GEOPHONES
GEOSAR > Geographic Synthetic Aperture Radar
GERDIEN CONDUCTIVITY PROBE
GFC RADIOMETER > Gas Filter Correlated Radiometer
GILLNETS
GLAS > Geoscience Laser Altimeter System
GLI > Global Imager
GLORIA > Geological Long-Range Inclined ASDIC
GME > Goddard Medium Energy Experiment (IMP-8)
GOES I-M IMAGER
GOES I-M SOUNDER
GOES IMAGER
GOLF > Global Oscillations at Low Frequencies
GOME > Global Ozone Monitoring Experiment
GOMOS > Global Ozone Monitoring by Occultation of Stars
GONG INSTRUMENT > Global Oscillation Network Group Instrument
GONG NETWORK > Global Oscillation Network Group Network
GPR > Ground Penetrating Radar
GPS > Global Positioning System
GPS RECEIVERS
GPS SONDE
GRAB SAMPLERS
GRANULOMETRIC SIEVES
GRAVIMETERS
GRB > Solar X-Ray/Cosmic Gamma-Ray Burst Experiment
GREEN CORONAGRAPH
GRILLE > Grille Spectrometer
GROUND WATER LEVEL GAUGES
GSD > Germanium Semiconductor Detector
GUST PROBES
GUVI > Global Ultraviolet Imager
GYROS
HALOE > Halogen Occultation Experiment

HAMI > Hydrocarbon Automatic Measuring Instrument
HAMSR > High Altitude MMIC Sounding Radiometer
HARD X-RAY MONITOR
HCMR > Heat Capacity Mapping Radiometer
HELIOGRAPHS
HENA > High-Energy Neutral Atom Imager (IMAGE)
HEP > High Energy Particles (Geotail)
HEPAD > High Energy Proton and Alpha Detector
HESSI IMAGER
HESSI SPECTROMETER
HFOVR > Hemispherical Field of View Radiometer
HI-SCALE > Heliosphere Instrument for Spectra, Composition, and Anisotropy and Low Energies
HIRDLS > High-Resolution Dynamics Limb Sounder
HIRS > High Resolution Infrared Radiation Sounder
HIRS/2 > High Resolution Infrared Radiation Sounder/2
HIS > High Resolution Interferometer Sounder
HPGE > Hyperpure Germanium
HPLC > High-Performance Liquid Chromatograph
HRDI > High Resolution Doppler Imager
HRIR > High-Resolution Infrared Radiometer
HRR > High Resolution Radiometer
HRTS > High Resolution Telescope and Spectrograph
HRV > High Resolution Visible Imaging System
HRVIR > High Resolution Visible and Infrared
HSB > Humidity Sounder for Brazil
HSRL > High Spectral Resolution Lidar
HST > HUBBLE SPACE TELESCOPE
HUMIDITY SENSORS
HUMIDITY TRANSDUCERS
HVAS > High Volume Air Sampler
HVPS > High Volume Particle Sampler
HXIS > Hard X-ray Imaging Spectrometer
HXRBS > Hard X-ray Burst Spectrometer
HXT > Hard X-ray Telescope
HYDRA > Hot Plasma Analyzer
HYDROMETERS
HYDROPHONES
HYGROMETERS
HYGROTHERMOGRAPHS
HYPERION > HYPERSPECTRAL IMAGER
HYPSONETERS
IASI > Infrared Atmospheric Sounding Interferometer
ICE AUGERS
ICE STRESS SENSORS
ICI > Ion Composition Instrument
ICPAES > Inductively Coupled Plasma Atomic Emission Spectrometer
ICPMS > Inductively Coupled Plasma Mass Spectrometer
IDM > Ion Drift Meter
IES > Inverted Echo Sounders
IFSAR > Interferometric Synthetic Aperture Radar
IKAR > Multichannel Microwave Radiometric System
ILAS > Improved Limb Atmospheric Spectrometer
ILAS II > Improved Limb Atmospheric Spectrometer-II
IMAGING RADAR SYSTEMS > Imaging Radar Systems, Real and Synthetic Aperture
IMAGING RADIOMETERS
IMAGING RIOMETERS
IME > IMP-8 Magnetometer Experiment
IMG > Interferometric Monitor for Greenhouse Gases
INCLINOMETERS
INCOHERENT SCATTER RADAR
INCUBATOR
INFAMED > Insitu Fossil Air Melt Extraction Device
INFRARED LASER SPECTROSCOPY
INFRARED RADIOMETERS
INFRARED THERMOMETERS
INFRASONIC MICROPHONES

INS > Inertial Navigation System
INTERFEROMETERS
ION CHROMATOGRAPHS
ION MICROPROBES
IONIZATION CHAMBER
IONIZATION PRESSURE GAUGES
IONOSONDE
IR CO2 ANALYZER > Infrared Carbon Dioxide Analyzer
IRGA > Infrared Gas Analyzers
IRIS > Infrared Interferometer Spectrometer
IRS > Infrared Radiometer/Spectrometer
ISAMS > Improved Stratospheric And Mesospheric Sounder
ISO > Imaging Spectrometric Observatory
ISS > Integrated Sounding System
JPL LASER HYGROMETERS
K-LINE CCD/SOLAR OSCILLATIONS
KEMMERER SAMPLER
KNOLLENBERG PROBE
KONUS > Gamma Ray Burst Detector
LACE > Lightweight Airborne Chromatograph Experiment
LAICPMS > Laser Ablation Inductively Coupled Plasma Mass Spectrometer
LAND SUBSIDENCE GAUGES
LASCO > Large Angle and Spectrometric COronagraph
LASE > Lidar Atmospheric Sensing Experiment
LASER REFLECTOR
LASER SPECTROMETER
LASER TRACKING REFLECTOR
LASERS > Light Amplification by Stimulated Emission of Radiation
LBLSC > Low Background Liquid Scintillation Counter
LEE > Low Energy Electrons
LENA > Low-Energy Neutral Atom Imager (IMAGE)
LEP > Low Energy Particles (Geotail)
LEPEDEA > Low-Energy Proton and Electron Differential Energy Analyzer (IMP-8)
LFC > Large Format Camera
LICOR GAS EXCHANGE SYSTEM
LICOR INTEGRATING SPHERE
LICOR LEAF AREA METER
LICOR PLANT CANOPY ANALYZER
LICOR QUANTUM SENSOR
LICOR SOIL GAS CHAMBER
LIDAR > Light Detection and Ranging
LIMS > Limb Infrared Monitor of the Stratosphere
LIP > Lightning Instrument Package
LIQUID CHROMATOGRAPHS
LIS > Lightning Imaging Sensor
LLTV > Low Light Level TV
LLS > Laser-Light Scattering
LONG STREAMERS
LOPC-PMS > Laser Optical Particle Counter
LORAN > Long Range Navigation
LPSP > Multichannel High Resolution UV and Visible Spectrometer
LRA > Laser Retroreflector Array
LRGM > Lacoste-Romberg Gravity Meter
LRR > Laser Retro-Reflector
LYMAN-ALPHA HYGROMETER
LYMAN-ALPHA PHOTOMETER
LYSIMETERS
MACAWS > Multicenter Airborne Coherent Atmospheric Profiling Wind Sensor
MACS > Multiple Aerosol Collection System
MAG > Magnetic Field Experiment
MAGNETO OPTICAL FILTER
MAGNETOGRAPHS
MAGNETOMETERS
MAGVAR > Magnetic Variometer
MAM > Magnetic Field Instrument
MAMS > Multispectral Mapping Atmospheric Sensor

MAPS > Measurement of Air Pollution from Satellite
MARK IV INTERFEROMETER
MAS > MODIS Airborne Simulator
MAS/ATLAS > Millimeter-wave Atmospheric Sounder
MASP > Mobile Automatic Scanning Photometer
MASPR > Multiple-Angle Aerosol Spectrometer Probe
MASS > High MASS Resolution Spectrometer
MASS SPECTROMETERS
MBES > Multibeam Mapping System
MBLA > Multi-Beam Laser Altimeter
MBT > Mechanical Bathythermographs
MCICPMS > Multicollector Inductively Coupled Plasma Mass Spectrometers
MCPHA > Multi Channel Pulse Height Analyzer
MDI > Michelson Doppler Imager
MEIS > Multispectral Electro-optical Imaging Sensor
MENA > Medium-Energy Neutral Atom Imager (IMAGE)
MEPAD > Medium Energy Proton and Alpha Detector
MERIS > Medium Resolution Imaging Spectrometer
MESA > Miniature Electrostatic Analyzer
MESONET > The Oklahoma Mesonetwork
MESSR > Multispectral Electronic Self-Scanning Radiometer
MFE > Magnetic Field Experiment (Geotail)
MFE-P > Magnetic Fields Experiment (Polar)
MFI > Magnetic Field Investigation (WIND)
MFR > Multichannel Flux Radiometer
MFRSR > Multifilter Rotating Shadowband Radiometer and Broadband Pyranometer
MHS > Microwave Humidity Sounder
MICHELSON INTERFEROMETER
MICROBAROGRAPHS
MICROSCOPES
MIMR > Multifrequency Imaging Microwave Radiometer
MIMS > Magnetic Ion-Mass Spectrometer
MINARAD RST-10
MIPAS > Michelson Interferometer for Passive Atmospheric Sounding
MIPS-EFM > MIPS Electric Field Mill
MIR > Millimeter Imaging Radiometer
MISR > Multi-Angle Imaging SpectroRadiometer
MLA > Multi-Linear Array
MLS > Microwave Limb Sounder
MMCR > Millimeter-Wavelength Cloud Radar
MMR > Modular Multiband Radiometer
MMRS > Multispectral Medium Resolution Scanner
MMS > Meteorological Measurement System
MOBLAS > Mobile Laser Systems
MOCNESS > MOCNESS Plankton Net
MODIS > Moderate-Resolution Imaging Spectroradiometer
MOMS-01 > Modular Optoelectronic Multispectral Scanner
MOMS-02 > Modular Optoelectronic Multispectral Stereo Scanner
MONOCHROMATORS
MOP VIS/IR > MOP Imaging Radiometer
MOPITT > Measurements Of Pollution In The Troposphere
MOS > Modular Optoelectronic Scanner
MPL > Micropulse Lidar
MR > MICROWAVE RADIOMETER
MRIR > Medium-Resolution Infrared Radiometer
MSBS > Multibeam Swath Bathymetry System
MSBSP > Multi-Spectral Band Sun Photometer
MSIR > Multispectral Imaging Radiometer
MSR > Microwave Scanning Radiometer
MSS > Multispectral Scanner
MST > Mesosphere, Stratosphere and Troposphere Radar
MSU > Microwave Sounding Unit
MSU-E > Multichannel High Resolution Electronic Scanner
MSU-SK > Multichannel Middle Resolution Conical Scanner
MTP > Microwave Temperature Profiler
MULTICHANNEL FILTER RADIOMETERS

MULTIFILTER RADIOMETER
MULTILENS CAMERAS
MUON COSMIC RAY DETECTORS
MVI > Multiband Vegetation Imager
MWA > Multiple Water Analyzer
MWR > Microwave Water Radiometer
N-MASS > Nucleation-Mode Aerosol Size Spectrometer
NACE > Neutral Atmosphere Composition Experiment
NANSEN BOTTLES > Nansen Water Sampling Bottles
NAST-I > NPOESS Aircraft Sounder Testbed-Interferometer
NAST-M > NPOESS Aircraft Sounder Testbed-Microwave Radiometer
NAST-MTS > NPOESS Aircraft Microwave Temperature Sounder
NATE > Neutral Atmosphere Temperature Experiment
NAVREC > ER-2 NAV RECORDER
NDIR GAS ANALYZER > Nondispersive Infrared Gas Analyzer
NEAR-INFRARED SPECTROMETER
NEPHELOMETERS
NET RADIOMETERS
NEUSTON NET
NEUTRON MONITORS
NEUTRON PROBE
NEVZOROV PROBE > Nevzorov Water Vapor Probe
NEXRAD > NEXt Generation RADar
NFOVR > Narrow Field of View Radiometer
NISKIN BOTTLES
NMLR > Nebraska Multiband Leaf Radiometer
NOAA PROFILER
NOAMI > Nitrogen Oxide Automatic Measuring Instrument
NORPAC ZOOPLANKTON NET
NPOL > NASA Portable S-band Multiparameter Weather Research Radar
NS-001 TMS > NS-001 Thematic Mapper Simulator
NSCAT > NASA Scatterometer
NUCLEAR PRECESSION MAGNETOMETER
OAMI > Oxidants Automatic Measuring Instrument
OCE > Ocean Color Experiment
OCPS > Orbiter Camera Payload System
OCTS > Ocean Color and Temperature Scanner
OFFI > Optical Free Fall Instrument
OLS > Operational Linescan System
OMEGASONDE
OMI > Ozone Measuring Instrument
OPC > Optical Particle Counter
OPS > Optical Sensor
OPTICAL BEACON
OPTICAL DUST LOGGERS > DOWNHOLE OPTICAL DUST AND ASH LOGGERS
OPTICAL TELESCOPES
OPTICAL TRACKING
ORG > Optical Rain Gauge
OSMOMETERS
OSS > Open-Source Neutral Mass Spectrometer
OTD > Optical Transient Detector
OXYGEN ANALYZERS
OXYGEN METERS
OZONE DETECTORS
OZONE MONITORS
OZONE SENSOR
OZONEMETERS
OZONESONDES
P-SYSTEM > High Pressure Gas Sampling System
PALMS > Particle Analysis by Laser Mass Spectrometry
PALS > Passive and Active L- and S-Band System
PAM > PORTABLE FLUORESCENCE ANALYZERS
PANCHROMATIC > IRS Panchromatic Imager
PAR SENSORS > Photosynthetically Active Radiation Sensors
PARABOLA > Portable Apparatus Rapid Acquisition Bidirectional Observ Land and Atmos
PARS > PHOTOSYNTHETICALLY ACTIVE RADIATION SENSORS

PARTICLE DETECTORS
PARTICLE SPECTROMETERS
PAS > Photoelectric Aerosol Sensor
PASSIVE OPTICAL TRACKING
PCASP > Passive-Cavity Aerosol Spectrometer Probe
PCD > Potential Control Device
PEACE > Plasma Electron and Current Experiment
PEM > Particle Environment Monitor
PENETROMETERS
PERMEAMETERS
PES > Photoelectron Spectrometer
PETROGRAPHIC MICROSCOPES
PH METERS
PHASE CONTRAST MICROSCOPES
PHOTOMETERS
PHOTOSYNTHESIS CHAMBER
PHOTOSYNTHETRON
PIEZOMETERS
PIN DIODE
PIPE STRAIN METER
PISTON SAMPLERS
PIXIE > Polar Ionospheric X-Ray Imaging Experiment
PLA > Panchromatic Linear Array
PLANKTON NETS
PLANT STRESS MONITOR
PMS > Particle Measuring System
PMS 2D-C PROBE > Particle Measuring Systems 2D-C Probe
PMS 2D-P PROBE > Particle Measuring Systems 2D-P Probe
POAM II > Polar Ozone and Aerosol Measurement II
POAM III > Polar Ozone and Aerosol Measurement III
POLARIMETERS
POLDER > Polarization/Directionality of the Earth's Reflectance
POLSCAT > Polarimetric Ku-Band Scatterometer
POROMETER
PORTOS > Radiometer Hyper-frequency Multi-frequency
POSEIDON-2 > JASON-1 RADAR ALTIMETER
PR > TRMM Precipitation Radar
PR-2 > Second Generation Precipitation Radar
PRARE > Precise Range and Range-Rate Equipment
PRESSURE CHAMBERS
PRESSURE GAUGES
PRESSURE JUMP DETECTOR
PRESSURE PROBE
PRESSURE SENSORS
PRESSURE TRANSDUCERS
PROBA.CHRIS.1A > PROBA CHRIS Level 1A
PROBES
PROFILERS
PROTON MAGNETOMETER
PRT > Precision Radiation Thermometers
PSR > Polarimetric Scanning Radiometer
PSYCHROMETERS
PTGA > Propeller Type Generating Anemovane
PTR-MS > Proton Transfer Mass Spectrometer
PWI > Plasma Waves Investigation (Geotail)
PWI-P > Plasma Waves Investigation (Polar)
PWI-P > Plasma Waves Investigation (Polar)
PXRI > Pinhole X-ray Imager
PYRANOGRAPHS
PYRANOMETERS
PYRGEOMETERS
PYRHELIOMETERS
PYRRADIOMETERS
QUARTZ CRYSTAL THERMOMETER
RA > ERS Radar Altimeter
RA-2 > Radar Altimeter-2

RAD GAUGE > Ram Atmosphere Density Gauge
RADAR > Radio Detection and Ranging
RADAR ALTIMETERS
RADAR ECHO SOUNDERS
RADIO BURST RECEIVERS
RADIO TELESCOPES
RADIO TRANSPONDERS
RADIOMETERS
RADIOSONDES
RAIN GAUGES
RAMS > Radiation Measurement System
RAPID > Research with Adaptive Particle Imaging Detectors
RASS > Radio Acoustic Sounding System
RAWINSONDES
RBV > Return Beam Vidicon
RDEFM > Rotating Dipole Electric Field Mill
RED CORONAGRAPH
RF ANTENNA
RING SHEAR TESTERS
RIOMETER > Relative Ionospheric Opacity Meter
RIS > Retroreflector in Space
RL > Raman Lidar
ROCK CORERS
ROCKETSONDES
ROSEMOUNT PRESSURE GAUGE
ROWS > Radar Ocean Wave Spectrometer
RPA > Retarding Potential Analyzer
RPI > Radio Plasma Imager (IMAGE)
RRS > Reflected Radiation Sensor
RSMS > Rapid Single-particle Mass Spectrometer
RSP > Research Scanning Polarimeter
RT > Reversing Thermometer
RTOVS > REVISED TIROS-N OPERATIONAL VERTICAL SOUNDER (RTOVS)
RWP50 > 50-MHz Radar Wind Profiler and Radio Acoustic Sounding System
RWP915 > 915-MHz Radar Wind Profiler and Radio Acoustic Sounding System
SABER > Sounding of the Atmosphere using Broadband Emission Radiometry
SACC-BLACKJACK
SAFS > Scanning Actinic Flux Spectroradiometer
SAGE I > Stratospheric Aerosol and Gas Experiment I
SAGE II > Stratospheric Aerosol and Gas Experiment II
SAGE III > Stratospheric Aerosol and Gas Experiment III
SALINOMETERS
SAMI > SO2 Automatic Measuring Instrument
SAMS > Stratospheric and Mesospheric Sounder
SAR > Synthetic Aperture Radar
SASS > SEASAT-A Scatterometer System
SAW > JPL Surface Acoustic Wave Hygrometer
SBT > Select-Level Bathythermographs
SBUV > Solar Backscatter Ultraviolet
SBUV/2 > Solar Backscatter Ultraviolet/2
SCA > Spatial Coordinate Apparatus
SCANNING ELECTRON MICROSCOPES
SCARAB > The Scanner for Radiation Budget
SCATTEROMETERS
SCHOLANDER PRESSURE CHAMBER
SCIAMACHY > Scanning Imaging Absorption Spectrometer for Atmospheric Chartography
SCINTILLATION COUNTERS
SCOR WP-2 ZOOPLANKTON NET
SCR > Selective Chopper Radiometer
SCR-HF > Surface Current Radar
SDPTR > Satellite Doppler Positioning Transit Receivers
SDTA > Satellite Drag Tracking Apparatus
SEAGLIDER
SEARCHCOIL MAGNETOMETERS
SEAWIFS > Sea-Viewing Wide Field-of-View Sensor
SEAWINDS > SeaWinds

SEC > Solar Corona Experiment (Ulysses)
SECCHI DISKS
SEDIMENT CORERS
SEDIMENT METERS
SEDIMENT TRAPS
SEE > Solar EUV Experiment
SEISMIC REFLECTION PROFILERS
SEISMOGRAPHS
SEISMOMETERS
SEM > Space Environment Monitor
SEPICA > Solar Energetic Particle Charge Analyzer
SEPS > Source Loss-Cone Energetic Particle Spectrometer
SFD > Scintillating Fiber Detector
SFM > Spectrofluorometer
SHRIMP > Sensitive High Resolution Ion Microprobe
SIDE-SCAN SONAR
SILICON PHOTODIODES
SIM > Spectral Irradiance Monitor
SIMS > Secondary Ion Mass Spectrometers
SIR-A > Shuttle Imaging Radar-A
SIR-B > Shuttle Imaging Radar-B
SIR-C > Spaceborne Imaging Radar-C
SIRIS > Stratospheric Infrared Interferometer Spectrometer
SIRS > Satellite Infrared Spectrometer
SIS > Solar Isotope Spectrometer
SLAR > Side-Looking Airborne Radar
SLR > Satellite Laser Ranging
SLRAR > Side-Looking Real Aperature Radar
SLS > Submillimeter Limb Sounder
SMM-HXIS > SMM Hard X-ray Imaging Spectrometer
SMMR > Scanning Multichannel Microwave Radiometer
SMPS > Scanning Mobility Particle Sizer
SMS > SWICS/MASS/STICS Instrument
SNOW DENSITY CUTTER
SNOW FORKS
SNOW MEASURING ROD
SNOW TUBE
SNOWPACK TEMPERATURE PROBE
SODAR > Sound Detection and Ranging
SOFIA > STRATOSPHERIC OBSERVATORY FOR INFRARED ASTRONOMY
SOIL DEPTH PROBE
SOIL HEAT FLUX TRANSDUCER
SOIL HEAT PROBE
SOIL MOISTURE PROBE
SOIL SAMPLER
SOIL TEMPERATURE PROBE
SOLAR SIMULATORS
SOLAR TELESCOPES
SOLAR TEMPERATURE PROBE
SOLAR UV SPECTROMETERS
SOLARIMETERS
SOLCON > Measurement of the Solar Constant
SOLSPEC > Solar Spectrum Measurement
SOLSTICE > Solar-Stellar Irradiance Comparison Experiment
SOMMA > Single Operator Multiparameter Metabolic Analyzer
SONAR > Sound Navigation and Ranging
SONIC ANEMOMETER
SONOBUOYS
SOON SOLAR TELESCOPES
SOPA > Synchronous Orbit Particle Analyzer
SOSUS > Sound Surveillance System
SOUNDERS
SOUP > Solar Optical Universal Polarimeter
SPEA > Solar Plasma Electrostatic Analyzer (IMP-8)
SPECIFIC ION METERS
SPECTROGRAPHS

SPECTROHELIOGRAPHS
SPECTROMETERS
SPECTROPHOTOMETERS
SPECTORADIOMETERS
SPFC > Solar Plasma Faraday Cup (IMP-8)
SPIN-SCAN AURORAL IMAGER
SPMAMI > Suspended Particulate Matter Automatic Measuring Instrument
SPOL > NCAR S-band Polarimetric Doppler Radar
SR > Scanning Radiometer
SRTM > Shuttle Radar Topography Mission
SSALT > POSEIDON Solid State Radar Altimeter
SSBUV > Shuttle Solar Backscatter Ultraviolet
SSCC > Spin Scan Cloud Camera
SSFR > Solar Spectral Flux Radiometers
SSI/ES > Special Sensor Ionospheric Plasma Monitor
SSIES > Ion Scintillation Monitor
SSJ/4 > Precipitating Plasma Monitor
SSM > Special Sensor Magnetometer
SSM/I > Special Sensor Microwave/Imager
SSM/T > Special Sensor Microwave/Temperature
SSM/T-2 > Special Sensor Microwave/Temperature Profiler
SSU > Stratospheric Sounding Unit
STAFF > Spatio-Temporal Analysis of Field Fluctuation Experiment
STD > Salinity, Temperature, Depth
STEEL MEASURING TAPE
STEP FREQUENCY RADIOMETERS
STICS > SupraThermal Ion Composition Spectrometer
STOKES POLARIMETER
STREAM GAUGES
STS > Step Sampler
SUMER > Solar Ultraviolet Measurements of Emitted Radiation
SUN PHOTOMETERS
SUNFLECK CEPTOMETER
SUNSHINE RECORDERS
SUPERCONDUCTING GRAVIMETER
SURVEYING TOOLS
SUSIM > Solar Ultraviolet Spectral Irradiance Monitor
SWAN > Solar Wind Anisotropies
SWE > Solar Wind Experiment (WIND)
SWEPAM > Solar Wind Electron, Proton, and Alpha Monitor
SWICS > Solar Wind Ion Composition Spectrometer
SWICS-U > Solar Wind Ion Composition Spectrometer (Ulysses)
SWIMS > Solar Wind Ion Mass Spectrometer
SWIR > Short Wavelength Infrared Radiometer
SWMS > Surface Water Monitoring System
SWOOPS > Solar Wind Plasma Experiment (Ulysses)
SXM-2 > Multichannel Sun Photometer
SXP > SOLAR X-RAY PHOTOMETER
SXT > Soft X-ray Telescope
TCISS > TOGA COARE Integrated Sounding System
TDDR > Total-Direct-Diffuse Multichannel Radiometer
TDR > Time Domain Reflectometry Probe
TEAMS > Time of Flight Energy Angle Mass Spectrometer
TED > Total Energy Detector
TELEMETER
TELESCOPES
TEM > TRANSMISSION ELECTRON MICROSCOPY
TEMPERATURE LOGGERS
TEMPERATURE PROBES
TEMPERATURE PROFILERS
TEMPERATURE SENSORS
TENSION INFILTRMETER
TEOM > Tapered Element Oscillating Microbalance
TES > Tropospheric Emission Spectrometer
TETHERSONDES
TGRS > Transient Gamma-Ray Spectrometer

THEODOLITE
THERMISTORS
THERMOCOUPLES
THERMOMETERS
THERMOSALINOGRAPHS
THIR > Temperature-Humidity Infrared Radiometer
TIDE > Thermal Ion Dynamics Experiment
TIDE GAUGES
TIDI > TIMED Doppler Interferometer
TIM > Total Irradiance Monitor
TIMAS > Toroidal Imaging Mass-Angle Spectrograph
TIMAX > X-Ray Imaging Telescope
TIMS > Thermal Infrared Multispectral Scanner
TIROS-N > TIROS-N OPERATIONAL VERTICAL SOUNDER
TLPCS > Thermoluminescence Photon Counting System
TLRS > Transportable Laser Ranging Systems
TM > Thematic Mapper
TMI > TRMM Microwave Imager
TMR > TOPEX Microwave Radiometer
TMRS2 > Tower Mounted Radiometer System 2
TMS > Thematic Mapper Simulator
TNR > Thermopile Net Radiometer
TOC > Total Organic Carbon Analyzer
TOGA RADAR
TOMS > Total Ozone Mapping Spectrometer
TOTCAP > Tropospheric Ozone and Tracers from Commercial Aircraft Platforms
TOVS > TIROS Operational Vertical Sounder
TRACE TELESCOPE > Transition Region and Coronal Explorer Telescope
TRACE TELESCOPE > Transition Region and Coronal Explorer Telescope
TRANSMISSOMETERS
TRANSPARENCY METER
TRANSPONDERS
TRAWL
TUBBS TOWS
TUCKER TRAWLS
TUNABLE DIODE LASER
TURBIDITY METERS
UCN > Ultrafine Condensation Nucleus Counter
ULEIS > Ultra Low Energy Isotope Spectrometer
ULTRASONIC DEPTH GAUGE
UMKEHR OBSERVATIONS
UPWARD LOOKING SONAR
URAP > Unified Radio and Plasma Wave Experiment (Ulysses)
USIM > Underwater Spectral Irradiance Meter
UV OZONE DETECTORS > Ultraviolet Ozone Detectors
UV SPECTROMETER > Ultraviolet Ozone Spectrometer
UVCS > Ultraviolet Coronagraph Spectrometer
UVI > UltraViolet Imager (Polar)
UVIC > UV Ion Chamber
UVNO > Ultraviolet Nitric Oxide Spectrometer
UVS > ULTRAVIOLET SPECTROMETER (SNOE)
UVSP > Ultraviolet Spectrometer and Polarimeter
VAE > Visible Airglow Photometer
VAS > VISSR Atmospheric Sounder
VCEIL > Vaisala Ceilometer
VECTOR MAGNETOGRAPHS
VERTICAL POINTING RADAR
VGT-S10 > VEGETATION Sensor (SPOT 4)
VHM > Vector Helium Magnetometer (Ulysses)
VHRR > Very High Resolution Radiometer
VIL > Volume Imaging Lidar
VIRGO > Variability of Solar Irradiance and Gravity Oscillations
VIRIS > Visible and Infrared Intelligent Spectrometer
VIRL > Visible and Near IR Lidar
VIRR > Visible and Infrared Radiometer
VIRS > TRMM Visible Infrared Scanner

VIS > Visible Imaging System (Polar)
VISIBLE SPECTROMETER
VISSR > Visible and Infrared Spin Scan Radiometer
VISUAL OBSERVATIONS
VLA > The Very Large Array
VLBI > Very Long Baseline Interferometry
VLF RECEIVERS
VNIR > Visible and Near Infrared Radiometer
VOLTAGE METERS
VOPC > Video Optical plankton Counter
VPR > Video Plankton Recorder
VTIR > Visible and Thermal Infrared Radiometer
VTPR > Vertical Temperature Profile Radiometer
WAS > Whole Air Sampler
WATER BOTTLES
WATER LEVEL GAUGES
WATERGUNS
WATS > Wind and Temperature Spectrometer
WAVE HEIGHT GAUGES
WAVES > Radio and Plasma Wave Investigation
WBD > Wide Band Data Instrument
WBS > Wide Band Spectrometer
WELL LOGGING TOOLS
WET BULB THERMOMETERS
WET/DRY PRECIPITATION SAMPLERS
WHISPER > Waves of High Frequency and Sounder for Probing Electron Density by Relaxation
WIFS > Wide Field Scanner
WIND PROFILERS
WIND VANES
WINDII > Wind Imaging Interferometer
WL/CR > WATER LEVEL/CLIMATE RECORDERS
WS > Wind Scatterometer
WSI > Whole-Sky Imager
WVSS > Water Vapor Sensing System
WWS > Whole Water Sampler
X-RAY TELESCOPE
X-SAR > X-Band Synthetic Aperture Radar
XBT > Expendable Bathythermographs
XCP > Expendable Current Profiler
XPOL > NOAA/ETL X-band Polarimetric Doppler Radar
XPS > XUV Photometer System
XRD > X-ray Diffractometer
XRF > X-Ray Fluorescence Spectrometer
XRP > X-Ray Polychromator
XRPD > X-Ray Powder Diffractometer
XSV > Expendable Sound Velocity Profilers

Annex K: GCMD Platform Keywords

GCMD valids as at 29-Sep-2006

SHORT_NAME > LONG_NAME

ACARS > ACARS Ground Receiving Station
ACE > Advanced Composition Explorer (ACE)
ACRIMSAT > Active Cavity Radiometer Irradiance Monitor Satellite
AD-A > Atmosphere Dynamics A (Explorer 19)
AD-B > Atmosphere Dynamics B (Explorer 24)
AD-C > Atmosphere Dynamics B (Explorer 39)
ADEOS-I > Advanced Earth Observing Satellite-I
ADEOS-II > Advanced Earth Observing Satellite-II
AE-A > Atmosphere Explorer A (Explorer 17)
AE-B > Atmosphere Explorer B (Explorer 32)
AE-C > Atmosphere Explorer C (Explorer 51)
AE-D > Atmosphere Explorer D (Explorer 54)
AE-E > Atmosphere Explorer E (Explorer 55)
AEM-1 > Applications Explorer Mission-1
AEM-2 > Applications Explorer Mission-2
AEM-3 > Applications Explorer Mission-3
AERIAL PHOTOGRAPHS
AEROS-1
AEROS-2
AEROSONDE
AES > Atmospheric Environment Service
AIRCRAFT
AJISAI > Experimental Geodetic Satellite (Japanese EGS)
ALOS > Advanced Land Observing Satellite
ALOUETTE-1
ALOUETTE-2
ALTUS
ANTHMS > Antarctic Hydrometric Stations
APOLLO
APOLLO-SOYUZ
AQUA > Earth Observing System, AQUA
ARGON
ARWS > Automatic Remote Weather Station
ASOS > Automated Surface Observing System
ATLAS > Atmospheric Laboratory for Applications and Science
ATLAS MOORINGS > Autonomous Temperature Line Acquisition System
ATS-1 > Advanced Technology Satellite-1
ATS-2 > Advanced Technology Satellite-2
ATS-3 > Advanced Technology Satellite-3
ATS-4 > Advanced Technology Satellite-4
AURA > Aura
AUVS > Autonomous Underwater Vehicles
AWOS > Automated Weather Observing System
BALLOONS
BAPMON > Background Air Pollution Monitoring Stations
BE-B > Beacon Explorer-B
BE-C > Beacon Explorer-C
BUOYS
C-MAN > Coastal Marine Network
C/NOFS > Communication and Navigation Outage Forecast System
CBERS-1 > China-Brazil Earth Resource Satellite 1
CBERS-2 > China-Brazil Earth Resource Satellite 2
CHAMP > Challenging Minisatellite Payload
CLOUDSAT
CLUSTER-II > CLUSTER-II
CMDL > NOAA Climate Monitoring Diagnostics Laboratory Stations
COASTAL STATIONS
CORONA
COSMIC/FORMOSAT-3 > Constellation Observing System for Meteorology, Ionosphere and Climate
COSMOS 1500

COSMOS 49
CRRES > Combined Release and Radiation Effects Satellite
CRYOSAT
DASH-2
DE-1 > Dynamics Explorer-1
DE-2 > Dynamics Explorer-2
DEM > Digital Elevation Model
DIADEM-1C
DIADEM-1D
DMSP > Defense Meteorological Satellite Program
DMSP 5B/F3 > Defense Meteorological Satellite Program-F3
DMSP 5D-1/F1 > Defense Meteorological Satellite Program-F1
DMSP 5D-1/F2 > Defense Meteorological Satellite Program-F2
DMSP 5D-1/F3 > Defense Meteorological Satellite Program-F3
DMSP 5D-1/F4 > Defense Meteorological Satellite Program-F4
DMSP 5D-2/F10 > Defense Meteorological Satellite Program-F10
DMSP 5D-2/F11 > Defense Meteorological Satellite Program-F11
DMSP 5D-2/F12 > Defense Meteorological Satellite Program-F12
DMSP 5D-2/F13 > Defense Meteorological Satellite Program-F13
DMSP 5D-2/F14 > Defense Meteorological Satellite Program-F14
DMSP 5D-2/F15 > Defense Meteorological Satellite Program-F15
DMSP 5D-2/F16 > Defense Meteorological Satellite Program-F16
DMSP 5D-2/F7 > Defense Meteorological Satellite Program-F7
DMSP 5D-2/F8 > Defense Meteorological Satellite Program-F8
DMSP 5D-2/F9 > Defense Meteorological Satellite Program-F9
DRILLING PLATFORMS
DROPWINDSONDES
ECHO-1
ECHO-2
ENVISAT > Environmental Satellite
EO-1 > Earth Orbiter-1
EOLE
EP-TOMS > Earth Probe-TOMS
EQUATOR-S
ERBS > Earth Radiation Budget Satellite
ERS-1 > European Remote Sensing Satellite-1
ERS-2 > European Remote Sensing Satellite-2
ESSA > Environmental Science Services Administration
ETALON-1
ETALON-2
EXOS-A
EXPLORER 9 > Air Density Balloon
EXPLORER-31 (DME-A)
EXPLORER-33 > Interplanetary Monitoring Platform D (IMP-D)
EXPLORER-35 > Interplanetary Monitoring Platform D (IMP-E)
FAST > Fast Auroral Snapshot Explorer
FDSN > Federation of Digital Seismographic Networks
FEDSAT
FIELD INVESTIGATION
FIELD SURVEYS
FIXED OBSERVATION STATIONS
FY-1 > China's Meteorological Satellite-1
FY-2 > China's Meteorological Satellite-2
GCM > General Circulation Model
GEMINI
GEMINI-10
GEMINI-11
GEMINI-12
GEMINI-3
GEMINI-4
GEMINI-5
GEMINI-6
GEMINI-7
GEMINI-8
GEMINI-9
GEODYNAMIC STATIONS

GEOMAGNETIC STATIONS

GEOMET > USGS Desert Winds Geological/Meteorological Ground Station

GEOS-1 > Geodetic Earth Orbiting Satellite-1

GEOS-2 > Geodetic Earth Orbiting Satellite-2

GEOS-3 > Geodetic Earth Orbiting Satellite-3

GEOSAT > Geodetic Satellite

GEOSTATIONARY SATELLITES

GEOTAIL

GFO-1 > GEOSAT FOLLOW-ON-1

GFZ-1 > GeoForschungsZentrum-1

GLONASS-40-82 > Global Navigation Satellite System 40-82

GMCC > NOAA Geophysical Monitoring for Climatic Change Stations

GMS > Japan Geostationary Meteorological Satellite

GMS-1 > Geostationary Meteorological Satellite-1

GMS-2 > Geostationary Meteorological Satellite-2

GMS-3 > Geostationary Meteorological Satellite-3

GMS-4 > Geostationary Meteorological Satellite-4

GMS-5 > Geostationary Meteorological Satellite-5

GOES > NOAA Geostationary Operational Environmental Satellites

GOES-1 > Geostationary Operational Environmental Satellite 1

GOES-10 > Geostationary Operational Environmental Satellite 10

GOES-11 > Geostationary Operational Environmental Satellite 11

GOES-12 > Geostationary Operational Environmental Satellite 12

GOES-13 > Geostationary Operational Environmental Satellite 13

GOES-2 > Geostationary Operational Environmental Satellite 2

GOES-3 > Geostationary Operational Environmental Satellite 3

GOES-4 > Geostationary Operational Environmental Satellite 4

GOES-5 > Geostationary Operational Environmental Satellite 5

GOES-6 > Geostationary Operational Environmental Satellite 6

GOES-7 > Geostationary Operational Environmental Satellite 7

GOES-8 > Geostationary Operational Environmental Satellite 8

GOES-9 > Geostationary Operational Environmental Satellite 9

GOMS > Geostationary Operational Meteorological Satellite

GONG NETWORK > Global Oscillation Network Group

GPS > Global Positioning System Satellites

GPS-35 > Global Positioning System Satellites-35

GPS-36 > Global Positioning System Satellites-36

GRACE > Gravity Recovery and Climate Experiment

GRAVITY STATIONS

GRO > Gamma-Ray Observatory

GROUND STATIONS

GROUND-BASED OBSERVATIONS

GSN > Global Seismic Network

HAGGLUND > NZAP Hagglund Oversnow Vehicle

HCMM > Heat Capacity Mapping Mission

HELICOPTER

HELIOS 1

HELIOS 2

HESSI > High Energy Solar Spectroscopic Imager

HINOTORI

HST > Hubble Space Telescope

ICESAT > Ice, Cloud and Land Elevation Satellite

IKONOS

IMAGE > Imager for Magnetopause -to - Aurora Global Exploration

IMP-8 > Interplanetary Monitoring Platform-8

IMP-I > Interplanetary Monitoring Platform-I

INSAT > Indian National Satellite

INSAT-1A > Indian National Satellite-1A

INSAT-1B > Indian National Satellite-1B

IRAS > Infrared Astronomy Satellite

IRIS-GSN > Incorporated Research Institutions for Seismology Network - Global Seismographic Network

IRS-1A > Indian Remote Sensing Satellite-1A

IRS-1B > Indian Remote Sensing Satellite-1B

IRS-1C > Indian Remote Sensing Satellite-1C

IRS-P3 > Indian ISRO IRS-P3 Spacecraft

IRS-P4 > Indian Remote Sensing Satellite-P4 (OCEANSAT-1)

IRS-P6 > Indian Remote Sensing Satellite-P6
ISIS-1 > International Satellite for Ionospheric Studies-1
ISIS-2 > International Satellite for Ionospheric Studies-2
ISS > International Space Station
JASON-1
JERS-1 > Japanese Earth Resources Satellite-1
LABORATORY
LAGEOS-1 > Laser Geodetic Satellite-1
LAGEOS-2 > Laser Geodetic Satellite-2
LANDSAT
LANDSAT-1
LANDSAT-2
LANDSAT-3
LANDSAT-4
LANDSAT-5
LANDSAT-7
LANYARD
LPATS > Lightning Positioning and Tracking System Network
MAGSAT
MAPS
MARINER 2
MAXIS > MeV Auroral X-ray Imaging and Spectroscopy
MERCURY
MESONET > Mesoscale Meteorological Network
METEOR 2-21
METEOR-2
METEOR-3
METEOR-3M
METEOROLOGICAL STATIONS
METEOSAT
METEOSAT-1
METEOSAT-2
METEOSAT-3
METEOSAT-4 > Meteosat Operational Programme 1 (MOP-1)
METEOSAT-5 > Meteosat Operational Programme 2 (MOP-2)
METEOSAT-6 > Meteosat Operational Programme 3 (MOP-3)
METEOSAT-7
METOP > Meteorological Operational Satellite
MICROLAB-1 > OSC Microlab-1 Satellite
MIDAS 2 > Missile Defense Alarm System 2
MIO > Mobile Ionospheric Observatory
MIPS > Mobile Integrated Profiling System
MIR-PRIRODA > PRIRODA Module of MIR Space Station
MODELS
MOORINGS
MOS-1 > Japanese Marine Observation Satellite 1
MOS-1B > Japanese Marine Observation Satellite-1B
MSG > Meteosat Second Generation
MSTI-2 > Miniature Sensor Technology Integration-2
NAVSTAR > NAVSTAR Global Positioning System
NEUTRON MONITOR STATIONS
NIMBUS
NIMBUS-1
NIMBUS-2
NIMBUS-3
NIMBUS-4
NIMBUS-5
NIMBUS-6
NIMBUS-7
NOAA POES > NOAA Polar Orbiting Environmental Satellites
NOAA-1 > National Oceanic & Atmospheric Administration-1
NOAA-10 > National Oceanic & Atmospheric Administration-10
NOAA-11 > National Oceanic & Atmospheric Administration-11
NOAA-12 > National Oceanic & Atmospheric Administration-12
NOAA-13 > National Oceanic & Atmospheric Administration-13
NOAA-14 > National Oceanic & Atmospheric Administration-14

NOAA-15 > National Oceanic & Atmospheric Administration-15
NOAA-16 > National Oceanic & Atmospheric Administration-16
NOAA-17 > National Oceanic & Atmospheric Administration-17
NOAA-18 > National Oceanic & Atmospheric Administration-18
NOAA-2 > National Oceanic & Atmospheric Administration-2
NOAA-3 > National Oceanic & Atmospheric Administration-3
NOAA-4 > National Oceanic & Atmospheric Administration-4
NOAA-5 > National Oceanic & Atmospheric Administration-5
NOAA-6 > National Oceanic & Atmospheric Administration-6
NOAA-7 > National Oceanic & Atmospheric Administration-7
NOAA-8 > National Oceanic & Atmospheric Administration-8
NOAA-9 > National Oceanic & Atmospheric Administration-9
NPOESS > National Polar-orbiting Operational Environmental Satellite System
NSRN > NOAA Solar Radiation Network
OBSERVATORIES
OCEAN PLATFORMS
OCEAN WEATHER STATIONS
ODIN
OGO-1 > Orbiting Geophysical Observatory-1
OGO-2 > Orbiting Geophysical Observatory-2
OGO-3 > Orbiting Geophysical Observatory-3
OGO-4 > Orbiting Geophysical Observatory-4
OGO-5 > Orbiting Geophysical Observatory-5
OGO-6 > Orbiting Geophysical Observatory-6
OKEAN-O > Ukrainian-Russian Ocean Remote Sensing System
ORBVVIEW-2 > Orbital Sciences Corporation OrbView-2 Satellite
OSO-1 > Orbiting Solar Observatory-1
OSO-2 > Orbiting Solar Observatory-2
OSO-3 > Orbiting Solar Observatory-3
OSO-4 > Orbiting Solar Observatory-4
OSO-5 > Orbiting Solar Observatory-5
OSO-6 > Orbiting Solar Observatory-6
OSO-7 > Orbiting Solar Observatory-7
OSO-8 > Orbiting Solar Observatory-8
OSTA-1 > Office of Space & Terrestrial Applications-1
OV-099 > Challenger Space Shuttle
OV-102 > Columbia Space Shuttle
OV-103 > Discovery Space Shuttle
OV-104 > Atlantis Space Shuttle
OV-105 > Endeavour Space Shuttle
PAGEOS 1 > Passive Geodetic Earth Orbiting Satellite 1
PALACE FLOAT > Profiling Autonomous Lagrangian Circulation Explorer
PAM > Portable Automated Mesonet
PAM-II > Portable Automated Mesonet II
PASSCAL > Program for Array Seismic Studies of the Continental Lithosphere
PIBAL > Pilot Balloons
PIONEER 10
PIONEER 11
PIONEER 6
PIONEER 7
PIONEER VENUS
PMS > Permafrost Monitoring Stations
POLAR > POLAR
PROBA > Project for On-Board Autonomy
PROFS > Program for Regional Observing and Forecast Systems Mesonet
PROTEUS > Profile Telemetry of Upper Ocean Currents
QUICKBIRD > DigitalGlobe's QuickBird
QUIKSCAT > Quick Recovery Scatterometer
R/V ARANDA
R/V LMG > R/V Lawrence M. Gould
R/V NBP > R/V Nathaniel B. Palmer
RADARSAT-1
RADARSAT-2
RADIO TRANSMITTERS
RADIOSONDES
RAE-A > Radio Astronomy Explorer-A

RAE-B > Radio Astronomy Explorer-B (Explorer 49)
RESURS-O1
RHESSI > Reuven Ramaty High Energy Solar Spectroscopic Imager
ROCKETS
ROV > Remotely Operated Vehicles
SAC-A > Satelite de Aplicaciones Cientifico - A
SAC-C > Satelite de Aplicaciones Cientifico - C
SAGE-III > Stratospheric Aerosol and Gas Experiment-III
SAMPEX > SolarAnomalous and Magnetospheric Particle Explorer
SATELLITES
SCD > Satellites de Coleta de Dados
SCISAT-1/ACE > Atmospheric Chemistry Experiment
SEAGLIDER
SEASAT > Ocean Dynamics Satellite
SEASOAR
SEISMOLOGICAL STATIONS
SHIPS
SID > Sudden Ionospheric Disturbance Stations
SKYLAB
SMART-R > Shared Mobile Atmospheric Research and Teaching Radar
SME > Solar Mesospheric Explorer
SMM > Solar Maximum Mission
SMS > Synchronous Meteorological Satellites
SMS-1 > Synchronous Meteorological Satellite 1
SMS-2 > Synchronous Meteorological Satellite 2
SNOE > Student Nitric Oxide Explorer
SOHO > Solar and Heliospheric Observatory
SOLAR RADIATION STATIONS
SOLRAD-1 > Solar Radiation-1
SOLRAD-10 > Solar Radiation-10
SOLRAD-7A > Solar Radiation-7A
SOLRAD-7B > Solar Radiation-7B
SOLRAD-8 > Solar Radiation-8
SOLRAD-9 > Solar Radiation-9
SOON > Solar Observing Optical Network
SORCE > Solar Radiation and Climate Experiment
SOUNDING ROCKETS
SOYUZ
SPACE SHUTTLES
SPACELAB-1
SPACELAB-3
SPAS-II > Shuttle Pallet Satellite-II
SPOT-1 > Systeme Probatoire Pour l'Observation de la Terre-1
SPOT-2 > Systeme Probatoire Pour l'Observation de la Terre-2
SPOT-3 > Systeme Probatoire Pour l'Observation de la Terre-3
SPOT-4 > Systeme Probatoire Pour l'Observation de la Terre-4
SPOT-5 > Systeme Probatoire Pour l'Observation de la Terre-5
SRL-1 > Space Radar Laboratory-1
SRL-2 > Space Radar Laboratory-2
STARLETTE
STELLA
STEREOGRAPHIC PHOTOGRAPHS
STS-11 > Space Transport System STS-11
STS-2 > Space Transport System STS-2
STS-34 > Space Transport System STS-34
STS-39 > Space Transport System STS-39
STS-41 > Space Transport System STS-41
STS-41G > Space Transport System STS-41G
STS-43 > Space Transport System STS-43
STS-45 > Space Transport System STS-45
STS-51B > Space Transport System STS-51B
STS-51F > Space Transport System STS-51F
STS-55 > Space Transport System STS-55
STS-56 > Space Transport System STS-56
STS-59 > Space Transport System STS-59
STS-62 > Space Transport System STS-62

STS-64 > Space Transport System STS-64
STS-66 > Space Transport System STS-66
STS-68 > Space Transport System STS-68
STS-7 > Space Transport System STS-7
STS-72 > Space Transport System STS-72
STS-9 > Space Transport System STS-9
STS-99 > Space Transport System STS-99
SUBMARINE
SUNSAT > Stellenbosch University Satellite
SV > Snow Vehicle
TERRA > Earth Observing System, TERRA (AM-1)
TIMED > Thermosphere, Ionosphere, Mesosphere Energetics and Dynamics
TIPS > Tether Physics and Survivability
TIROS > Television Infrared Observation Satellite
TIROS-7 > Television Infrared Operational
TIROS-M > Television Infrared Observation Satellite-M
TIROS-N > Television Infrared Observation Satellite-N
TMRS2 > Tower Mounted Radiometer System 2
TOPEX/POSEIDON > Ocean Topography Experiment
TRACE > Transition Region and Coronal Explorer
TRITON > TRIangle Trans-Ocean Buoy Network
TRMM > Tropical Rainfall Measuring Mission
TSX > TerraSAR-X
UARS > Upper Atmosphere Research Satellite
ULYSSES
VANGUARD
VCL > Vegetation Canopy Lidar
VENERA-13
VENERA-14
VOLCANO OBSERVATORY
VOYAGER 1
VOYAGER 2
WEATHER STATIONS
WESTPAC > Western Pacific Laser Satellite
WIND
X-POW > X-band Polarimetric Weather Radar
YOHKOH
ZEIA
ZODIACS

Annex L: GCMD Data Resolution Keywords

GCMD valids as at 4-Apr-2005

H : < 1 meter
H : 1 meter - < 30 meters
H : 30 meters - < 100 meters
H : 100 meters - < 250 meters
H : 250 meters - < 500 meters
H : 500 meters - < 1 km
H : 1 km - < 10 km or approximately .01 degree - < .09 degree
H : 10 Km - < 50 Km or approximately .09 degree - < .5 degree
H : 50 Km - < 100 Km or approximately .5 degree - < 1 degree
H : 100 km - < 250 km or approximately 1 degree - < 2.5 degrees
H : 250 km - < 500 km or approximately 2.5 degrees - < 5.0 degrees
H : 500 km - < 1000 km or approximately 5 degrees - < 10 degrees
H : > 1000 km or > 10 degrees
T : < 1 second
T : 1 second - < 1 minute
T : 1 minute - < 1 hour
T : Hourly - < Daily
T : Daily - < Weekly
T : Weekly - < Monthly
T : Monthly - < Annual
T : Hourly Climatology
T : Daily Climatology
T : Pentad Climatology
T : Weekly Climatology
T : Monthly Climatology
T : Annual
T : Annual Climatology
T : Decadal
T : Climate Normal (30-year climatology)
V : < 1 meter
V : 1 meter - < 10 meters
V : 10 meters - < 30 meters
V : 30 meters - < 100 meters
V : 100 meters - < 1 km
V : > 1km