SIO ARCHIVES METADATA FOR DIGITAL OBJECTS
Revised May 2005

Descriptive	Administrative

Data Element	Dublin Core	Definition	Value (example)	Required	Repeatable
Accession Number	Identifier	A unique number assigned sequentially to an accession for purposes of identification and control within the SIO Archives. Consists of two digits for the year of accession then a dash, followed by the consecutive number of the accession for that year.	82-53	If Available	No
Collection Number	Relation-HasPart	A unique sequential number assigned to the collection, usually comprising more than one accession number.	MC18	If Available	No
Collection Main Entry	Creator	The name of the person/organization who created the collection. See: *SIO Archives Subject Headings/Authorities Procedures.*	Menard, Henry W. (Henry William), 1920-1986	If Available	Yes
Collection Title	Relation-HasPart	Main entry/title of the collection. [Same as MARC 246]	H. William Menard Papers, 1938-1966	Mandatory	No
Call Number	Relation-HasPart	The library classification number for source that is shelved within the SIO Library.	GC3 U5 A721	If Available	No
Box Number	Relation-HasPart	The number of the box source is stored in.	1	If Available	No
Folder Number	Relation-HasPart	The number of the folder source is stored in.	37	If Available	No
Neg Collection Main Entry	Relation-IsFormatOf	Use only for images. If the negative of an image is in a separate collection, enter photo collection in which it is found.	SIO Photographic Laboratory		
Neg Collection Title	Relation-IsFormatOf	Use only for images. If the negative of an image is in a separate collection, enter photo collection title in which it is found.	Photographic Negatives, 1949-2000	If Available	No

Neg Number	Relation-IsFormatOf	Use only for images.	1088-A-6	If Available	No
Neg Location	Relation-IsFormatOf	The box number in which the original negative is located.	7	If Available	No
Item Number	Identifier	The item's position within a folder.	6	If Available	No
Item Main Entry	Creator	The name of the person/organization who created the item. See: *SIO Archives Subject Headings/Authorities Procedures.*	MacFall, John B.	If Available	Yes
Creator	Creator	Name and role of creator. See: *SIO Archives Subject Headings/Authorities Procedures.*	Abranson, C.E., photographer	Mandatory	Yes
Title	Title	Title of item. Supplied titles should be bracketed.	[Photograph of Deborah Day on SIO pier]	Mandatory	No
Notes	Description	Provides information transcribed from or supplied for the item.	Editor has used blue pencil to mark cropped edges for publication	Optional	No
Date	Date-Created	Date that item was first captured (normalized as ISO 8601, YYYY-MM-DD, YYYY-MM, or YYYY).	1967-03-09	Mandatory	No
Number of Pages	Format-Extent	Number of pages [if relevant].	4 leaves	If Applicable	No
Format	Format-Medium	The physical or digital manifestation of the item. Format may be used to determine the software, hardware or other equipment needed to display or operate the item. Value to be selected from: ▪ Internet Media Types http://www.isi.edu/in-notes/iana/assignments/media-types/media-types	jpeg	Mandatory	No
Source Type	Format-Medium	The nature or genre of the item. Value to be selected from: ▪ DCMI Type Vocabulary http://dublincore.org/documents/dcmi-type-vocabulary/	image	Mandatory	No
Document Type	Description	Data type of the original source: Expedition Report, Bibliography of Scientific Paper, Published Scientific Paper, Manuscript, Photograph, Track Chart, Seaman's Narrative, Ships Log, Biography of Key Scientist, Drawings of Instrument, Newspaper Clipping.	Drawing of instrument	NSDL: Mandatory	No
Physical Description	Description	Overall physical description of source.	Color Kodachrome slide	Mandatory	No

Genre	Type	Genre term assigned to the item from LCSH controlled vocabulary.	Logbooks	Mandatory	No
Source Dimensions	Format-Extent	Measurements of original source (includes height, width and depth or other form of dimension information).	8" x 10"	Mandatory	No
Original Format	Description	The physical or digital manifestation of the item.	Kodachrome photographic print	Mandatory	No
Subject Topside	Subject	Keywords from controlled vocabulary: ▪ Alexandria Digital Library Gazetteer: http://fat-albert.alexandria.ucsb.edu:8827/gazetteer/	Samoa Islands	NSDL: Mandatory	Yes
Location Depicted	Coverage	LCSH heading representing the place the item was captured or the location being discussed in the text.	Samoan Islands	Optional	Yes
Subjects	Subject	From LCSH controlled vocabulary. See: *SIO Archives Subject Headings/Authorities Procedures.*	Submarine geology	Mandatory	Yes
People	Subject	Individuals depicted in the item See: *SIO Archives Subject Headings/Authorities Procedures.*	Hubbs, Carl L. (Carl Leavitt), 1894-1979	If Available	Yes
Category	Subject	From project Thesaurus.	Expedition reports; Ocean floor	LSTA: Mandatory	Yes
Language	Language	The language(s) the material is written in. Use for text only.	English.	If Applicable	Yes
Expedition Name	Coverage	Name of the expedition. See: ▪ Roger authority file ▪ Phyllis Helms.	Capricorn Expedition (1952-1953)	NSDL: Mandatory	No
Expedition Cruise	Coverage	Name of cruise which forms part of a multi-ship expedition. See: ▪ Phyllis Helms ▪ GDC Cruise Index: http://gdcmp1.ucsd.edu/gdc/cruises/cruise.index	NOVA-ARGO	NSDL: Mandatory	Yes
Expedition Leg	Coverage	Leg of cruise which forms part of a multi-ship expedition. See: ▪ Phyllis Helms ▪ GDC Cruise Index: http://gdcmp1.ucsd.edu/gdc/cruises/cruise.index	NOVA03AR	NSDL: Mandatory	Yes
Vessel	Subject	Vessel name. See: ▪ ROGER authority file ▪ UNOLS: http://www.unols.org/images/ships/shipimages.html	Melville (Ship)	NSDL: Mandatory	Yes

IHO Number	Coverage	Grid number from 4th edition of International Hydrographic Organization *Limits of Oceans and Seas*	26	NSDL: If Applicable	Yes
IHO Location	Coverage	Name of sea area from 4th edition of International Hydrographic Organization *Limits of Oceans and Seas*	Gulf of Mexico	NSDL: If Applicable	Yes
Subject GEBCO	Subject	For underwater features. See: ▪ GEBCO Gazetteer of Undersea Feature Names: http://www.ngdc.noaa.gov/mgg/gebco/underseafeatures.html	Albatross Bank	NSDL: If Applicable	Yes
Collection Rights	Rights	The rights holder for the collection.	UC Regents	If Available	Yes
Item Rights	Rights	The rights holder of a specific item.	Alan Jones	If Available	Yes
Permissions	Rights	Contact/procedures for permission to use a digital object.	http://scilib.ucsd.edu/sio/archives/services.html	Mandatory	No
Item Publisher	Publisher	The entity responsible for making the resources available.	Scripps Institution of Oceanography Archives	Mandatory	No
Project	Relation-HasPart	Identifies project/funding by which items were digitized.	NSDL	If Applicable	Yes
Master Filename	Identifier	The electronic filename by which the master digitized item can be identified. See: UCSD Digital Library Naming Protocol for Digital Objects	caljsioa_mc181370006.tif	Mandatory	No
Filename	Identifier	The electronic filename by which the access image can be identified. See: UCSD Digital Library Naming Protocol for Digital Objects	caljsioa_mc181370006_m.jpg	Mandatory	No
Identifier	Identifier	Duplication of filename element for CONTENTdm software only.	caljsioa_mc181370006_m.jpg	If Applicable	No
Scan Date	Date	Date item was digitized (normalized as ISO 8601, YYYY-MM-DD, YYYY-MM, or YYYY).	2001-12-06	Mandatory	No
Scanned By	Contributors	Person or vendor responsible for scanning of the item.	Luna Imaging, Inc.	Mandatory	No
Bit Depth	Format	Pixel depth.	8 per channel	Mandatory	No
Compression	Format	Indicate whether or not the file has been compressed, and if it has, identifies the level and method of compression.	None	Mandatory	No

Capture Device	Format	Indicates make and model of digital camera or scanner.	Espon 836XL [flatbed scanner]	Mandatory	No
Capture Details	Format	Name scanner software, including version information; give scanner settings, gamma correction, and other relevant details pertaining to scanning.	PixelCraft Proimager 8000	Mandatory	No
Color Space	Format	Determines the color model used to display and print images, i.e. RGB, CMYK, grayscale.	RGB	Mandatory	No
Color Management	Format	Identifies system, if any, that is used to improve consistency of color across capture, display and output of an image	ColorSync	Mandatory	No
Resolution	Format	The number of pixels displayed per unit of printed length for the master image.	6144 x 4161 pixels	Mandatory	No
Condition of Item	Description	Identifies condition of original item being digitized.	Slight crease mark on right	Optional	No