

Accession No.: 2005-21

PROCESSING RECORD  
SCRIPPS INSTITUTION OF OCEANOGRAPHY ARCHIVES

---

Scripps Institution of Oceanography. Geological Data Center

SIO Geological Data Center Cruise Data, Microfilm Master Negatives, 1960-1999

Physical Description: 3 microfilm cabinets (1233 reel of original master negatives) in 23 cartons

Arrangement of Collection: Arranged in numerical order by cruise identification number.

Restrictions: The master negatives should not be used for preservation reasons. A use copy set of this microfilm is available at the Geological Data Center, 317 Ritter Hall.

Description: The accession consists of 1233 reels of original master negatives for microfilm made of Scripps Institution of Oceanography cruise data from 1950 to 1999. The microfilm includes images of original Scripps shipboard seismic and bathymetric rolls, plus additional data from Scripps cruises and a few non-Scripps cruises for which data processing was done at Scripps. The microfilm was shot by GDC technician Dale Newhouse from 1960 to 1990 using a unique flow camera system. The original data filmed in this microfilm is in the custody of GDC, but is in poor condition. The microfilm was made as a security copy.

Each microfilm reel box is identified with a three-digit cruise identification number, cruise name and ship. The accession is accompanied by a list of SIO Cruises in Numerical Order.

Scripps Institution of Oceanography Geological Data Center, which might more accurately be named the Underway Marine Geophysical Data Center, was established in 1970 to process, archive and distribute underway geophysical data collected on Scripps expeditions. The data handled by the data center include navigation, single and multibeam bathymetry, magnetics, gravity and seismic reflection profiler. The coverage includes all Scripps cruises that collected underway data from the early 1950s to the present, mostly in the Pacific and to a lesser extent in the Indian and Atlantic oceans.

**Scripps Institution of Oceanography  
Geological Data Center  
Cruise Date Microfilm  
Master Negatives,  
1958-1999**

<b>Box</b>	<b>Cruise No.</b>	<b>Ship Name</b>	<b>Date</b>
1	002	R/V Horizon (Dolphin 1-2, 12 khz Bathymetry Rolls 2-8)	28 March- 01 May 1958
	011	R/V Argo (Amphitrite, Magnetics-Partial, Rolls 1-4, first half of 5)	03 December- 06 January 1964
	012	R/V Argo (Lusiad A1, PDR, Rolls 1-3, Plus Computer Navigation, Lusiad 8-9, 12 khz Bathymetry-Partial, Rolls 43, Part of Leg 8)	15 May – 11 June 1962
	017	R/V Spencer F. Baird (Rise Pac 1-3, Rolls 1-14, 12 khz, Bathymetry & Navigation Listing)	
	021	R/V Argo (Papagayo, Rolls 1-4, 12 khz, Bathymetry)	27 October- 27 Nov 1961
	023	R/V Spencer F. Baird (Carrousel, Rolls 1-8, 12 khz, Bathymetry, Underexposed)	13 June- 14 July 1964
	024	R/V Spencer F. Baird (Wahine 1-2, Rolls 1-11, Reflection Arcer, 12 khz, Bathymetry)	16 February - 10 April 1965
	028	R/V Argo (Tripod PDR, Rolls 1-8, 0830-0730, plus computer navigation, 2776-1716)	15 October-18 December 1966
	030	R/V Horizon (Doldrum's PDR, Rolls 1-5, 0700-1700)	2 August – 24 September 1958
	031	R/V Horizon (Sixpac, R/V Horizon Reflection)	30 March – 18 April 1966

1	032	R/V Horizon (Nova Reflection Arcer plus beginning Nova-Argo Slow Drum Reflection, Legs 1-6, Argol-2)	7 April – 3 May 1967
	033	R/V Argo (Nova Argo, GDR Rolls and Reflection Airgun, Rolls 1-10)	17 April-16 May 1967
	034	R/V Argo (Zetes Reflection Airgun, 213-4, Negative and Positive Film)	04 January-24 January 1966
	036	R/V Thomas Washington (65-1, Reflection Arcer and Maguel, FRM x FRM at End, 651-A Reflection Arcer, Leg O, "Shakedown," Delaware, North Carolina, Bermuda, Bahamas, and South Carolina, Legs 2-10)	30 December 1965-14 January 1966
	043	R/V Spencer F. Baird (Arcer Reflection)	5 June-19 September 1963
1/2	048	R/V Argo (Circle, 12 khz Bathymetry, Reflection Airgun, 3.5 khz Bathymetry, Sonobody Reflection)	07 March-17 March 1968
2	059	R/V Oconostota (Kayak A & B, Reflection Arcer Explosives)	10 July-27 August 1964
	071	R/V Horizon (Show 2, Reflection Arcer, Argo or Horizon)	17 May-27 August 1952
	073	R/V Horizon (Show 1 & 3, Reflection Arcer and Airgun)	11 May-12 July 1966
	074	R/V Spencer F. Baird (Bathymetry, 2-16 mm films, one original)	23 July-30 November 1953
	081	R/V Horizon (Zephyrus 3-4, Reflection Arcer)	1 July-8 July 1962
	082	R/V Ellen Browning Scripps (Gam I-II, 12 khz Bathymetry, East Pacific Rise)	1 November- 22 November 1967
	083	R/V Ellen Browning Scripps (Gam II, Reflection Airgun, FRM x FRM Format)	06 February-26 February 1968
	085	R/V Hugh M. Smith (Blue Flash, Reflection Arcer)	13 May- 23 May 1963

2	090	R/V Horizon (Quartet Reflection, Continuous and Single Frame Positive and Negative)	25 January-3 February 1965
	096	R/V Spencer F. Baird-IV (Southern Borderland, Bathymetry)	12 March-18 March 1960
	111	R/V Alexander Agassiz (Styx 1-4, Reflection Arcer)	02 April-26 April 1968
	201	R/V Thomas Washington (Ceres 4, Seabeam, Contour Swaths, Books 14-27, Part two and three)	25 June-30 June 1982
	111	R/V Alexander Agassiz (Styx 7, Reflection Arcer)	2 April-26 April 1968
	112	R/V Ellen Browning Scripps (Aphrodite, 12 khz, Bathymetry)	14 July-20 July 1968
	114	R/V Thomas Washington (Tow I and II, Legs I and II, Scan 1, Reflection Airgun)	07 September-24 September 1966
2/3	117	R/V Argo (3.5 & 12 khz Bathymetry, Reflection Airgun)	4 March-30 March 1969
3	119	R/V Alexander Agassiz (69/06/1, Reflection Airgun)	19 June-29 June 1969
	120	R/V Thomas Washington (Quebrada 1-2, 12 khz Bathymetry, Rolls 1-7, Magnetics, Reflection Airgun)	6 November-27 November 1969
	121	R/V Thomas Washington (Piquero 1-2, Reflection Airgun)	9 December-11 August 1969
	123	R/V Thomas Washington (Reflection Airgun, Navigation listings, Seventow 1, 3-10)	22 January-22 April 1970
	125	R/V Melville (Reflection Airgun, 3.5 khz Bathymetry, Sonabody Reflection, Tokyo-Manila, Manila-Mauritius, Bathymetry Navigation)	16 June 1970-3 October 1971

3/4	125	R/V Melville (3.5 and 12 khz Bathymetry, Reflection Airgun, Mombasa, Magnetics, Sonabody Reflection, Colombo, Multi-Channel Airgun, Guam-Samoa)	16 June 1970-3 October 1971
4	129	R/V Thomas Washington (San Diego-Easter Island, Easter Island to Tahiti, Reflection Airgun)	15 November 1970- 14 October 1971
	130	R/V Thomas Washington (3.5 and 12 khz Bathymetry, Reflection Airgun)	10 January 1971- 20 November 1972
	131	R/V Melville (3.5 and 12 khz Bathymetry, Navigation listing, Airgun)	11 March-21 April 1972
	132	R/V Ellen Browning Scripps (Iguana 1-5, Reflection Airgun Combination of old and new film, Sonabody Reflection)	1 April-22 May 1972
4/5	133	R/V Melville (3.5 and 12 khz Bathymetry, Reflection Airgun, Sonabody Reflection, Magnetics)	7 June 1972- 14 February 1973
5	134	R/V Thomas Washington (Reflection Airgun)	3 May-25 May 1968
	135	R/V Thomas Washington (Reflection Airgun, Navigation, Airgun Test Ship Off San Diego)	7 November-15 December 1967
	136	R/V Oconostota (Baja 69, Reflection Airgun)	8 February- 17 February 1969
	137	R/V Melville (Benthiface 2, Reflection Airgun)	21 May-7 July 1973
	138	R/V Thomas Washington (Tasaday 3, 3.5 khz Bathymetry)	5 June 1973-16 January 1974
5	140	R/V Thomas Washington (3.5 and 12 khz Bathymetry, Sonabody Reflection, Navigation Listing)	17 June-21 June 1974

5/6	141	R/V Thomas Washington (3.5 and 12 khz Bathymetry, Reflection Airgun, Navigation, Magnetics)	4 September 1974-18 July 1975
6	142	R/V Oconostota (Deloneer 2-3, 12 khz Bathymetry)	15 September- 26 September 1972
	144	R/V Melville (Cocotow T, 1-4, 3.5 and 12 khz Bathymetry, Reflection Airgun, Magnetics, Navigation Listings)	19 August-18 December 1974
	145	R/V Spencer F. Baird (Reflection Arcer, Curray)	17 November- 25 November 1963
	146	R/V Oconostota (Channel 1-6, Reflection Airgun, Extra Original Film and Scratches, Continuous and Single Frame)	22 August-25 September 1968
	147	R/V Oconostota (Wildcat 1-4)	20 August-25 September 1967
	148	R/V Melville (3.5 and 12 khz Bathymetry, Magnetics, Navigation, Reflection Airgun)	20 January- 14 February 1975
	152	R/V Kana Keoki (Bom Drop, MN7503 KK, Reflection)	21 November-9 December 1975
	153	R/V Thomas Washington (3.5 khz Bathymetry, Airgun)	10 January-9 March 1976
6/7	155	R/V Thomas Washington (3.5 and 12 khz Bathymetry, Magnetics, Reflection Airgun, Navigation)	24 March 1976- 31 July 1977
7	169	R/V Melville (Indomed 11-17, 3.5 khz Bathymetry)	24 September 1977-29 April 1979
	170	R/V Thomas Washington (EPLL, Reflection Airgun, 3.5 khz Bathymetry)	11 October 1977-6 November 1977

7	173	R/V Thomas Washington (Reflection Airgun, Magnetics, Sonabody Reflection)	9 February 1978- 18 May 1978
	174	R/V Thomas Washington (3.5 khz Bathymetry, Reflection Airgun)	6 May-8 June 1978
	175	R/V Ellen Browning Scripps (Reflection Sparker, Reflection Airgun, 3.5 khz Bathymetry)	18 June-25 June 1978
	176	R/V Thomas Washington (3.5 and 12 khz Bathymetry, Navigation, Reflection Airgun, Sonabody Reflection, Magnetics)	24 July 1978-11 February 1979
	177	R/V Ellen Browning Scripps (Reflection Airgun, 12 khz Bathymetry, Navigation, Sonabody Reflection)	30 June-5 July 1978
	178	R/V New Horizon (Rise Three, 3.5 and 12 khz Bathymetry, Magnetics)	23 February- 16 May 1979
7/8	179	R/V Norpax-FGGE-Equatorial Shuttle-Wecoma (3.5 and 12 khz Bathymetry)	20 July-24 November 1979
8	180	R/V Gyre (79G602GY, 3.5 khz Bathymetry)	20 August-31 August 1979
	181	R/V Thomas Washington (Rama 1-3, 3.5 Bathymetry, Digital Single Channel Reflection)	10 March 1980-2 July 1981
	005	R/V Smith (Hilo-Smith Leg 1, Roll 1 Bathymetry, Luciad-Horizon, Roll 18 Bathymetry)	16 March-1 April 1962
	073	R/V Horizon (Show 1-3, Reflection Airgun, Bathymetry)	2 May-21 June 1952
	158	R/V Melville (Francis Drake 77, Leg 4C)	15 December-1 January 1977

8	177	R/V Ellen Browning Scripps (Monterey Fan, Reflection Airgun, and Sonabody Reflection)	30 June-13 September 1978
	181	R/V Thomas Washington (Rama 5-15, Sonabody Reflection, Seismic Reflection Multichannel, Reflection Airgun, 3.5 khz and 12 khz Bathymetry, Processed Single Channel)	10 March-2 July 1981
	182	R/V Thomas Washington (3.5 khz Bathymetry)	16 January-17 February 1980
	184	R/V Melville (Vulcan 2-9, 3.5 and 12 khz Bathymetry, Reflection Airgun, Magnetics, Navigation)	3 September 198/0-26 May 1981
	191	R/V Melville, Ellen Browning Scripps, New Horizon (Pluto 1-3, 3.5 and 12 khz Bathymetry, Navigation)	11 August 1981- 11 February 1982
	192	R/V Thomas Washington (Navigation Listing, Swath, VGK, 3.5 khz)	12 December-23 December 1981
	193	R/V Thomas Washington (Seabeam, Reflection, 3.5 khz Bathymetry, Seabeam Monitor, Single Channel Reflection)	11 January-10 February 1982
9	888	R/V 70 (Non-SIO Cruise, Seifu Maru, Reflection Airgun, 1970)	20 May 1970
	193	R/V Thomas Washington (Seabeam, Reflection, 3.5 khz Bathymetry, Seabeam Monitor, Single Channel Reflection)	11 January-10 February 1982
	194	R/V Thomas Washington (CNXO 1, Seabeam)	14 February-16 February 1982
	200	R/V Thomas Washington (Seabeam Swaths and Monitor, 3.5 khz Bathymetry, Reflection Airgun, Magnetics)	5 June -19 June 1982



9	201	R/V Thomas Washington (3.5 khz Bathymetry, Seabeam Contour, Seabeam Monitor, Navigation)	25 June-26 October 1982
	203	R/V Melville (Magma 1, 12 khz Bathymetry, Navigation)	18 June-21 July 1982
	204	R/V Melville (Reflection Watergun, 3.5 and 12 Bathymetry, Magnetics)	4 October 1982- 11 May 1983
	205	R/V Thomas Washington (3.5 and 12 khz Bathymetry, Seabeam Monitor, Seabeam Contour Swaths)	5 June-27 February 1983
	206	R/V Horizon (Carmasel, Reflection Arcer)	8 February-4 April 1967
9/10	208	R/V Thomas Washington (3.5 and 12 khz Bathymetry, Seabeam Contour Swaths, Reflection Watergun Airgun)	17 June-28 June 1983
10	209	R/V New Horizon (Awash 1, New Horizon, 12 khz Bathymetry)	1 June-28 June 1983
	210	R/V Alexander Agassiz (3.5 and 12 khz Bathymetry)	18 September-3 October 1976
	212	R/V Melville (Protea 1-9, 3.5 and 12 khz Bathymetry)	7 September 1983-21 May 1984
	214	R/V Thomas Washington (Seabeam Contour Swaths, 3.5 and 12 khz Bathymetry, Reflection Airgun, Magnetics)	21 February-24 February 1984
10/11	215	R/V Thomas Washington (Seabeam Contour Swaths, 3.5 and 12 khz Bathymetry, Reflection Watergun, Seabeam Monitor, Magnetics)	24 March 1984- 12 June 1985
11	216	R/V Melville (3.5 and 12 khz Bathymetry, Atlas 2)	13 September-22 December 1984

11	217	R/V Ellen Browning Scripps (Reflection Arcer and Airgun)	October 1965
	219	R/V New Horizon (12 khz Bathymetry)	31 March-5 May 1985
	220	R/V Thomas Washington (Seabeam Contour Swaths, Seabeam Monitor, 3.5 and 12 khz, Magnetics, Seismic Reflection)	17 September 1985-20 August 1986
	221	R/V Melville (Alycyone 1, Bathymetry Magnetics)	7 June-18 November 1985
	223	R/V Melville (12 khz Bathymetry, Ice 2-5)	6 December 1985-5 May 1986
	226	R/V Melville (12 khz Bathymetry, Magnetics)	23 July-18 August 1986
11/12	228	R/V Thomas Washington (Seismic Reflection, Sonabody Reflection, 3.5 and 12 khz Bathymetry, Magnetics, Seabeam Contour Swaths, Seabeam Monitor)	17 February-5 August 1987
12	232	R/V Thomas Washington (Seabeam Contour Swaths, Seabeam Monitor, Bathymetry Magnetics)	16 October-16 December 1987
	233	R/V Melville (Helios 1-3, 12 khz Bathymetry)	16 September 1987-5 January 1988
	237	R/V Washington (S.I) (Raitt 1-3, Seismic Reflection, 3.5 and 12 khz Bathymetry, Seabeam Contour Swaths, Magnetics)	9 January-2 April 1988
12/13	238	R/V Knorr (Save 1-3, 12 khz Bathymetry)	23 November 1987-7 March 1988)

13	239	R/V Thomas Washington (Roundabout 1-18, Seabeam Monitor, 3.5 and 12 khz Bathymetry, Seabeam Contour Swaths, Seismic Reflection, Sonabody Reflection, Magnetics)	29 April 1988-10 January 1989
	241	R/V New Horizon (Basins 1, 12 khz Bathymetry)	10 January-15 January 1986
	244	R/V Melville (S.I) (Hydros 1-4, 12 khz Bathymetry)	26 October 1988-10 September 1989
	245	R/V Thomas Washington (Seabeam Contour Swaths, Seismic Reflection, Magnetics, 3.5 and 12 khz Bathymetry)	17 August-16 December 1989
	246	R/V Thomas Washington (Plume 1-4, Seabeam Monitor Magnetics, 3.5 and 12 khz Bathymetry, Seabeam Contour, Navigation)	5 January-26 July 1990
	248	R/V Thomas Washington (Drill 1-2, 3.5 khz Bathymetry Magnetics)	19 August-8 September 1990
	249	R/V WT (TOPO 9002, 12 khz, Seabeam Monitor Magnetics)	12 September 1990-19 October 1990
	251	R/V Thomas Washington (3.5 and 12 khz Bathymetry, Seabeam Monitor Magnetics, Sea Mark II Side Scan, Seabeam Contour Swaths)	4 November 1990-8 March 1991
13/14	252	R/V Thomas Washington (12 khz Seabeam Contour Swaths, Seabeam Monitor Magnetics)	26 March-2 May 1991

14	253	R/V Washington (S.I) (Seismic Reflection, 3.5 khz Bathymetry Magnetics)	5 May -21 May 1991
	254	R/V Thomas Washington (S.I) (3.5 and 12 khz Bathymetry, Seabeam Monitor, Station Bathymetry, Magnetics, Seabeam Contour Swaths, Seismic Reflection)	31 May-2 December 1991
	257	R/V Thomas Washington (Encore 1-2, 3.5 and 12 khz Bathymetry, Seabeam Monitor Magnetics, Seabeam Contour Swaths)	2 April-14 May 1992
	258	R/V Sproul (1-9, Guadalupe 1, Sidescan)	11 March-25 March 1991
	260	R/V MV (Phoenix 1-4, Sidescan Magnetics)	29 June-4 September 1992
	261	R/V Melville (Gloria 00-1, Seismic Reflection, 3.5 khz Bathymetry, Sidescan Magnetics, SB)	26 September 1992-4 August 1994
	250	R/V Washington (S.I) (Westfall 1, Navigation, 3.5 khz Bathymetry, 12 khz Seabeam Monitor, Seabeam Contour Swaths, Seismic Reflection)	8 November-12 November 1990
	262	R/V New Horizon (12 khz Bathymetry)	22 March-27 March 1993
	264	R/V Melville (REM 1-2 Navigation, Sidescan, Seismic Reflection Magnetics)	10 August-6 October 1993
	266	R/V Melville (Westward 0-15, Seismic Reflection, 3.5 khz Bathymetry, Sidescan, Seabeam Swath Magnetics)	17 November 1993-12 August 1995

15	267	R/V Melville (Boomerang 00-9, Seismic Reflection, Seabeam Magnetics, Seabeam Sidescan Magnetics, 3.5 and 12 khz Bathymetry)	15 October 1995-29 June 1996
	268	R/V Roger Revelle (Delivery 01-02, Sidescan, 3.5 and 12 khz Bathymetry Magnetics)	8 July-31 July 1996
	269	R/V Melville (S.I) (Sojourn 1-9, Sidescan Magnetics, 3.5 khz Bathymetry Sidescan, Seismic Reflection Seabeam 2000 Magnetics)	8 September 1996-29 June 1997
	271	R/V Roger Revelle (Revelle Test 1-3, California 1-3, Sidescan, 3.5 khz Bathymetry)	27 September 1996-20 November 1996
	272	R/V Roger Revelle (Genesis 02-03, Seismic Reflection, 3.5 khz Bathymetry 2000 Seabeam)	26 December 1996-5 May 1997
	273	R/V Roger Revelle (Tanner Banks, 3.5 khz Bathymetry, Vertical Beam and Sidescan)	8 May-15 May 1997
	276	R/V Roger Revelle (Kiwi 02-14, 3.5 khz Bathymetry, Seabeam Sidescan Bathy 2000, Seismic Reflection)	4 August 1997-6 October 1998
	277	R/V Melville (Rose Canyon, 01 Seabeam Sidescan)	13 October-17 October 1997
	278	R/V Melville (Panorama 1-8, Seabeam Sidescan, 3.5 khz Bathymetry Dredge)	2 November 1997-28 June 1998
	279	R/V Melville (Pan-America Climate Survey, 3.5 khz Bathymetry Seabeam)	8 September-29 September 1998
	281	R/V Revelle (Alarcon 1-2, Seabeam Monitor, 3.5 khz Bathymetry, Seismic Reflection)	17 October-3 November 1998

15	282	R/V Revelle (Sinkex, 3.5 khz Bathymetry, Seabeam Sidescan)	11 November-19 November 1998
	283	R/V Revelle (981107 Roger Revelle, 3.5 khz Bathymetry, Seabeam Sidescan)	7 November 1998
	--	R/V Hugh M. Smith (Arcer Surveys and Test Off, Southern California, Includes Blue Flash, Positive and Negative)	March-May 1963
15	--	(Gulf of Mexico, Caribbean Reflection and Track Charts, United States Geological Survey)	1970-1971
	--	(Gulf of California, USNS Davis Dave Moore, Reflection)	1967-1968
15	--	R/V Hugh M. Smith (Southern Borderland, Arcer Reflection, 12 khz Bathymetry)	March-April 1963
	--	R.V Ellen Browning Scripps (Kennedy M., Legs 1-2, Reflection Airgun, 3.5 khz Bathymetry)	December 1977
	--	(Kana Keoki, University of Hawaii-0626, Processed Reflection, Guam-Majurd, Tom Shipley- Scripps Institution of Oceanography)	September- October 1981
	--	R/V Horizon (Lucas Fan, 2 seconds, Reflection Arcer, F. Shepard, Cape San Lucas-San Jose Del Cabo, 2707 Miles)	10 March-29 March 1964
	--	(Puerto Vallerta to Panama, 12 khz Bathymetry at Maneuvering Data Log with Navigation Positions, F.P. Shepard)	1975
	--	(RC 27-05, Reflection, 3.5 khz)	June-July 1986
	--	R/V Hugh M. Smith (Southern Borderland, Reflection Arcer, Coronado Fan, Guadalupe Isle, La Jolla Canyon, Tanner Ek. ECT)	18 March-2 may 1963

15	--	(SDOGS 1-3, 3.5 khz Bathymetry, Sparker Uniboom, San Diego Offshore Geophysical Survey, Mike Kennedy, Seismic Reflection)	October- November 1976
	--	(Tow 2, Leg 2, Luyendyk Hills, 125 Degrees West 32 Degrees North, Reflection Airgun, MPL Deep Tow, FRM x FRM)	8-12 January 1967
16	--	R/V Oconostota (Triple Junction, Reflection, Bathymetry)	August- September 1969
16	--	(United States Geological Survey Reflection, Filmed From Paper Copy West Africa Coast, Liberia to Antilles, West Africa to Atlantic Crossing)	[n.d]
16	284	R/V Melville (Avon 1-12, Seabeam, Seismic Reflection Seabeam, 3.5 Bathymetry, Seabeam Sidescan, Center Beam)	6 January-25 January 1999
	285	R/V Roger Revelle (HNRO 16-18, 3.5 khz Bathymetry, Seabeam Sidescan)	18 February 1999-1 July 2000
	286	(0A0A 01 NH, 3.5 khz Bathymetry)	[n.d]
	289	R/V Melville (Oxygen Minimum Zone, 3.5 khz Bathymetry, Seabeam Sidescan and Vertical Beam)	29 October-22 November 1999
	290	R/V Melville (Littoral Warfare Advanced Development, "LWAD," Seabeam Sidescan and Vertical Bean, 3.5 khz Bathymetry)	4 September-20 September 1999
	292	R/V Melville (NEMO 1-4, Seabeam Sidescan, 3.5 khz Bathymetry, Seismic Reflection)	17 February-28 June 2000

16	293	R/V Revelle (NALU 01, Seabeam Sidescan, 3.5 khz Bathymetry)	8 July-13 July 2000
	--	(Project Manager, Magnetics, Navigation Tracks)	29 April 1961
	294	R/V Roger Revelle (Northeast Circle 1-6, Seabeam Sidescan, MPL Deep Tow Hilina Fault, SB 2172 Monitor)	14 July-16 December 2000
16/17	295	R/V Melville (Cook 1-25, 3.5 khz Bathymetry, Seabeam Sidescan, Seismic Reflection)	21 August 2000- 16 July 2002
17	297	R/V Revelle (Drift 01-06, 3.5 Bathymetry)	14 May 2001-30 May 2002
	299	R/V Melville (Vancouver 1-2, 3.5 khz, Seabeam)	05 August 2002- 09 June 2004
	300	R/V Roger Revelle (Centennial 03, Seismic Bathymetry)	23 November 2002-22 September 2003
17-21	124	R/V Glomar Challenger (Deep Sea Drilling Project, Bathymetry Magnetics, Reflection Airgun, Seismic)	11 August 1968- 5 November 1983
21	222	R/V Joides Resolution (Seismic Reflection, 3.5 and 12 khz Bathymetry Magnetics)	31 January 1985- 23 November 1995
21-23	228	R/V Washington (Crossgrain, Seismic Reflection, 3.5 and 12 khz Bathymetry Magnetics)	17 February-5 August 1987
23	--	(Redwood City Imagery)	February 1984- September 1988