

DEPARTMENT OF THE INTERIOR

U.S. GEOLOGICAL SURVEY

DESCRIPTION OF MARINE GEOPHYSICAL DATA
COLLECTED BY THE U.S. GEOLOGICAL SURVEY
AND HOW TO OBTAIN IT

by

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This report is preliminary and has not been reviewed
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INTRODUCTION

The U.S. Geological Survey (USGS) collects marine geophysical data from around the globe. In an effort to make these data more readily available to the private and public sectors, the data are archived with the National Geophysical Data Center (NGDC) under the 1985 Marine Geological and Geophysical Data Management Agreement between the National Oceanic and Atmospheric Administration and the U.S. Geological Survey. This report describes the archiving process and lists 594 data sets for 239 USGS cruises forwarded to NGDC under the aforementioned agreement.

DESCRIPTION OF ARCHIVED DATA SETS

For each data gathering cruise leg, the available data in the following categories are forwarded to NGDC: navigation, gravity, magnetics, bathymetry, and seismic shot points. The available data for each cruise leg are re-formatted and combined into the Marine Geophysical Data Exchange Format (MGD77) and into the internal NGDC SEIS-NAV format by USGS using several USGS developed FORTRAN programs.

The FORTRAN programs sample the navigation to every integer minute of the cruise. When necessary, the latitudes and longitudes are linearly interpolated. If the time between the actual navigation fixes exceeds five minutes, no data are included in the MGD77 file.

To build the MGD77 file, gravity, magnetics, and bathymetry are added to this sampled navigation. When necessary, gravity, magnetics, and bathymetry data are linearly interpolated if the time between the actual data samples does not exceed five minutes. If a time gap exceeds this, the data are not reported.

The navigation data are merged with the seismic shot point data in a SEIS-NAV format file. For this file, navigation data are interpolated for each shot point. Both types of files are written to magnetic tape and sent to NGDC.

Table 1 lists each cruise by its identifier, the chief scientist, the data collection platform, and the data sets included in the transmittal.

Data set names are combinations of a prefix and a suffix. The prefixes are cruise identifiers in the form: SLYYAA, SLLYYAA, SLYYAAMMM, or SLLYYAAMMM where:

S	= ship code
L (or LL)	= leg number
YY	= year
AA	= area code
MMM	= gravimeter number (when multiple meters were used)

The combination of ship code, leg number, year, and area code are unique for each cruise.

The data collection platform codes in this transmittal are:

	SHIP
A	Atlantis II
B	Bartlett, Burton Island
C	Carmel
D	Discoverer
F	Farnella
G	Glacier, Green, Growler
H	Husky III
K	Kana Keoki, Karluk, Kelez
L	Lee
M	Mendocino
N	Nunatak
O	Oil City
P	Parizeau, Polaris I, Powell
R	Ranier
S	Sea Sounder, Storis, Surveyor
T	Tommy Thompson
U	United Geo. I
V	Velero, Velero II, Velero IV

The geographical area codes in this transmittal are:

	AREA
AA	Aleutian Arc Region
AF	Africa Region
AG	Antigua Region
AN	Antarctic Ocean
AR	Arctic Ocean
AT	Atlantic Ocean
BS	Bering Sea
CB	Caribbean Sea
CP	Central Pacific Ocean
CS	Chukchi Sea

EG	Eastern Gulf of Alaska
GM	Gulf of Mexico
HW	Hawaii Region
MX	Mexico Region
NA	North Aleutian Shelf, Alaska Region
NC	Northern California Region
NP	Northern Pacific Ocean
NS	Norton Sound
PR	Puerto Rico Region
SC	Southern California Region
SP	Southern Pacific Ocean
VI	Virgin Islands Region
WF	Juan de Fuca Ridge
WG	Western Gulf of Alaska
WO	Washington / Oregon Region

The suffix number indicates data type by its first digit:

.0xx	= navigation
.1xx	= gravity
.2xx	= magnetics
.3xx	= bathymetry
.4xx	= seismic shotpoint locations
.6xx	= navigation

The xx is a processing sequence number used internally by USGS. We keep a list of the processing sequences for each of these numbers.

Direct requests for the NGDC archived data to:

National Geophysical Data Center
NOAA, code E/GC
325 Broadway
Boulder, Colorado 80303

Direct specific questions regarding USGS data-processing procedures to:

Wm. Clinton Steele
United States Geological Survey
Branch of Pacific Marine Geology
345 Middlefield Road, Mail Stop 999
Menlo Park, California 94025

ACKNOWLEDGMENTS

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Table 1.--Archived marine geophysical data sets.

CRUISE IDENTIFIER	CHIEF SCIENTIST	SHIP	DATA SET(S)
T167BS	Dave Scholl	Tommy Thompson	T167BS.201
H169BS	Dick Tagg	Husky III	H169BS.051 H169BS.201
O169SC	Dave McCulloch	Oil City	O169SC.051 O169SC.241
S169BS	Dave Scholl	Storis	S169BS.201
B170BS	Dave Scholl	Bartlett	B170BS.052 B170BS.201
P170SC	Gary Greene	Polaris I	P170SC.011
R170BS	Hans Nelson	Ranier	R170BS.051 R170BS.201
U171GM	George Moore	United Geo. I	U171GM.052 U171GM.161 U171GM.201
U271GM	Jack Vedder	United Geo. I	U271GM.050 U271GM.160 U271GM.200 U271GM.325
U371CB	Louis Garrison	United Geo. I	U371CB.050 U371CB.160 U371CB.200 U371CB.325
U471CB	Eli Silver	United Geo. I	U471CB.050 U471CB.161 U471CB.200 U471CB.325
U571AF	John Schlee	United Geo. I	U571AF.050 U571AF.160 U571AF.200 U571AF.325

Table 1.--Archived marine geophysical data sets.

CRUISE IDENTIFIER	CHIEF SCIENTIST	SHIP	DATA SET(S)
U671AT	Marty Kane	United Geo. I	U671AT.050 U671AT.161 U671AT.200 U671AT.325
U771PR	Jim Trumbull	United Geo. I	U771PR.051 U771PR.326
U871PR	Louis Garrison	United Geo. I	U871PR.050 U871PR.160
B172AR	Art Grantz	Burton Island	B172AR.050 B172AR.165 B172AR.240
B172SC	Gary Greene	Bartlett	B172SC.050 B172SC.161 B172SC.240 B172SC.335
P172WF	Parke Snavelly	Parizeau	P172WF.051 P172WF.160 P172WF.240
B273AR	Art Grantz	Burton Island	B273AR.052 B273AR.165 B273AR.240
K173NC	Dave McCulloch	Kelez	K173NC.010
K273SC	Holly Wagner	Kelez	K273SC.010 K273SC.161 K273SC.240
K373SC	Jack Vedder	Kelez	K373SC.010 K373SC.161 K373SC.240
K473SC	Gary Greene	Kelez	K473SC.010 K473SC.161 K473SC.240

Table 1.--Archived marine geophysical data sets.

CRUISE IDENTIFIER	CHIEF SCIENTIST	SHIP	DATA SET(S)
B174AR	Art Grantz	Burton Island	B174AR.053 B174AR.165 B174AR.200 B174AR.305
L174SC	Jack Vedder	Lee	L174SC.011 L174SC.161
L274SC	Bob Rowland	Lee	L274SC.011
T174EG	Terry Bruns	Tommy Thompson	T174EG.010
T274EG	Paul Carlson	Tommy Thompson	T274EG.050 T274EG.161 T274EG.240
T374EG	Bruce Molnia	Tommy Thompson	T374EG.050 T374EG.160 T374EG.200
G175EG	Terry Bruns	Green	G175EG.051 G175EG.162 G175EG.240 G175EG.401
K275AR	Peter Barnes	Karluk	K275AR.011
L175NC	Don Tompkins	Lee	L175NC.010
L275NP	Dave Scholl	Lee	L275NP.051 L275NP.200 L275NP.335
L475BS	Mike Marlow	Lee	L475BS.050 L475BS.160 L475BS.200 L475BS.335 L475BS.420
L575NP	Dave Scholl	Lee	L575NP.000

Table 1.--Archived marine geophysical data sets.

CRUISE IDENTIFIER	CHIEF SCIENTIST	SHIP	DATA SET(S)
S175EG	Bruce Molnia	Surveyor	S175EG.052 S175EG.161
V175SC	Sam Clarke	Velero II	V175SC.010
G176AR	Art Grantz	Glacier	G176AR.050 G176AR.301
K176AR	Peter Barnes	Karluk	K176AR.052 K176AR.302
L176MX	Jim Bischoff	Lee	L176MX.051 L176MX.335
L276SC	Gary Greene	Lee	L276SC.050
L376WO	Parke Snavelly	Lee	L376WO.050 L376WO.200 L376WO.420
L476WG	Roland Von Huene	Lee	L476WG.012 L476WG.161 L476WG.240 L476WG.335 L476WG.420
L576BS	Mike Marlow	Lee	L576BS.011 L576BS.165 L576BS.240 L576BS.335 L576BS.420
L676AR	Art Grantz	Lee	L676AR.011 L676AR.161 L676AR.200 L676AR.335
L776BS	Mike Marlow	Lee	L776BS.011 L776BS.165 L776BS.200 L776BS.335

Table 1.--Archived marine geophysical data sets.

CRUISE IDENTIFIER	CHIEF SCIENTIST	SHIP	DATA SET(S)
L876NP	Brent Dalrymple	Lee	L876NP.011 L876NP.160 L876NP.240 L876NP.335
L976HW	Bill Normark	Lee	L976HW.050
S176EG	Bruce Molnia	Sea Sounder	S176EG.012
S276WG	Arnold Bouma	Sea Sounder	S276WG.010
S376WG	Arnold Bouma	Sea Sounder	S376WG.011
S476BS	Tracy Vallier	Sea Sounder	S476BS.010 S476BS.165 S476BS.200 S476BS.335
S576BS	Hans Nelson	Sea Sounder	S576BS.010 S576BS.335
K177AR	Peter Barnes	Karluk	K177AR.305 K177AR.650
L277NC	Bill Normark	Lee	L277NC.012
L377NC	Don Tompkins	Lee	L377NC.030
L477NC	Dave McCulloch	Lee	L477NC.051 L477NC.240 L477NC.421
L577WO	Parke Snavelly	Lee	L577WO.010 L577WO.240 L577WO.420

Table 1.--Archived marine geophysical data sets.

CRUISE IDENTIFIER	CHIEF SCIENTIST	SHIP	DATA SET(S)
L677EG	Terry Bruns	Lee	L677EG.010 L677EG.165 L677EG.240 L677EG.335 L677EG.420
L777WG	Roland Von Huene	Lee	L777WG.010 L777WG.161 L777WG.240 L777WG.335 L777WG.420
L877BS	Mike Marlow	Lee	L877BS.011 L877BS.165 L877BS.240 L877BS.335 L877BS.420
L977AR	Art Grantz	Lee	L977AR.011 L977AR.161 L977AR.240 L977AR.335 L977AR.420
L1077BS	Mark Holmes	Lee	L1077BS.011 L1077BS.161
S277EG	George Plafker	Sea Sounder	S277EG.011 S277EG.335
S377BS	Alan Cooper	Sea Sounder	S377BS.010 S377BS.165 S377BS.200 S377BS.335
S477BS	Dave Cacchione	Sea Sounder	S477BS.011 S477BS.335
S577BS	Hans Nelson	Sea Sounder	S577BS.050

Table 1.--Archived marine geophysical data sets.

CRUISE IDENTIFIER	CHIEF SCIENTIST	SHIP	DATA SET(S)
S677BS	Tracy Vallier	Sea Sounder	S677BS.010 S677BS.165 S677BS.200 S677BS.335
S777WG	Arnold Bouma	Sea Sounder	S777WG.010
S877EG	Bruce Molnia	Sea Sounder	S877EG.011 S877EG.335
S977NC	Sam Clarke	Sea Sounder	S977NC.011 S977NC.200
G178EG	Bruce Molnia	Growler	G178EG.051 G178EG.310
K178AR	Erk Reimnitz	Karluk	K178AR.305 K178AR.650
L178SC	Dave McCulloch	Lee	L178SC.012 L178SC.161 L178SC.240 L178SC.420
L2A78SC	Jack Vedder	Lee	L2A78SC.010
L2B78SC	Dave McCulloch	Lee	L2B78SC.010 L2B78SC.200
L378EG	Terry Bruns	Lee	L378EG.050 L378EG.160 L378EG.240 L378EG.336 L378EG.420
L478BS	Mike Fisher	Lee	L478BS.010 L478BS.165 L478BS.240 L478BS.335

Table 1.--Archived marine geophysical data sets.

CRUISE IDENTIFIER	CHIEF SCIENTIST	SHIP	DATA SET(S)
L578BS	Mike Marlow	Lee	L578BS.011 L578BS.160 L578BS.335 L578BS.420
L678AR	Art Grantz	Lee	L678AR.011 L678AR.161 L678AR.336 L678AR.420
L878NP	Dave Scholl	Lee	L878NP.011 L878NP.240 L878NP.335
L978HW	Bill Normark	Lee	L978HW.050 L978HW.240 L978HW.335
L1078NC	Dave McCulloch	Lee	L1078NC.010 L1078NC.200 L1078NC.420
S178SC	Dave Cacchione	Sea Sounder	S178SC.010
S278SC	Gary Greene	Sea Sounder	S278SC.010 S278SC.200
S378SC	Bill Normark	Sea Sounder	S378SC.050
S478NC	Gary Greene	Sea Sounder	S478NC.010
S578EG	Paul Carlson	Sea Sounder	S578EG.011
S678EG	Paul Carlson	Sea Sounder	S678EG.011
S778WG	Dave Cacchione	Sea Sounder	S778WG.010
S878WG	Arnold Bouma	Sea Sounder	S878WG.050

Table 1.--Archived marine geophysical data sets.

CRUISE IDENTIFIER	CHIEF SCIENTIST	SHIP	DATA SET(S)
S1078WG	Roland Von Huene	Sea Sounder	S1078WG.010
S1178WG	Dave Cacchione	Sea Sounder	S1178WG.010
S1278NC	Sam Clarke	Sea Sounder	S1278NC.050
D279EG	Bruce Molnia	Discoverer	D279EG.051
K179AR	Erk Reimnitz	Karluk	K179AR.305 K179AR.690
K279AR	Peter Barnes	Karluk	K279AR.305 K279AR.690
L179NC	Dave Cacchione	Lee	L179NC.000
L279NC	Gary Greene	Lee	L279NC.050 L279NC.200
L379SC	Don Tompkins	Lee	L379SC.010
L479SC	Jim Crouch	Lee	L479SC.011 L479SC.420
L5A79NC	Dave McCulloch	Lee	L5A79NC.010
L5B79NC	Dave McCulloch	Lee	L5B79NC.070 L5B79NC.165
S179MX	Jim Gardner	Sea Sounder	S179MX.010 S179MX.200 S179MX.335
S2A79SC	Gary Greene	Sea Sounder	S2A79SC.050 S2A79SC.166 S2A79SC.200

Table 1.--Archived marine geophysical data sets.

CRUISE IDENTIFIER	CHIEF SCIENTIST	SHIP	DATA SET(S)
S2B79SC	Mike Field	Sea Sounder	S2B79SC.050
S379SC	Jack Vedder	Sea Sounder	S379SC.051
S479NC	Dave Rubin	Sea Sounder	S479NC.050 S479NC.200
S5A79NC	Dave Cacchione	Sea Sounder	S5A79NC.050
S5B79NC	Mike Field	Sea Sounder	S5B79NC.050
S5C79NC	Gary Greene	Sea Sounder	S5C79NC.050
S679NP	Dave Scholl	Sea Sounder	S679NP.074 S679NP.165 S679NP.200 S679NP.335
S779WG	Terry Bruns	Sea Sounder	S779WG.011 S779WG.160 S779WG.335
S8A79WG	Arnold Bouma	Sea Sounder	S8A79WG.051
S8B79WG	Monty Hampton	Sea Sounder	S8B79WG.051
S979WG	Mike Fisher	Sea Sounder	S979WG.011 S979WG.165 S979WG.200 S979WG.335
S1079EG	George Plafker	Sea Sounder	S1079EG.010 S1079EG.335
S1179EG	Bruce Molnia	Sea Sounder	S1179EG.050 S1179EG.310
S1379NC	Sam Clarke	Sea Sounder	S1379NC.011

Table 1.--Archived marine geophysical data sets.

CRUISE IDENTIFIER	CHIEF SCIENTIST	SHIP	DATA SET(S)
S1479NC	Steve Eittreim	Sea Sounder	S1479NC.011
S1579NC	Bill Normark	Sea Sounder	S1579NC.012 S1579NC.325
C180NC	John Dingler	Carmel	C180NC.052
D180EG	Bruce Molnia	Discoverer	D180EG.052
D280EG	Bruce Molnia	Discoverer	D280EG.052
D380WG	Monty Hampton	Discoverer	D380WG.052
D480BS	Paul Carlson	Discoverer	D480BS.052 D480BS.200 D480BS.335
D580BS	Paul Carlson	Discoverer	D580BS.052 D580BS.200 D580BS.335
K180AR	Erk Reimnitz	Karluk	K180AR.305 K180AR.650
L280NC	Jim Gardner	Lee	L280NC.052
L380NP	Andy Stevenson	Lee	L380NP.052 L380NP.200 L380NP.335
L480WG	Monty Hampton	Lee	L480WG.052 L480WG.161 L480WG.200
L580AA	Dave Scholl	Lee	L580AA.052 L580AA.151 L580AA.200 L580AA.336 L580AA.422

Table 1.--Archived marine geophysical data sets.

CRUISE IDENTIFIER	CHIEF SCIENTIST	SHIP	DATA SET(S)
L680BS	Mike Marlow	Lee	L680BS.052 L680BS.153 L680BS.200 L680BS.325 L680BS.421
L780BS	Hans Nelson	Lee	L780BS.052 L780BS.335
L880AR	Art Grantz	Lee	L880AR.052 L880AR.163 L880AR.335 L880AR.420
L980BS	Mike Fisher	Lee	L980BS.052 L980BS.161 L980BS.200 L980BS.335 L980BS.420
L1080NP	Andy Stevenson	Lee	L1080NP.052 L1080NP.335
L1180WO	Parke Snavelly	Lee	L1180WO.052 L1180WO.200 L1180WO.420
L1280WF	Bill Normark	Lee	L1280WF.052 L1280WF.200 L1280WF.325
L1380NP	Steve Eittreim	Lee	L1380NP.052 L1380NP.161 L1380NP.200 L1380NP.335
L1480NC	Mike Field	Lee	L1480NC.052
N180EG	Bruce Molnia	Nunatak	N180EG.050 N180EG.310
V180NC	Jim Gardner	Velero	V180NC.052

Table 1.--Archived marine geophysical data sets.

CRUISE IDENTIFIER	CHIEF SCIENTIST	SHIP	DATA SET(S)
D181EG	Monty Hampton	Discoverer	D181EG.052
D181WG	Monty Hampton	Discoverer	D181WG.052
D281BS	Paul Carlson	Discoverer	D281BS.052 D281BS.200 D281BS.335
D381BS	Herman Karl	Discoverer	D381BS.052 D381BS.335
D481NS	Monty Hampton	Discoverer	D481NS.052
K181AR	Peter Barnes	Karluk	K181AR.305 K181AR.650
K181HW	Bill Normark	Kana Keoki	K181HW.052
K281AR	Peter Barnes	Karluk	K281AR.305 K281AR.650
K381AR	Larry Phillips	Karluk	K381AR.052
K481AR	Ralph Hunter	Karluk	K481AR.052
LT81NC	Dennis Mann	Lee	LT81NC.050
L181NC	Dave Cacchione	Lee	L181NC.052
L281SC	Brian Edwards	Lee	L281SC.052
L3A81NC	Dave McCulloch	Lee	L3A81NC.070 L3A81NC.152 L3A81NC.200
L3B81NC	Dave McCulloch	Lee	L3B81NC.051

Table 1.--Archived marine geophysical data sets.

CRUISE IDENTIFIER	CHIEF SCIENTIST	SHIP	DATA SET(S)
L481NC	Dave McCulloch	Lee	L481NC.070 L481NC.161 L481NC.200
L581NC	Sam Clarke	Lee	L581NC.052 L581NC.200 L581NC.420
L681NP	Andy Stevenson	Lee	L681NP.052 L681NP.161 L681NP.200 L681NP.335
L781WG	Roland Von Huene	Lee	L781WG.053 L781WG.151 L781WG.200 L781WG.336 L781WG.421
L881WG	Terry Bruns	Lee	L881WG.053 L881WG.151 L881WG.200 L881WG.335 L881WG.420
L981AA	Dave Scholl	Lee	L981AA.070 L981AA.165 L981AA.200 L981AA.335 L981AA.421
L1081NA	Bruce Molnia	Lee	L1081NA.051 L1081NA.335
L1181WF	Bill Normark	Lee	L1181WF.052 L1181WF.161
L1281NP	Don Tompkins	Lee	L1281NP.053 L1281NP.161 L1281NP.200
L1381NC	Jim Gardner	Lee	L1381NC.051

Table 1.--Archived marine geophysical data sets.

CRUISE IDENTIFIER	CHIEF SCIENTIST	SHIP	DATA SET(S)
V181SC	Brian Edwards	Velero IV	V181SC.052 V181SC.335
K382AR	Peter Barnes	Karluk	K382AR.305 K382AR.650
K482AR	Erk Reimnitz	Karluk	K482AR.305 K482AR.650
L182NC	Terry Kelley	Lee	L182NC.051 L182NC.200 L182NC.330
L282NC	Don Tompkins	Lee	L282NC.053 L282NC.151 L282NC.200 L282NC.330
L382NC	Dave McCulloch	Lee	L382NC.051 L382NC.151 L382NC.200 L382NC.330
L482NP	Steve Eittreim	Lee	L482NP.051 L482NP.200 L482NP.330
L582SP	Dave Scholl	Lee	L582SP.070 L582SP.165 L582SP.200 L582SP.330 L582SP.420
L682SP	Gary Greene	Lee	L682SP.053 L682SP.161 L682SP.201 L682SP.330 L682SP.420
L782SP	Jack Vedder	Lee	L782SP.053 L782SP.151 L782SP.200 L782SP.330 L782SP.421

Table 1.--Archived marine geophysical data sets.

CRUISE IDENTIFIER	CHIEF SCIENTIST	SHIP	DATA SET(S)
L882NP	Dave Clague	Lee	L882NP.071 L882NP.160 L882NP.200 L882NP.320
L982BS	Mike Marlow	Lee	L982BS.052 L982BS.161 L982BS.200 L982BS.321 L982BS.421
L1082BS	Paul Carlson	Lee	L1082BS.054 L1082BS.151 L1082BS.200 L1082BS.335
L1182CS	Art Grantz	Lee	L1182CS.054 L1182CS.152 L1182CS.200 L1182CS.420
L1282WG	Terry Bruns	Lee	L1282WG.052 L1282WG.151 L1282WG.200 L1282WG.320 L1282WG.420
L1382WF	Bill Normark	Lee	L1382WF.051 L1382WF.320
K183AR	Erk Reimnitz	Karluk	K183AR.305 K183AR.652
K183NP	Jim Gardner	Kana Keoki	K183NP.050
K283AR	Peter Barnes	Karluk	K283AR.305 K283AR.652
K283NP	Dave Clague	Kana Keoki	K283NP.070 K283NP.335
L183NC	Terry Kelley	Lee	L183NC.010

Table 1.--Archived marine geophysical data sets.

CRUISE IDENTIFIER	CHIEF SCIENTIST	SHIP	DATA SET(S)
L283NC	Gary Greene	Lee	L283NC.053
L383WF	Bill Normark	Lee	L383WF.052 L383WF.330
L483BS	Mike Fisher	Lee	L483BS.070 L483BS.161 L483BS.200 L483BS.330 L483BS.400
L583HW	Jim Hein	Lee	L583HW.070 L583HW.330
L683SP	Bill Normark	Lee	L683SP.072 L683SP.330
L783SP	Monty Hampton	Lee	L783SP.054 L783SP.200 L783SP.330 L783SP.420
L883SP	Dennis Mann	Lee	L883SP.051
P283AT	Byron Ruppel	Powell	P283AT.072 P283AT.330 P283ATM41.151
P383AT	Byron Ruppel	Powell	P383AT.072 P383AT.330 P383ATM41.151
P483AT	Byron Ruppel	Powell	P483AT.072 P483AT.330 P483ATM41.151
P583AT	Byron Ruppel	Powell	P583AT.072 P583AT.330 P583ATM41.151

Table 1.--Archived marine geophysical data sets.

CRUISE IDENTIFIER	CHIEF SCIENTIST	SHIP	DATA SET(S)
P683AT	Byron Ruppel	Powell	P683AT.072 P683ATM41.151
A284WF	Bill Normark	Atlantis	A284WF.070
F184SC	Mike Field	Farnella	F184SC.070 F184SC.230 F184SC.334
F284NC	Jim Gardner	Farnella	F284NC.070 F284NC.230 F284NC.334
F384NC	Dave Cacchione	Farnella	F384NC.070 F384NC.230 F384NC.334
F484WO	Monty Hampton	Farnella	F484WO.071 F484WO.230 F484WO.334
L184AN	Steve Eittreim	Lee	L184AN.070 L184AN.155 L184AN.240 L184AN.330 L184AN.420
L284AN	Alan Cooper	Lee	L284AN.070 L284AN.163 L284AN.240 L284AN.331 L284AN.422
L384SP	Dave Scholl	Lee	L384SP.073 L384SP.161 L384SP.201 L384SP.330 L384SP.421
L884SP	Tom Chase	Lee	L884SP.071 L884SP.161 L884SP.200 L884SP.330

Table 1.--Archived marine geophysical data sets.

CRUISE IDENTIFIER	CHIEF SCIENTIST	SHIP	DATA SET(S)
L984CP	Bill Schwab	Lee	L984CP.071 L984CP.161 L984CP.200 L984CP.330
N184EG	Paul Carlson	Nunatak	N184EG.050 N184EG.310
P384AT	Byron Ruppel	Powell	P384AT.073 P384ATM32.153 P384AT.200
P484AT	Jack Swenson	Powell	P484AT.073 P484ATM32.153 P484AT.200
P584AT	Byron Ruppel	Powell	P584AT.073 P584ATM32.153
P684AT	Byron Ruppel	Powell	P684AT.073 P684ATM41.161
P784AT	Byron Ruppel	Powell	P784AT.073 P784ATM41.151
P884AT	Byron Ruppel	Powell	P884AT.073 P884ATM32.151
S184CS	Larry Phillips	Surveyor	S184CS.071 S184CS.335
L185NC	James Gardner	Lee	L185NC.071
L285NC	Mike Torresan	Lee	L285NC.071 L285NC.330
L385NC	Bill Normark	Lee	L385NC.071 L385NC.330

Table 1.--Archived marine geophysical data sets.

CRUISE IDENTIFIER	CHIEF SCIENTIST	SHIP	DATA SET(S)
L485WF	Bill Normark	Lee	L485WF.071 L485WF.200 L485WF.330
L585NC	Dave Clague	Lee	L585NC.057 L585NC.200 L585NC.330
L685NC	Janet Morton	Lee	L685NC.059 L685NC.330
L785NC	Mike Field	Lee	L785NC.071 L785NC.330
M185NC	Rick Vail	Mendocino	M185NC.050 M185NC.330 M185NC.400
P185CB	Byron Ruppel	Powell	P185CB.078 P185CBM32.152
P285CB	Byron Ruppel	Powell	P285CB.078 P285CBM32.152
P385CB	Byron Ruppel	Powell	P385CB.078 P385CBM32.152 P385CB.330
P485CB	Byron Ruppel	Powell	P485CB.078 P485CBM32.152
P585AT	Byron Ruppel	Powell	P585AT.073 P585ATM32.151
P685NS	Byron Ruppel	Powell	P685NS.072 P685NS.330
P785NS	Byron Ruppel	Powell	P785NS.073 P785NSM32.151 P785NS.330

Table 1.--Archived marine geophysical data sets.

CRUISE IDENTIFIER	CHIEF SCIENTIST	SHIP	DATA SET(S)
P885NS	Byron Ruppel	Powell	P885NS.074 P885NSM32.151 P885NS.330
P985CB	Byron Ruppel	Powell	P985CB.076 P985CBM32.151 P985CB.330
P1085VI	Byron Ruppel	Powell	P1085VI.073 P1085VI.330 P1085VIM32.152
P1185VI	Byron Ruppel	Powell	P1185VI.074 P1185VI.330 P1185VIM32.152
P1285AG	Byron Ruppel	Powell	P1285AG.078 P1285AG.330 P1285AGM32.152

SELECTED REFERENCES

- U.S. Department of Commerce, National Oceanic and Atmospheric Administration, National Geophysical and Solar-Terrestrial Data Center, 1981, The Marine Geophysical Data Exchange Format — 'MGD77', (Bathymetry, Magnetism, and Gravity): Key to Geophysical Records Documentation No. 10 (Revised), 18 p..