REPORT AND INDEX OF

UNDERWAY MARINE GEOPHYSICAL DATA

PHOENIX EXPEDITION

LEG 2

R/V Melville

(Issued May 1993)

Acapulco, Mexico (18 July 1992)
to
Manzanillo, Mexico (14 August 1992)

Chief Scientist:

Rodey Batiza (University of Hawaii)

Resident Marine Technician - Ron Comer

Computer Technician - Jim Charters

No Sea Beam/Underway Processor on board

Post-Cruise Processing and Report Preparation by the
Geological Data Center, Scripps Institution of Oceanography
La Jolla, California 92093

Data Collection and Processing Funded by:
NSF Grant Number OCE91-02183

GDC Cruise I.D.# 260

INFORMAL REPORT AND INDEX OF NAVIGATION AND UNDERWAY GEOPHYSICAL DATA

Processed by the Geological Data Center
Scripps Institution of Oceanography

Contents:

Index Chart - gives track of cruise leg, dates, ports, and mileage of each type of data collected.

Track Charts - annotated with dates and hour ticks.

Profiles - depth, magnetic anomaly and gravity free air anomaly vs. distance. (Sections of track with seismic reflection data have a wide black line along the bottom of the profile).

Sample Index - list of begin/end times and positions of all underway records as well as all other samples and measurements (geology, biology, physical oceanography, etc.) collected on the cruise leg.

NOTE: One or more of the underway data types may not be collected on a given cruise leg.

For information on the availability and reproduction costs of data in the following forms, contact S. M. Smith, Curator, Geological Data Center, Scripps Institution of Oceanography, La Jolla, CA 92093-0223. Phone (619)534-2752. Fax (619)534-5306. Internet Email:ssmith@ucsd.edu

1. Files on Exabyte, DAT or 1/2 inch magnetic tape:
   a) Separate time series ASCII files of navigation, single beam depth, gravity and magnetics.
   b) These same data in a merged ASCII file in the MGD77 Exchange format.
   c) SeaBeam depth data (binary, Sun byte order) in SIO Swath Bathymetry format (not available on 1/2" tape).
   d) SeaBeam Sidescan data (not available on 1/2" tape).

2. Microfilm (35mm flowfilm) or Xerox copies of:
   a) Underway Watch log book.
   b) SeaBeam vertical beam profile/Sidescan records.
   c) Echosounder records - 3.5 kHz frequency.
   d) Magnetometer records.
   e) Seismic reflection profiler records.

3. Navigation listing with times and positions of fixes and course and speed changes.

4. Plots:
   a) Copies of archived 1.2"/degree scale trackplots.
   b) Copies of archived 8"/degree scale SeaBeam depth plots.
   c) Custom plots in Mercator projection:
      1) Track plots.
      2) SeaBeam depth contour plots.
      3) Depth, magnetic or gravity values printed or profiled along track.

SIO SeaBeam 2000 Data Information

The following forms are available, subject to approval of the cruise leg chief scientist:

1) Hardcopy of realtime contour swath records and records with vertical beam and sidescan grayscale display are available for inspection at the data center.

2) Microfilm (35mm flowfilm) of vertical beam/sidescan records.

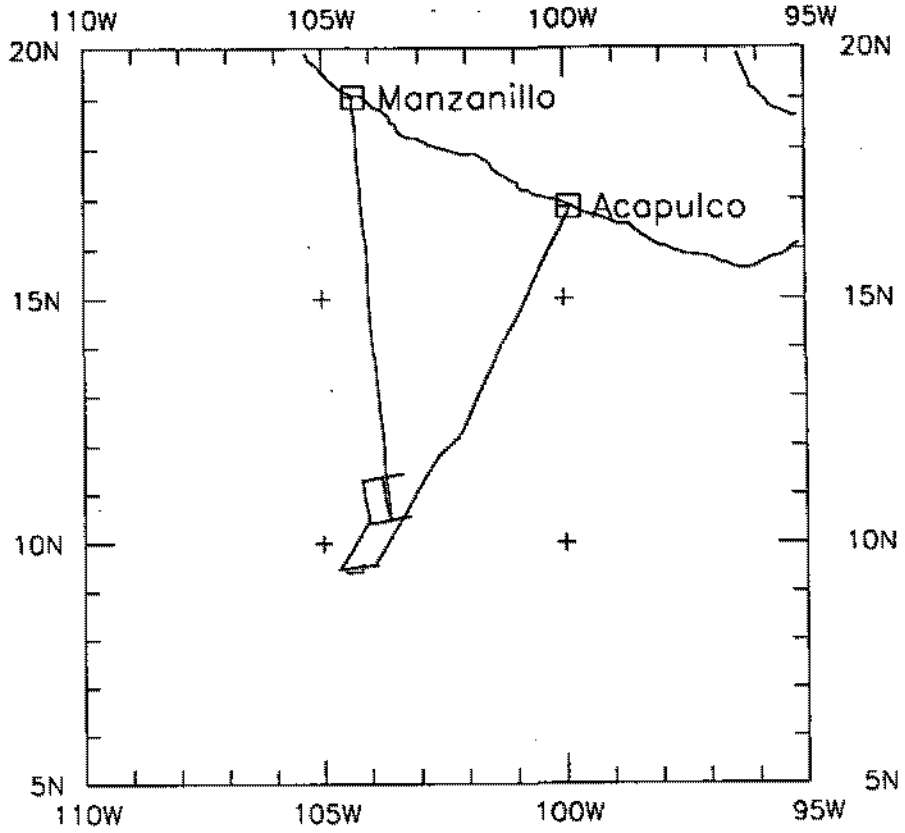
3) Sea Beam merged tapes - Sea Beam data merged with GPS-based navigation. (Navigation is edited to the extent that DR courses and speeds are edited and poor fixes are removed after inspection of speeds and drift vectors between fix pairs. No editing is done on the basis of adjusting to overlapping Sea Beam swaths.)

4) Archive contour plots - 8"/degree chart scale, with contour interval nominally 50m, are generated for all transit lines. Some survey areas are plotted at appropriate scales as well. Available for inspection at data center; additional copies may be generated from plot files stored on tape.

5) Custom generated plots of Sea Beam swaths on Mercator projection in four colors at variable plot scales and contour intervals. There are provisions to adjust positions of individual track lines and to edit out beams (bad data or overlapping data on inside of turns).

Revised February 1993

NOTE:
SeaBeam 2000 data were collected on Phoenix Leg 2 (PHNX02MV) at a reduced level of funding. No SB/UW processor was on board and funds were not available for full post-cruise data processing. Numerous spikes and bad pings remain in the data due to acoustic interference from the pinger used during dredge stations. No archive plots were produced, but DR plots with contours are available for inspection at the Data Center.



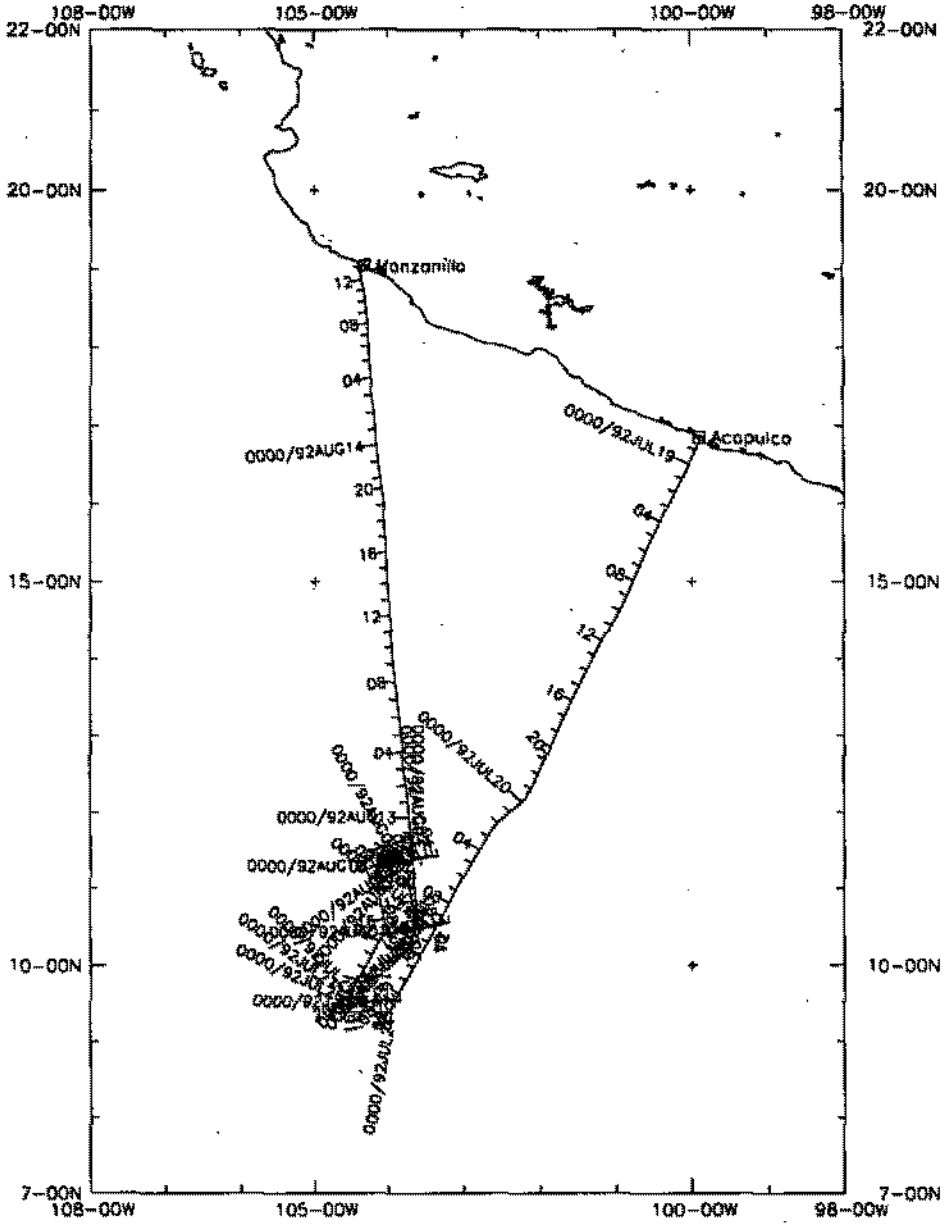
PHOENIX Leg 2 (PHNX02MV)

PHOENIX EXPEDITION LEG 2

CHIEF SCIENTIST: Rodey Batiza, Univ. of Hawaii
PORTS: Acapulco - Manzanillo, Mexico
DATES: 18 July - 14 August 1992
SHIP: R/V Melville

TOTAL MILEAGE OF UNDERWAY DATA COLLECTED

Cruise - 2063 miles	Magnetics - 415 miles
Bathymetry - 1703 miles	Seismic Reflection - none collected
Sea Beam - 1703 miles	Gravity - none collected



PHOENIX LEG 2 (PHNX02MV)

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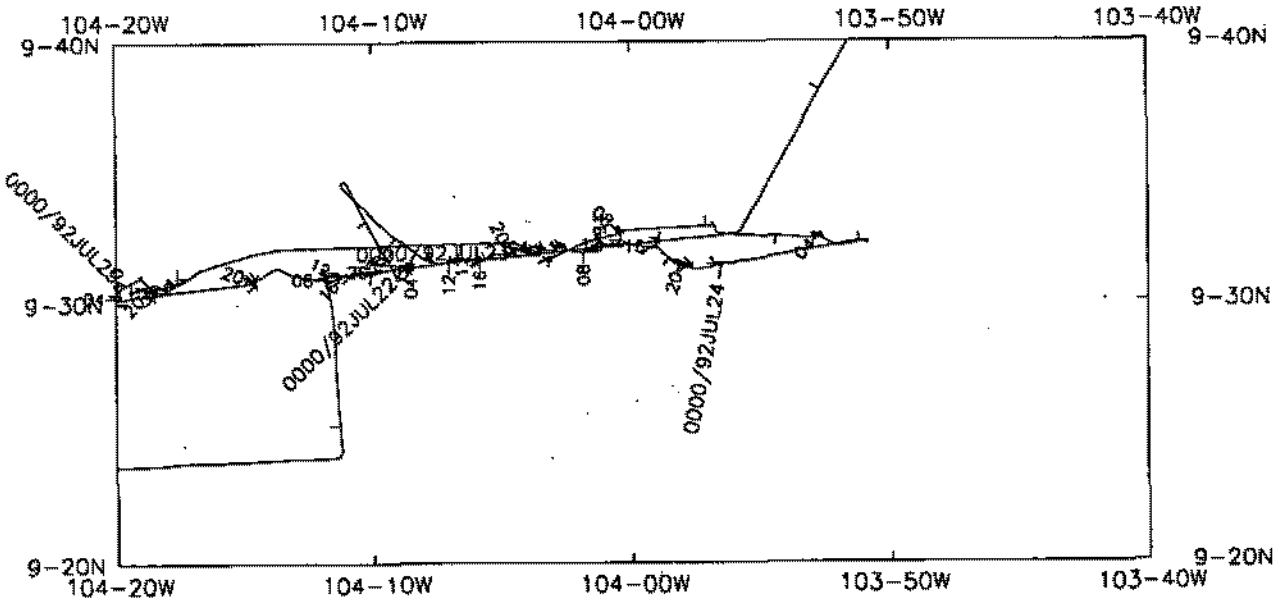
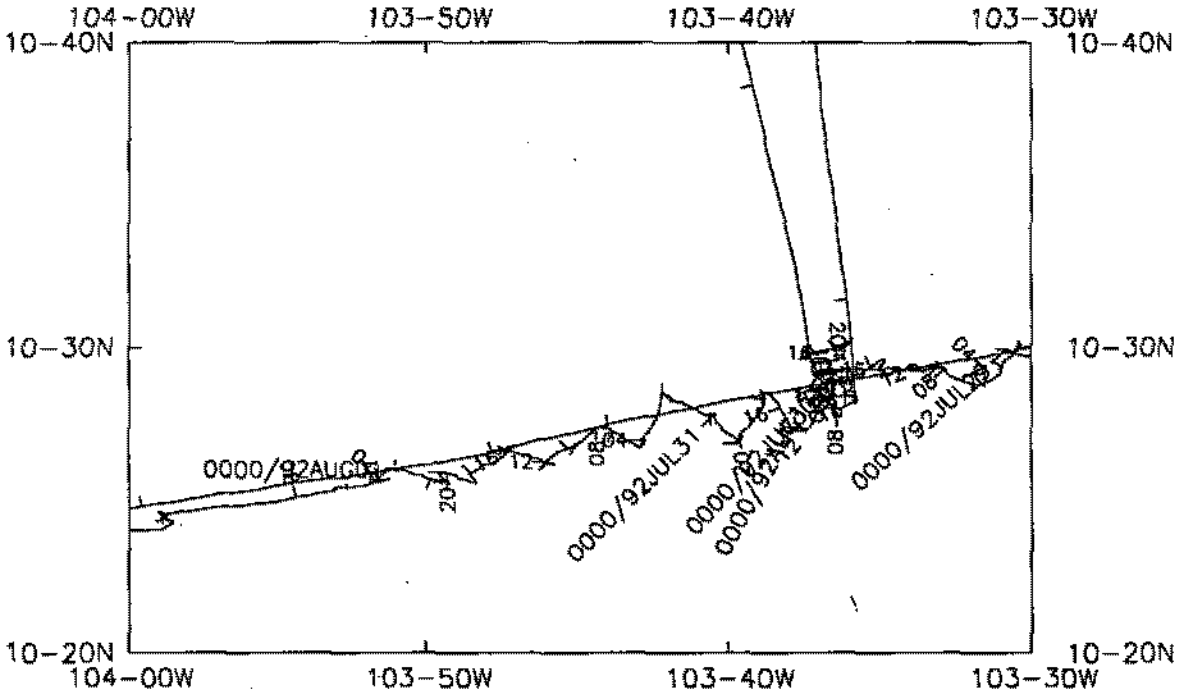
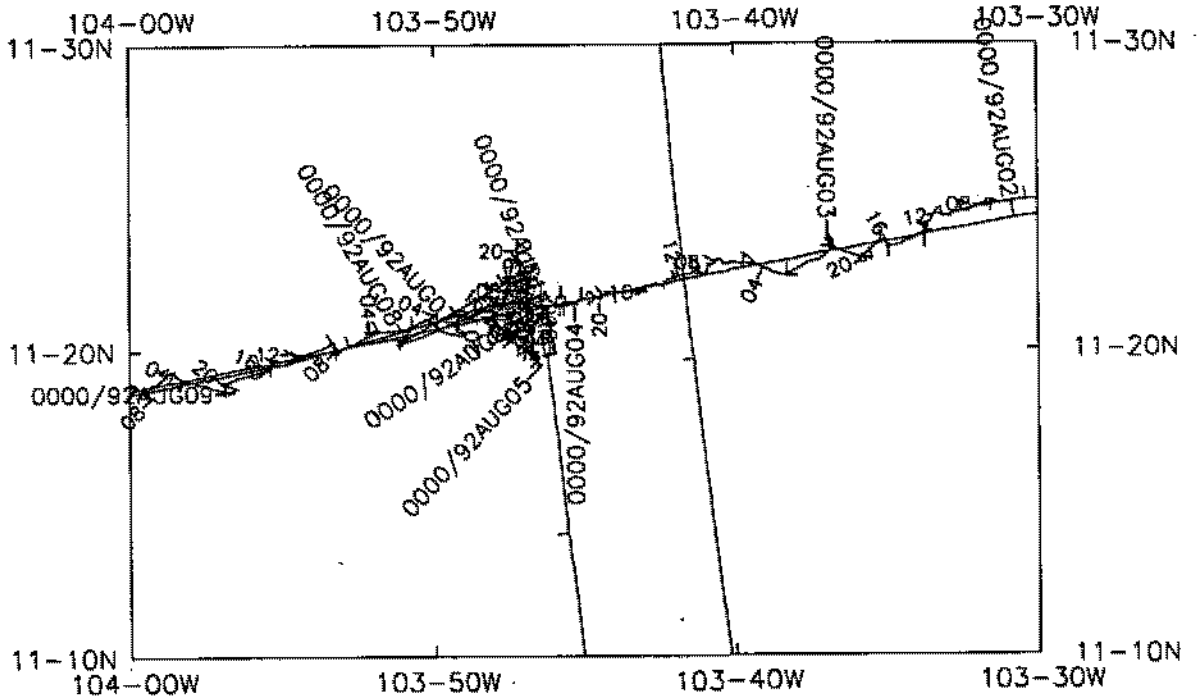


PHOENIX LEG 2 (PHNX02MV)
Survey Area 1

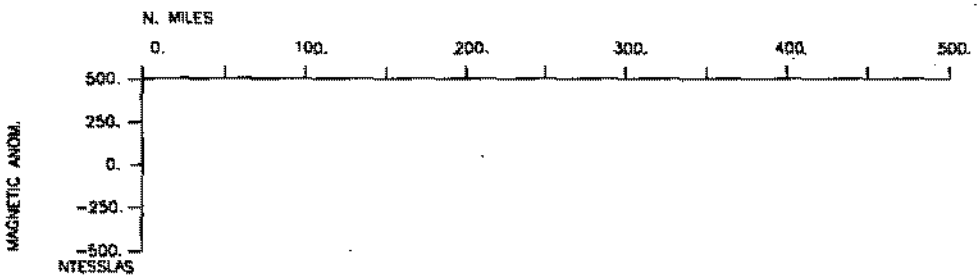


PHOENIX LEG 2 (PHNX02MV)
Survey Area 2

*



PHOENIX LEG 2 (PHNX02MV)
Survey Area 3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300.
400.
500.
MAGNETIC ANOM.
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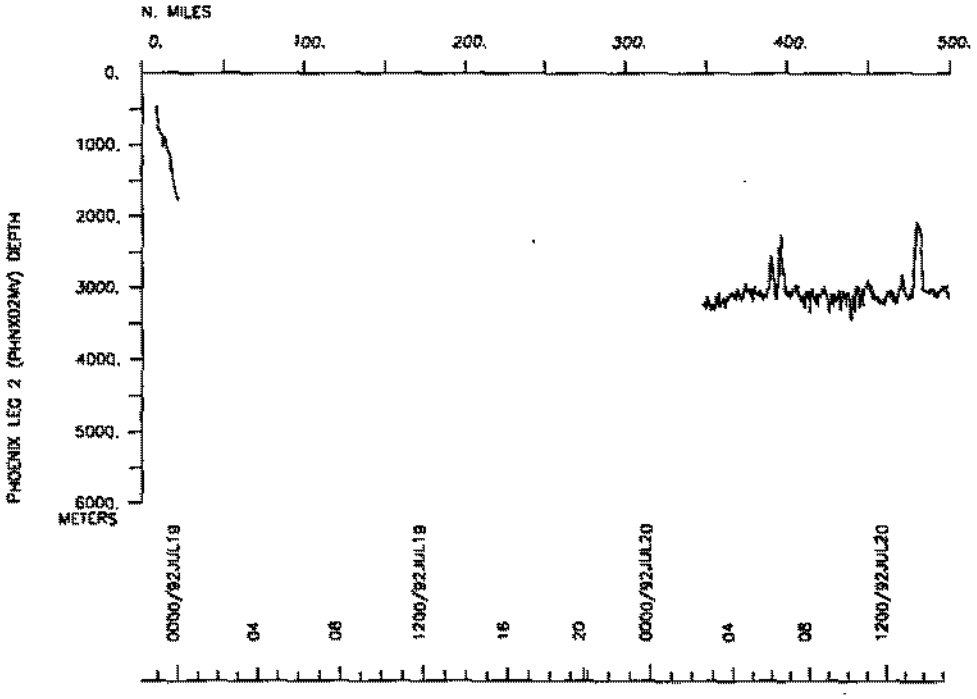
250.
0.
-250.
-500.
NTESSLAS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500.
PHOENIX LEG 2 (PHNX02NV) DEPTH
0.
1000.
2000.
3000.
4000.
5000.
6000.
METERS
0050/92JUL19
04
08
1200/92JUL19
16
20
0050/92JUL20
04
08
1200/92JUL20

N. MILES
500.
600.
700.
800.
900.
1000.
500.
250.
0.
−250.
−500.
NTESSLAS
MAGNETIC ANOMA

N. MILES
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800.
900.
1000.
0.
1000.
2000.
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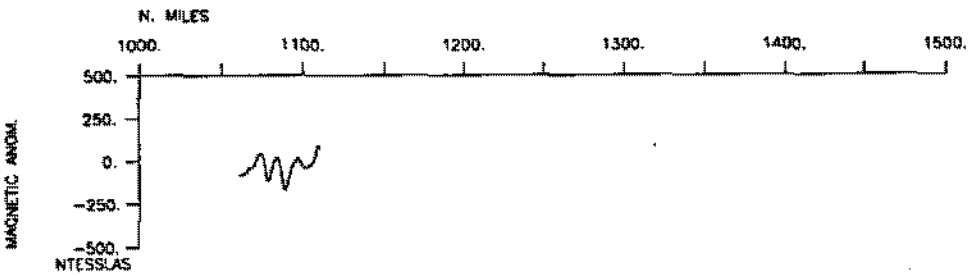
5000.
6000.
METERS
PHOENIX LEG 2 (PHANEROZOIC) DEPTH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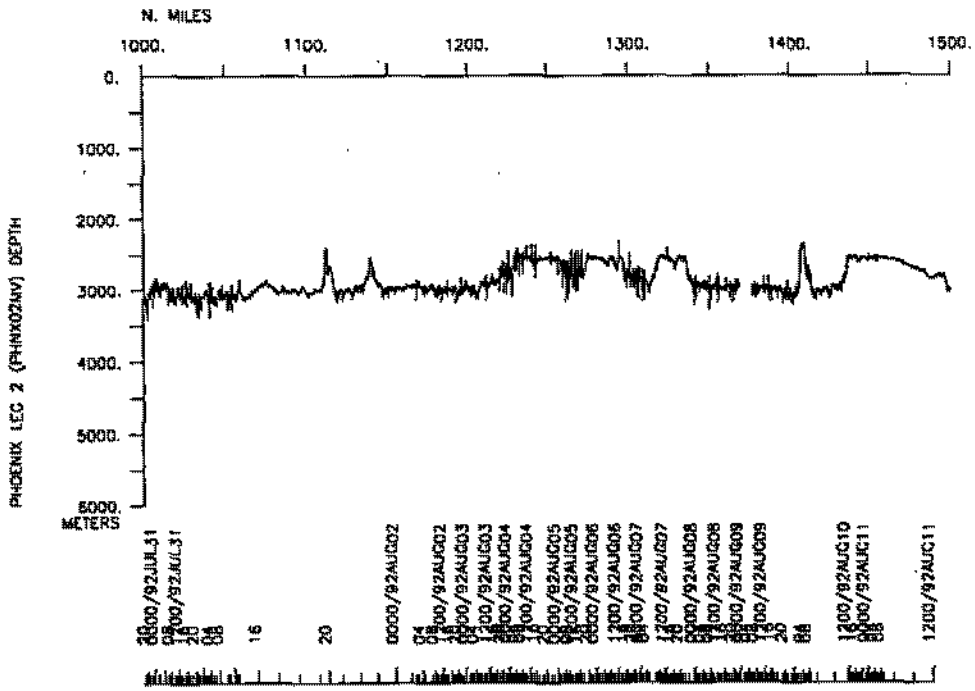
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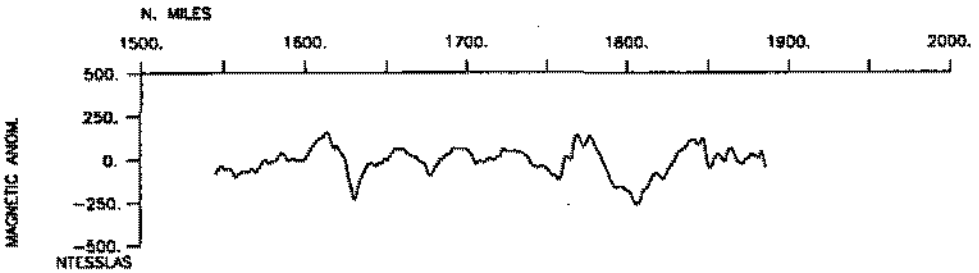
PHOENIX LEG 2 (PHNXO2NV) DEPTH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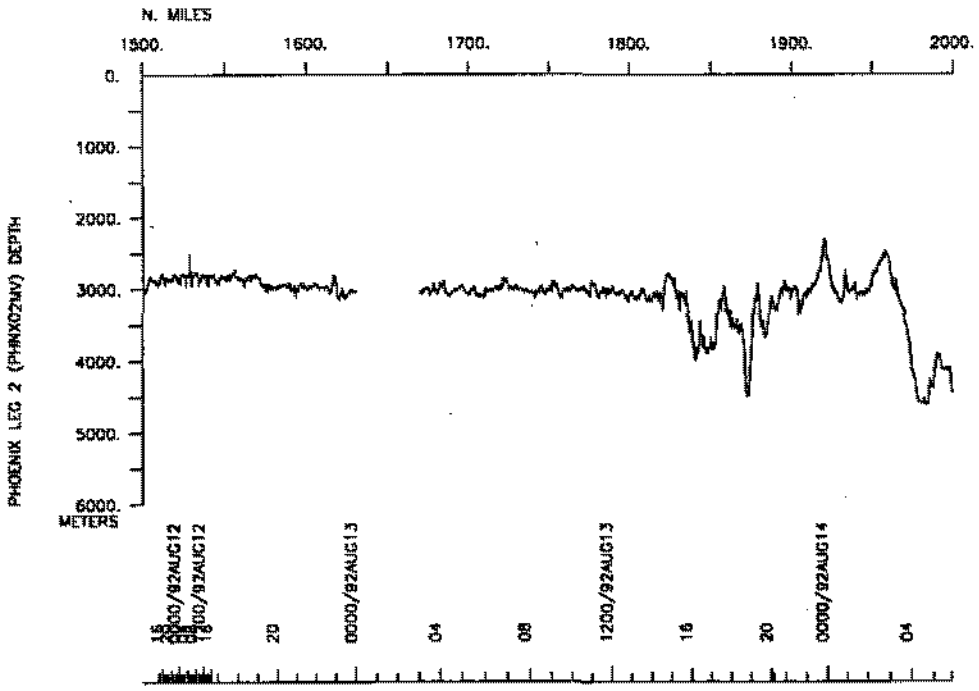
MAGNETIC ANOM.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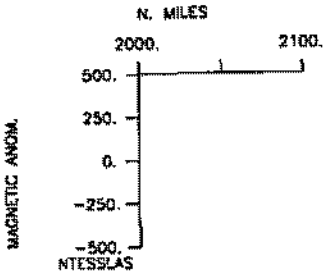
1600.
1700.
1800.
1900.
2000.
0.
1000.
2000.
3000.
4000.
5000.
6000.
METERS
PHOENIX LEG 2 (PHNX02NV) DEPTH
1200/92AUG12
1600/92AUG12
20
0000/92AUG13
04
08
1200/92AUG13
16
20
0000/92AUG14
04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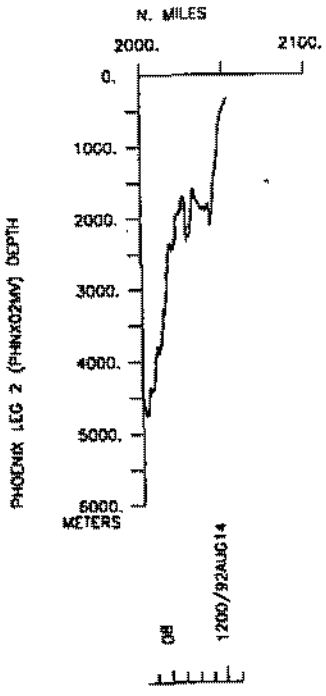
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2100.
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3000.
4000.
5000.
6000.
METERS
PHOENIX LEG 2 (PHNX02MV) DEPTH
1200/92AUG14

S.I.O. SAMPLE INDEX

(Issued May 1993)

PHOENIX EXPEDITION

Leg 2

R/V Melville

Acapulco, Mexico (18 July 1992)
to
Manzanillo, Mexico (14 August 1992)

Chief Scientist:

Rodey Batiza (University of Hawaii)

The Sample Index is a first level interdisciplinary listing of time, position, sample identification and disposition of all samples, records and measurements collected on this cruise leg. The index data are encoded at sea by the resident marine technician and processed on shore by the S.I.O. Geological Data Center shortly after the completion of the cruise leg.

Positions are interpolated on the basis of sample time by comparison to a single, edited navigation file. Samples beginning at one time and position and ending at another are entered on two consecutive lines. Disposition and sample type are represented by three and four character codes to permit further computer searches on these parameters. (Listings defining these codes are available from the Geological Data Center.)

GDC Cruise I.D.# 260

#*** PORTS ***

2800 180792 6 LGPT B Acapulco,Mexico 15-46.52N 100-25.14W g PHNX02MV
1400 140892 0 LGPT E Manzanillo, Mexico 19-04.02N 104-19.41W g PHNX02MV

#*** Personnel ***

#	********NAME********	******TITLE******	*****AFFILIATION****	**CRID**
PECS HIG	Batiza,Dr.R.	Chief Scientist	Univ. of Hawaii	PHNX02MV
PESP HIG	Karsten,Dr.J.	Professor	Univ. of Hawaii	PHNX02MV
PESP UWA	Johnson,Dr.P.	Professor	Univ. of Washington	PHNX02MV
PESP OSU	Duncan,Dr.R.	Professor	Oregon State Univ.	PHNX02MV
PESP OSU	Graham,Dr.D.	Researcher	Oregon State Univ.	PHNX02MV
PESP HIG	Plake,Dr.T.	Professor	Western Wash. Univ.	PHNX02MV
PESP UWA	Pariso,Dr.J.	Post Doc.	Univ. of Washington	PHNX02MV
PEXN PRC	Niu,Dr.Y.	Post Doc.	Lamont Doherty Geo.	PHNX02MV
PERT STS	Comer,R.L.	Resident Tech.	Scripps Institution	PHNX02MV
PECT STS	Charters,J.	Computer Tech.	Scripps Institution	PHNX02MV
PESP STS	Heckman,E.	Hardware Tech.	Scripps Institution	PHNX02MV
PESP UWA	Stein,T.	Engineer	Univ. of Washington	PHNX02MV
PESP UWA	Halbert,B.	Engineer	Univ. of Washington	PHNX02MV
PESP UWA	Semyan,S.	Technician	Univ. of Washington	PHNX02MV
PESP HIG	Rice,R.	Research Tech.	Oceanic Institute	PHNX02MV
PESP UWA	Van Patten,D.	Research Assist.	Univ. of Washington	PHNX02MV
PEST GRD	Janney,P.	Grad. Student	Scripps Institution	PHNX02MV
PEST OSU	Gallahan,W.	Grad. Student	Oregon State Univ.	PHNX02MV
PEST HIG	Cushing,J.	Grad. Student	Univ. of Hawaii	PHNX02MV
PEST HIG	Boger,W.	Grad. Student	Univ. of Hawaii	PHNX02MV
PEST HIG	Paslick,C.	Grad. Student	Univ. of Michigan	PHNX02MV
PEST HIG	Sherman,S.	Grad. Student	Univ. of Hawaii	PHNX02MV
PEST OSU	Sinton,C.	Grad. Student	Oregon State Univ.	PHNX02MV
PEVL HIG	Braden,C.	Volunteer	Univ. of Hawaii	PHNX02MV
PEVL HDU	Haile,A.	Volunteer	Harvard Univ.	PHNX02MV
PEVL HIG	Isaacs,K.	Volunteer	Univ. of Hawaii	PHNX02MV
PEVL HIG	Peterson,R.	Volunteer	Univ. of Hawaii	PHNX02MV
PEVL HIG	Stephani,R.	Volunteer	Evergreen State	PHNX02MV
PEVL HIG	Yee,J.	Volunteer	Univ. of Hawaii	PHNX02MV

#*** NOTES ***
#An 'X' in the (B)egin/(E)nd column following the sample code indicates no
#sample or data recovered. A 'C' indicates continuation of data collection
#from before the beginning or after the end of a particular leg, (moored
#bottom instruments, for example.) The number appearing in the columns
#between the sample identifier and the disposition code, for many sample
#entries, is the water depth in corrected meters. Positions are in tenths
#of minutes.

#GMT DDMMYY LOC T #TIME DATE TIME Z	SAMP CODE	SAMPLE IDENTIFIER	DISP CODE	LAT.	LONG.	CRUISE LEG-SHIP
#*** Underway data curator - S. M. Smith ext. 41898						
#*** Log books***						
2855 180792 6	LBUW B	Underway Watch Log	GDC	15-36.19N	100-30.42W g	PHNX02MV
1230 140892 0	LBUW E	Underway Watch Log	GDC	18-56.06N	104-22.46W g	PHNX02MV
2950 180792 6	LBSC B	Science/Sta. log bk	HIG	15-25.70N	100-35.61W g	PHNX02MV
1611 120892 0	LBSC E	Science/Sta. log bk	HIG	10-28.16N	103-35.88W g	PHNX02MV
#*** Echo Sounder Records ***						
2813 180792 6	DPR3 B	3.5 & 12khz Roll-01	GDC	15-44.11N	100-26.38W g	PHNX02MV
1455 220792 0	DPR3 E	3.5 & 12khz Roll-01	GDC	9-31.56N	104-06.82W g	PHNX02MV
1559 220792 0	DPR3 B	3.5 & 12khz Roll-02	GDC	9-31.69N	104-05.88W g	PHNX02MV
0558 260792 0	DPR3 E	3.5 & 12khz Roll-02	GDC	9-29.14N	104-28.76W g	PHNX02MV
0651 260792 0	DPR3 B	3.5 & 12khz Roll-03	GDC	9-29.24N	104-28.92W g	PHNX02MV
0227 300792 0	DPR3 E	3.5 & 12khz Roll-03	GDC	10-29.25N	103-36.68W g	PHNX02MV
0845 300792 0	DPR3 B	3.5 & 12khz Roll-04	GDC	10-28.56N	103-37.14W g	PHNX02MV
0625 030892 0	DPR3 E	3.5 & 12khz Roll-04	GDC	11-22.85N	103-40.29W g	PHNX02MV
0654 030892 0	DPR3 B	3.5 & 12khz Roll-05	GDC	11-22.93N	103-40.63W g	PHNX02MV
0730 090892 0	DPR3 E	3.5 & 12khz Roll-05	GDC	11-18.48N	103-59.31W g	PHNX02MV
0739 090892 0	DPR3 B	3.5 & 12khz Roll-06	GDC	11-18.50N	103-59.34W g	PHNX02MV
1230 140892 0	DPR3 E	3.5 & 12khz Roll-06	GDC	18-56.06N	104-22.46W g	PHNX02MV
#*** Magnetics (Earth Total Field) Records ***						
2113 190792 0	MGRA B	Magnetics Roll-1	GDC	12-39.28N	101-57.65W g	PHNX02MV
2000 130892 0	MGRA E	Magnetics Roll-1	GDC	16-11.41N	104-05.42W g	PHNX02MV
#*** Sea Beam Records (Vertical beam and Side Scan) ***						
2833 180792 6	MBSR B	Sidescan Roll-1	GDC	15-40.33N	100-28.27W g	PHNX02MV
0640 190792 0	MBSR E	Sidescan Roll-1	GDC	15-16.09N	100-40.13W g	PHNX02MV
0705 190792 0	MBSR B	Sidescan Roll-2	GDC	15-11.27N	100-42.29W g	PHNX02MV
1230 140892 0	MBSR E	Sidescan Roll-2	GDC	18-56.06N	104-22.46W g	PHNX02MV

#GMT DDMMYY LOC T #TIME DATE TIME Z	SAMP CODE	SAMPLE IDENTIFIER	DISP CODE	LAT.	LONG.	CRUISE LEG-SHIP
#*** Rock Drill ***						
0026 210792 0	CORD X	Rock Drill	2450M UWA	9-30.89N	104-14.68W g	PHNX02MV
#*** Glass Cores ***						
0319 300792 6	CORG x	Glass corer-01	2812M HIG	10-28.58N	103-36.17W g	PHNX02MV
0442 300792 0	CORG	Glass corer-02	2782M HIG	10-29.62N	103-36.80W g	PHNX02MV
0615 300792 0	CORG	Glass corer-03	2814M HIG	10-28.09N	103-36.54W g	PHNX02MV
0743 300792 0	CORG	Glass corer-04	2827M HIG	10-27.77N	103-36.49W g	PHNX02MV
1742 040892 0	CORG x	Glass corer-05	2550M HIG	11-19.53N	103-46.43W g	PHNX02MV
1851 040892 0	CORG	Glass corer-06	2554M HIG	11-19.96N	103-46.55W g	PHNX02MV
1945 040892 0	CORG	Glass corer-07	2535M HIG	11-21.02N	103-46.74W g	PHNX02MV
2035 040892 0	CORG	Glass corer-08	2542M HIG	11-21.13N	103-46.61W g	PHNX02MV
2000 050892 0	CORG	Glass corer-09	2523M HIG	11-23.27N	103-47.20W g	PHNX02MV
2053 050892 0	CORG	Glass corer-10	2529M HIG	11-22.97N	103-47.12W g	PHNX02MV
2150 050892 0	CORG	Glass corer-11	2533M HIG	11-22.52N	103-46.95W g	PHNX02MV
2239 050892 0	CORG	Glass corer-12	2547M HIG	11-22.29N	103-46.83W g	PHNX02MV
2332 050892 0	CORG	Glass corer-13	2545M HIG	11-21.70N	103-46.79W g	PHNX02MV
0023 060892 0	CORG	Glass corer-14	2550M HIG	11-21.28N	103-46.70W g	PHNX02MV
0115 060892 0	CORG	Glass corer-15	2539M HIG	11-20.82N	103-46.72W g	PHNX02MV
0203 060892 0	CORG	Glass corer-16	2546M HIG	11-20.31N	103-46.67W g	PHNX02MV
0309 060892 0	CORG	Glass corer-17	2559M HIG	11-19.73N	103-46.48W g	PHNX02MV
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0503 060892 0	CORG	Glass corer-19	2586M HIG	11-20.44N	103-47.21W g	PHNX02MV
0555 060892 0	CORG	Glass corer-20	2609M HIG	11-20.34N	103-47.36W g	PHNX02MV
0646 060892 0	CORG	Glass corer-21	2641M HIG	11-20.59N	103-47.48W g	PHNX02MV
0740 060892 0	CORG	Glass corer-22	2609M HIG	11-20.62N	103-47.15W g	PHNX02MV
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0922 060892 0	CORG	Glass corer-24	2538M HIG	11-21.29N	103-46.70W g	PHNX02MV
1012 060892 0	CORG	Glass corer-25	2562M HIG	11-20.97N	103-47.08W g	PHNX02MV
1101 060892 0	CORG	Glass corer-26	2656M HIG	11-20.90N	103-47.33W g	PHNX02MV
1153 060892 0	CORG	Glass corer-27	2718M HIG	11-21.14N	103-47.56W g	PHNX02MV
1244 060892 0	CORG	Glass corer-28	2541M HIG	11-21.42N	103-46.93W g	PHNX02MV
1332 060892 0	CORG	Glass corer-29	2530M HIG	11-21.65N	103-47.05W g	PHNX02MV
1422 060892 0	CORG	Glass corer-30	2555M HIG	11-21.63N	103-47.31W g	PHNX02MV
0637 070892 0	CORG x	Glass corer-31	2707M HIG	11-21.57N	103-47.55W g	PHNX02MV
0729 070892 0	CORG	Glass corer-32	2660M HIG	11-21.86N	103-47.57W g	PHNX02MV
0820 070892 0	CORG	Glass corer-33	2556M HIG	11-21.95N	103-47.32W g	PHNX02MV
0909 070892 0	CORG	Glass corer-34	2510M HIG	11-22.03N	103-47.06W g	PHNX02MV
0955 070892 0	CORG	Glass corer-35	2550M HIG	11-22.07N	103-46.69W g	PHNX02MV

#GMT TIME	DDMMYY DATE	LOC TIME	T Z	SAMP CODE	SAMPLE IDENTIFIER	DISP CODE	LAT.	LONG.	CRUISE LEG-SHIP
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1136	070892	0	CORG	Glass corer-37	2533M HIG		11-22.16N	103-46.42W	g PHNX02MV
1218	070892	0	CORG	Glass corer-38	2515M HIG		11-22.37N	103-46.50W	g PHNX02MV
1300	070892	0	CORG	Glass corer-39	2514M HIG		11-22.35N	103-46.64W	g PHNX02MV
1343	070892	0	CORG	Glass corer-40	2550M HIG		11-22.31N	103-46.82W	g PHNX02MV
1429	070892	0	CORG	Glass corer-41	2544M HIG		11-22.27N	103-47.13W	g PHNX02MV
1517	070892	0	CORG	Glass corer-42	2562M HIG		11-22.22N	103-47.18W	g PHNX02MV
1609	070892	0	CORG	Glass corer-43	2583M HIG		11-22.18N	103-47.36W	g PHNX02MV
1659	070892	0	CORG	Glass corer-44	2691M HIG		11-22.14N	103-47.69W	g PHNX02MV
1805	070892	0	CORG	Glass corer-45	2651M HIG		11-22.39N	103-47.53W	g PHNX02MV
1855	070892	0	CORG	Glass corer-46	2571M HIG		11-22.44N	103-47.31W	g PHNX02MV
1943	070892	0	CORG	Glass corer-47	2533M HIG		11-22.46N	103-47.14W	g PHNX02MV
2031	070892	0	CORG	Glass corer-48	2558M HIG		11-22.53N	103-46.86W	g PHNX02MV
2118	070892	0	CORG	Glass corer-49	2525M HIG		11-22.55N	103-46.73W	g PHNX02MV
2222	070892	0	CORG	Glass corer-50	2510M HIG		11-22.69N	103-46.61W	g PHNX02MV
1306	100892	0	CORG	Glass corer-51	2538M HIG		11-21.70N	103-46.64W	g PHNX02MV
1351	100892	0	CORG	Glass corer-52	2530M HIG		11-21.77N	103-46.55W	g PHNX02MV
1438	100892	0	CORG	Glass corer-53	2542M HIG		11-21.79N	103-46.38W	g PHNX02MV
1525	100892	0	CORG	Glass corer-54	2546M HIG		11-21.50N	103-46.36W	g PHNX02MV
1618	100892	0	CORG	Glass corer-55	2555M HIG		11-21.39N	103-46.52W	g PHNX02MV
1708	100892	0	CORG	Glass corer-56	2537M HIG		11-21.23N	103-46.48W	g PHNX02MV
1757	100892	0	CORG	Glass corer-57	2596M HIG		11-21.19N	103-46.21W	g PHNX02MV
1847	100892	0	CORG	Glass corer-58	2605M HIG		11-21.21N	103-46.14W	g PHNX02MV
1937	100892	0	CORG	Glass corer-59	2567M HIG		11-21.14N	103-46.13W	g PHNX02MV
2025	100892	0	CORG	Glass corer-60	2552M HIG		11-21.07N	103-46.36W	g PHNX02MV
2117	100892	0	CORG	Glass corer-61	2545M HIG		11-20.91N	103-46.56W	g PHNX02MV
2239	100892	0	CORG	Glass corer-62	2540M HIG		11-20.81N	103-46.47W	g PHNX02MV
2324	100892	0	CORG	Glass corer-63	2563M HIG		11-20.82N	103-46.18W	g PHNX02MV
0010	110892	0	CORG	Glass corer-64	2600M HIG		11-20.88N	103-46.02W	g PHNX02MV
0055	110892	0	CORG	Glass corer-65	2579M HIG		11-20.67N	103-46.13W	g PHNX02MV
0135	110892	0	CORG	Glass corer-66	2567M HIG		11-20.56N	103-46.17W	g PHNX02MV
0220	110892	0	CORG	Glass corer-67	2558M HIG		11-20.55N	103-46.42W	g PHNX02MV
0304	110892	0	CORG	Glass corer-68	2555M HIG		11-20.24N	103-46.32W	g PHNX02MV
0526	110892	0	CORG	Glass corer-69	2578M HIG		11-20.27N	103-46.15W	g PHNX02MV
0615	110892	0	CORG	Glass corer-70	2590M HIG		11-20.31N	103-45.98W	g PHNX02MV
0719	110892	0	CORG	Glass corer-71	2553M HIG		11-19.90N	103-45.97W	g PHNX02MV
0821	110892	0	CORG	Glass corer-72	2540M HIG		11-19.86N	103-46.13W	g PHNX02MV
0906	110892	0	CORG	Glass corer-73	2541M HIG		11-19.81N	103-46.26W	g PHNX02MV
1424	110892	0	CORG	Glass corer-74	2906M HIG		10-29.75N	103-37.33W	g PHNX02MV
1515	110892	0	CORG	Glass corer-75	2818M HIG		10-29.79N	103-37.09W	g PHNX02MV

#GMT TIME	DDMMYY DATE	LOC TIME	T Z		SAMP CODE	SAMPLE IDENTIFIER		DISP CODE	LAT.	LONG.		CRUISE LEG-SHIP
1605	110892		0	CORG	Glass corer-76	2818M	HIG		10-29.83N	103-36.77W	g	PHNX02MV
1754	110892		0	CORG	Glass corer-77	2825M	HIG		10-29.93N	103-36.53W	g	PHNX02MV
1844	110892		0	CORG	Glass corer-78	2867M	HIG		10-29.99N	103-36.20W	g	PHNX02MV
1934	110892		0	CORG	Glass corer-79	2882M	HIG		10-29.58N	103-36.20W	g	PHNX02MV
2026	110892		0	CORG	Glass corer-80	2897M	HIG		10-29.59N	103-36.44W	g	PHNX02MV
2115	110892		0	CORG	Glass corer-81	2812M	HIG		10-29.52N	103-36.73W	g	PHNX02MV
2220	110892		0	CORG	Glass corer-82	2800M	HIG		10-29.49N	103-36.91W	g	PHNX02MV
2334	110892		0	CORG	Glass corer-83	2881M	HIG		10-29.42N	103-37.18W	g	PHNX02MV
0025	120892		0	CORG	Glass corer-84	2870M	HIG		10-29.09N	103-37.13W	g	PHNX02MV
0145	120892		0	CORG	Glass corer-85	2776M	HIG		10-29.14N	103-36.84W	g	PHNX02MV
0234	120892		0	CORG	Glass corer-86	2815M	HIG		10-29.18N	103-36.63W	g	PHNX02MV
0324	120892		0	CORG	Glass corer-87	2925M	HIG		10-29.23N	103-36.27W	g	PHNX02MV
0413	120892		0	CORG	Glass corer-88	2803M	HIG		10-29.27N	103-36.03W	g	PHNX02MV
0502	120892		0	CORG	Glass corer-89	2807M	HIG		10-28.85N	103-35.94W	g	PHNX02MV
0550	120892		0	CORG	Glass corer-90	2915M	HIG		10-28.83N	103-36.22W	g	PHNX02MV
0644	120892		0	CORG	x Glass corer-91	2820M	HIG		10-28.75N	103-36.52W	g	PHNX02MV
0844	120892		0	CORG	Glass corer-92	2767M	HIG		10-28.70N	103-36.80W	g	PHNX02MV
0936	120892		0	CORG	Glass corer-93	2870M	HIG		10-28.68N	103-37.03W	g	PHNX02MV
1030	120892		0	CORG	Glass corer-94	2875M	HIG		10-28.31N	103-36.90W	g	PHNX02MV
1125	120892		0	CORG	Glass corer-95	2769M	HIG		10-28.33N	103-36.79W	g	PHNX02MV
1217	120892		0	CORG	Glass corer-96	2819M	HIG		10-28.38N	103-36.60W	g	PHNX02MV
1318	120892		0	CORG	Glass corer-97	2811M	HIG		10-28.38N	103-36.45W	g	PHNX02MV
1407	120892		0	CORG	Glass corer-98	2942M	HIG		10-28.44N	103-36.18W	g	PHNX02MV
1513	120892		0	CORG	Glass corer-99	2798M	HIG		10-28.49N	103-35.91W	g	PHNX02MV
1611	120892		0	CORG	Glass corer100	2820M	HIG		10-28.16N	103-35.88W	g	PHNX02MV
#*** Dredges ***												
0934	210792		0	DRRO	Dredge-001	2778M	HIG		9-30.97N	104-11.85W	g	PHNX02MV
1215	210792		0	DRRO	Dredge-002	2818M	HIG		9-31.04N	104-11.32W	g	PHNX02MV
1520	210792		0	DRRO	Dredge-003	2771M	HIG		9-31.10N	104-10.76W	g	PHNX02MV
1829	210792		0	DRRO	Dredge-004	2850M	HIG		9-31.19N	104-10.33W	g	PHNX02MV
2151	210792		0	DRRO	Dredge-005	2850M	HIG		9-31.28N	104-09.74W	g	PHNX02MV
0031	220792		0	DRRO	Dredge-006	2950M	HIG		9-31.44N	104-08.60W	g	PHNX02MV
1019	220792		0	DRRO	Dredge-007	2860M	HIG		9-31.59N	104-07.74W	g	PHNX02MV
1347	220792		0	DRRO	Dredge-008	2960M	HIG		9-31.51N	104-07.11W	g	PHNX02MV
1703	220792		0	DRRO	Dredge-009	3127M	HIG		9-31.73N	104-05.96W	g	PHNX02MV
2034	220792		0	DRRO	Dredge-010	3123M	HIG		9-31.88N	104-04.71W	g	PHNX02MV
0005	230792		0	DRRO	Dredge-011	3020M	HIG		9-31.84N	104-03.98W	g	PHNX02MV
0330	230792		0	DRRO	x Dredge-012	2972M	HIG		9-32.05N	104-03.35W	g	PHNX02MV
0631	230792		0	DRRO	x Dredge-013	3022M	HIG		9-32.18N	104-02.64W	g	PHNX02MV
0941	230792		0	DRRO	Dredge-014	2837M	HIG		9-32.01N	104-01.52W	g	PHNX02MV
1322	230792		0	DRRO	Dredge-015	2978M	HIG		9-32.13N	104-00.41W	g	PHNX02MV

#GMT TIME	DDMMYY DATE	LOC TIME	T Z		SAMP CODE	SAMPLE IDENTIFIER	DISP CODE	LAT.	LONG.		CRUISE LEG-SHIP
1634	230792	0	DRRO	x	Dredge-016	2880M	HIG	9-32.07N	103-59.00W	g	PHNX02MV
1932	230792	0	DRRO		Dredge-017	3080M	HIG	9-31.43N	103-57.67W	g	PHNX02MV
2326	230792	0	DRRO		Dredge-018	3080M	HIG	9-31.46N	103-56.68W	g	PHNX02MV
0321	240792	0	DRRO		Dredge-019	3014M	HIG	9-32.46N	103-52.76W	g	PHNX02MV
0716	240792	0	DRRO		Dredge-020	3010M	HIG	9-32.70N	104-00.29W	g	PHNX02MV
0953	240792	0	DRRO		Dredge-021	3174M	HIG	9-31.67N	104-03.10W	g	PHNX02MV
1402	240792	0	DRRO		Dredge-022	2647M	HIG	9-30.96N	104-17.57W	g	PHNX02MV
1748	240792	0	DRRO		Dredge-023	2627M	HIG	9-30.44N	104-18.10W	g	PHNX02MV
2107	240792	0	DRRO		Dredge-024	2800M	HIG	9-30.53N	104-18.65W	g	PHNX02MV
0004	250792	0	DRRO		Dredge-025	2885M	HIG	9-30.45N	104-19.39W	g	PHNX02MV
0310	250792	0	DRRO		Dredge-026	2966M	HIG	9-30.34N	104-19.88W	g	PHNX02MV
0544	250792	0	DRRO		Dredge-027	2838M	HIG	9-30.06N	104-20.49W	g	PHNX02MV
0816	250792	0	DRRO		Dredge-028	2655M	HIG	9-30.13N	104-21.00W	g	PHNX02MV
1057	250792	0	DRRO		Dredge-029	2930M	HIG	9-29.95N	104-21.71W	g	PHNX02MV
1412	250792	0	DRRO		Dredge-030	2982M	HIG	9-29.74N	104-22.83W	g	PHNX02MV
1712	250792	0	DRRO		Dredge-031	2970M	HIG	9-29.91N	104-23.93W	g	PHNX02MV
2007	250792	0	DRRO		Dredge-032	2959M	HIG	9-29.60N	104-24.40W	g	PHNX02MV
2312	250792	0	DRRO		Dredge-033	2890M	HIG	9-29.35N	104-25.72W	g	PHNX02MV
0158	260792	0	DRRO		Dredge-034	2738M	HIG	9-29.31N	104-26.27W	g	PHNX02MV
0446	260792	0	DRRO		Dredge-035	2971M	HIG	9-29.21N	104-27.80W	g	PHNX02MV
0739	260792	0	DRRO		Dredge-036	2787M	HIG	9-29.19N	104-28.95W	g	PHNX02MV
1053	260792	0	DRRO		Dredge-037	2857M	HIG	9-29.06N	104-29.76W	g	PHNX02MV
1357	260792	0	DRRO		Dredge-038	3117M	HIG	9-28.69N	104-30.91W	g	PHNX02MV
1700	260792	0	DRRO		Dredge-039	2907M	HIG	9-28.71N	104-32.00W	g	PHNX02MV
2100	260792	0	DRRO		Dredge-040	3020M	HIG	9-27.74N	104-39.64W	g	PHNX02MV
1038	270792	0	DRRO		Dredge-041	3215M	HIG	10-32.91N	103-13.55W	g	PHNX02MV
1332	270792	0	DRRO		Dredge-042	3218M	HIG	10-32.58N	103-16.11W	g	PHNX02MV
1640	270792	0	DRRO		Dredge-043	3166M	HIG	10-30.92N	103-19.23W	g	PHNX02MV
1934	270792	0	DRRO		Dredge-044	3249M	HIG	10-31.59N	103-20.57W	g	PHNX02MV
2237	270792	0	DRRO		Dredge-045	3257M	HIG	10-32.16N	103-21.54W	g	PHNX02MV
0128	280792	0	DRRO		Dredge-046	3050M	HIG	10-31.17N	103-22.45W	g	PHNX02MV
0429	280792	0	DRRO		Dredge-047	3287M	HIG	10-31.08N	103-22.87W	g	PHNX02MV
0720	280792	0	DRRO		Dredge-048	3391M	HIG	10-31.00N	103-24.52W	g	PHNX02MV
1020	280792	0	DRRO		Dredge-049	3211M	HIG	10-31.08N	103-25.28W	g	PHNX02MV

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1334	280792	0	DRRO	Dredge-050	3260M	HIG	10-30.71N	103-26.63W g	PHNX02MV
1626	280792	0	DRRO	Dredge-051	3200M	HIG	10-30.96N	103-27.84W g	PHNX02MV
1958	280792	0	DRRO	Dredge-052	3060M	HIG	10-30.08N	103-29.23W g	PHNX02MV
2237	280792	0	DRRO	Dredge-053	2237M	HIG	10-30.12N	103-29.98W g	PHNX02MV
0112	290792	0	DRRO	Dredge-054	3029M	HIG	10-29.90N	103-30.81W g	PHNX02MV
0508	290792	0	DRRO	Dredge-055	3254M	HIG	10-29.19N	103-31.91W g	PHNX02MV
0843	290792	0	DRRO	Dredge-056	3247M	HIG	10-29.25N	103-32.85W g	PHNX02MV
1151	290792	0	DRRO	Dredge-057	3121M	HIG	10-29.25N	103-33.73W g	PHNX02MV
1421	290792	0	DRRO	Dredge-058	2989M	HIG	10-29.29N	103-34.49W g	PHNX02MV
1701	290792	0	DRRO	Dredge-059	2893M	HIG	10-29.25N	103-35.04W g	PHNX02MV
1944	290792	0	DRRO	Dredge-060	2828M	HIG	10-28.99N	103-35.89W g	PHNX02MV
2227	290792	0	DRRO	Dredge-061	2920M	HIG	10-28.94N	103-36.31W g	PHNX02MV
0056	300792	0	DRRO	Dredge-062	2832M	HIG	10-28.81N	103-36.75W g	PHNX02MV
0927	300792	0	DRRO	Dredge-063	2971M	HIG	10-28.58N	103-37.15W g	PHNX02MV
1213	300792	0	DRRO	Dredge-064	3159M	HIG	10-27.29N	103-37.52W g	PHNX02MV
1504	300792	0	DRRO	Dredge-065	2973M	HIG	10-27.26N	103-38.21W g	PHNX02MV
1745	300792	0	DRRO	Dredge-066	3064M	HIG	10-28.53N	103-38.89W g	PHNX02MV
2024	300792	0	DRRO	Dredge-067	3123M	HIG	10-26.97N	103-39.52W g	PHNX02MV
2314	300792	0	DRRO	Dredge-068	2947M	HIG	10-27.73N	103-40.55W g	PHNX02MV
0155	310792	0	DRRO	Dredge-069	3035M	HIG	10-28.26N	103-41.90W g	PHNX02MV
0503	310792	0	DRRO	Dredge-070	2955M	HIG	10-26.90N	103-42.78W g	PHNX02MV
0737	310792	0	DRRO	Dredge-071	3083M	HIG	10-27.38N	103-44.01W g	PHNX02MV
1015	310792	0	DRRO	Dredge-072	3151M	HIG	10-26.77N	103-44.98W g	PHNX02MV
1305	310792	0	DRRO	Dredge-073	2982M	HIG	10-26.20N	103-45.86W g	PHNX02MV
1547	310792	0	DRRO	Dredge-074	3087M	HIG	10-26.63N	103-47.40W g	PHNX02MV
1855	310792	0	DRRO	Dredge-075	3140M	HIG	10-25.87N	103-48.57W g	PHNX02MV
2144	310792	0	DRRO	Dredge-076	3323M	HIG	10-25.87N	103-49.56W g	PHNX02MV
0045	010892	0	DRRO	Dredge-077	3042M	HIG	10-25.97N	103-50.79W g	PHNX02MV
0349	010892	0	DRRO	Dredge-078	3141M	HIG	10-25.61N	103-51.78W g	PHNX02MV
0701	010892	0	DRRO	Dredge-079	3163M	HIG	10-25.42N	103-52.75W g	PHNX02MV
0950	010892	0	DRRO	Dredge-080	3168M	HIG	10-24.51N	103-58.84W g	PHNX02MV
1303	010892	0	DRRO	Dredge-081	3140M	HIG	10-24.03N	104-00.68W g	PHNX02MV
0222	020892	0	DRRO	Dredge-082	2946M	HIG	11-25.63N	103-23.11W g	PHNX02MV
0515	020892	0	DRRO	Dredge-083	2996M	HIG	11-25.39N	103-25.80W g	PHNX02MV
0825	020892	0	DRRO	Dredge-084	3051M	HIG	11-24.75N	103-31.77W g	PHNX02MV
1142	020892	0	DRRO	Dredge-085	3016M	HIG	11-24.33N	103-32.90W g	PHNX02MV
1431	020892	0	DRRO	Dredge-086	3025M	HIG	11-23.68N	103-33.75W g	PHNX02MV
1725	020892	0	DRRO	Dredge-087	3036M	HIG	11-23.36N	103-34.94W g	PHNX02MV
2031	020892	0	DRRO	Dredge-088	3008M	HIG	11-23.07N	103-35.80W g	PHNX02MV
2318	020892	0	DRRO	Dredge-089	2318M	HIG	11-23.33N	103-36.73W g	PHNX02MV

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0219	030892	0	DRRO		Dredge-090	3003M	HIG	11-22.44N	103-38.33W	g	PHNX02MV
0520	030892	0	DRRO		Dredge-091	3101M	HIG	11-22.81N	103-39.35W	g	PHNX02MV
0823	030892	0	DRRO		Dredge-092	2900M	HIG	11-22.90N	103-40.65W	g	PHNX02MV
1102	030892	0	DRRO		Dredge-093	2960M	HIG	11-22.67N	103-41.37W	g	PHNX02MV
1329	030892	0	DRRO		Dredge-094	2863M	HIG	11-22.14N	103-42.54W	g	PHNX02MV
1548	030892	0	DRRO		Dredge-095	2883M	HIG	11-21.95N	103-43.12W	g	PHNX02MV
1831	030892	0	DRRO	x	Dredge-096	2826M	HIG	11-21.90N	103-44.02W	g	PHNX02MV
2053	030892	0	DRRO		Dredge-097	2848M	HIG	11-21.70N	103-44.49W	g	PHNX02MV
2314	030892	0	DRRO		Dredge-098	2910M	HIG	11-21.67N	103-45.12W	g	PHNX02MV
0131	040892	0	DRRO		Dredge-099	2830M	HIG	11-21.49N	103-45.62W	g	PHNX02MV
0403	040892	0	DRRO		Dredge-100	2623M	HIG	11-21.44N	103-45.79W	g	PHNX02MV
0633	040892	0	DRRO		Dredge-101	2505M	HIG	11-21.42N	103-46.23W	g	PHNX02MV
0849	040892	0	DRRO		Dredge-102	2625M	HIG	11-21.45N	103-46.67W	g	PHNX02MV
1111	040892	0	DRRO		Dredge-103	2570M	HIG	11-22.06N	103-46.82W	g	PHNX02MV
1310	040892	0	DRRO		Dredge-104	2545M	HIG	11-20.66N	103-46.62W	g	PHNX02MV
1520	040892	0	DRRO		Dredge-105	2652M	HIG	11-21.24N	103-47.27W	g	PHNX02MV
2217	040892	0	DRRO		Dredge-106	2534M	HIG	11-22.66N	103-47.09W	g	PHNX02MV
0026	050892	0	DRRO		Dredge-107	2554M	HIG	11-19.61N	103-46.50W	g	PHNX02MV
0233	050892	0	DRRO		Dredge-108	2724M	HIG	11-20.54N	103-47.65W	g	PHNX02MV
1702	060892	0	DRRO		Dredge-109	2796M	HIG	11-21.12N	103-47.96W	g	PHNX02MV
2017	060892	0	DRRO		Dredge-110	2810M	HIG	11-21.09N	103-48.85W	g	PHNX02MV
2319	060892	0	DRRO		Dredge-111	2851M	HIG	11-20.92N	103-49.31W	g	PHNX02MV
0311	070892	0	DRRO		Dredge-112	2929M	HIG	11-20.73N	103-49.93W	g	PHNX02MV
0105	080892	0	DRRO		Dredge-113	2885M	HIG	11-20.38N	103-50.97W	g	PHNX02MV
0532	080892	0	DRRO		Dredge-114	2951M	HIG	11-20.61N	103-52.21W	g	PHNX02MV
0922	080892	0	DRRO		Dredge-115	3014M	HIG	11-20.05N	103-53.27W	g	PHNX02MV
1257	080892	0	DRRO		Dredge-116	2864M	HIG	11-19.90N	103-54.61W	g	PHNX02MV
1706	080892	0	DRRO		Dredge-117	2978M	HIG	11-19.54N	103-55.26W	g	PHNX02MV
2307	080892	0	DRRO		Dredge-118	2958M	HIG	11-18.92N	103-56.90W	g	PHNX02MV
0442	090892	0	DRRO		Dredge-119	3006M	HIG	11-19.05N	103-58.29W	g	PHNX02MV
0837	090892	0	DRRO		Dredge-120	3064M	HIG	11-18.50N	103-59.35W	g	PHNX02MV
1129	090892	0	DRRO		Dredge-121	2993M	HIG	11-18.77N	104-00.65W	g	PHNX02MV
1614	090892	0	DRRO		Dredge-122	3057M	HIG	11-18.67N	104-01.71W	g	PHNX02MV
2051	090892	0	DRRO		Dredge-123	3100M	HIG	11-17.82N	104-06.61W	g	PHNX02MV
0106	100892	0	DRRO		Dredge-124	3128M	HIG	11-17.57N	104-08.91W	g	PHNX02MV
0444	100892	0	DRRO		Dredge-125	2398M	HIG	11-15.78N	104-10.32W	g	PHNX02MV
0812	100892	0	DRRO		Dredge-126	2747M	HIG	11-17.07N	104-10.12W	g	PHNX02MV
#					End sample index						PHNX02MV