

**INFORMAL REPORT AND INDEX OF
NAVIGATION, DEPTH, MAGNETIC AND SUBBOTTOM PROFILER DATA**

DRILL EXPEDITION

LEG 2

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R/V Thomas Washington

(Issued November 1990)

Astoria, Oregon (4 September 1990)
to
San Diego, California (8 September 1990)

Chief Scientist:

Kenneth Brink (Woods Hole Oceanographic Institute)

Resident Marine Technician - Seth Mogk

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 OCE90-00048

NOTE: This is an index of underway geophysical data edited
and processed after the completion of the cruise leg and is
intended primarily for informal use within the institution.
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Geological Data Center, Scripps Institution of Oceanography,
La Jolla, California 92093.

GDC Cruise I.D. # 248

INFORMAL REPORT AND INDEX OF NAVIGATION
AND UNDERWAY GEOPHYSICAL DATA

Processed by the Geological Data Center
Scripps Institution of Oceanography

Contents:

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- 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 having subbottom profiles (airgun or watergun) records have a wide black line along the bottom of the profile. Sections having Sea Beam are indicated by a narrow black line.
- Sample Index - list of beginning and 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. Phone (619)534-2752.

1. Navigation listing with times and positions of course and speed changes, fixes and drift velocity.
2. Depth compilation plots - compilation plots at the traditional scale of 4in/degree longitude (1:1,000,000) are no longer produced for Sea Beam cruises. Custom plots may be requested of vertical beam (2 $\frac{2}{3}$ degree beam width) depths retrieved at one minute intervals of ship time.
3. Plots of depths, magnetics or gravity profiles along track - custom plots at various map and profile scales on Mercator projection may be requested.
4. Separate time series files of navigation, depth, gravity and magnetics as well as these data merged in the MGD77 Exchange format on magnetic tape.
5. Microfilm or Xerox copies of:
 - a. Echosounder records - 12 and 3.5 kHz frequency
 - b. Subbottom profiler records
 - c. Magnetometer records
 - d. Underway data log book

Revised September 1987

DRILO2WT Processing Notes

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No SCG Computer Technician was on board this leg; therefore, no computer logging of data.

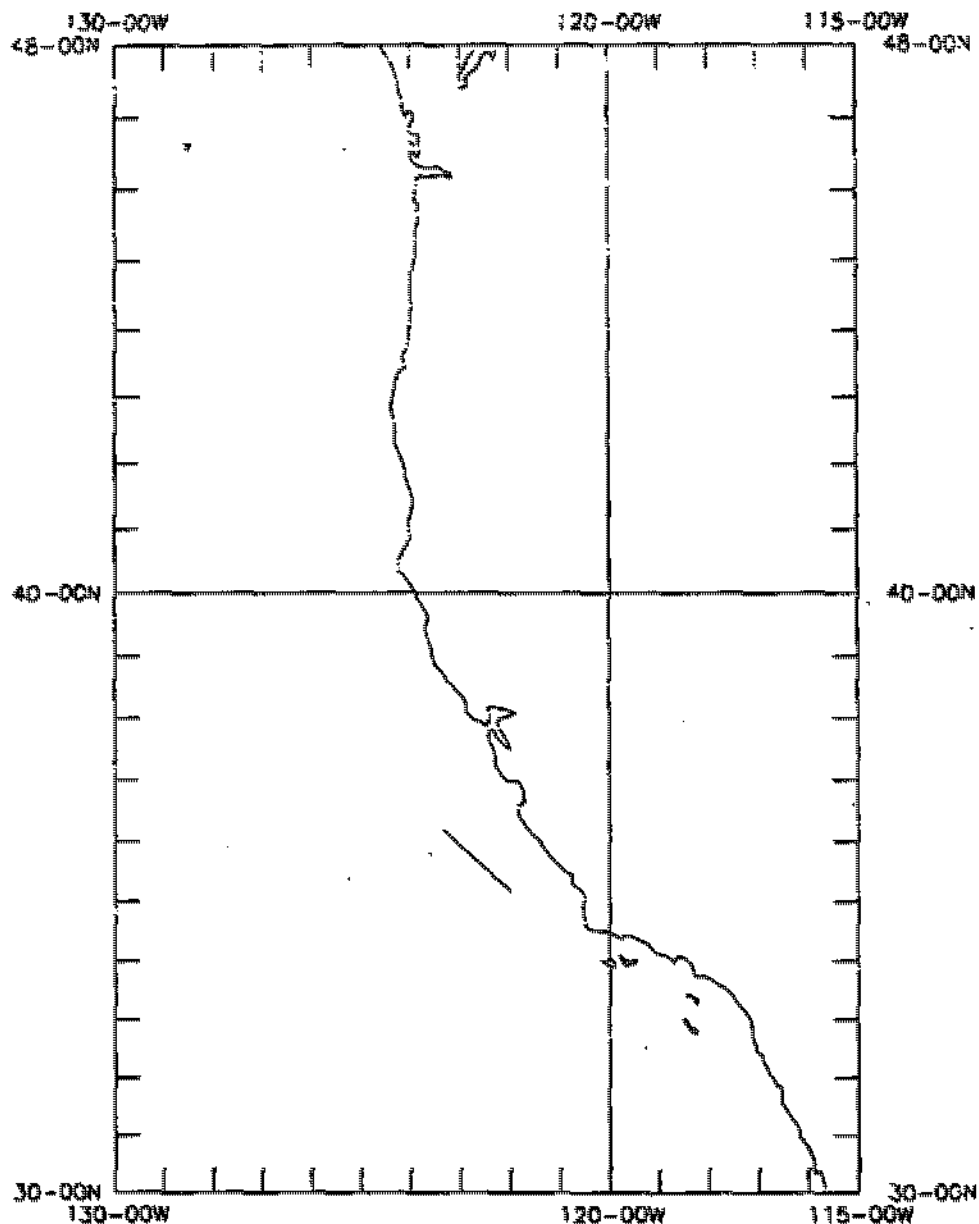
Navigation: points for about 8 hours (90 miles) were hand picked from bridge navigation plots by Andra Bobbitt (SIO/MPL) for a project of Peter Lonsdale's.

Magnetics: points for about 8 hours (90 miles) were hand picked from magnetometer record by Andra Bobbitt (SIO/MPL).

Depth: No Sea Beam collected on this leg. 3.5kHz depth recorder was operated for about 8 hours but no depths have been digitized from this record.

Gravity: No data: Bell BGM meter was not on board during this leg.

S.M.Smith (SIO/GDC)
7 January 1991



DRILL EXPEDITION LEG 2

CHIEF SCIENTIST:

Kenneth Brink (Woods Hole Oceanographic Institute)

PORTS: Astoria, Oregon - San Diego, California

DATES: 4 - 8 September 1990

SHIP: R/V T. Washington

TOTAL MILEAGE OF UNDERWAY DATA COLLECTED

- 1) Cruise - 89 miles processed
- 2) Bathymetry - not processed
- 3) Magnetics - not processed
- 4) Seismic Reflection - none collected
- 5) Gravity - none collected
- 6) Sea Beam - none collected

****PORTS****

2030 040990	LGPT B ASTORIA,OR	46-12 N 123-50 W	FDRIL02WT
1315 080990	LGPT E SAN DIEGO,CA	32-42 N 117-11 W	FDRIL02WT

****PERSONNEL****

	NAME	***TITLE***	***AFFILIATION***	**CRID**
PECT WHO	BRINK,K.	CHIEF SCIENTIST	WOODS HOLE	DRIL02WT
PERS STS	MOCK,S	RESIDENT TECH	SCRIPPS INSTITUTION	DRIL02WT

****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	SAMP	SAMPLE	DISP			CRUISE
TIME	DATE	TIME	Z	CODE	IDENTIFIER	CODE	LAT.	LONG.	LEG-SHIP

****UNDERWAY DATA CURATOR - S. M. SMITH EXT. 42752

**** ECHO SOUNDER RECORDS ****

0024 070990	DPR3 B 3.5 KHZ R-01	GDC 36-101N 123-223W	#DRIL02WT
0820 070990	DPR3 E 3.5 KHZ R-01	GDC 35-100N 122-000W	#DRIL02WT

**** MAGNETIC (EARTH TOTAL FIELD) RECORDS ****

2030 040990	MGRA B MAGNETICS R-01	GDC 36-101N 123-223W	#DRIL02WT
0825 070990	MGRA E MAGNETICS R-01	GDC 35-100N 122-000W	#DRIL02WT

**** END SAMPLE INDEX