

REPORT AND INDEX OF  
UNDERWAY MARINE GEOPHYSICAL DATA

WESTWARD EXPEDITION

LEG 10

(WEST10MV)

R/V MELVILLE

(Issued May 1995)

**Ports:**

Fremantle, Australia (29 January 1995)  
to  
Hobart, Tasmania (13 March 1995)

**Chief Scientist:**

David Christie - Oregon State University

Computer Technician - James Charters

SeaBeam Operator - Uta Albright

Resident Marine Technician - Gene Pillard

Post-Cruise Processing and Report Preparation by the  
Geological Data Center, Scripps Institution of Oceanography  
La Jolla, California 92093-0223

Data Collection and Processing Funded by:  
NSF OCE94-00707

**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. This document is not to be reproduced or  
distributed outside Scripps without prior approval of the chief scientist or  
the Geological Data Center, Scripps Institution of Oceanography, La Jolla,  
California 92093-0223

GDC Cruise I.D.# 266

**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 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 samples and measurements from other disciplines if 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, California 92093-0223.

Phone: (619)534-2752, FAX: (619)534-5306, Internet email: [ssmith@ucsd.edu](mailto:ssmith@ucsd.edu)

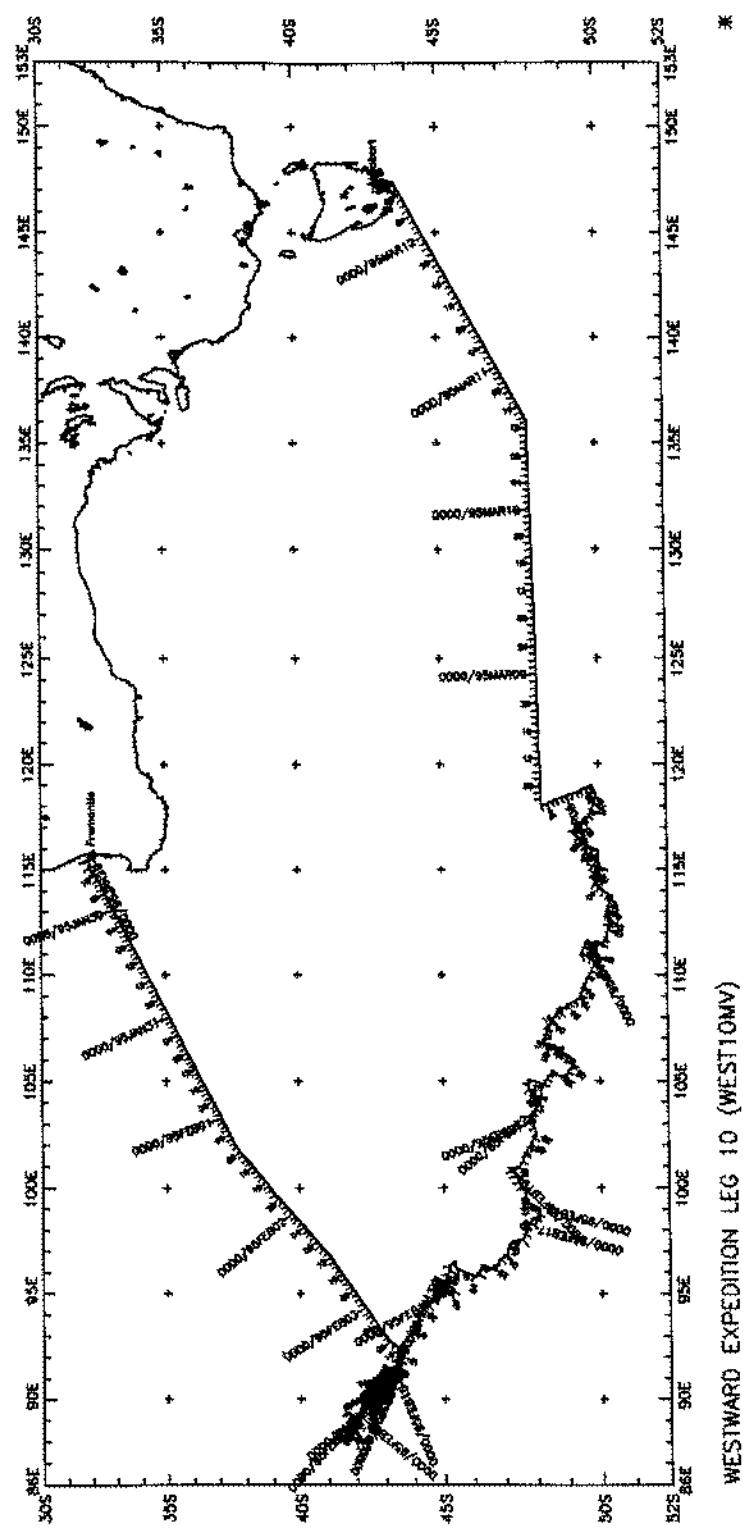
1. Files on Exabyte, DAT or 1/2 inch magnetic tape:
  - a) Separate time series ASCII files of navigation, single beam depth, gravity and magnetics.
  - b) These same data in a merged ASCII file in the MGD77 Exchange Format.
  - c) SeaBeam depth data (binary, Sun byte order) in SIO Swath Bathymetry Format (not available on 1/2" tape).
  - d) SeaBeam Sidescan data (not available on 1/2" tape).
2. Microfilm (35 mm flowfilm) or hard 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 track plots.
  - b) Copies of archived SeaBeam contour 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 items are available, subject to the approval of the cruise leg chief scientist:

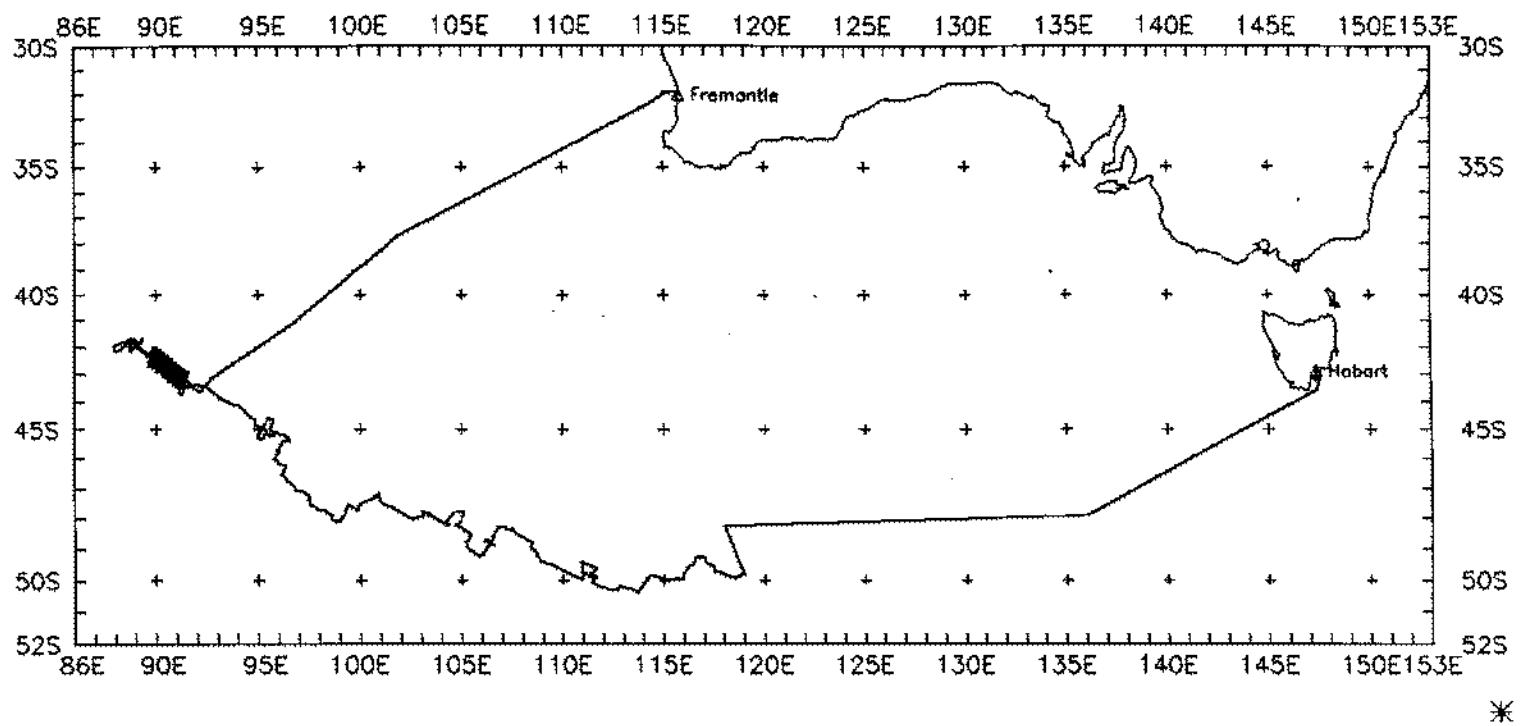
- 1) Hardcopy of realtime contour swath records and records with vertical beam and sidescan grayscale display are available for inspection at the data center.
- 2) Microfilm (35 mm flowfilm) of vertical beam/sidescan records.
- 3) SeaBeam merged tapes - SeaBeam data merged with GPS-based navigation.  
(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 SeaBeam swaths.)
- 4) Archive contour plots - 8 inches/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 SeaBeam 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 1994



WESTWARD EXPEDITION LEG 10 (WEST10MV)

\*



### **WESTWARD EXPEDITION LEG 10**

---

**CHIEF SCIENTIST:** David Christie, Oregon State University

**PORTS:** Fremantle, Australia - Hobart, Tasmania

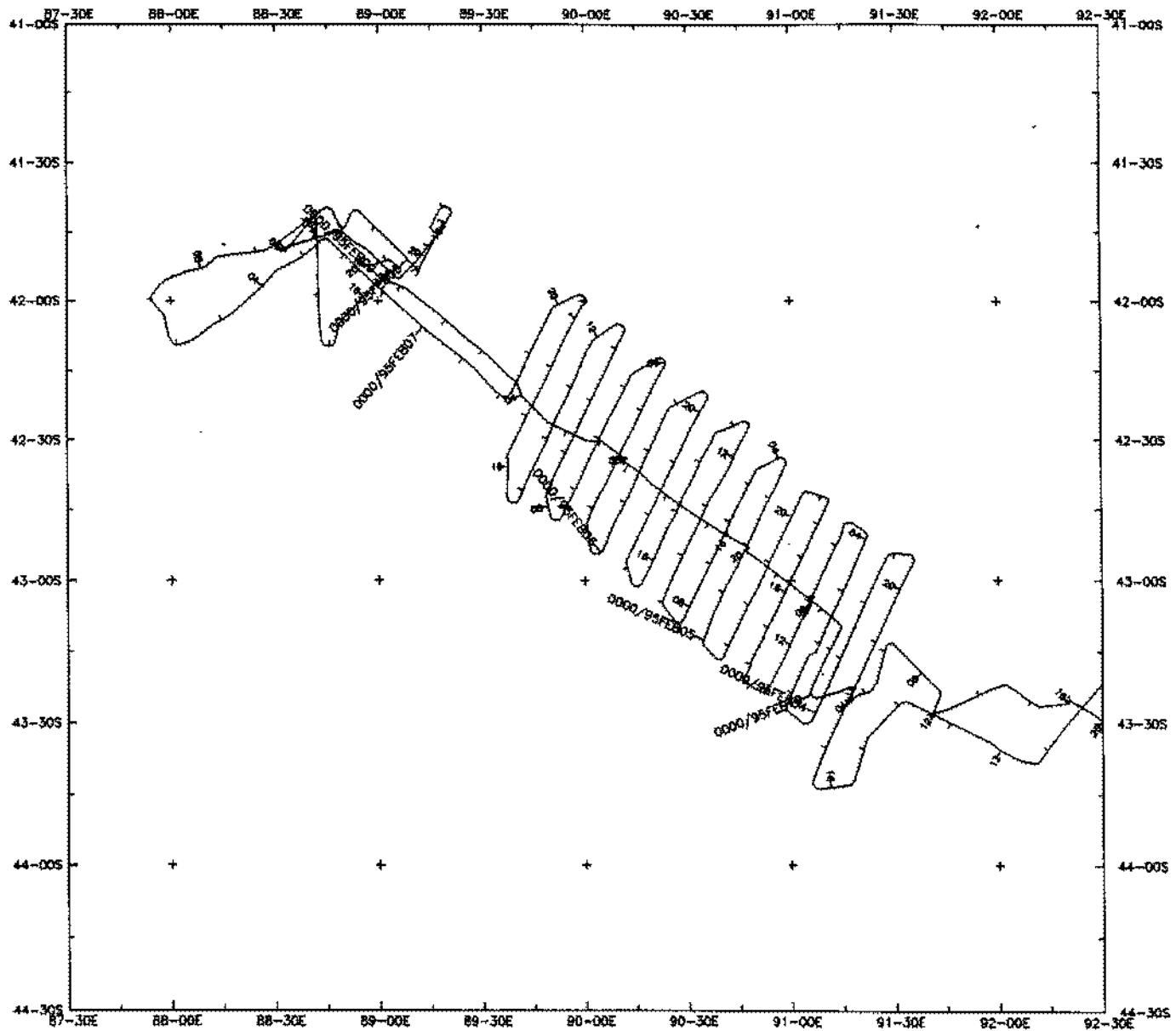
**DATES:** 29 January - 13 March 1995

#### **TOTAL MILEAGE OF UNDERWAY DATA COLLECTED**

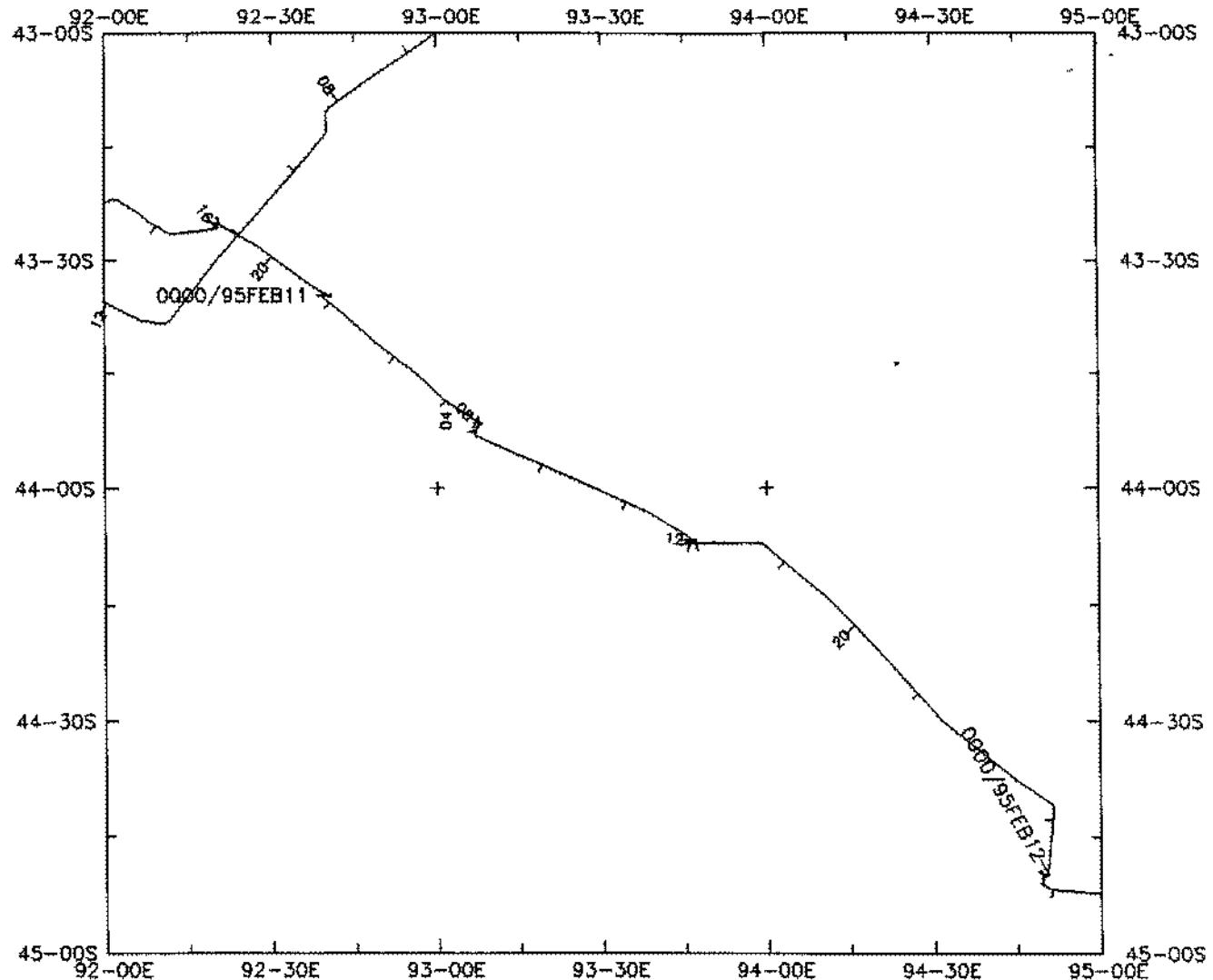
Cruise - 6780 miles                      Magnetics - 3035 miles

Bathymetry - 6390 miles                      Seismic Reflection - none collected

Sea Beam - 6390 miles                      Gravity - 6440 miles

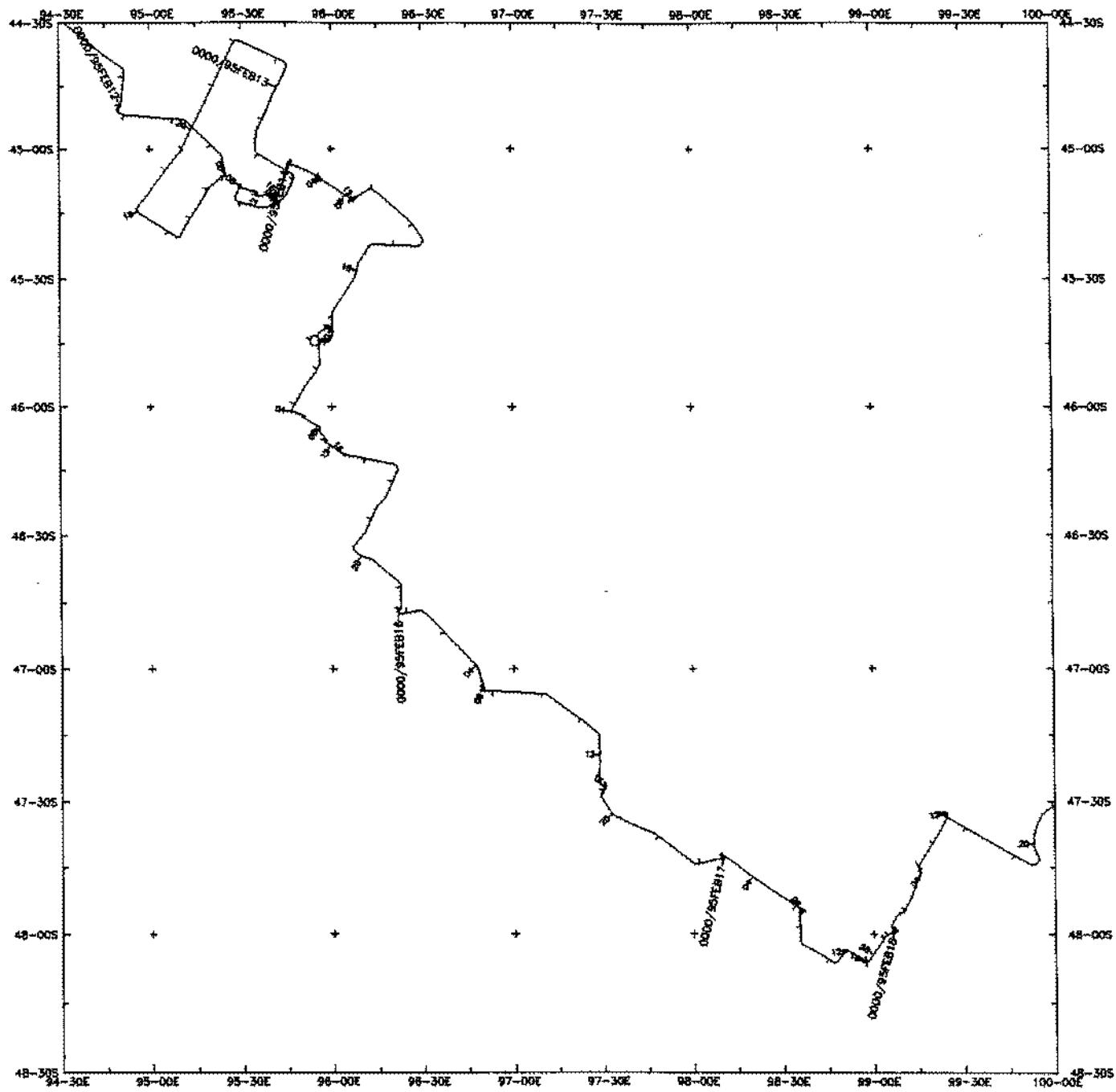


WESTWARD EXPEDITION LEG 10 (WEST10NW) Survey area 1



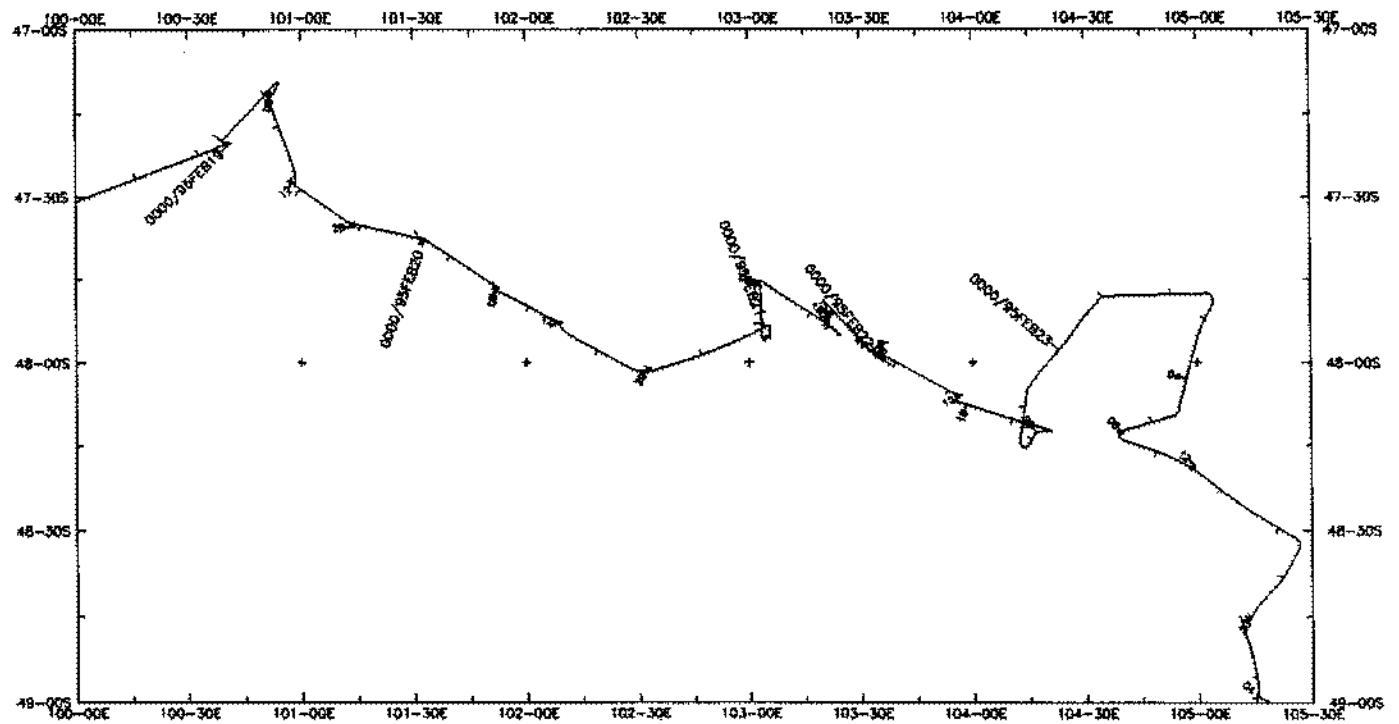
WESTWARD EXPEDITION LEG 10 (WEST10MV) Survey area 2

\*



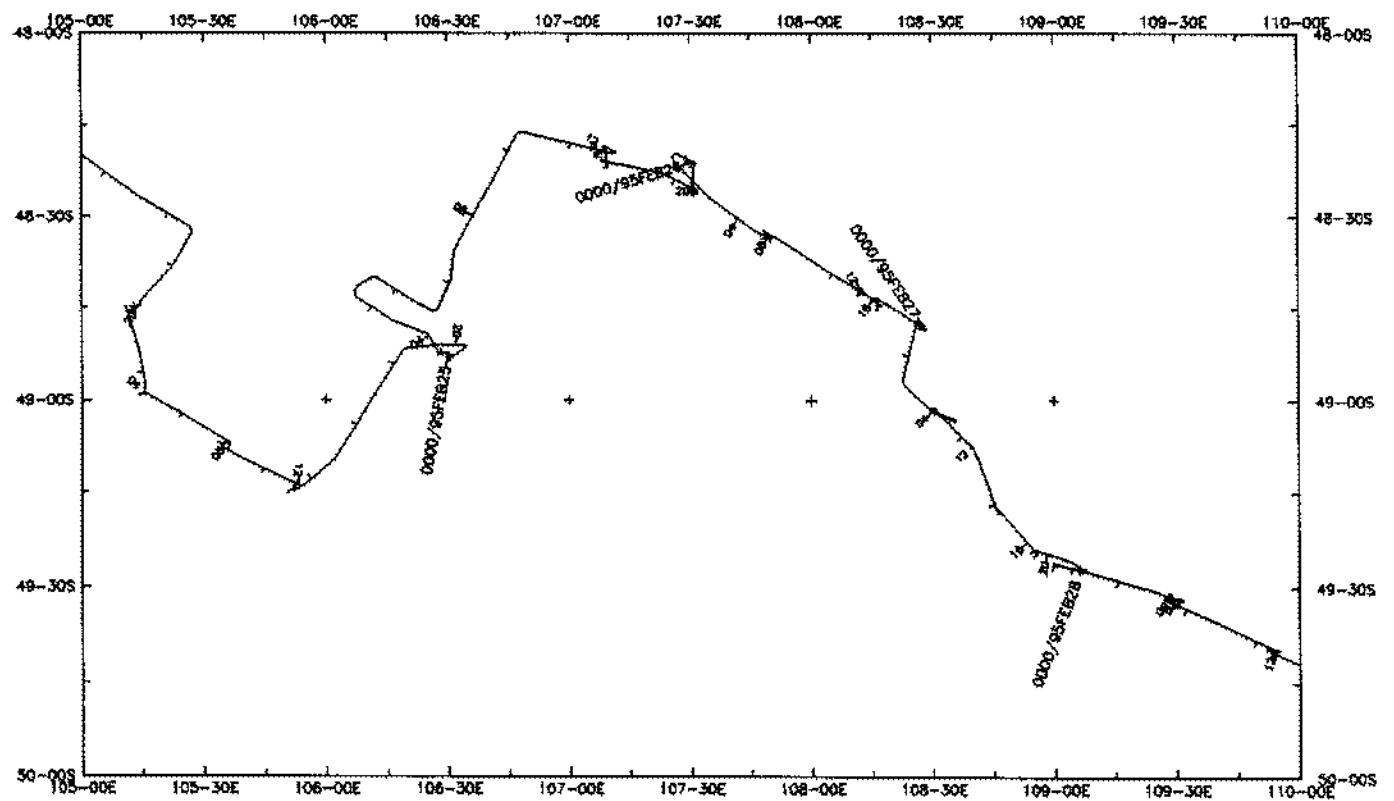
WESTWARD EXPEDITION LEG 10 (WEST10MV) Survey area 3

\*



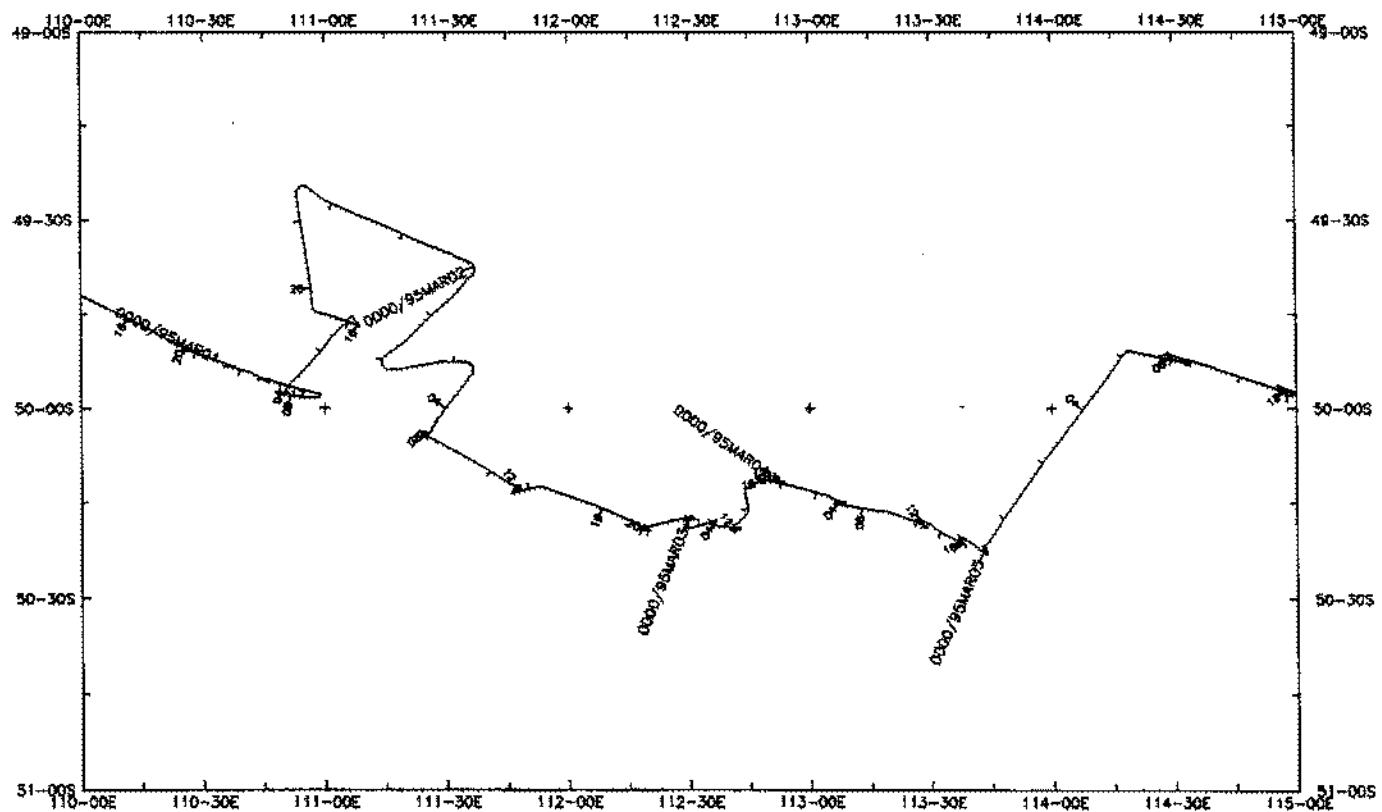
WESTWARD EXPEDITION LEG 10 (WEST10MV) Survey area 4

\*



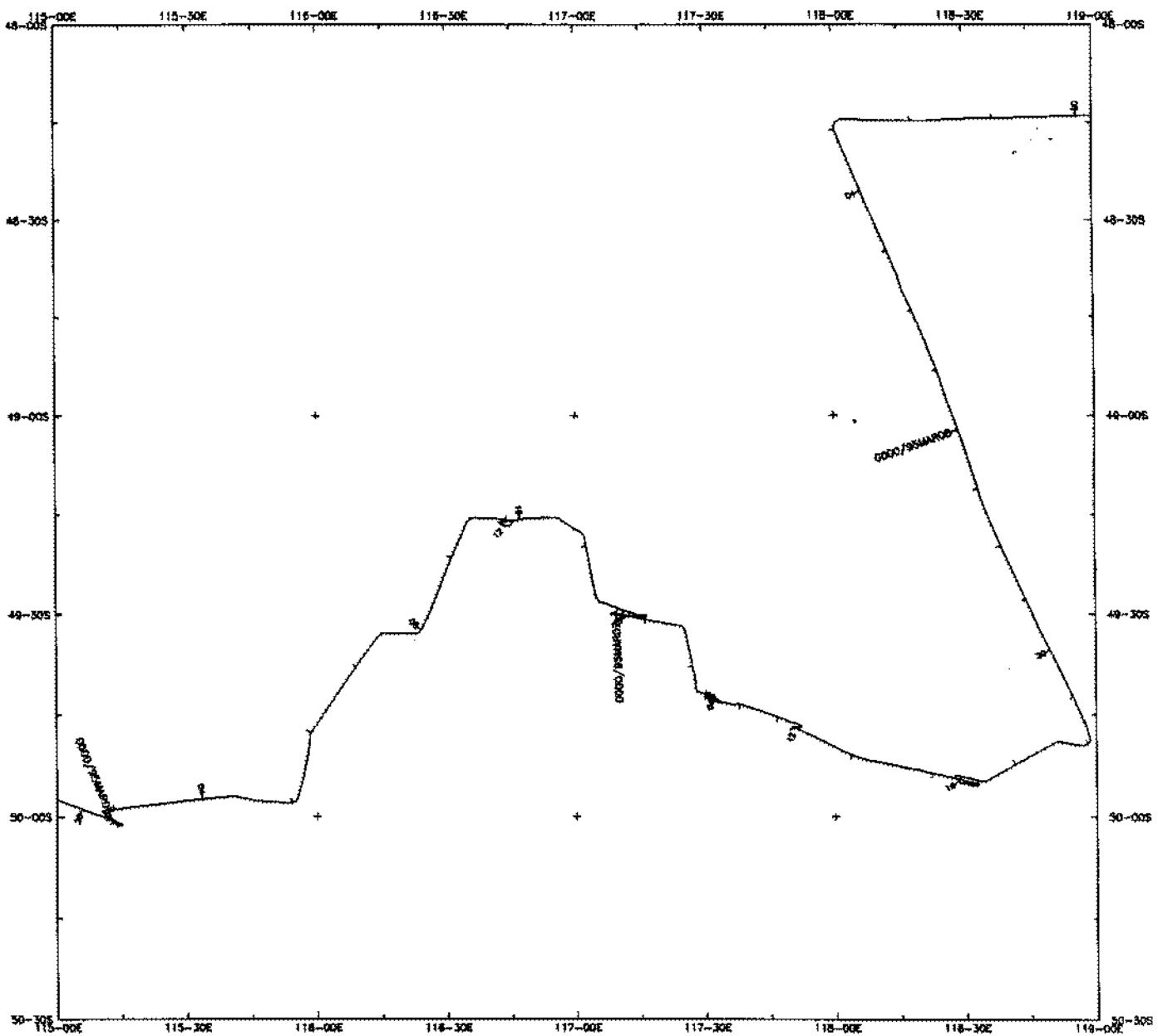
WESTWARD EXPEDITION LEG 10 (WEST10MV) Survey area 5

\*



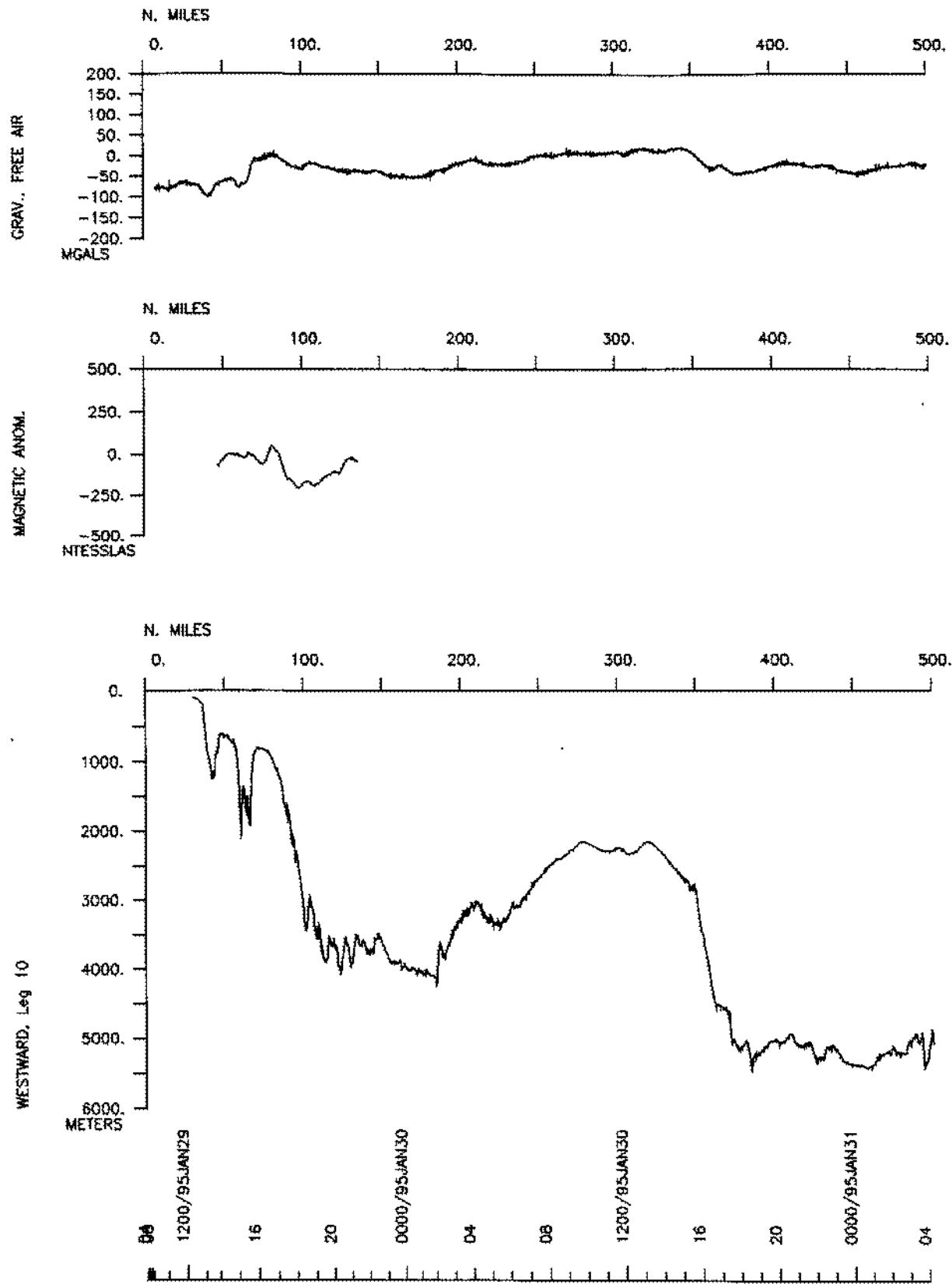
WESTWARD EXPEDITION LEG 10 (WEST10MV) Survey area 6

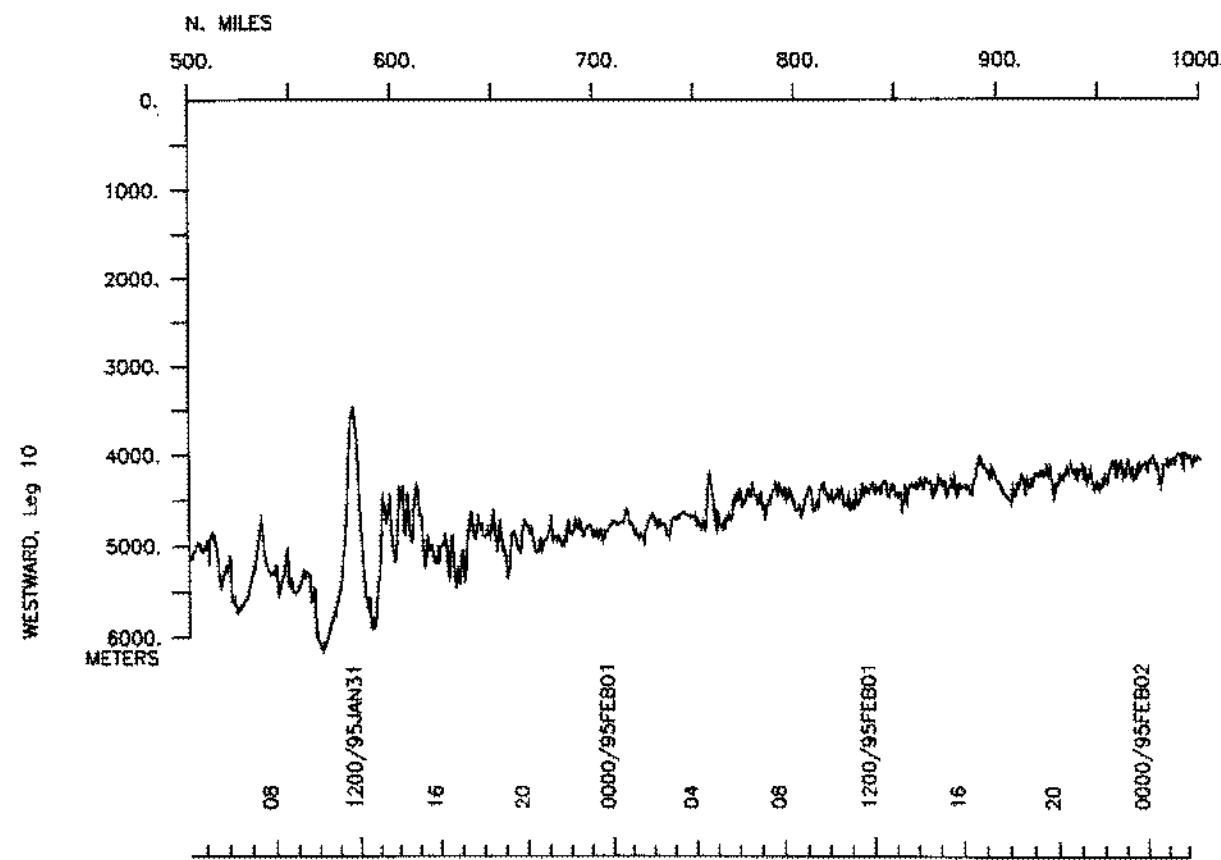
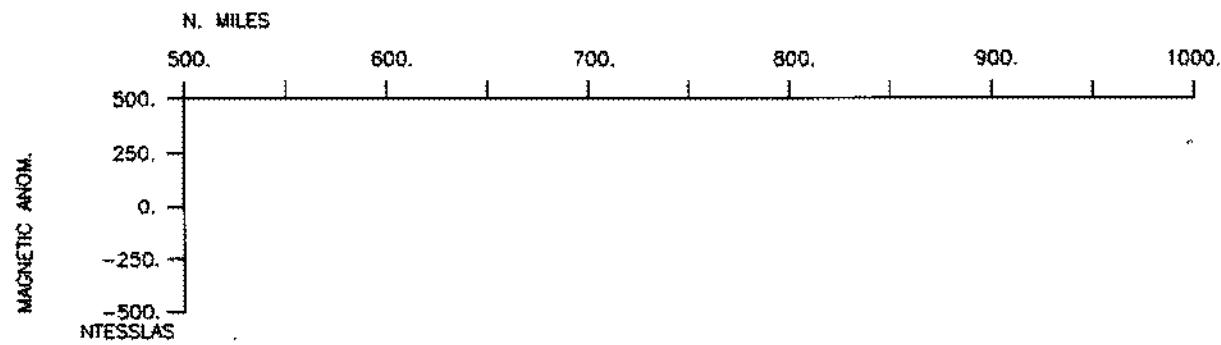
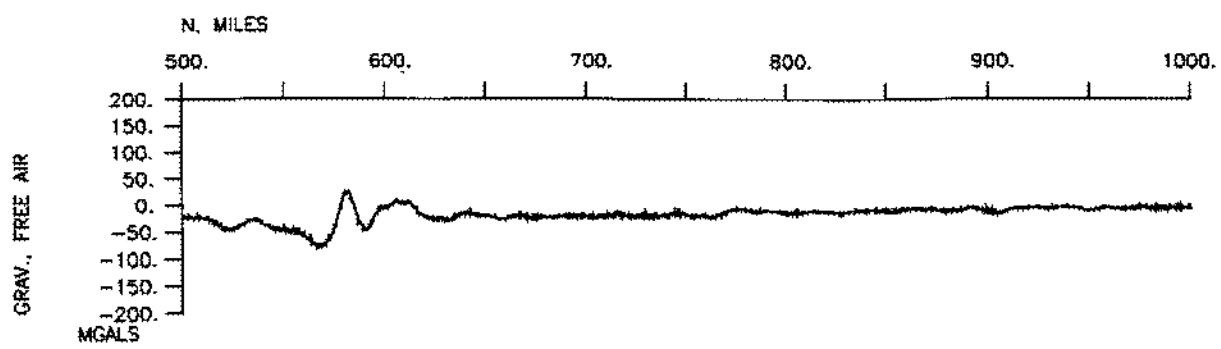
\*

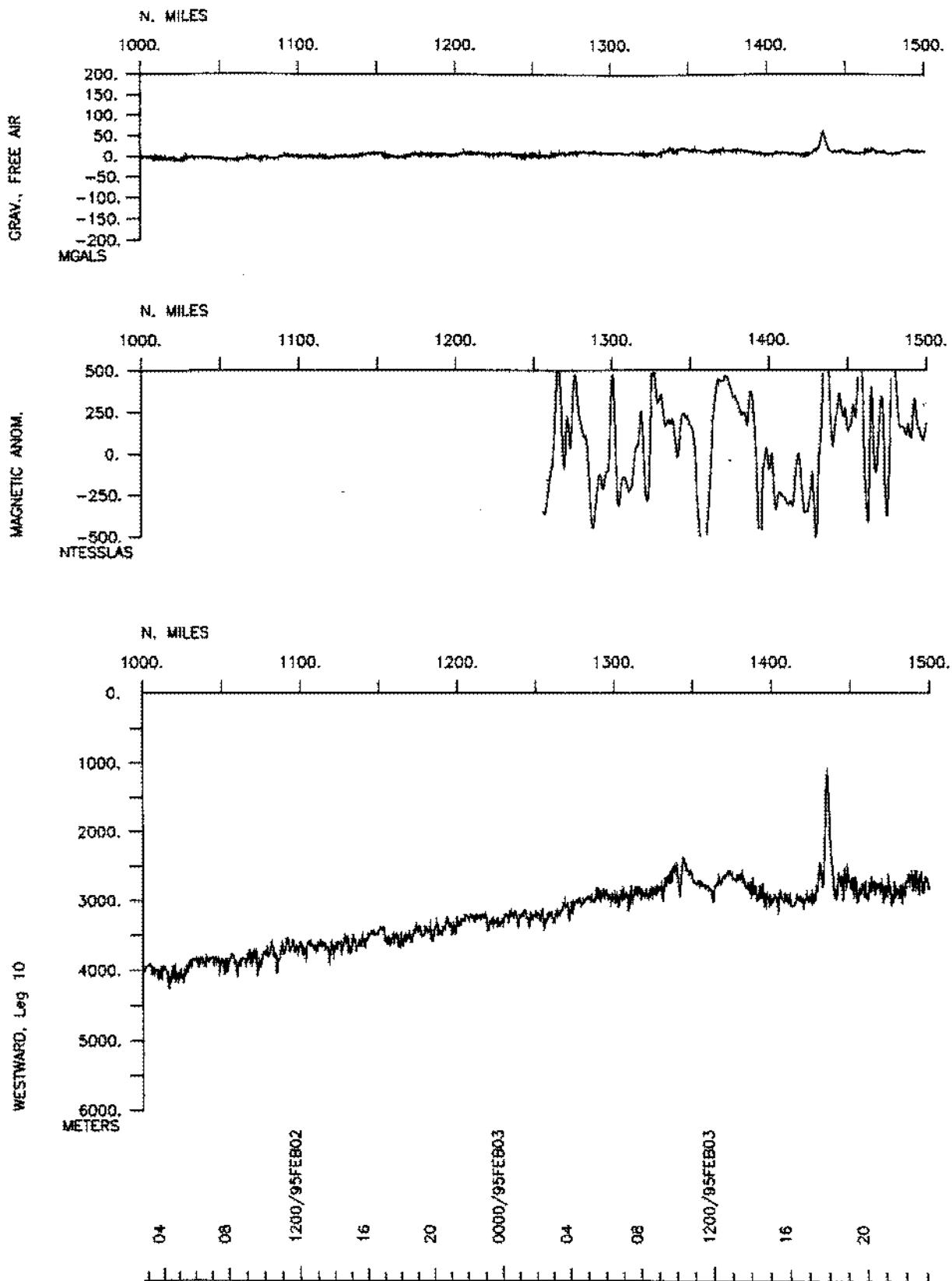


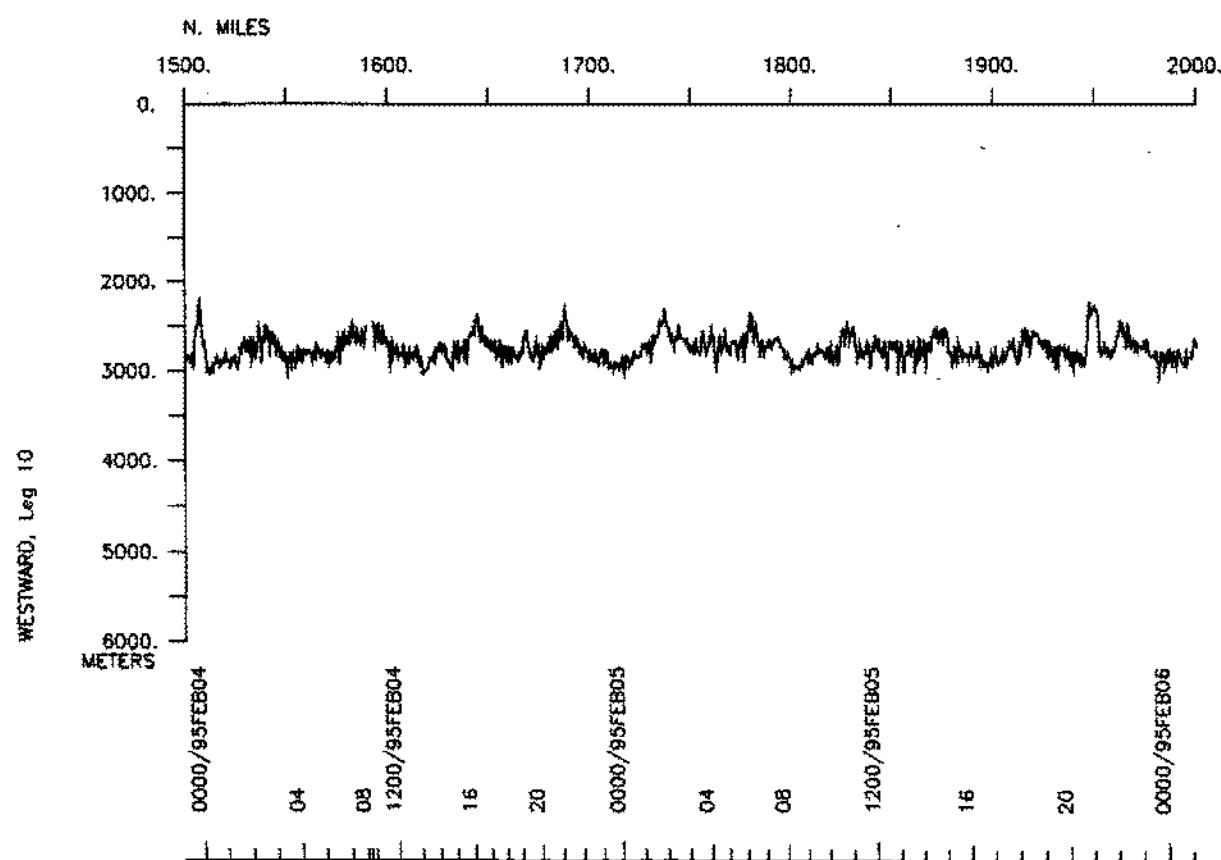
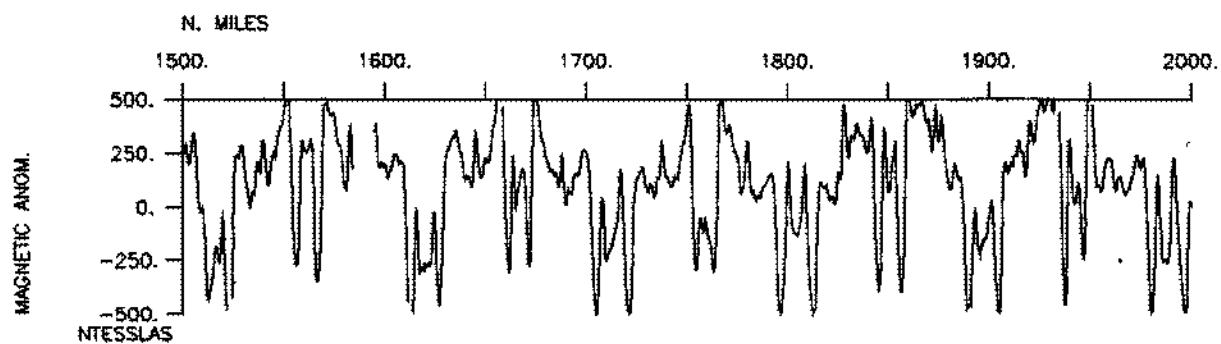
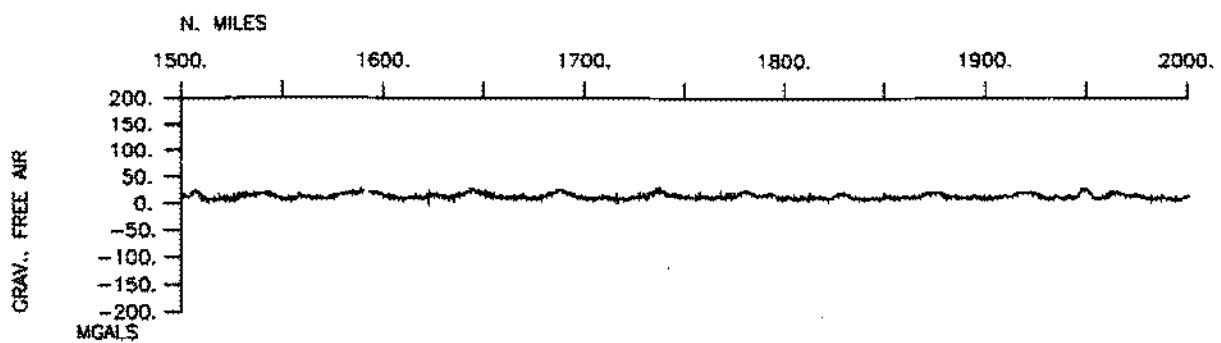
WESTWARD EXPEDITION LEG 10 (WEST10MV) Survey area 7

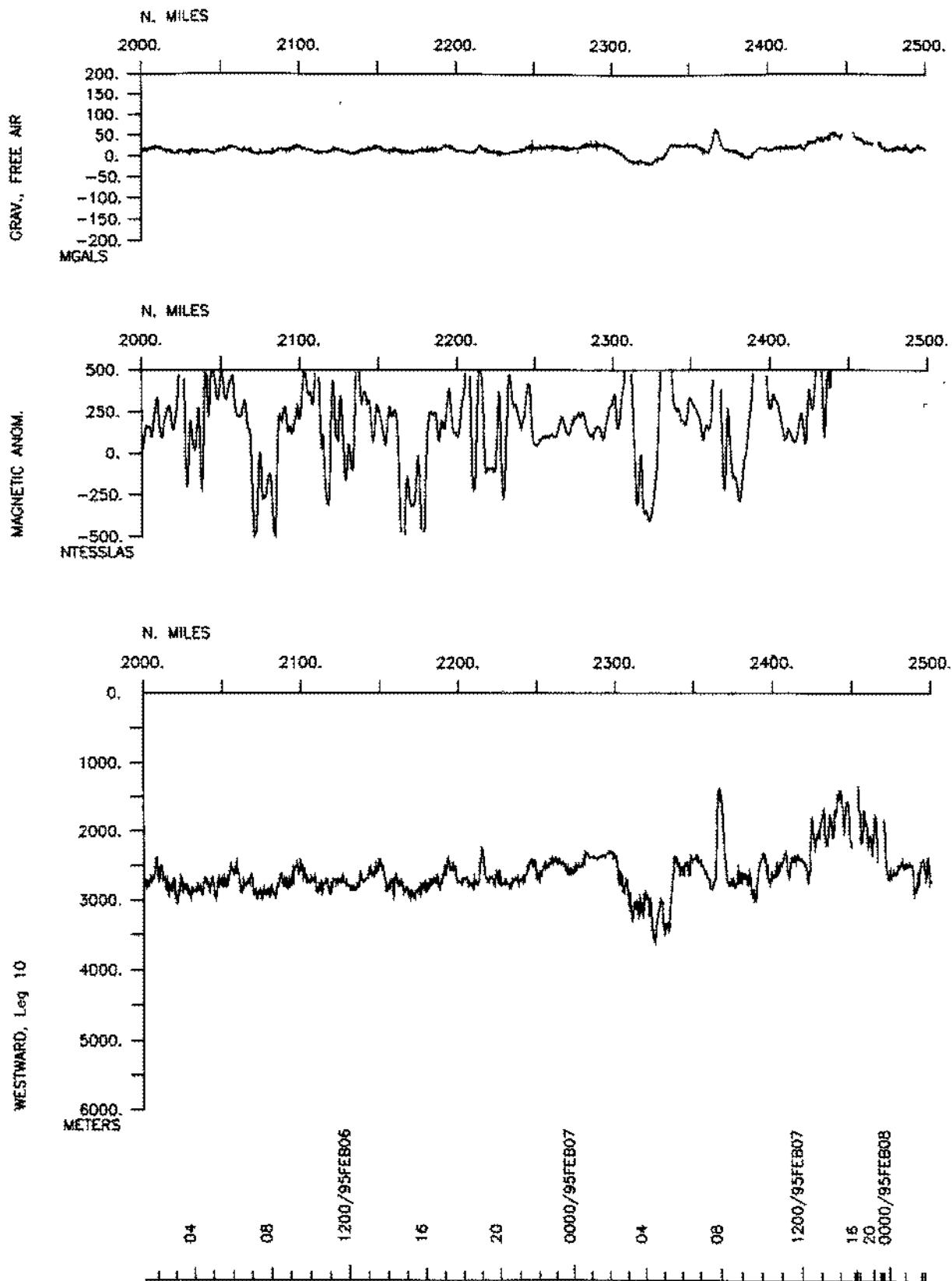
\*

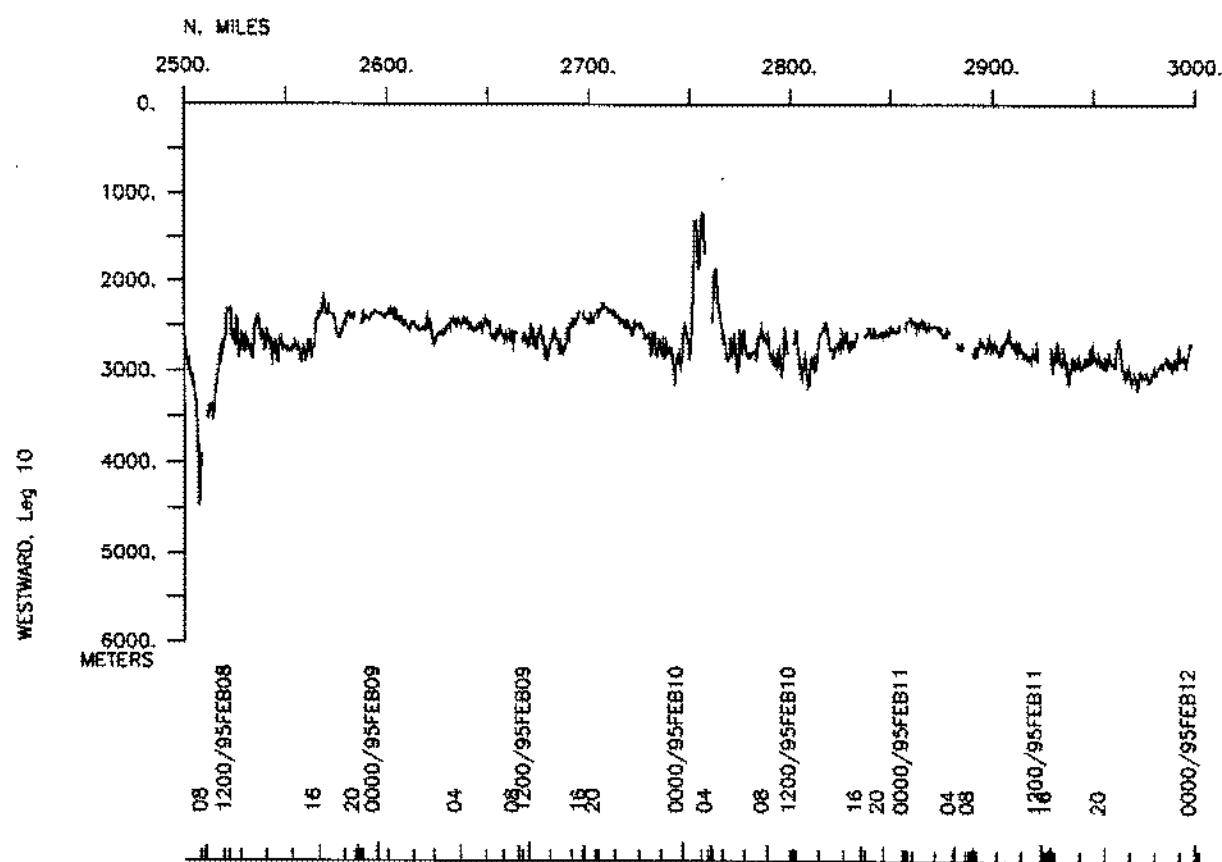
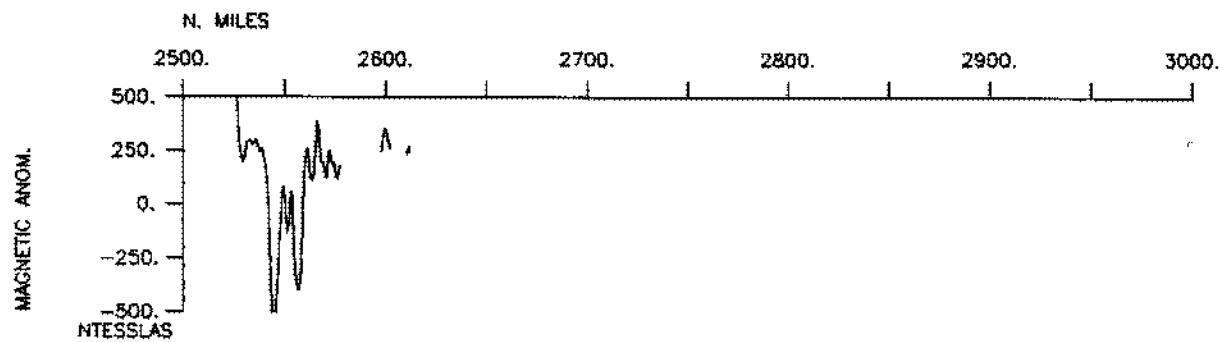


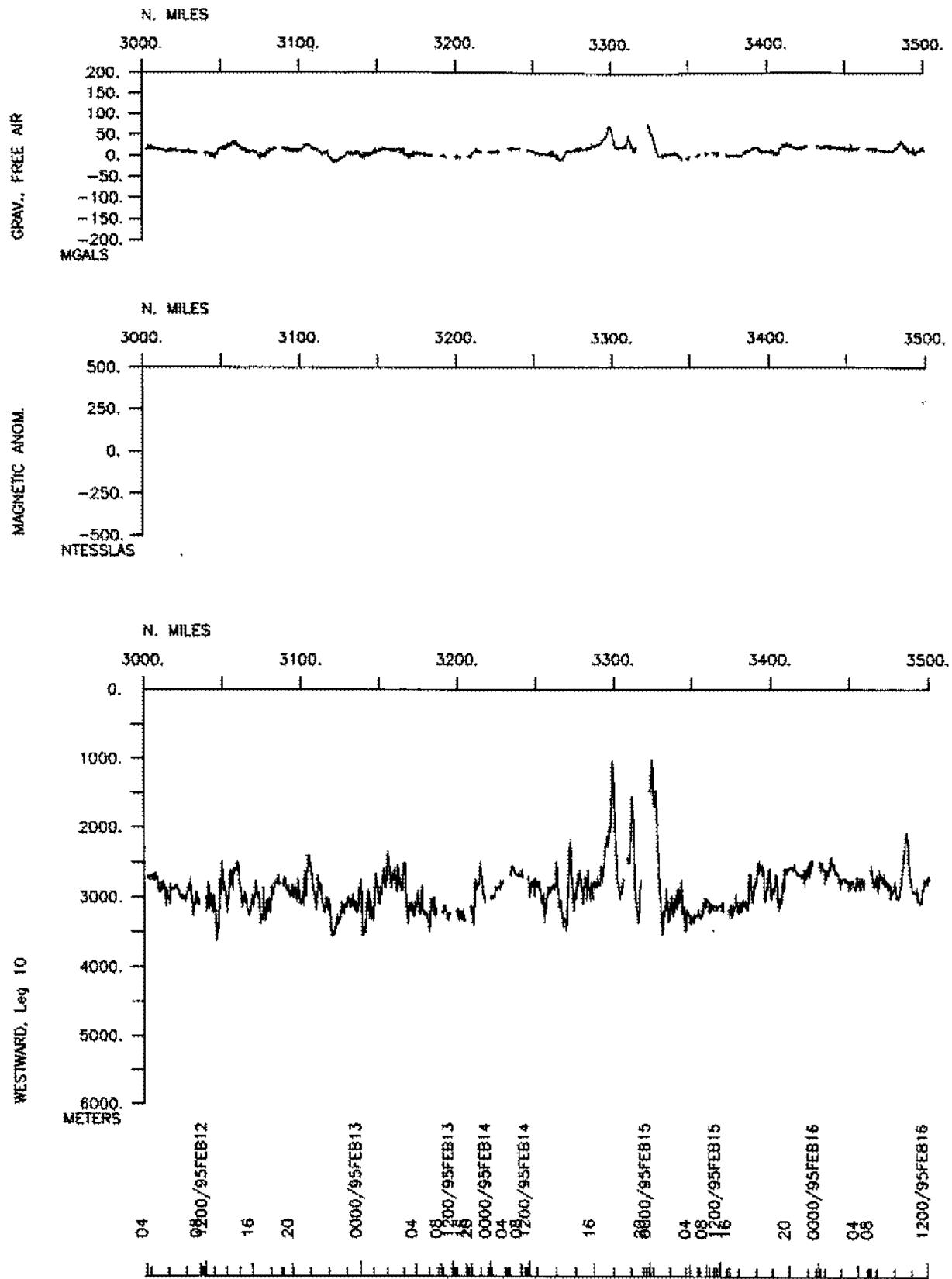


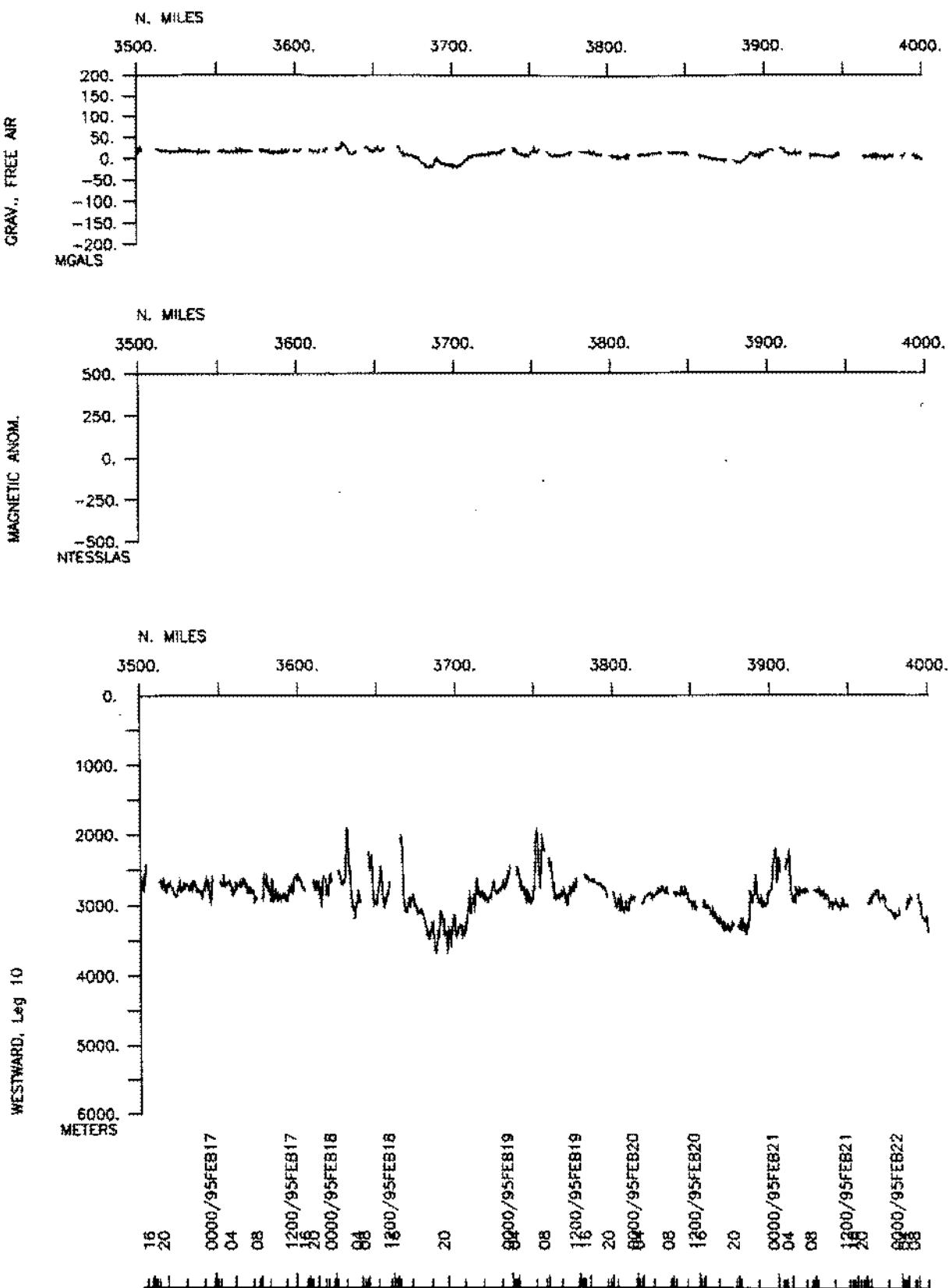


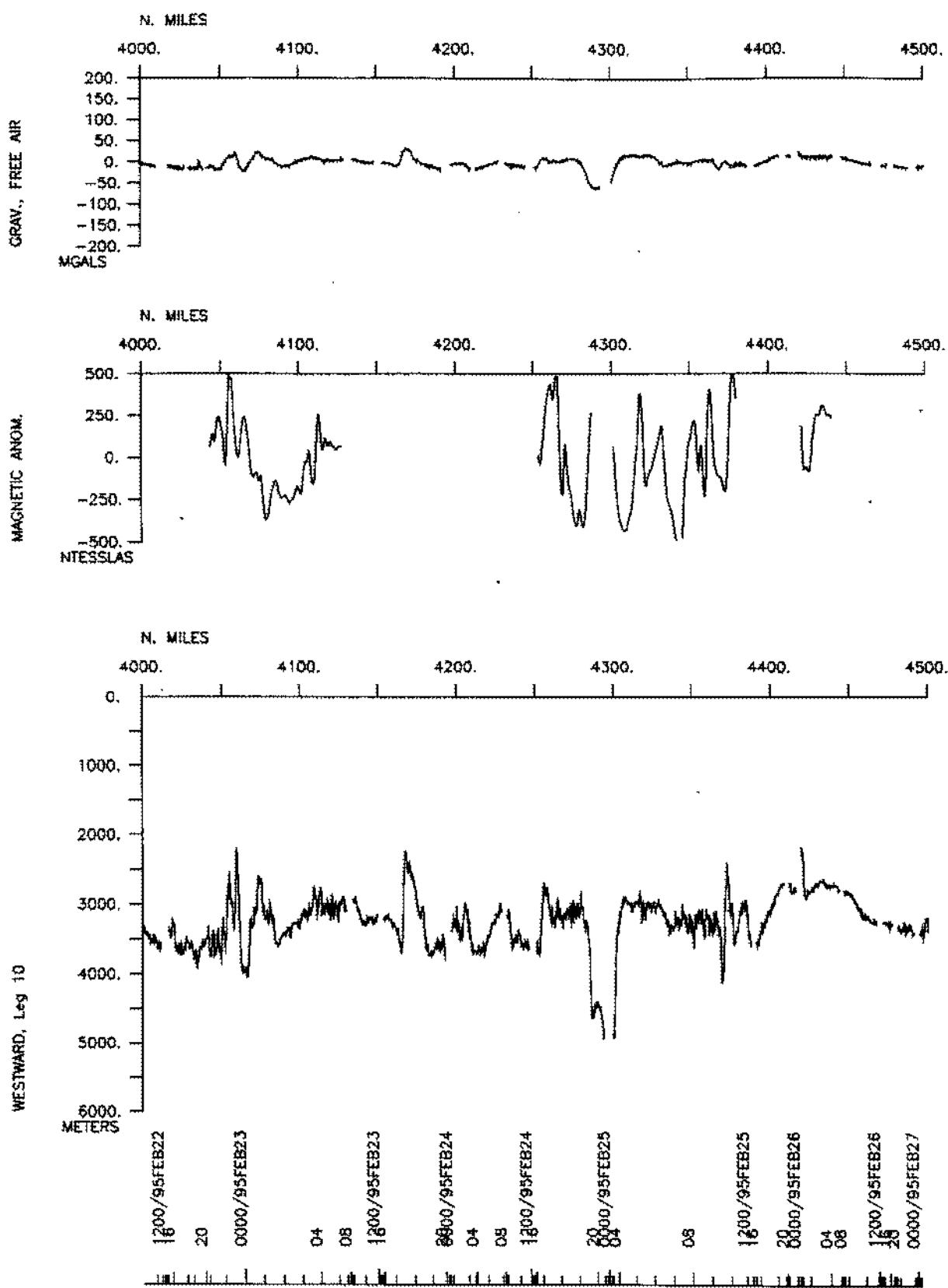


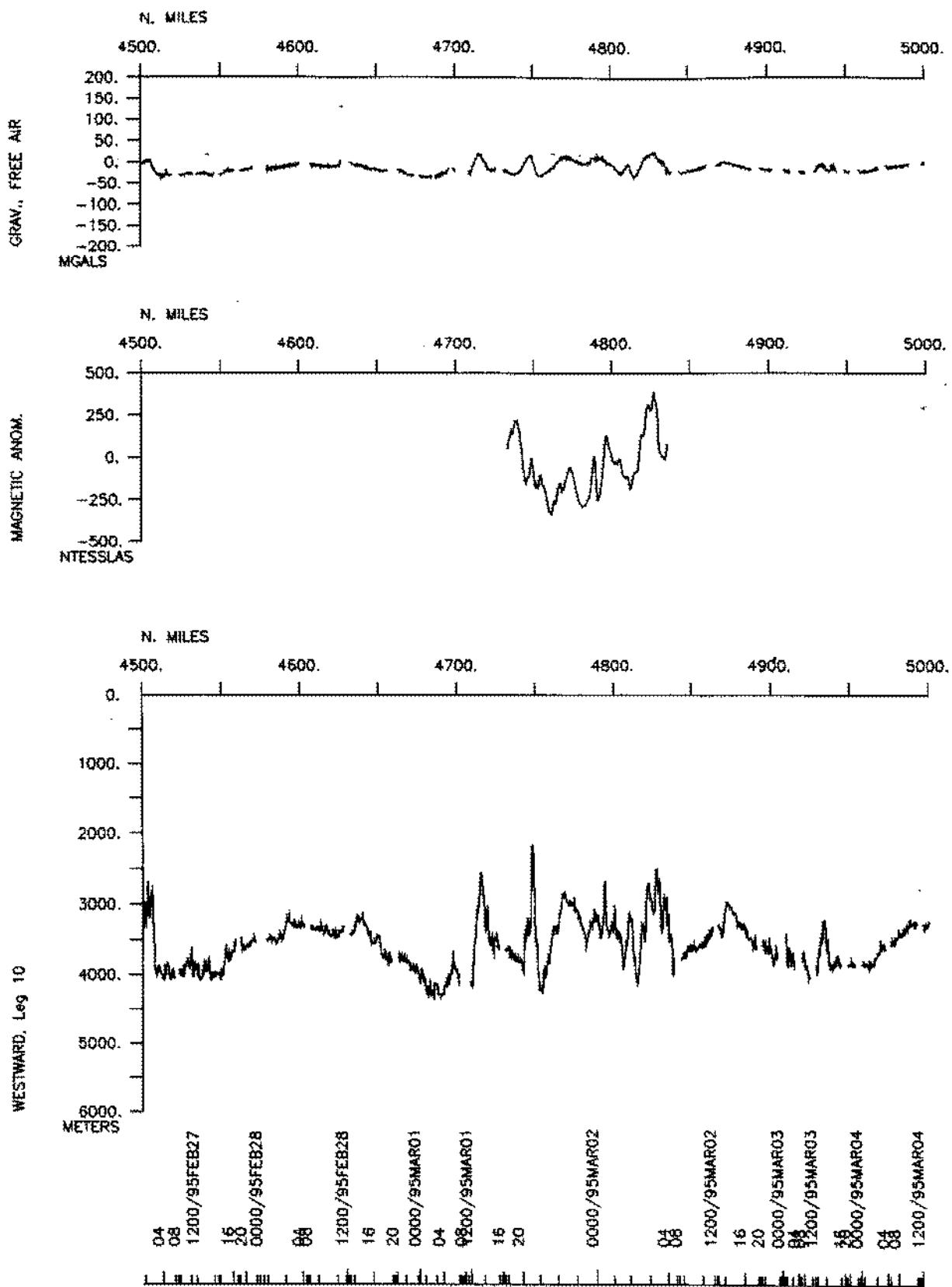


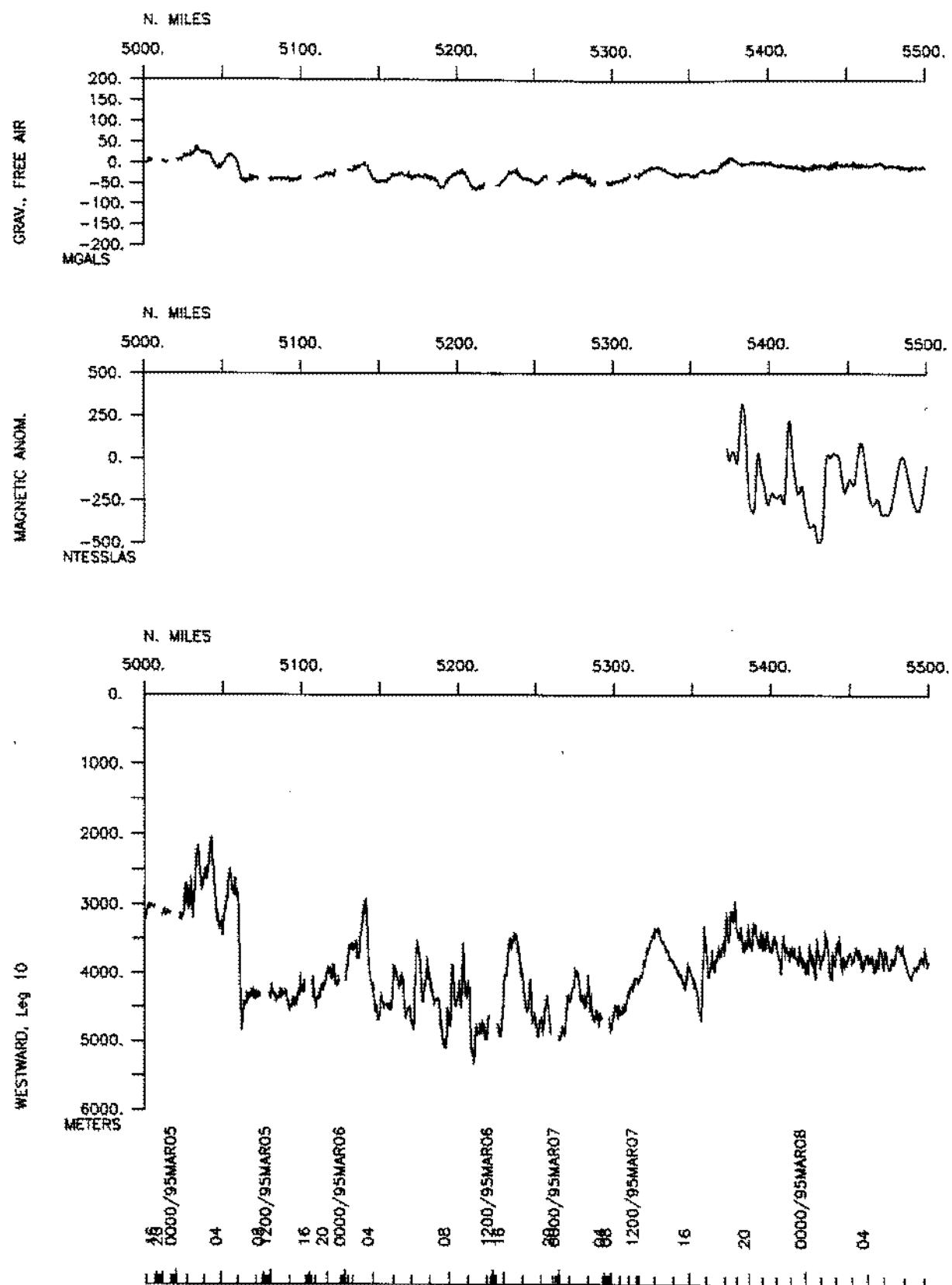


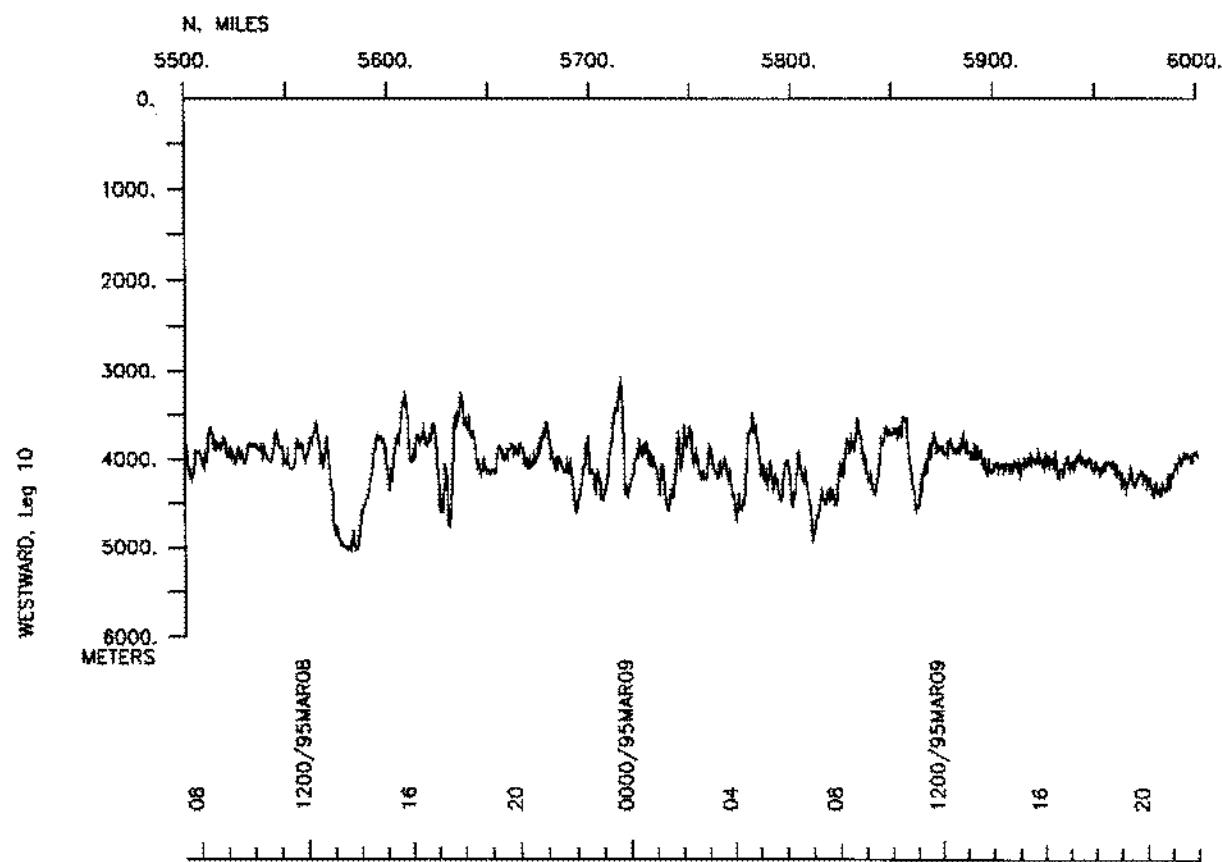
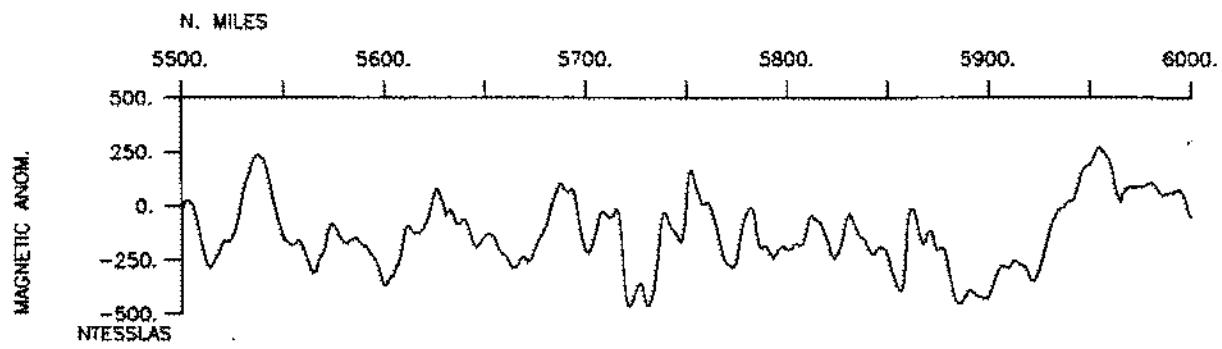
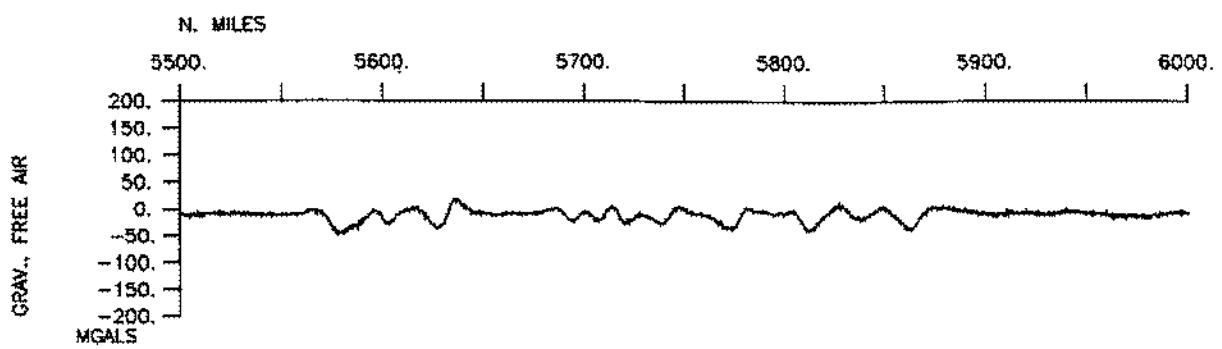


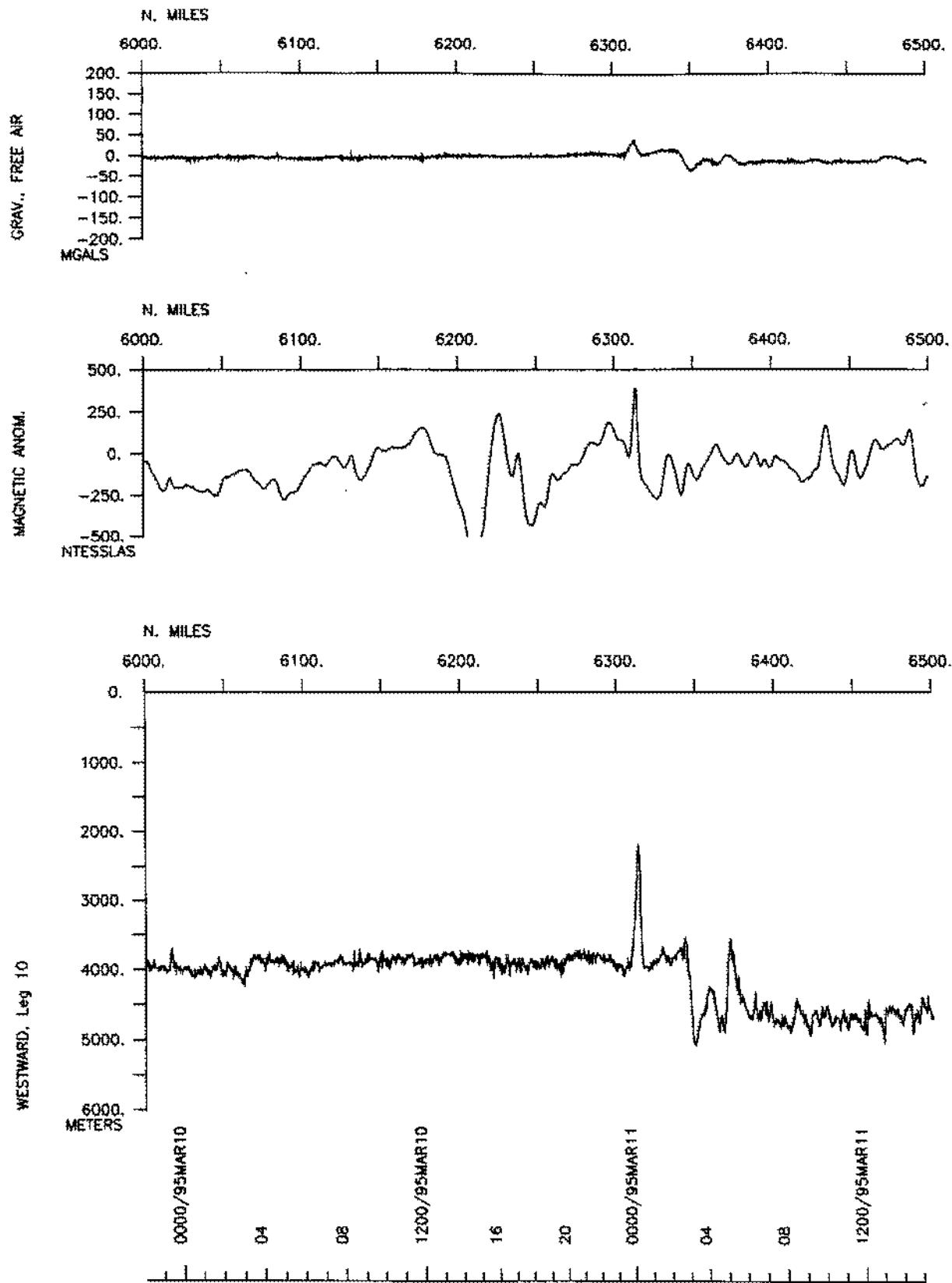


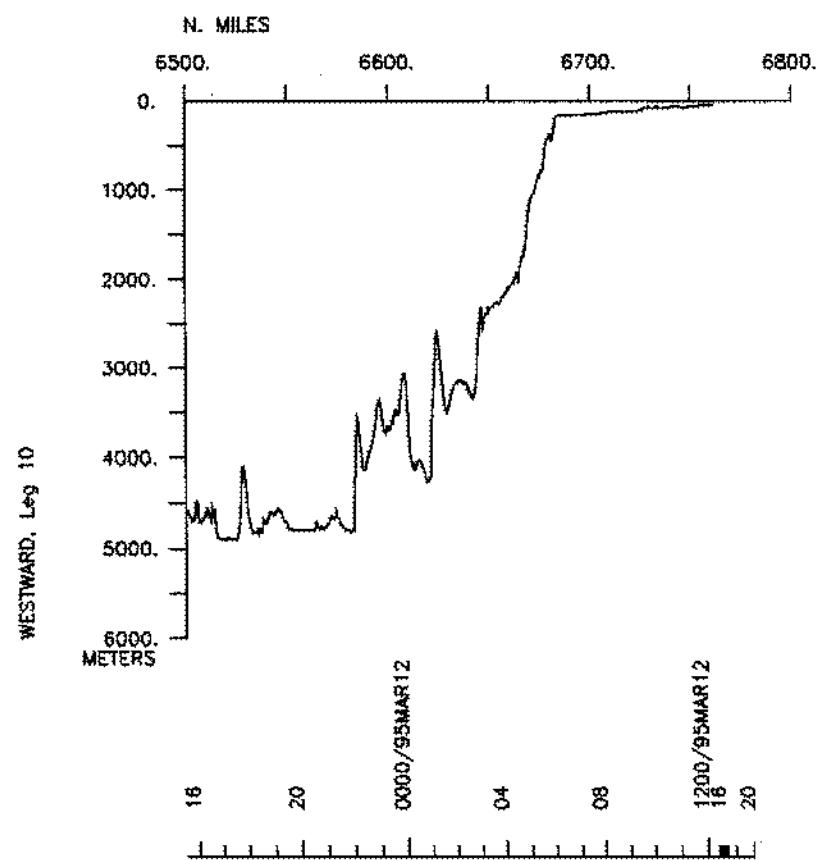
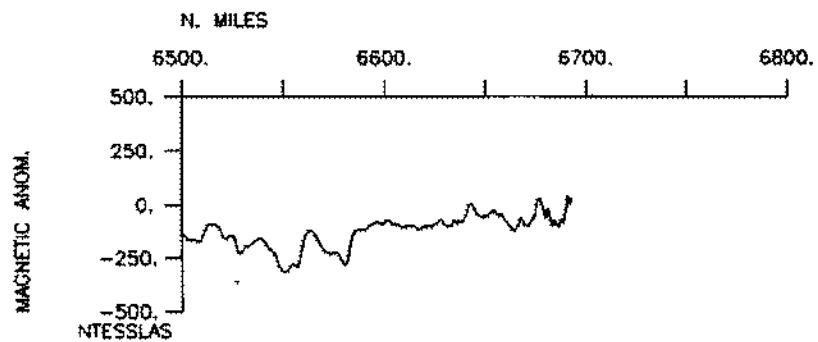
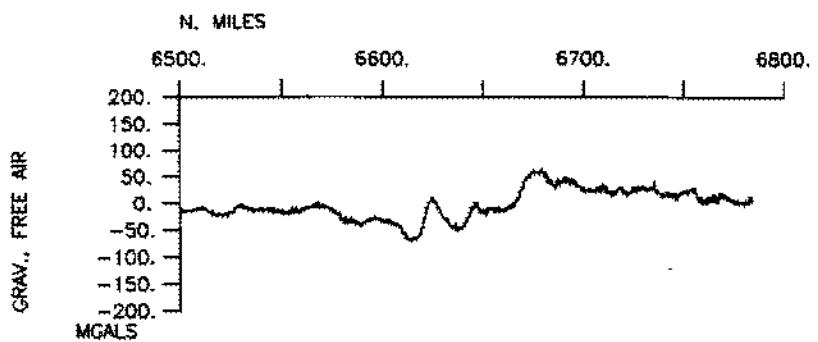












**S.I.O. SAMPLE INDEX**

**(Issued May 1995)**

**WESTWARD EXPEDITION**

Leg 10

(WEST10MV)

R/V Melville

Fremantle, Australia (29 January 1995)

to

Hobart, Tasmania (13 March 1995)

**Chief Scientist:** David Christie, Oregon State University

*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 future computer searches on these parameters. (Listings defining these codes are available from the Geological Data Center.)*

GDC Cruise I.D.# 266

May 15 13:59 1995 WESTWARD.LEG.10.SAMPLE.INDEX Page 1

\*\*\*\* Ports \*\*\*

1000 290195 LGPT B Fremantle, Australia 32-03.00S 115-45.00E f WEST10MV  
1900 130395 LGPT E Hobart, Tasmania 42-53.00S 147-20.00E f WEST10MV

\*\*\*\* Personnel \*\*\*

#	*****NAME*****	*****TITLE*****	*****AFFILIATION*****	**CRID**
PECS OSU	Christie,D.	Chief Scientist	Oregon State Univ.	WEST10MV
PEBO STS	Albright,U.	Sea beam processor	Scripps Institution	WEST10MV
PECT STS	Charters,J.	Computer tech	Scripps Institution	WEST10MV
PESP SIG	Danioshevshii,L.	Scientist	Univ. of Tasmania	WEST10MV
PEST SIG	Douglas,L.	Student	Univ. of Idaho	WEST10MV
PESP MIT	Frey,F.	Professor	Mass. Inst.of Tech.	WEST10MV
PESP OSU	Graham,D.	Asst. professor	Oregon State Univ.	WEST10MV
PESP SIG	Gregory,M.	Assoc. processor	Univ. of Auckland	WEST10MV
PEST JIG	Hall,L.	Student	Univ. of Hawaii	WEST10MV
PEST MIT	Hassler,D.	Student	Mass. Inst.of Tech.	WEST10MV
PESB STS	Heckman,E.	Seabeam tech	Scripps Institution	WEST10MV
PESP OSU	Kalk,P.	Marine tech	Oregon State Univ.	WEST10MV
PESP HIG	Mahoney,J.	Assoc. professor	Univ. of Hawaii	WEST10MV
PEST SIG	Naumann,T.	Student	Univ. of Idaho	WEST10MV
PERT STS	Pillard,G.	Resident tech	Scripps Institution	WEST10MV
PESP LDEO	Small,C.	Research assoc.	Lamont-Doherty Obs.	WEST10MV
PEST OSU	Sprtel,F.	Student	Oregon State Univ.	WEST10MV
PEST OSU	Sylander,B.	Grad student	Oregon State Univ.	WEST10MV
PECT OSU	West,B.	Grad student	Oregon State Univ.	WEST10MV

\*\*\*\* 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.

May 15 13:59 1995 WESTWARD.LEG.10.SAMPLE.INDEX Page 2

#GMT DDMYY	SAMP	B SAMPLE	DISP	P CRUISE		
#TIME DATE TZ	CODE E	IDENTIFIER	CODE	LATITUDE	LONGITUDE	C LEG-SHIP

\*\*\*\* Underway data curator - S. M. Smith ext. 42752

\*\*\*\* Log books\*\*\*

1345 290195	0	LBUW B Underway watch log	GDC	31-55.41S	115-04.90E	g	WEST10MV
0725 120395	0	LBUW E Underway watch log	GDC	43-52.09S	146-39.31E	g	WEST10MV
0654 040295	0	LBSC B Science dr & co logs OSU		43-04.93S	91-05.77E	g	WEST10MV
1305 070395	0	LBSC E Science dr & co logs OSU		49-46.98S	117-50.47E	g	WEST10MV

\*\*\*\* Sea Beam Records (vertical beam and side scan) \*\*\*

1345 290195	0	MBSR B v.beam&sscan r-01	GDC	31-55.41S	115-04.90E	g	WEST10MV
0700 120395	0	MBSR E v.beam&sscan r-01	GDC	43-54.18S	146-34.04E	g	WEST10MV

\*\*\*\* Magnetics (Earth Total Field) Records \*\*\*

1400 290195	0	MGRA B Magnetics r-01	GDC	31-55.82S	115-02.83E	g	WEST10MV
0648 120395	0	MGRA E Magnetics r-01	GDC	43-55.33S	146-31.23E	g	WEST10MV

\*\*\*\* Continuous Recorded Gravity \*\*\*

1000 290195	0	GVCR B Computer logged grav	GDC	32-02.79S	115-44.88E	g	WEST10MV
1900 130395	0	GVCR E Computer logged grav	GDC	42-53.71S	147-21.82E	g	WEST10MV

\*\*\*\* Remote Tracked Drifter Current Meters \*\*\*

0313 300195	0	CMRT B Drifter #22044 with	NOAA	33-12.57S	112-29.97E	g	WEST10MV
1900 130395	0	CMRT C barometric data	NOAA	42-53.71S	147-21.82E	g	WEST10MV
1448 280295	0	CMRT B Drifter #22055 with	NOAA	49-39.69S	109-52.17E	g	WEST10MV
1900 130395	0	CMRT C barometric data	NOAA	42-53.71S	147-21.82E	g	WEST10MV
0521 090395	0	CMRT B Drifter #22043 with	NOAA	48-05.89S	125-57.10E	g	WEST10MV
1900 130395	0	CMRT C barometric data	NOAA	42-53.71S	147-21.82E	g	WEST10MV
0536 100395	0	CMRT B Drifter #22058 with	NOAA	47-57.20S	133-36.58E	g	WEST10MV
1900 130395	0	CMRT C barometric data	NOAA	42-53.71S	147-21.82E	g	WEST10MV

#	GMT DDMMYY	SAMP	B SAMPLE	DISP	P CRUISE			
#	TIME DATE	TZ	CODE	IDENTIFIER	CODE	LATITUDE	LONGITUDE	C LEG-SHIP
*								
<b>**** Dredges ***</b>								
0810	040295	0	DRRO B Dredge	65 2512-2475m OSU	43-04.92S	91-05.67E	g	WEST10MV
0914	040295	0	DRRO E Dredge	65 2512-2475m OSU	43-04.46S	91-05.35E	g	WEST10MV
1631	070295	0	DRRO B Dredge	66 1765-1375m OSU	41-43.32S	89-19.07E	g	WEST10MV
1758	070295	0	DRRO E Dredge	66 1765-1375m OSU	41-42.90S	89-18.89E	g	WEST10MV
2144	070295	0	DRRO B Dredge	67 2035-1850m OSU	41-53.32S	89-11.39E	g	WEST10MV
2246	070295	0	DRRO E Dredge	67 2035-1850m OSU	41-52.77S	89-11.03E	g	WEST10MV
0646	080295	0	DRRO B Dredge	68 3978-3580m OSU	41-48.99S	88-31.60E	g	WEST10MV
0750	080295	0	DRRO E Dredge	68 3978-3580m OSU	41-49.07S	88-32.76E	g	WEST10MV
1954	080295	0	DRRO B Dredge	69 2365-2316m OSU	41-52.17S	88-55.29E	g	WEST10MV
2051	080295	0	DRRO E Dredge	69 2365-2316m OSU	41-51.49S	88-54.87E	g	WEST10MV
0855	090295	0	DRRO B Dredge	70 2575-2575m OSU	42-34.12S	90-12.21E	g	WEST10MV
1033	090295	0	DRRO E Dredge	70 2575-2575m OSU	42-34.31S	90-11.28E	g	WEST10MV
1807	090295	0	DRRO B Dredge	71 2400-2300m OSU	42-53.20S	90-47.71E	g	WEST10MV
1907	090295	0	DRRO E Dredge	71 2400-2300m OSU	42-53.60S	90-47.25E	g	WEST10MV
0248	100295	0	DRRO B Dredge	72 1739-1470m OSU	43-25.02S	91-17.34E	g	WEST10MV
0413	100295	0	DRRO E Dredge	72 1739-1470m OSU	43-25.00S	91-17.01E	g	WEST10MV
1030	100295	0	DRRO B Dredge	73 2800-2675m OSU	43-28.59S	91-40.90E	g	WEST10MV
1134	100295	0	DRRO E Dredge	73 2800-2675m OSU	43-28.10S	91-41.04E	g	WEST10MV
1705	100295	0	DRRO B Dredge	74 2575-2545m OSU	43-25.70S	92-20.02E	g	WEST10MV
1752	100295	0	DRRO E Dredge	74 2575-2545m OSU	43-25.20S	92-19.98E	g	WEST10MV
2217	100295	0	DRRO B Dredge	75 2525-2610m OSU	43-34.70S	92-40.61E	g	WEST10MV
2331	100295	0	DRRO E Dredge	75 2525-2610m OSU	43-34.59S	92-39.71E	g	WEST10MV
0640	110295	0	DRRO B Dredge	76 2740-2588m OSU	43-51.68S	93-08.02E	g	WEST10MV
0748	110295	0	DRRO E Dredge	76 2740-2588m OSU	43-51.91S	93-07.44E	g	WEST10MV
1427	110295	0	DRRO B Dredge	77 2785-2805m OSU	44-06.69S	93-46.40E	g	WEST10MV
1603	110295	0	DRRO E Dredge	77 2785-2805m OSU	44-06.61S	93-46.62E	g	WEST10MV
0135	120295	0	DRRO B Dredge	78 2708-2730m OSU	44-49.98S	94-49.98E	g	WEST10MV
0307	120295	0	DRRO E Dredge	78 2708-2730m OSU	44-50.36S	94-49.45E	g	WEST10MV
0930	120295	0	DRRO B Dredge	79 3070-3020m OSU	45-06.36S	95-24.52E	g	WEST10MV
1057	120295	0	DRRO E Dredge	79 3070-3020m OSU	45-06.48S	95-24.06E	g	WEST10MV
0719	130295	0	DRRO B Dredge	80 3165-3120m OSU	45-08.52S	95-29.76E	g	WEST10MV
0849	130295	0	DRRO E Dredge	80 3165-3120m OSU	45-08.74S	95-29.30E	g	WEST10MV

May 15 13:59 1995 WESTWARD.LEG.10.SAMPLE.INDEX Page 4

#	GMT DDMMYY	SAMP	B SAMPLE		DISP		P CRUISE	
#	TIME DATE	TZ	CODE	E IDENTIFIER	CODE	LATITUDE	LONGITUDE	C LEG-SHIP
	1233 130295	0	DRRO B Dredge	81	3200-3180m OSU	45-10.46S	95-35.40E	g WEST10MV
	1354 130295	0	DRRO E Dredge	81	3200-3180m OSU	45-10.58S	95-35.13E	g WEST10MV
	1735 130295	0	DRRO B Dredge	82	3135-3110m OSU	45-10.60S	95-42.10E	g WEST10MV
	1851 130295	0	DRRO E Dredge	82	3135-3110m OSU	45-11.10S	95-41.90E	g WEST10MV
	2300 130295	0	DRRO B Dredge	83	3070-3068m OSU	45-02.77S	95-46.32E	g WEST10MV
	0023 140295	0	DRRO E Dredge	83	3070-3068m OSU	45-03.06S	95-45.80E	g WEST10MV
	0448 140295	0	DRRO B Dredge	84	2740-2580m OSU	45-06.60S	95-56.00E	g WEST10MV
	0558 140295	0	DRRO E Dredge	84	2740-2580m OSU	45-07.03S	95-55.90E	g WEST10MV
	0944 140295	0	DRRO B Dredge	85	2660-2555m OSU	45-12.20S	96-07.03E	g WEST10MV
	1115 140295	0	DRRO E Dredge	85	2660-2555m OSU	45-11.78S	96-07.62E	g WEST10MV
	2020 140295	0	DRRO B Dredge	86	2590-1850m OSU	45-42.09S	96-00.25E	g WEST10MV
	2228 140295	0	DRRO E Dredge	86	2590-1850m OSU	45-41.47S	95-59.88E	g WEST10MV
	2250 150295	0	DRRO B Dredge	87	2550-2566m OSU	46-46.69S	96-22.06E	g WEST10MV
	0010 160295	0	DRRO E Dredge	87	2550-2566m OSU	46-46.99S	96-21.60E	g WEST10MV
	0601 160295	0	DRRO B Dredge	88	2615-2520m OSU	47-04.60S	96-50.00E	g WEST10MV
	0725 160295	0	DRRO E Dredge	88	2615-2520m OSU	47-04.64S	96-49.49E	g WEST10MV
	1610 160295	0	DRRO B Dredge	89	2490-2450m OSU	47-26.57S	97-30.68E	g WEST10MV
	1739 160295	0	DRRO E Dredge	89	2490-2450m OSU	47-26.78S	97-30.72E	g WEST10MV
	2355 160295	0	DRRO B Dredge	90	2644-2570m OSU	47-42.80S	98-10.14E	g WEST10MV
	0140 170295	0	DRRO E Dredge	90	2644-2570m OSU	47-42.64S	98-09.41E	g WEST10MV
	0636 170295	0	DRRO B Dredge	91	2900-2900m OSU	47-54.89S	98-36.82E	g WEST10MV
	0815 170295	0	DRRO E Dredge	91	2900-2900m OSU	47-54.57S	98-36.08E	g WEST10MV
	1519 170295	0	DRRO B Dredge	92	2735-2605m OSU	48-05.84S	98-57.11E	g WEST10MV
	1644 170295	0	DRRO E Dredge	92	2735-2605m OSU	48-06.03S	98-56.60E	g WEST10MV
	2342 170295	0	DRRO B Dredge	93	2500-2260m OSU	47-59.18S	99-07.41E	g WEST10MV
	0100 180295	0	DRRO E Dredge	93	2500-2260m OSU	47-58.89S	99-06.99E	g WEST10MV
	0534 180295	0	DRRO B Dredge	94	2440-2265m OSU	47-45.31S	99-15.62E	g WEST10MV
	0707 180295	0	DRRO E Dredge	94	2440-2265m OSU	47-45.06S	99-15.21E	g WEST10MV
	1109 180295	0	DRRO B Dredge	95	2295-2150m OSU	47-32.74S	99-24.14E	g WEST10MV
	1304 180295	0	DRRO E Dredge	95	2295-2150m OSU	47-32.51S	99-23.40E	g WEST10MV
	0106 190295	0	DRRO B Dredge	96	2475-2460m OSU	47-20.28S	100-40.89E	g WEST10MV
	0215 190295	0	DRRO E Dredge	96	2475-2460m OSU	47-20.10S	100-40.29E	g WEST10MV

May 15 13:59 1995 WESTWARD.LEG.10.SAMPLE.INDEX Page 5

#	GMT DDMMYY	SAMP	B SAMPLE	DISP	P	CRUISE	
#	TIME DATE	TZ	CODE E IDENTIFIER	CODE	LATITUDE	LONGITUDE	C LEG-SHIP
	0651 190295	0	DRRO B Dredge 97 1910-1905m OSU	47-11.40S	100-52.39E	g	WEST10MV
	0820 190295	0	DRRO E Dredge 97 1910-1905m OSU	47-11.19S	100-51.82E	g	WEST10MV
	1315 190295	0	DRRO B Dredge 98 2590-2565m OSU	47-27.60S	100-58.22E	g	WEST10MV
	1428 190295	0	DRRO E Dredge 98 2590-2565m OSU	47-27.49S	100-57.62E	g	WEST10MV
	1827 190295	0	DRRO B Dredge 99 2849-2835m OSU	47-35.48S	101-14.04E	g	WEST10MV
	2003 190295	0	DRRO E Dredge 99 2849-2835m OSU	47-35.40S	101-13.36E	g	WEST10MV
	0054 200295	0	DRRO B Dredge100 2863-2850m OSU	47-38.00S	101-32.52E	g	WEST10MV
	0245 200295	0	DRRO E Dredge100 2863-2850m OSU	47-37.87S	101-31.85E	g	WEST10MV
	0714 200295	0	DRRO B Dredge101 2805-2755m OSU	47-46.45S	101-52.24E	g	WEST10MV
	0907 200295	0	DRRO E Dredge101 2805-2755m OSU	47-46.50S	101-51.39E	g	WEST10MV
	1317 200295	0	DRRO B Dredge102 2975-2955m OSU	47-52.72S	102-08.99E	g	WEST10MV
	1500 200295	0	DRRO E Dredge102 2975-2955m OSU	47-52.58S	102-08.37E	g	WEST10MV
	1935 200295	0	DRRO B Dredge103 3290-3170m OSU	48-01.25S	102-32.72E	g	WEST10MV
	2038 200295	0	DRRO E Dredge103 3290-3170m OSU	48-01.13S	102-32.39E	g	WEST10MV
	0126 210295	0	DRRO B Dredge104 2440-2362m OSU	47-55.40S	103-05.26E	g	WEST10MV
	0231 210295	0	DRRO E Dredge104 2440-2362m OSU	47-55.35S	103-04.77E	g	WEST10MV
	0646 210295	0	DRRO B Dredge105 2795-2760m OSU	47-46.18S	103-02.80E	g	WEST10MV
	0752 210295	0	DRRO E Dredge105 2795-2760m OSU	47-45.91S	103-02.30E	g	WEST10MV
	1242 210295	0	DRRO B Dredge106 3020-2950m OSU	47-53.19S	103-21.29E	g	WEST10MV
	1438 210295	0	DRRO E Dredge106 3020-2950m OSU	47-52.78S	103-21.23E	g	WEST10MV
	1846 210295	0	DRRO B Dredge107 2800-2775m OSU	47-51.03S	103-21.90E	g	WEST10MV
	2015 210295	0	DRRO E Dredge107 2800-2775m OSU	47-51.05S	103-21.13E	g	WEST10MV
	0122 220295	0	DRRO B Dredge108 3080-3080m OSU	47-58.50S	103-34.81E	g	WEST10MV
	0219 220295	0	DRRO E Dredge108 3080-3080m OSU	47-58.33S	103-34.29E	g	WEST10MV
	0542 220295	0	DRRO X Dredge109 2870-2890m OSU	47-56.36S	103-36.72E	g	WEST10MV
	1210 220295	0	DRRO B Dredge110 3550-3410m OSU	48-06.00S	103-56.57E	g	WEST10MV
	1401 220295	0	DRRO E Dredge110 3550-3410m OSU	48-06.23S	103-55.88E	g	WEST10MV
	0716 230295	0	DRRO B Dredge111 3105-3015m OSU	48-12.43S	104-40.27E	g	WEST10MV
	0854 230295	0	DRRO E Dredge111 3105-3015m OSU	48-12.79S	104-39.70E	g	WEST10MV
	1331 230295	0	DRRO B Dredge112 3150-3175m OSU	48-18.69S	104-58.66E	g	WEST10MV
	1500 230295	0	DRRO E Dredge112 3150-3175m OSU	48-19.03S	104-57.98E	g	WEST10MV
	2145 230295	0	DRRO B Dredge113 3550-3560m OSU	48-45.01S	105-13.46E	g	WEST10MV
	2304 230295	0	DRRO E Dredge113 3550-3560m OSU	48-45.28S	105-13.00E	g	WEST10MV

#	GMT DDMMYY	SAMP	B SAMPLE	DISP	p	CRUISE	
#	TIME DATE	TZ	CODE E IDENTIFIER	CODE	LATITUDE	LONGITUDE	c LEG-SHIP
	0721 240295	0	DRRO B Dredge114	2975-2775m OSU	49-06.96S	105-35.96E	g WEST10MV
	0851 240295	0	DRRO E Dredge114	2975-2775m OSU	49-06.98S	105-35.26E	g WEST10MV
	1316 240295	0	DRRO B Dredge115	3575-3565m OSU	49-13.66S	105-52.67E	g WEST10MV
	1454 240295	0	DRRO E Dredge115	3575-3565m OSU	49-13.72S	105-52.06E	g WEST10MV
	2258 240295	0	DRRO B Dredge116	4900-4770m OSU	48-52.74S	106-30.71E	g WEST10MV
	0105 250295	0	DRRO E Dredge116	4900-4770m OSU	48-52.40S	106-29.67E	g WEST10MV
	1412 250295	0	DRRO B Dredge117	3555-3520m OSU	48-21.28S	107-09.27E	g WEST10MV
	1519 250295	0	DRRO E Dredge117	3555-3520m OSU	48-20.99S	107-08.74E	g WEST10MV
	1951 250295	0	DRRO B Dredge118	2690-2655m OSU	48-26.24S	107-31.77E	g WEST10MV
	2100 250295	0	DRRO E Dredge118	2690-2655m OSU	48-25.73S	107-31.63E	g WEST10MV
	0000 260295	0	DRRO B Dredge119	2224-2275m OSU	48-21.01S	107-30.79E	g WEST10MV
	0107 260295	0	DRRO E Dredge119	2224-2275m OSU	48-20.89S	107-30.16E	g WEST10MV
	0544 260295	0	DRRO B Dredge120	2817-2790m OSU	48-33.48S	107-49.43E	g WEST10MV
	0730 260295	0	DRRO E Dredge120	2817-2790m OSU	48-32.99S	107-48.81E	g WEST10MV
	1208 260295	0	DRRO X Dredge121	lost OSU	48-41.81S	108-12.23E	g WEST10MV
	1809 260295	0	DRRO B Dredge122	3295-3260m OSU	48-44.62S	108-17.20E	g WEST10MV
	1924 260295	0	DRRO E Dredge122	3295-3260m OSU	48-44.30S	108-16.61E	g WEST10MV
	2338 260295	0	DRRO B Dredge123	3424-3360m OSU	48-48.41S	108-28.16E	g WEST10MV
	0045 270295	0	DRRO E Dredge123	3424-3360m OSU	48-47.98S	108-27.99E	g WEST10MV
	0644 270295	0	DRRO B Dredge124	3960-3910m OSU	49-01.84S	108-31.01E	g WEST10MV
	0802 270295	0	DRRO E Dredge124	3960-3910m OSU	49-01.56S	108-30.80E	g WEST10MV
	2227 270295	0	DRRO B Dredge125	3510-3440m OSU	49-27.20S	109-07.13E	g WEST10MV
	2335 270295	0	DRRO E Dredge125	3510-3440m OSU	49-27.04S	109-06.37E	g WEST10MV
	0537 280295	0	DRRO B Dredge126	3305-3175m OSU	49-31.79S	109-29.34E	g WEST10MV
	0705 280295	0	DRRO E Dredge126	3305-3175m OSU	49-31.65S	109-29.04E	g WEST10MV
	1147 280295	0	DRRO B Dredge127	3260-3240m OSU	49-39.70S	109-53.68E	g WEST10MV
	1318 280295	0	DRRO E Dredge127	3260-3240m OSU	49-39.57S	109-53.01E	g WEST10MV
	1840 280295	0	DRRO B Dredge128	3805-3685m OSU	49-49.99S	110-25.06E	g WEST10MV
	1954 280295	0	DRRO E Dredge128	3805-3685m OSU	49-49.65S	110-24.73E	g WEST10MV
	0853 010395	0	DRRO B Dredge129	3960-3990m OSU	49-57.98S	110-51.35E	g WEST10MV
	1036 010395	0	DRRO E Dredge129	3960-3990m OSU	49-57.56S	110-50.91E	g WEST10MV
	1536 010395	0	DRRO B Dredge130	3525-3515m OSU	49-46.83S	111-08.40E	g WEST10MV
	1642 010395	0	DRRO E Dredge130	3525-3515m OSU	49-46.59S	111-08.08E	g WEST10MV

May 15 13:59 1995 WESTWARD.LEG.10.SAMPLE.INDEX Page 7

#	GMT DDMYY	SAMP	B SAMPLE	DISP	p	CRUISE		
#	TIME DATE	TZ	CODE	IDENTIFIER	CODE	LATITUDE	LONGITUDE	C LEG-SHIP
	0604 020395	0	DRRO B	Dredge131 3620-3580m	OSU	50-04.09S	111-25.37E	g WEST10MV
	0720 020395	0	DRRO E	Dredge131 3620-3580m	OSU	50-03.80S	111-24.77E	g WEST10MV
	1208 020395	0	DRRO B	Dredge132 3320-3335m	OSU	50-12.46S	111-47.48E	g WEST10MV
	1310 020395	0	DRRO E	Dredge132 3320-3335m	OSU	50-12.69S	111-47.06E	g WEST10MV
	1820 020395	0	DRRO B	Dredge133 3567-3400m	OSU	50-19.38S	112-19.48E	g WEST10MV
	1930 020395	0	DRRO E	Dredge133 3567-3400m	OSU	50-19.42S	112-18.99E	g WEST10MV
	2330 020395	0	DRRO B	Dredge134 3680-3620m	OSU	50-17.50S	112-30.03E	g WEST10MV
	0049 030395	0	DRRO E	Dredge134 3680-3620m	OSU	50-17.76S	112-29.41E	g WEST10MV
	0456 030395	0	DRRO B	Dredge135 3835-3610m	OSU	50-18.00S	112-36.24E	g WEST10MV
	0625 030395	0	DRRO E	Dredge135 3835-3610m	OSU	50-18.44S	112-35.68E	g WEST10MV
	1029 030395	0	DRRO B	Dredge136 3770-3755m	OSU	50-19.17S	112-41.87E	g WEST10MV
	1153 030395	0	DRRO E	Dredge136 3770-3755m	OSU	50-19.37S	112-41.18E	g WEST10MV
	1634 030395	0	DRRO X	Dredge137 3850-3840m	OSU	50-11.72S	112-47.98E	g WEST10MV
	2216 030395	0	DRRO B	Dredge138 3870-3820m	OSU	50-11.71S	112-52.12E	g WEST10MV
	0030 040395	0	DRRO E	Dredge138 3870-3820m	OSU	50-11.26S	112-51.42E	g WEST10MV
	0510 040395	0	DRRO B	Dredge139 3620-3610m	OSU	50-14.75S	113-06.87E	g WEST10MV
	0606 040395	0	DRRO E	Dredge139 3620-3610m	OSU	50-14.72S	113-06.36E	g WEST10MV
	1027 040395	0	DRRO B	Dredge140 3375-3265m	OSU	50-18.01S	113-27.08E	g WEST10MV
	1207 040395	0	DRRO E	Dredge140 3375-3265m	OSU	50-18.03S	113-27.28E	g WEST10MV
	1557 040395	0	DRRO B	Dredge141 3010-2990m	OSU	50-21.36S	113-37.68E	g WEST10MV
	1748 040395	0	DRRO E	Dredge141 3010-2990m	OSU	50-20.85S	113-36.98E	g WEST10MV
	0847 050395	0	DRRO B	Dredge142 4320-4280m	OSU	49-51.96S	114-29.28E	g WEST10MV
	1011 050395	0	DRRO E	Dredge142 4320-4280m	OSU	49-51.62S	114-28.84E	g WEST10MV
	1542 050395	0	DRRO B	Dredge143 4155-4025m	OSU	49-57.60S	114-57.26E	g WEST10MV
	1707 050395	0	DRRO E	Dredge143 4155-4025m	OSU	49-57.19S	114-57.05E	g WEST10MV
	2250 050395	0	DRRO B	Dredge144 4116-3920m	OSU	50-00.78S	115-13.11E	g WEST10MV
	0009 060395	0	DRRO E	Dredge144 4116-3920m	OSU	50-00.47S	115-12.73E	g WEST10MV
	1228 060395	0	DRRO B	Dredge145 4720-4610m	OSU	49-16.76S	116-43.52E	g WEST10MV
	1341 060395	0	DRRO E	Dredge145 4720-4610m	OSU	49-16.49S	116-43.05E	g WEST10MV
	2046 060395	0	DRRO B	Dredge146 4870-4755m	OSU	49-30.39S	117-11.66E	g WEST10MV
	2203 060395	0	DRRO E	Dredge146 4870-4755m	OSU	49-30.34S	117-10.90E	g WEST10MV
	0439 070395	0	DRRO B	Dredge147 4690-4575m	OSU	49-42.11S	117-31.69E	g WEST10MV
	0614 070395	0	DRRO E	Dredge147 4690-4575m	OSU	49-42.27S	117-31.01E	g WEST10MV

#	GMT DDMMYY	SAMP	B	SAMPLE	DISP	P	CRUISE	
#	TIME DATE	TZ	CODE	E IDENTIFIER	CODE	LATITUDE	LONGITUDE	C LEG-SHIP
	**** Rock Glass Cores ***							
0251	080295	0	CORG	X Core	39	2420m OSU	41-44.84S	88-48.29E g WEST10MV
1045	080295	0	CORG	Core	40	2345m OSU	41-41.29S	88-41.40E g WEST10MV
2337	080295	0	CORG	Core	41	2347m OSU	41-54.99S	89-01.17E g WEST10MV
0621	090295	0	CORG	Core	42	2537m OSU	42-53.71S	147-21.82E g WEST10MV
1552	090295	0	CORG	Core	43	2450m OSU	42-50.69S	90-41.82E g WEST10MV
0342	110295	0	CORG	X Core	44	2585m OSU	43-48.77S	93-01.60E g WEST10MV
1842	120295	0	CORG	Core	45	2881m OSU	45-00.31S	95-10.51E g WEST10MV
0422	150295	0	CORG	Core	46	3175m OSU	46-00.99S	95-46.32E g WEST10MV
0639	150295	0	CORG	Core	47	3291m OSU	46-02.39S	95-50.22E g WEST10MV
0856	150295	0	CORG	Core	48	2975m OSU	46-05.40S	95-55.58E g WEST10MV
1057	150295	0	CORG	Core	49	3135m OSU	46-08.13S	95-57.96E g WEST10MV
1307	150295	0	CORG	Core	50	3160m OSU	46-11.30S	96-03.82E g WEST10MV
1333	160295	0	CORG	Core	51	2420m OSU	47-25.81S	97-28.72E g WEST10MV
1214	170295	0	CORG	Core	52	2616m OSU	48-03.38S	98-50.56E g WEST10MV
1906	170295	0	CORG	Core	53	2650m OSU	48-06.01S	98-58.00E g WEST10MV
2106	170295	0	CORG	Core	54	2584m OSU	48-01.04S	99-03.03E g WEST10MV
1749	220295	0	CORG	Core	55	3450m OSU	48-10.18S	104-10.24E g WEST10MV
2044	220295	0	CORG	Core	56	3495m OSU	48-12.62S	104-16.88E g WEST10MV
0325	240295	0	CORG	Core	57	3664m OSU	48-58.95S	105-15.33E g WEST10MV
1141	250295	0	CORG	Core	58	2930m OSU	48-18.60S	107-08.69E g WEST10MV
1109	270295	0	CORG	Core	59	3850m OSU	49-07.55S	108-39.81E g WEST10MV
1411	270295	0	CORG	X Core	60	3940m OSU	49-17.86S	108-46.24E g WEST10MV

#	GMT DDMMYY	SAMP	B	SAMPLE	DISP	P	CRUISE	
#	TIME DATE	TZ	CODE	IDENTIFIER	CODE	LATITUDE	LONGITUDE	C LEG-SHIP
1846	270295	0	CORG	Core 61	3460m OSU	49-24.20S	108-55.44E	g WEST10MV
2346	280295	0	CORG	Core 62	3890m OSU	49-53.02S	110-36.17E	g WEST10MV
0240	010395	0	CORG	Core 63	4152m OSU	49-55.19S	110-44.43E	g WEST10MV
0601	010395	0	CORG X	Core 64	4000m OSU	49-58.10S	110-53.47E	g WEST10MV
0024	050395	0	CORG	Core 65	3074m OSU	50-22.55S	113-43.17E	g WEST10MV
1208	070395	0	CORG	Core 66	4065m OSU	49-47.01S	117-50.42E	g WEST10MV

## #\*\*\* Expendable Bathythermographs \*\*\*

0031	300195	0	BTXP	XBT T-5 t-5\$0.sip	GDC	32-59.24S	113-01.07E	g WEST10MV
0036	310195	0	BTXP	XBT T-5 t-5\$1.sip	GDC	35-11.32S	107-52.60E	g WEST10MV
0047	010295	0	BTXP	XBT T-5 t-5\$2.sip	GDC	37-10.22S	103-07.28E	g WEST10MV
0014	020295	0	BTXP	XBT T-5 t-5\$3.sip	GDC	39-45.00S	98-45.88E	g WEST10MV
0142	030295	0	BTXP	XBT T-5 t-5\$4.sip	GDC	42-29.57S	94-00.11E	g WEST10MV
0041	040295	0	BTXP	XBT T-5 t-5\$5.sip	GDC	43-27.36S	90-58.85E	g WEST10MV
0053	040295	0	BTXP	XBT T-5 t-5\$6.sip	GDC	43-25.04S	90-59.46E	g WEST10MV
0054	050295	0	BTXP	XBT T-5 t-5\$7.sip	GDC	43-03.45S	90-39.67E	g WEST10MV
0059	060295	0	BTXP	XBT T-5 t-5\$8.sip	GDC	42-44.89S	90-02.18E	g WEST10MV
0115	070295	0	BTXP	XBT T-5 t-5\$9.sip	GDC	41-56.06S	88-58.66E	g WEST10MV
1751	120295	0	BTXP	XBT T-5 t-5\$10.sip	GDC	45-00.26S	95-10.55E	g WEST10MV
0246	170295	0	BTXP	XBT T-5 t-5\$11.sip	GDC	47-42.37S	98-09.28E	g WEST10MV
1706	170295	0	BTXP	XBT T-5 t-5\$12.sip	GDC	48-06.02S	98-56.56E	g WEST10MV
1424	180295	0	BTXP	XBT T-5 t-5\$13.sip	GDC	47-32.51S	99-23.35E	g WEST10MV
1432	180295	0	BTXP	XBT T-5 t-5\$14.sip	GDC	47-32.49S	99-23.37E	g WEST10MV
0120	220295	0	BTXP	XBT T-5 t-5\$15.sip	GDC	47-58.51S	103-34.79E	g WEST10MV
0128	220295	0	BTXP	XBT T-5 t-5\$16.sip	GDC	47-58.44S	103-34.55E	g WEST10MV
0138	260295	0	BTXP	XBT T-5 t-5\$17.sip	GDC	48-20.89S	107-30.21E	g WEST10MV
0030	280295	0	BTXP	XBT T-5 t-5\$18.sip	GDC	49-27.06S	109-05.87E	g WEST10MV
0036	280295	0	BTXP	XBT T-5 t-5\$19.sip	GDC	49-27.05S	109-05.69E	g WEST10MV
0050	280295	0	BTXP	XBT T-5 t-5\$20.sip	GDC	49-26.99S	109-04.95E	g WEST10MV
0058	280295	0	BTXP	XBT T-5 t-5\$21.sip	GDC	49-26.89S	109-04.37E	g WEST10MV
0159	010395	0	BTXP	XBT T-5 t-5\$22.sip	GDC	49-55.23S	110-44.44E	g WEST10MV
0207	010395	0	BTXP	XBT T-5 t-5\$23.sip	GDC	49-55.24S	110-44.40E	g WEST10MV
0006	070395	0	BTXP	XBT T-5 t-5\$24.sip	GDC	49-30.10S	117-09.14E	g WEST10MV
2313	080395	0	BTXP	XBT T-5 t-5\$25.sip	GDC	48-08.11S	123-58.60E	g WEST10MV
2322	080395	0	BTXP	XBT T-5 t-5\$26.sip	GDC	48-08.02S	124-01.58E	g WEST10MV
0037	100395	0	BTXP	XBT T-5 t-5\$27.sip	GDC	47-59.00S	132-00.85E	g WEST10MV
0045	100395	0	BTXP	XBT T-5 t-5\$28.sip	GDC	47-58.91S	132-03.31E	g WEST10MV
2217	100395	0	BTXP	XBT T-5 t-5\$29.sip	GDC	47-06.20S	138-10.53E	g WEST10MV
2155	110395	0	BTXP	XBT T-5 t-5\$30.sip	GDC	44-48.07S	144-15.35E	g WEST10MV

# End Sample Index WEST10MV