

Report and Index of
Underway Marine Geophysical Data
DELIVERY CRUISE
LEG 2
(DELV02RR)
R/V REVELLE
(Issued October 1996)

Ports:

Balboa, Panama Canal Zone (19 July 1996)
to
San Diego, California (31 July 1996)

Chief Scientist:

Robert Knox- Scripps Institution of Oceanography

Resident Marine Technician - Ron Comer

Computer Technicians - Ron Moe and Jim Charters

SeaBeam/UW Processor - Stuart M. Smith

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.# 268

**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)534-6500, Internet email: ssmith@ucsd.edu

1. Files on Exabyte or DAT:
 - 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. (*)
 - d) SeaBeam Sidescan data. (*)

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.

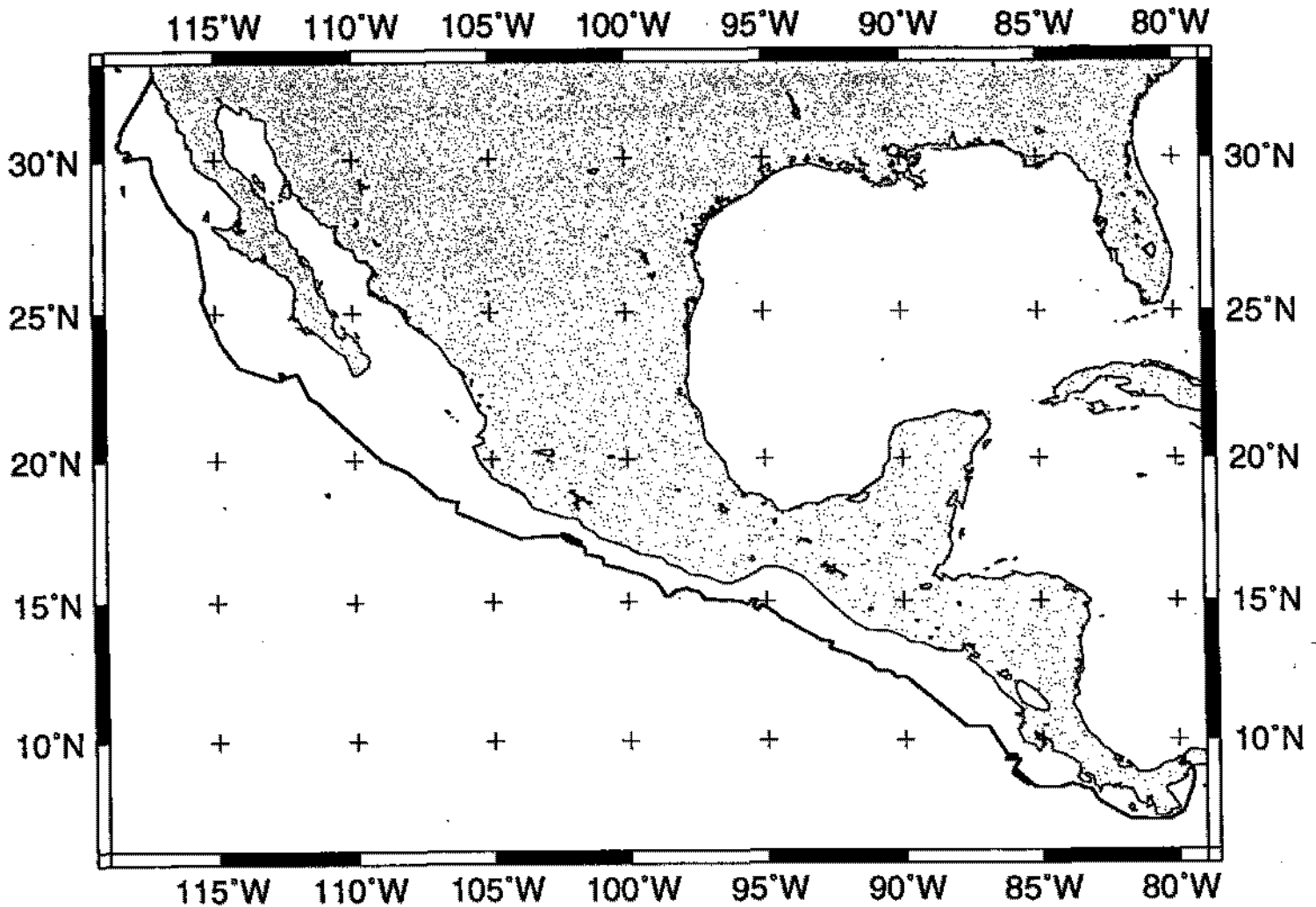
3. Navigation listing with times and positions of fixes and course and speed changes.

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.

(*) R/V Revelle Seabeam 2100 data available in SB2100 vendor format only, as of October 1996

rev10/96



DELIVERY CRUISE LEG 2

CHIEF SCIENTIST: Robert Knox

Scripps Institution of Oceanography

PORTS: Balboa, Panama Canal Zone - San Diego, Calif.

DATES: 19 - 31 July 1996

SHIP: R/V Revelle

TOTAL MILEAGE OF UNDERWAY DATA COLLECTED

Cruise - 3581 miles

Magnetics - 3070 miles

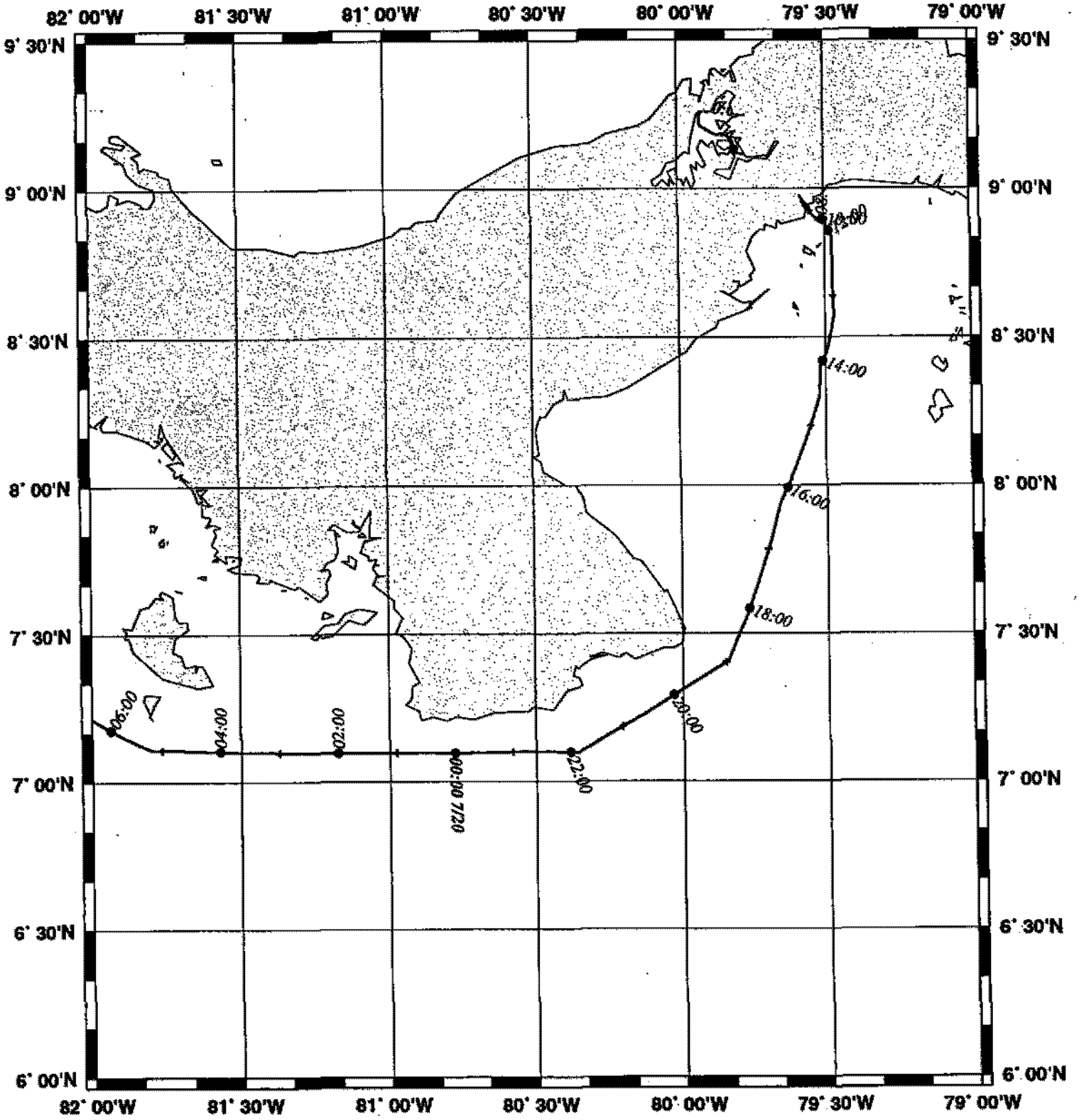
Bathymetry - 3433 miles

Seismic Reflection - none collected

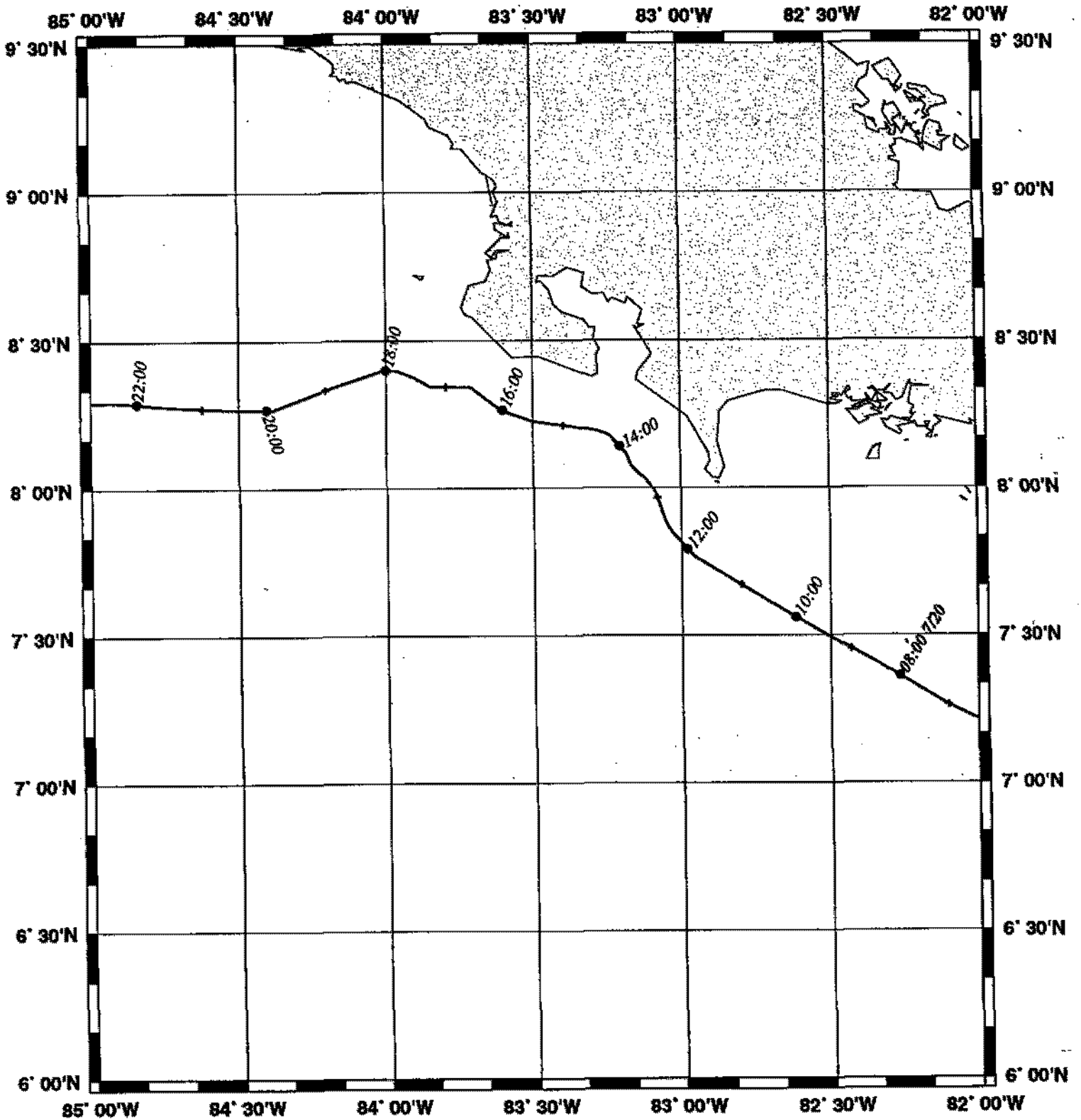
Sea Beam - 3433 miles

Gravity - none collected

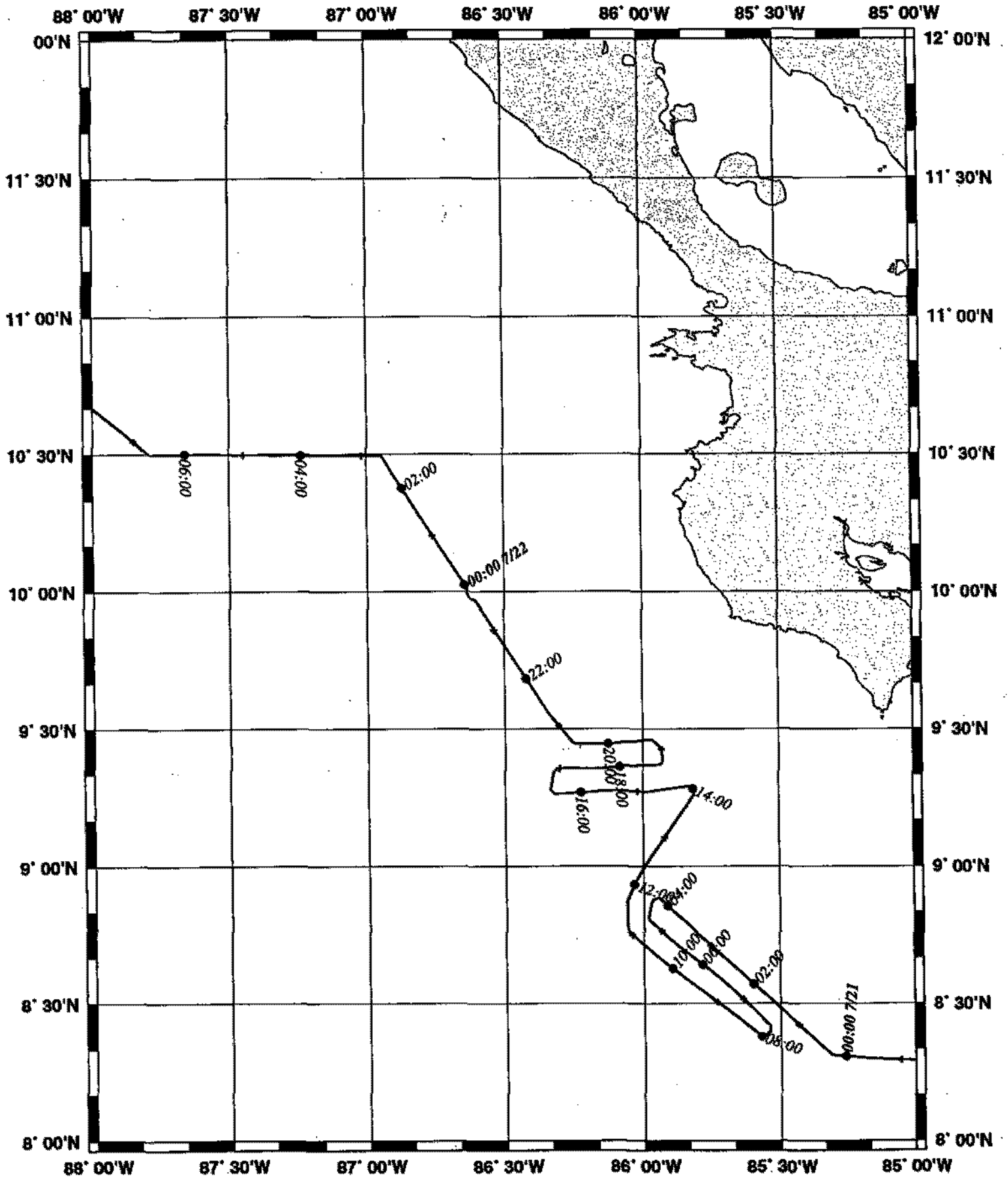
DELV02RR_track_plot_01



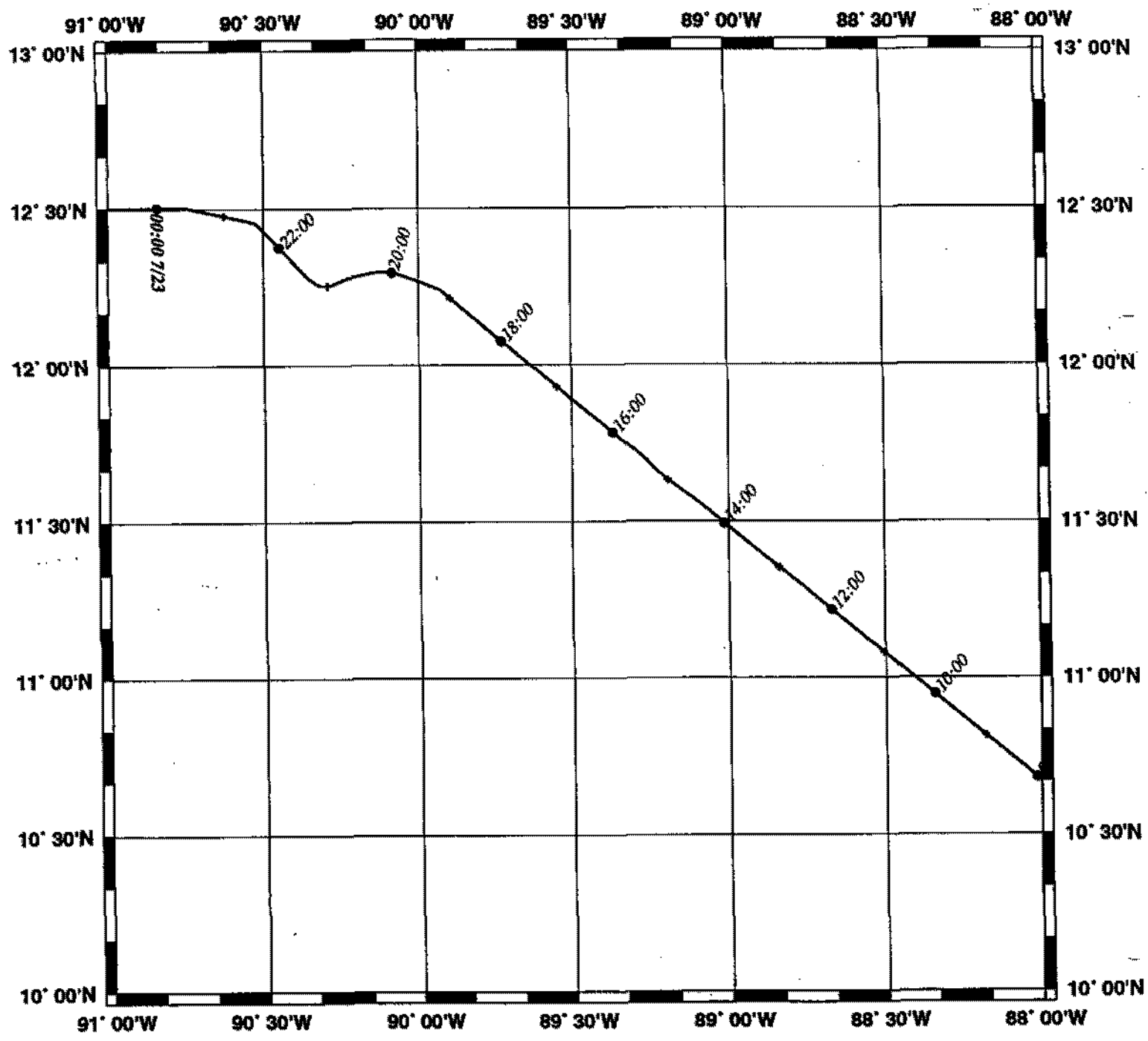
DELV02RR_track_plot_02



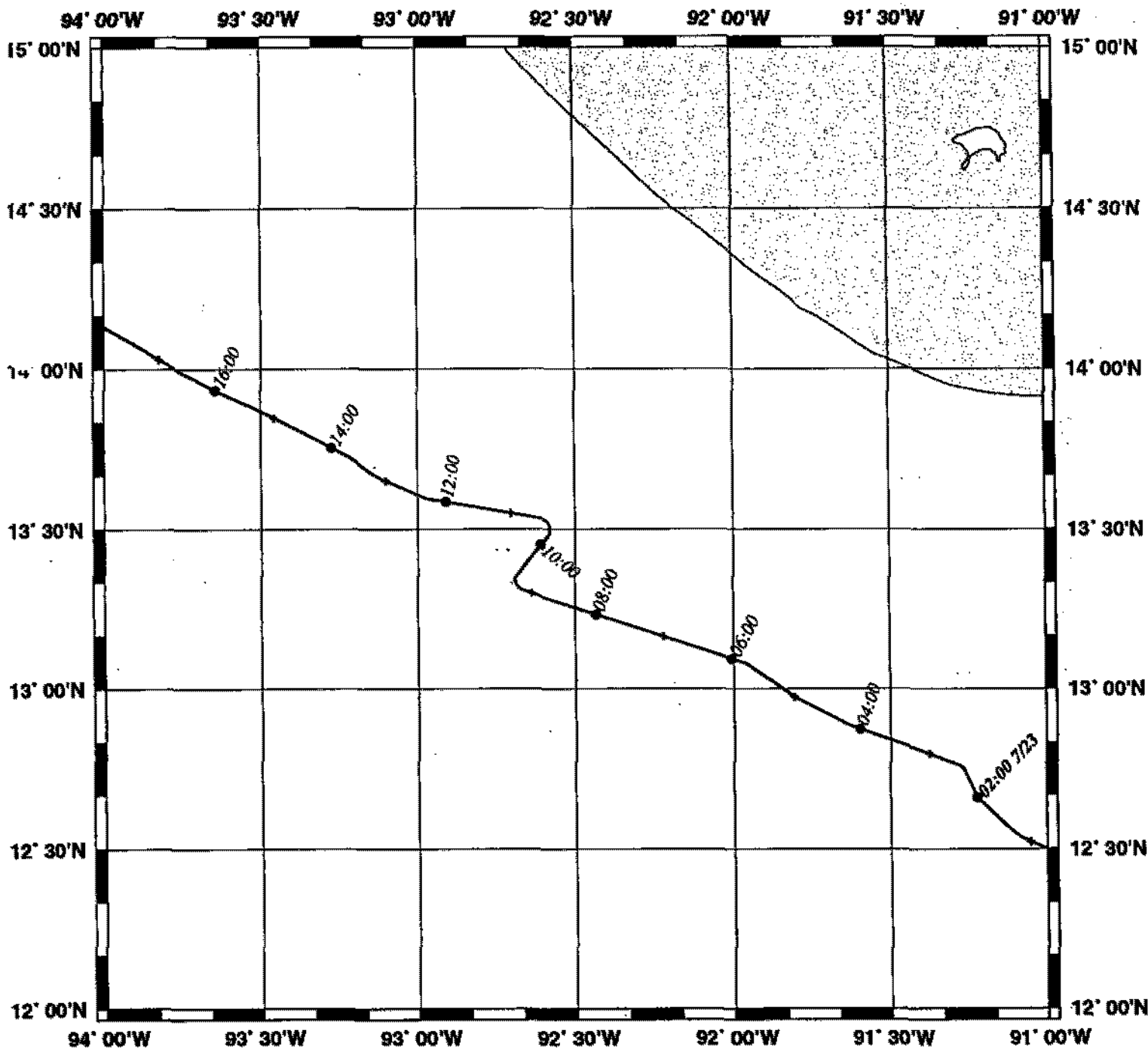
DELV02RR_track_plot_03



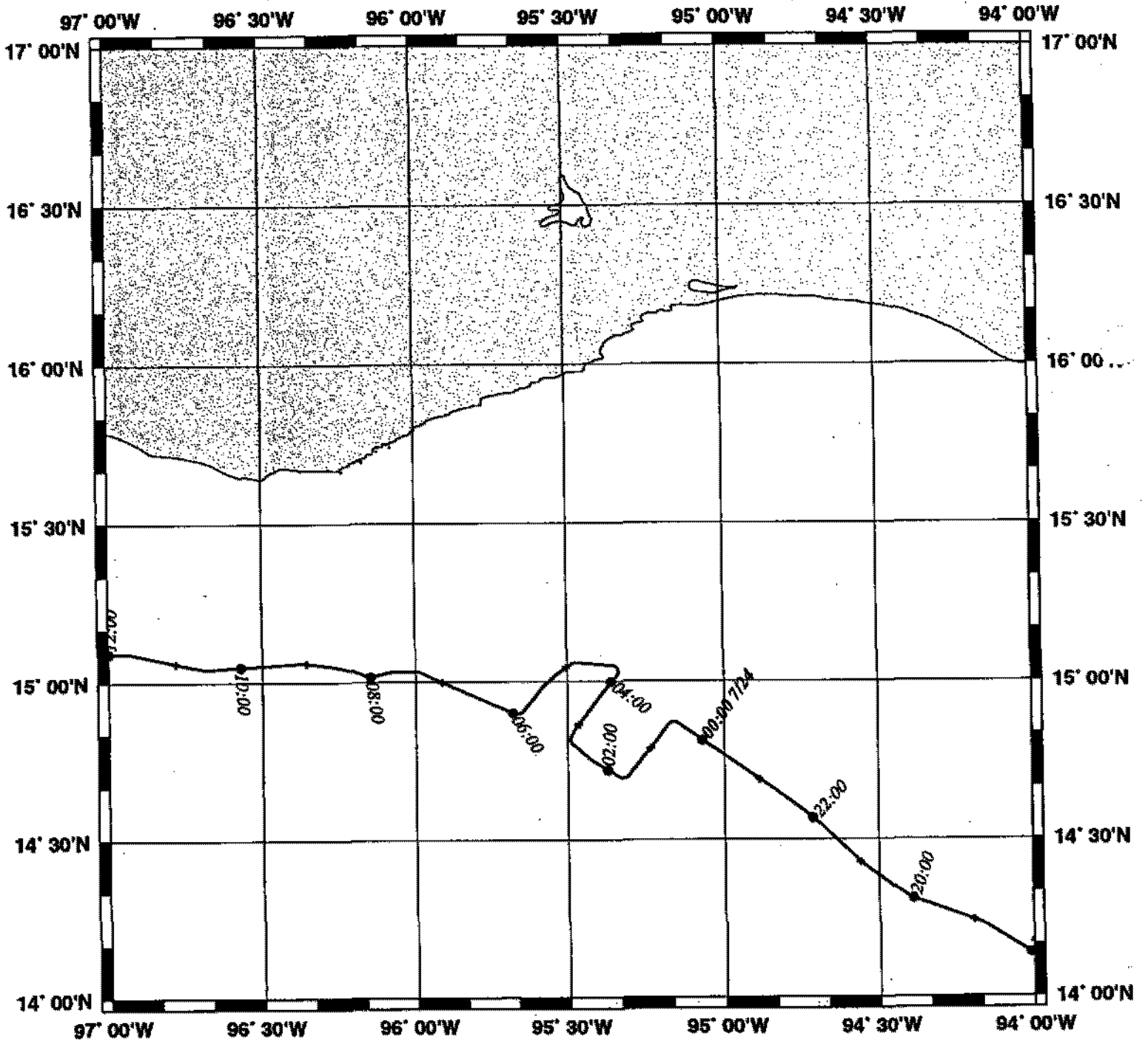
DELV02RR_track_plot_04



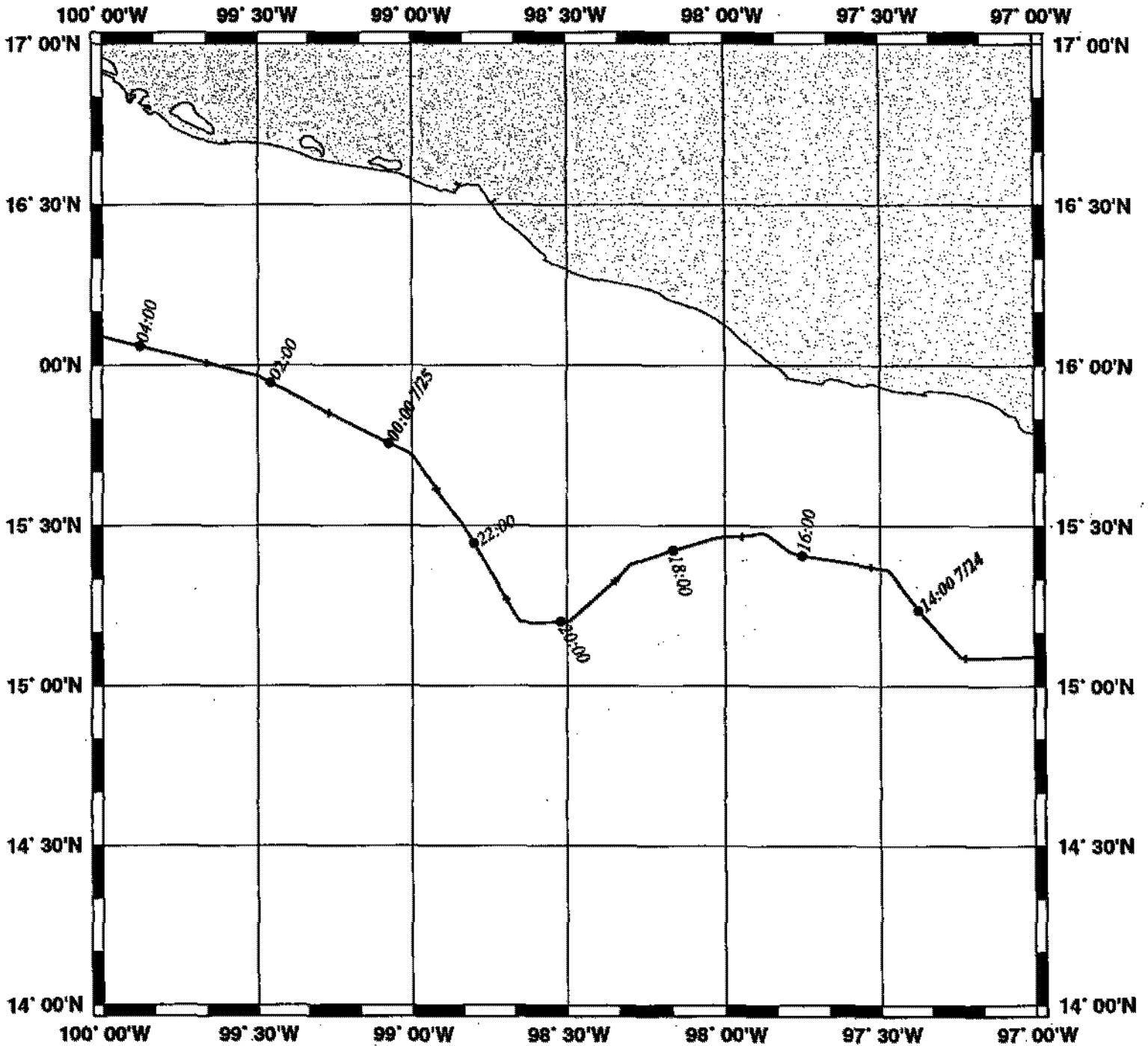
DELV02RR_track_plot_05



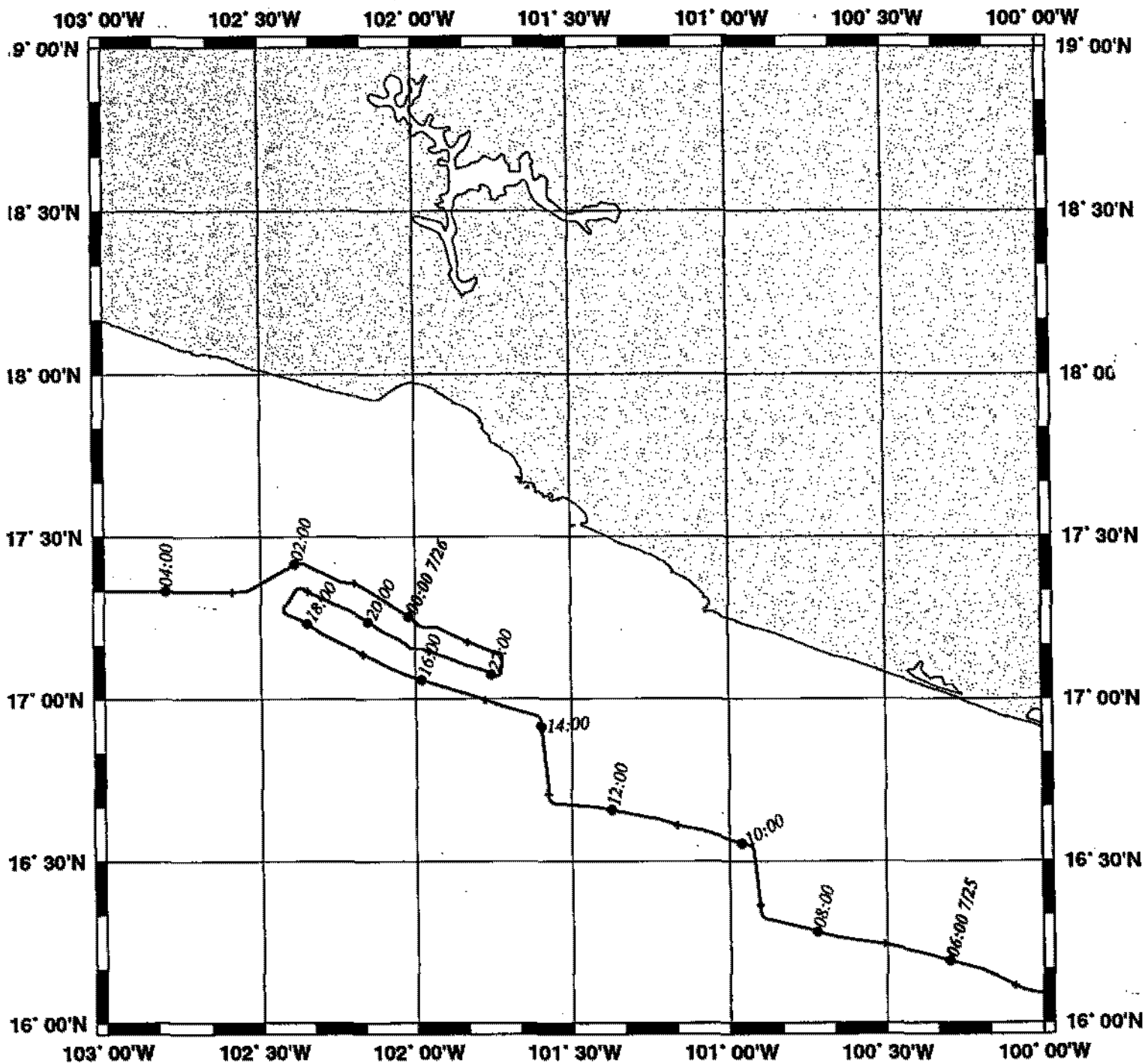
DELV02RR_track_plot_06



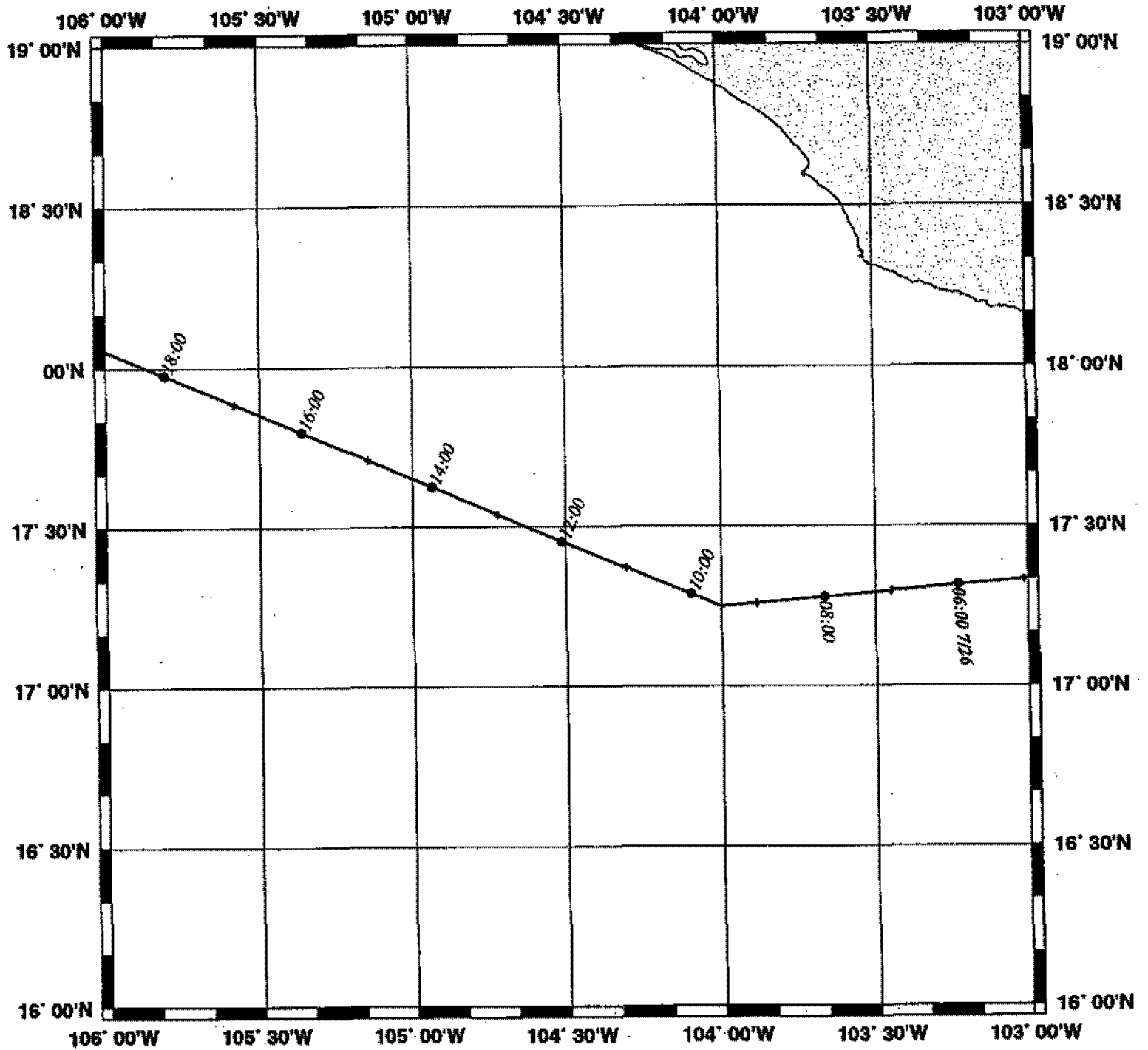
DELV02RR_track_plot_07



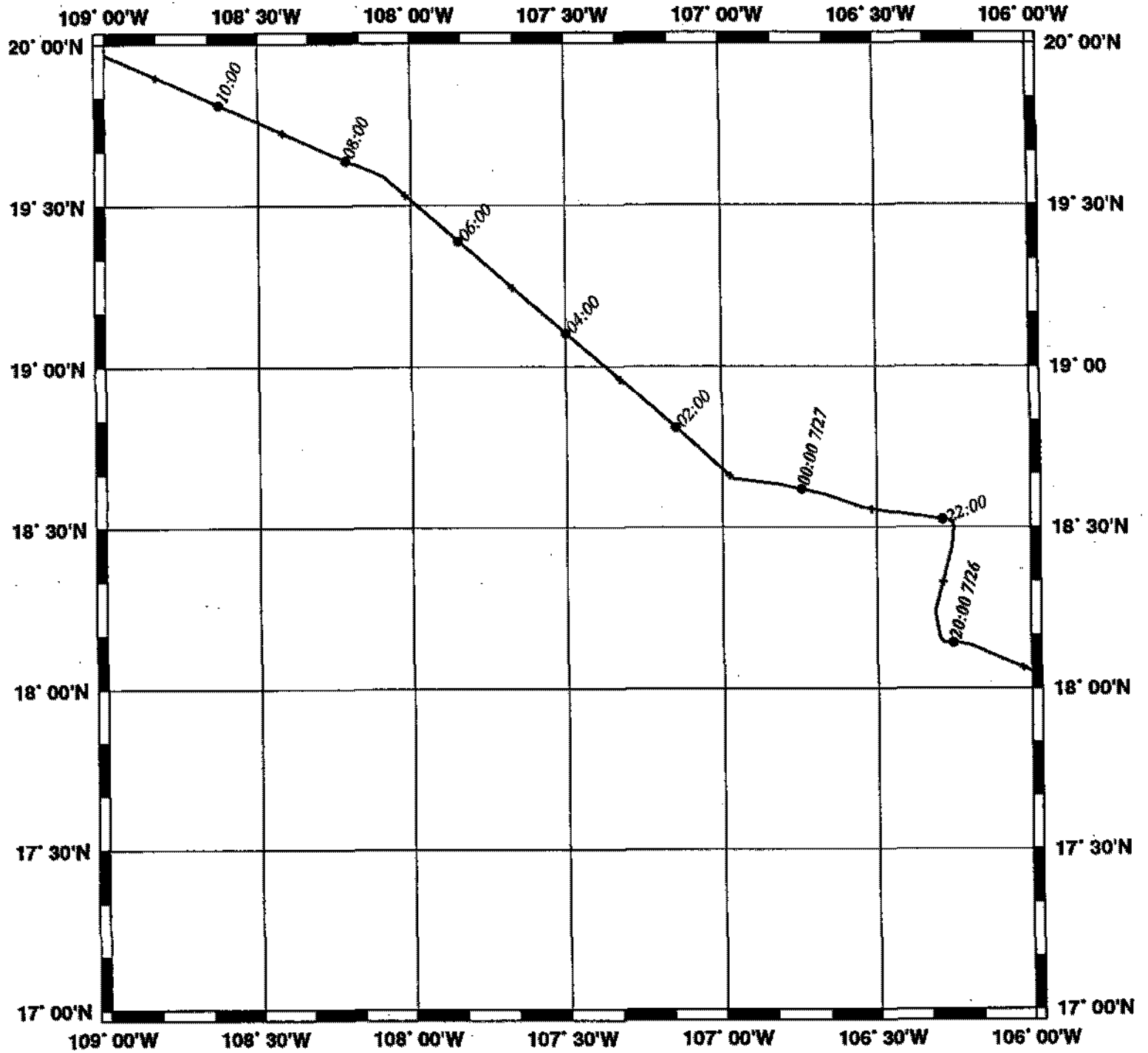
DELV02RR_track_plot_08



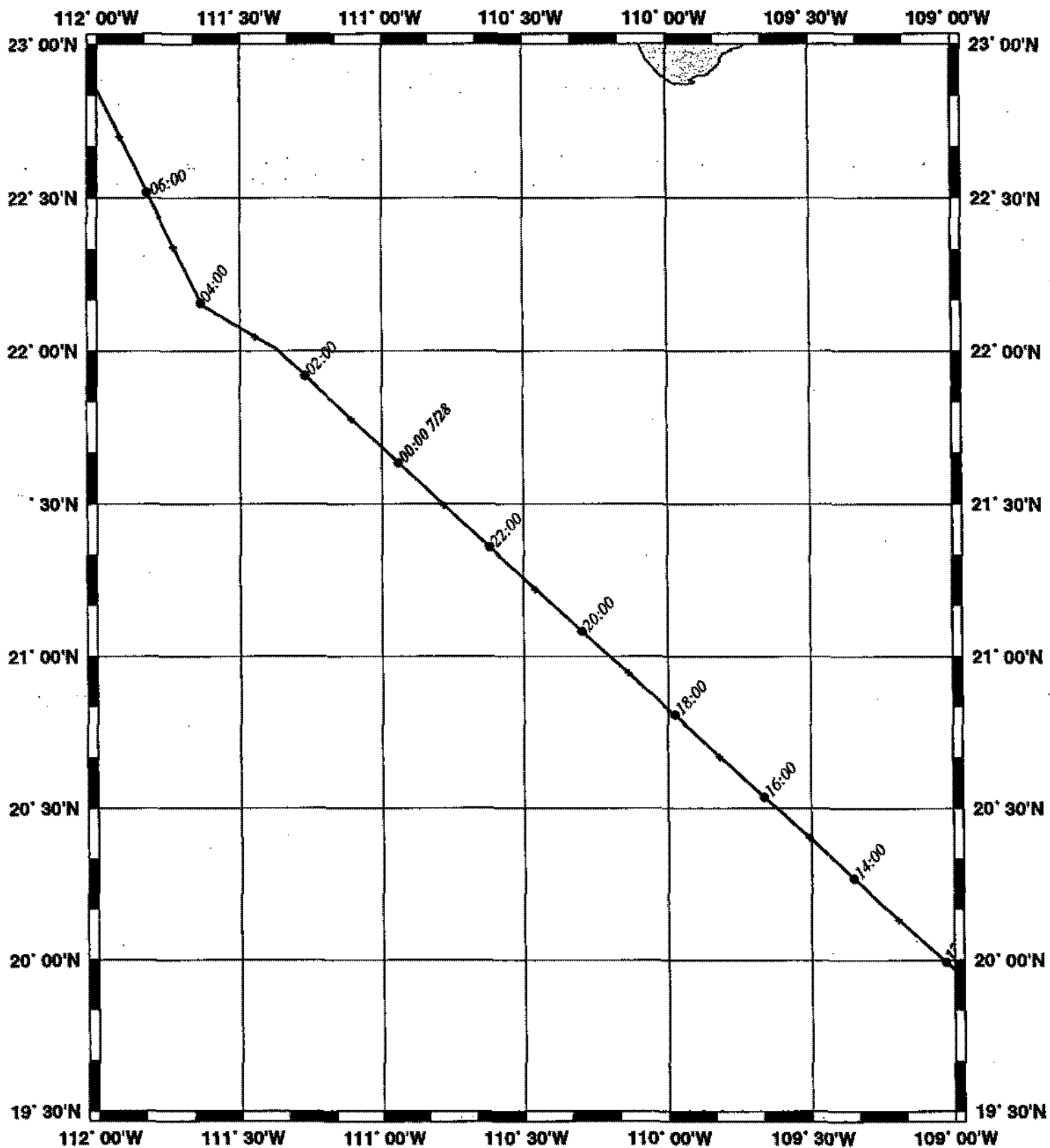
DELV02RR_track_plot_09



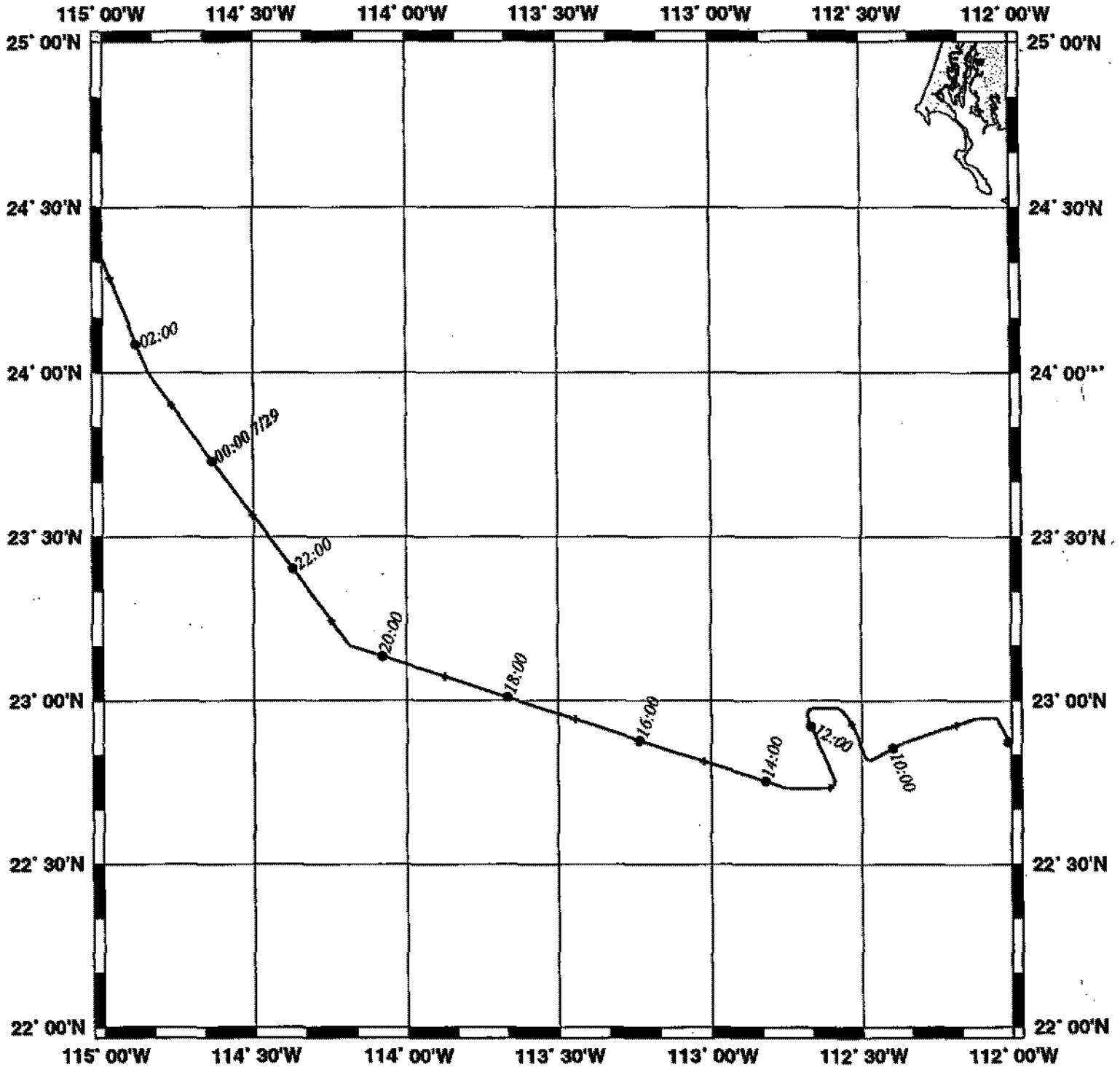
DELV02RR_track_plot_10



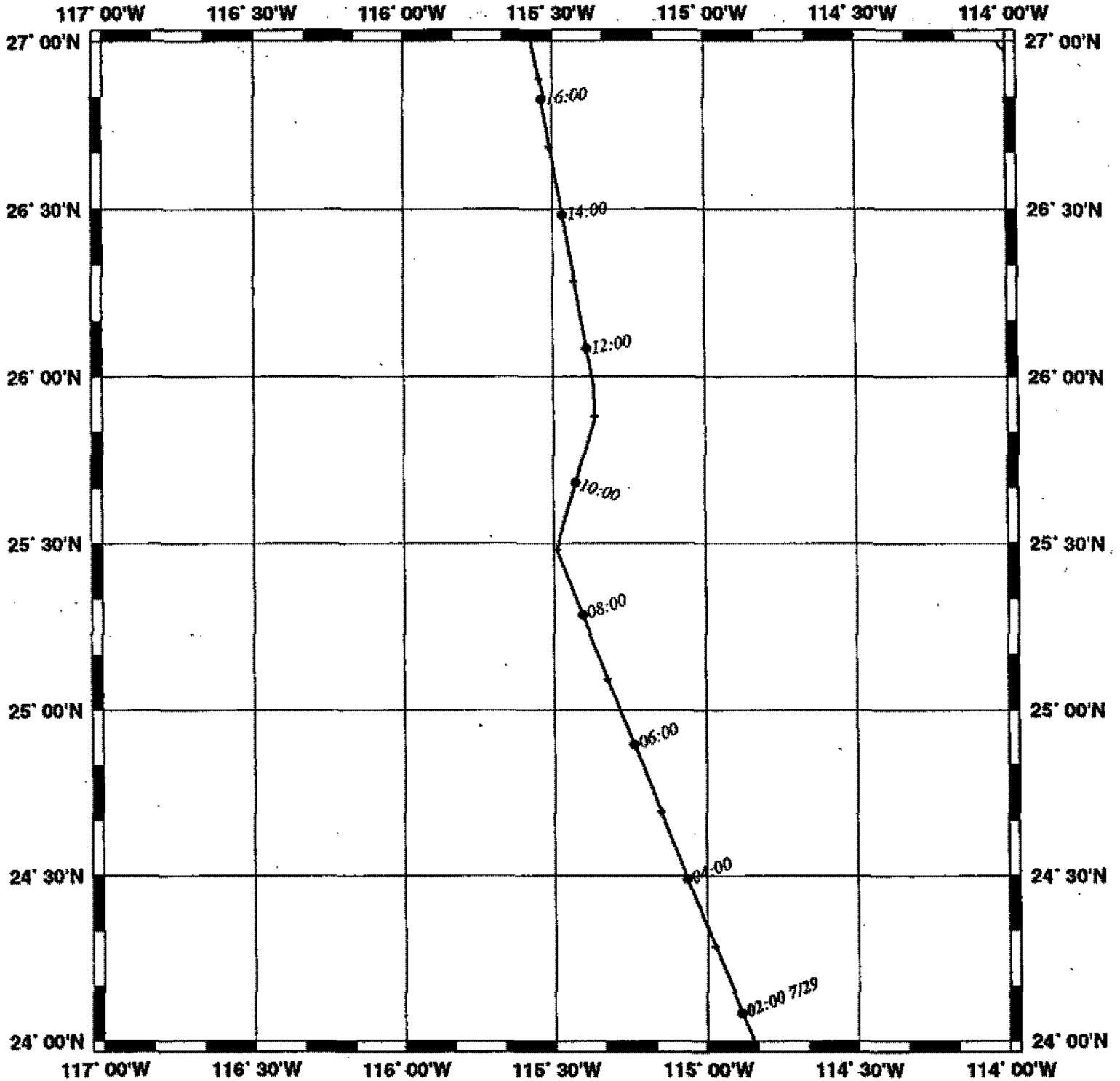
DELV02RR_track_plot_11



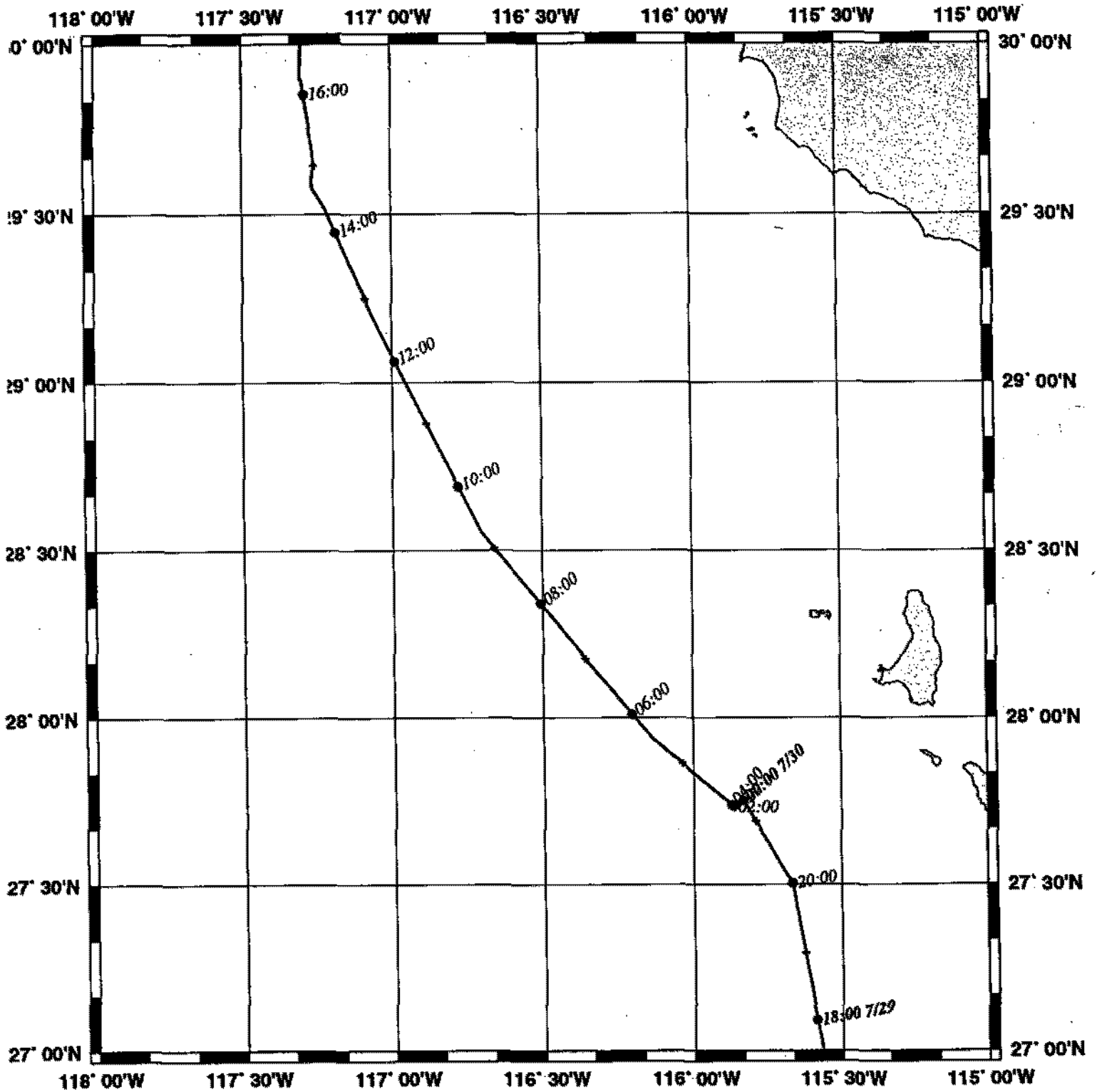
DELV02RR_track_plot_12



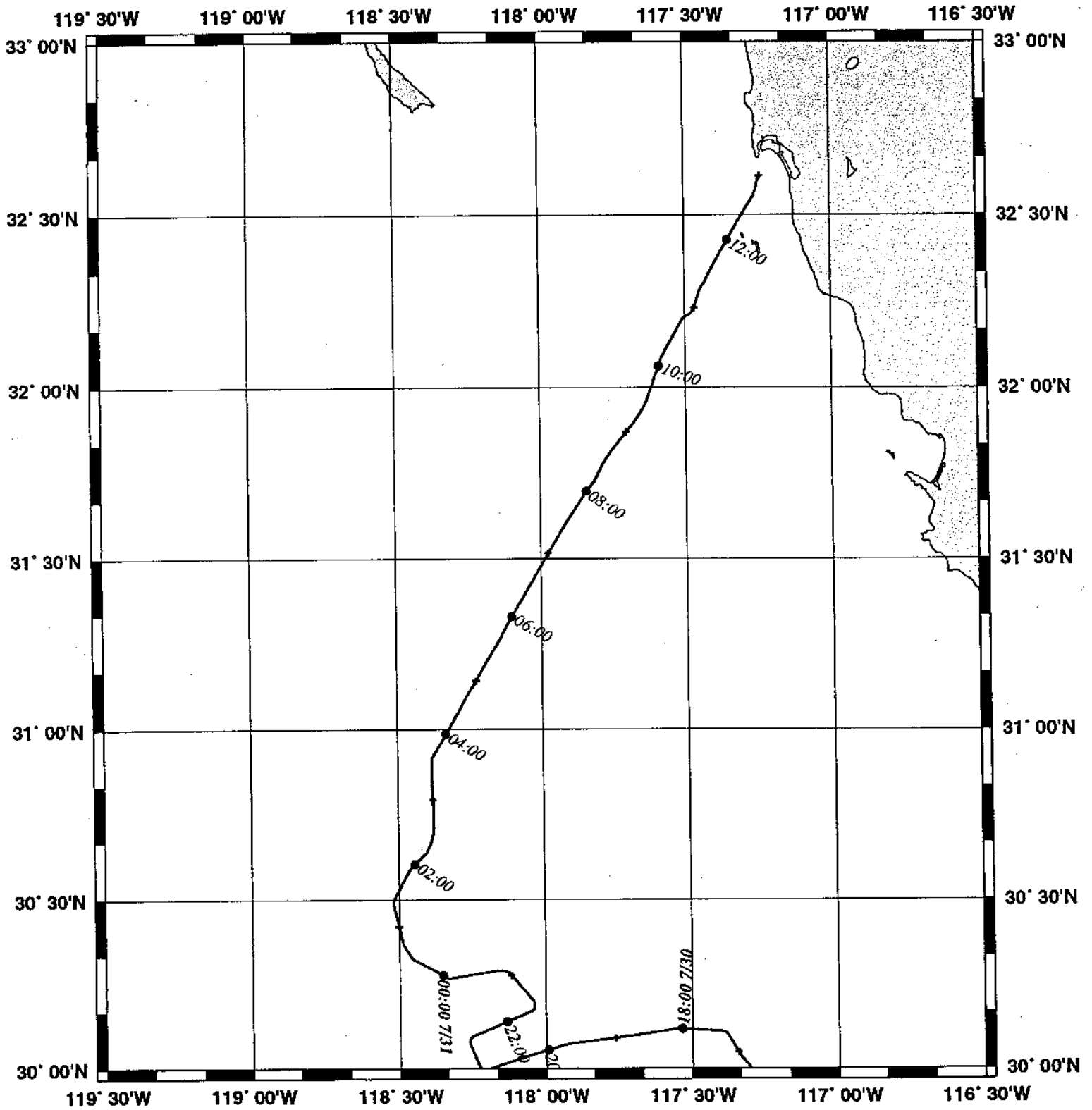
DELV02RR_track_plot_13

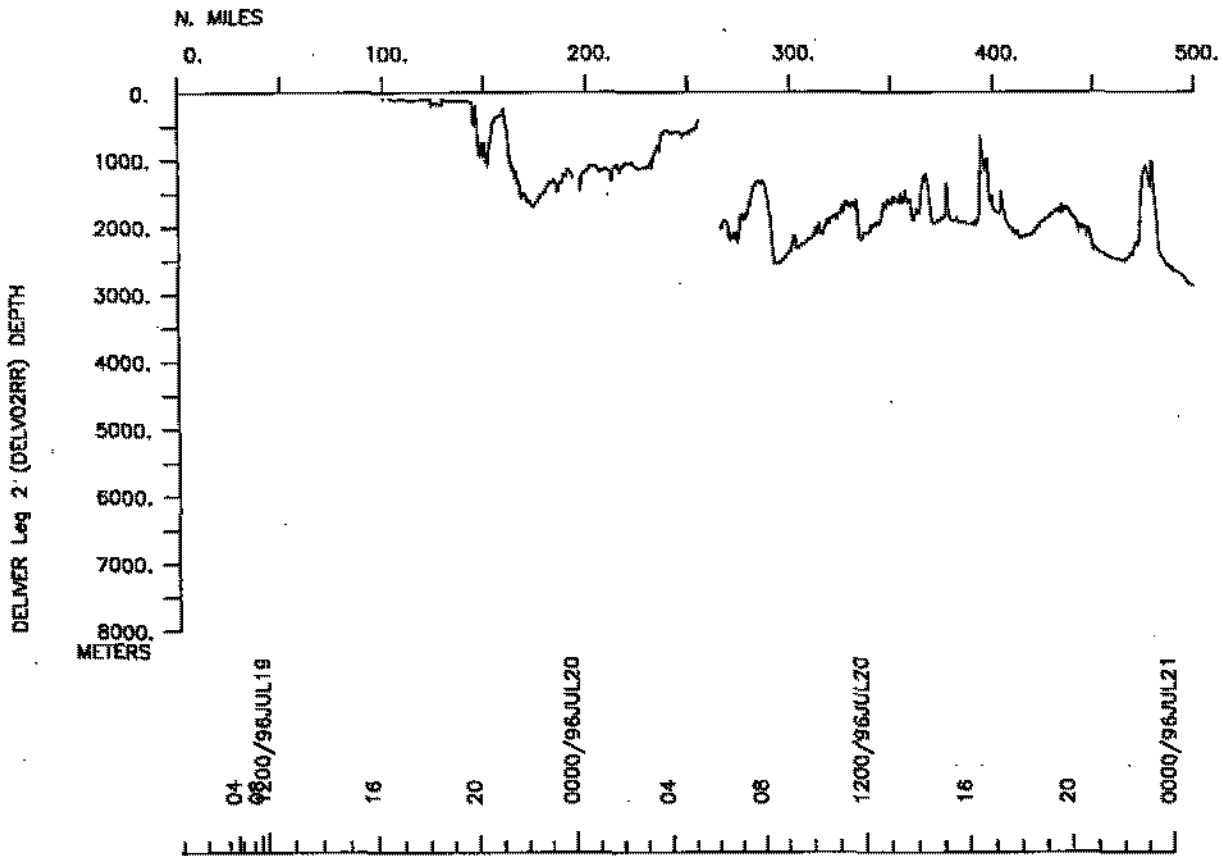
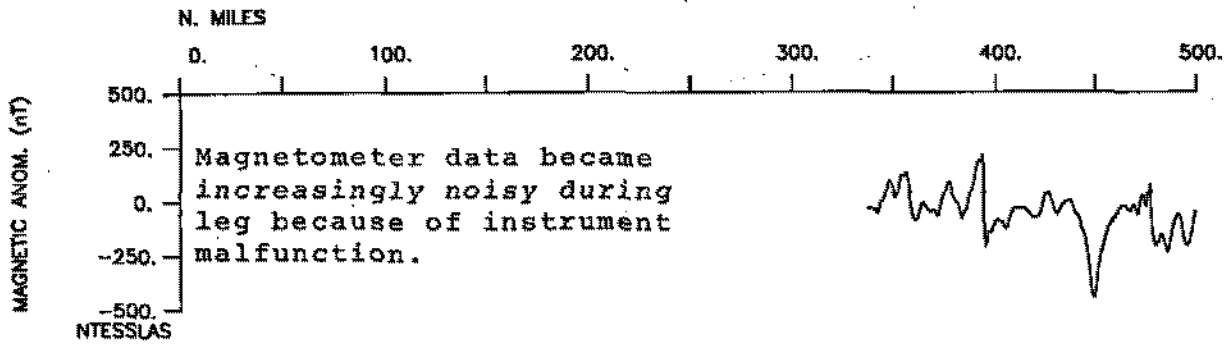
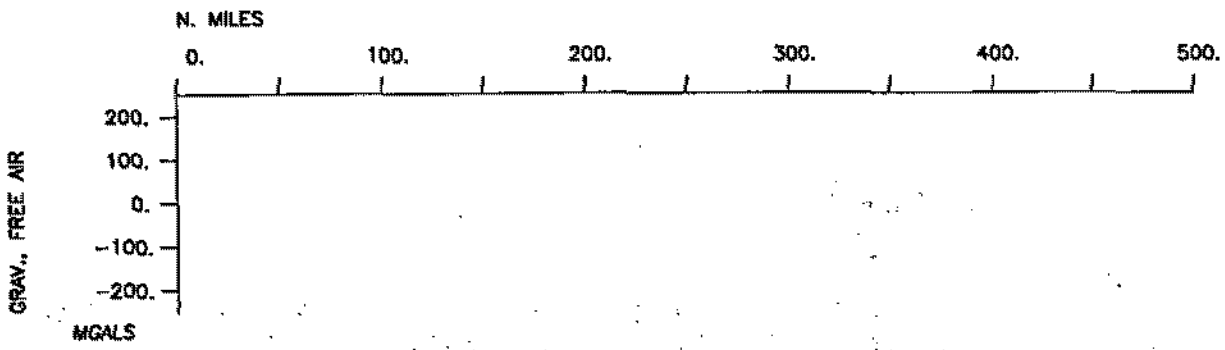


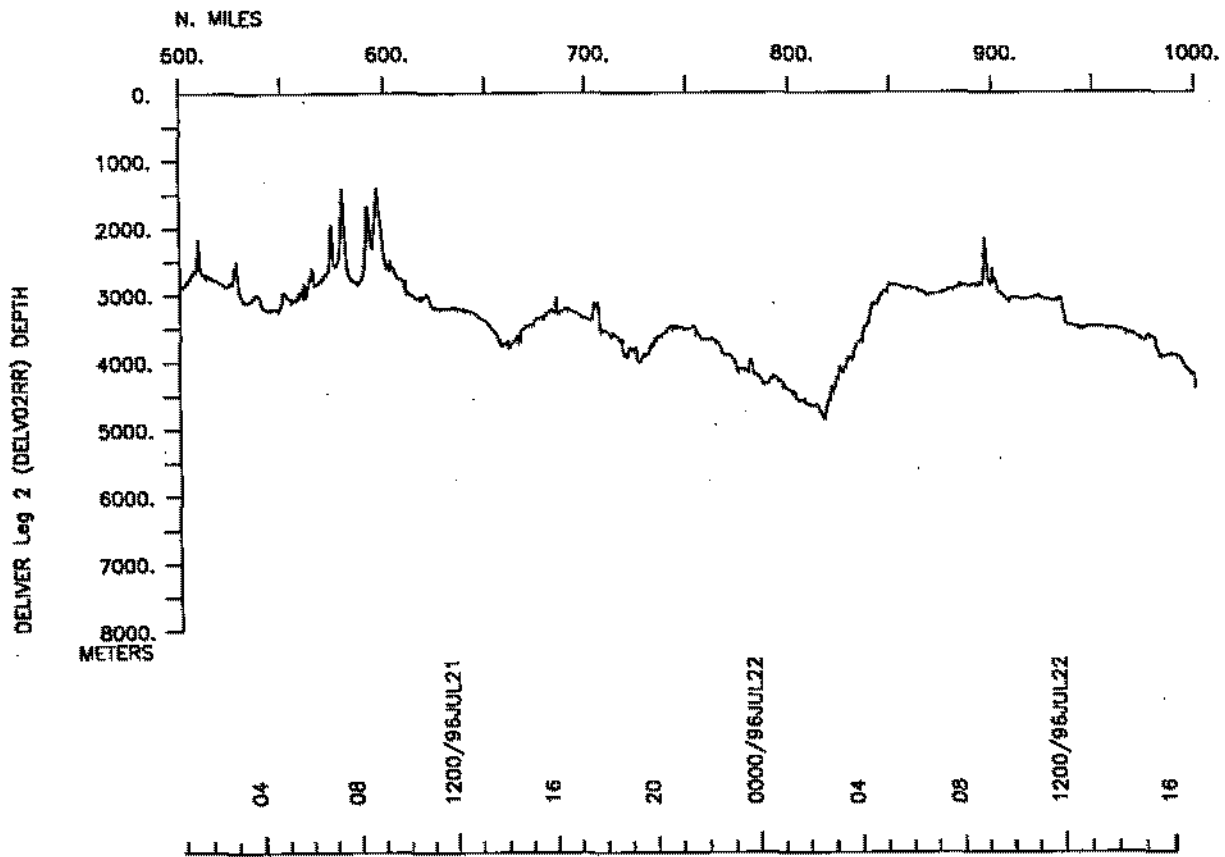
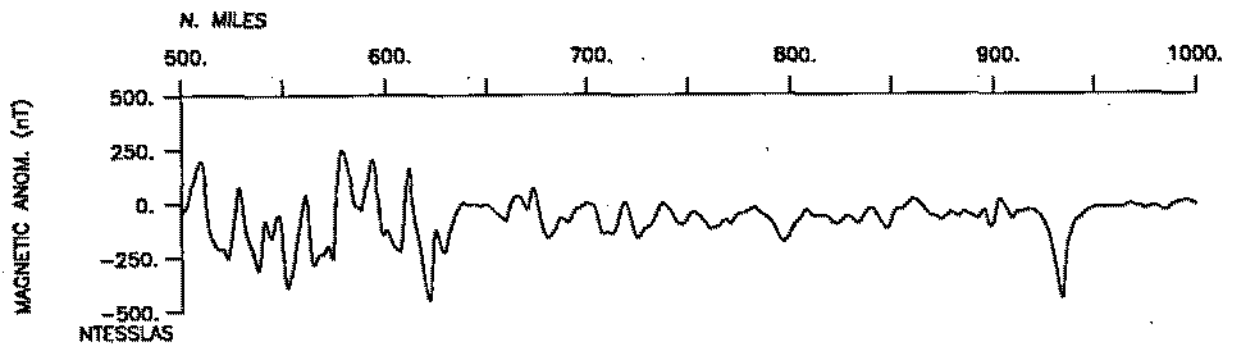
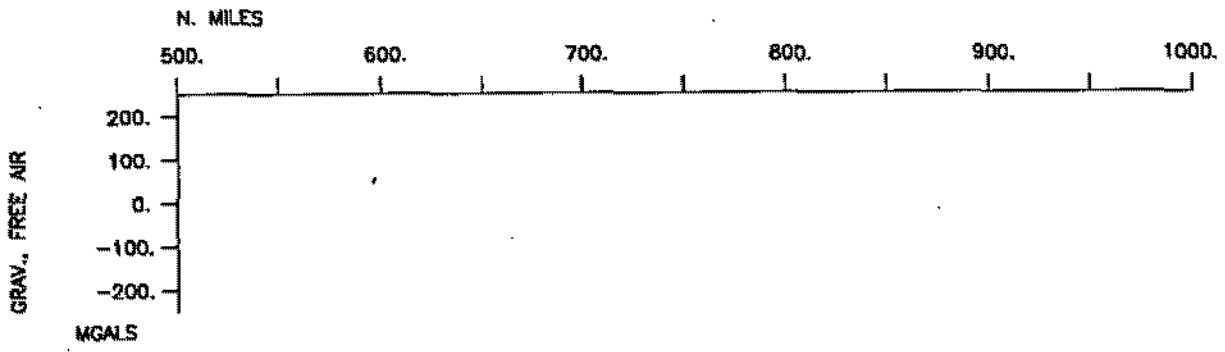
DELV02RR_track_plot_14

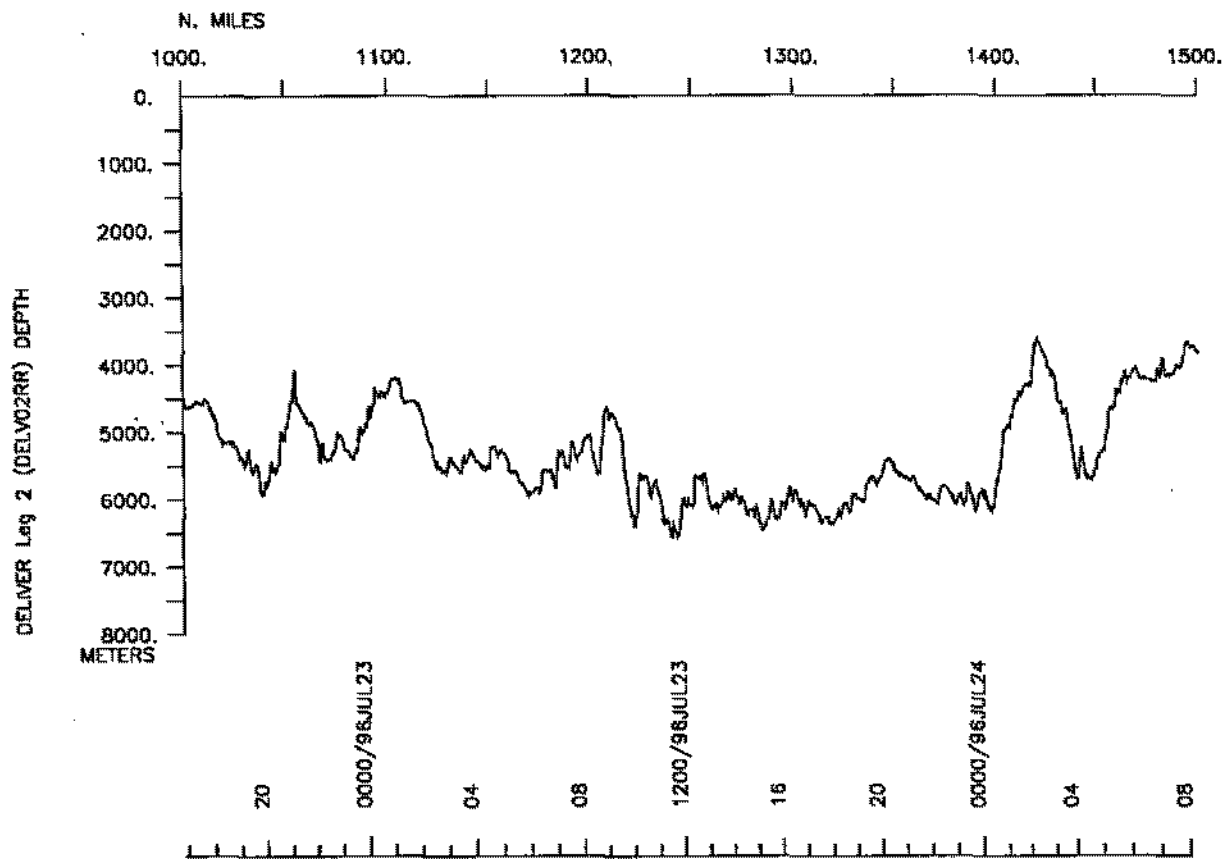
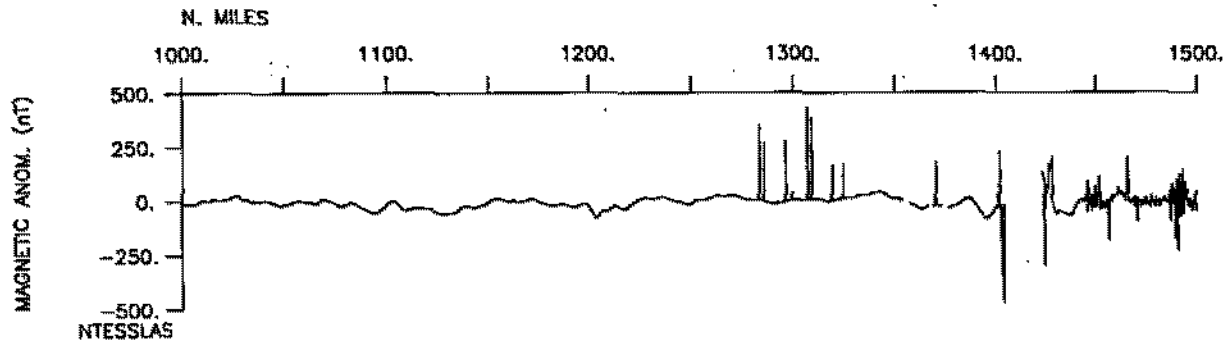
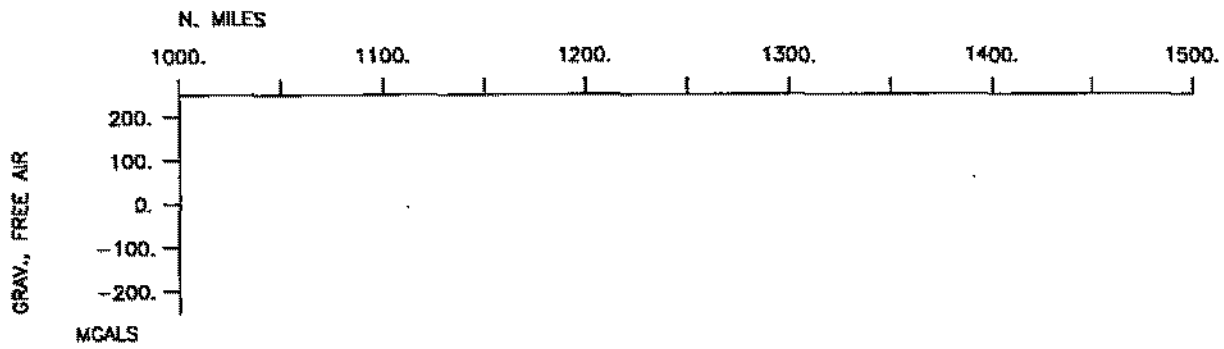


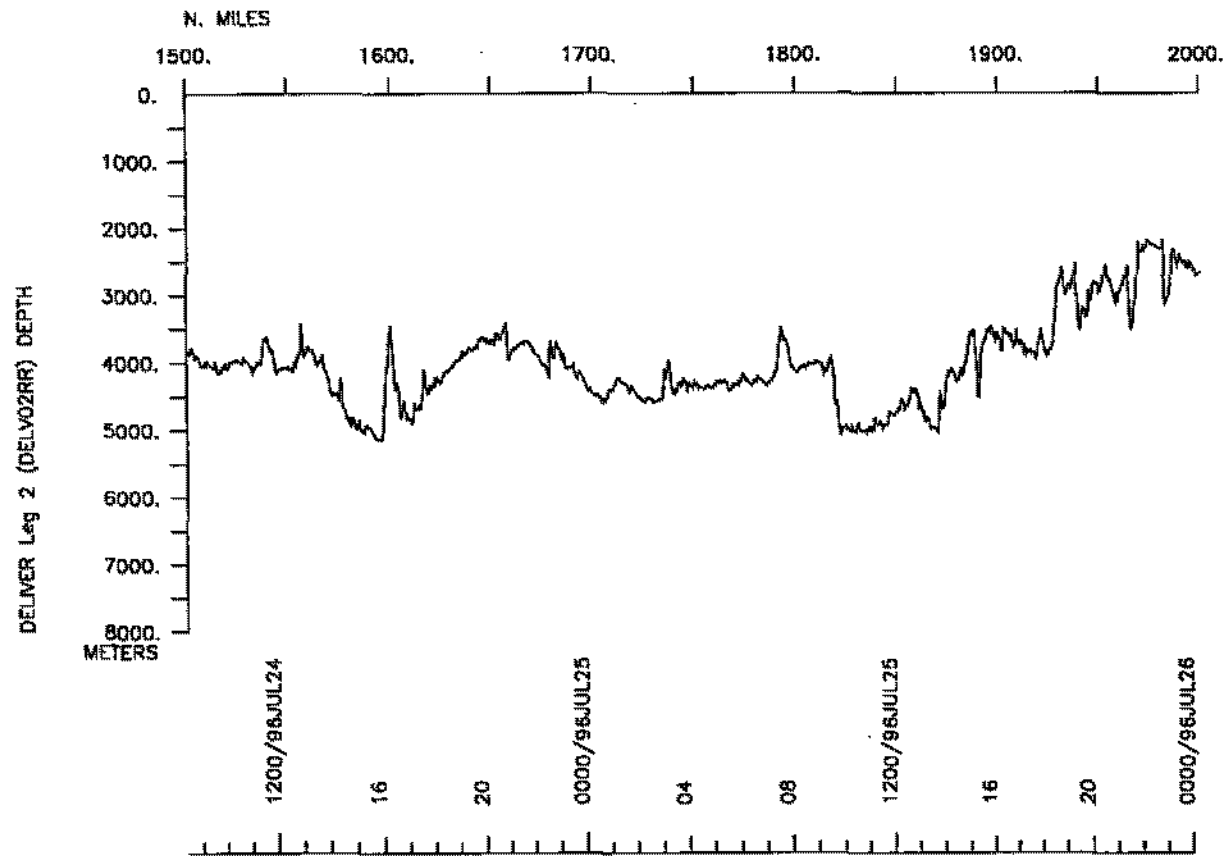
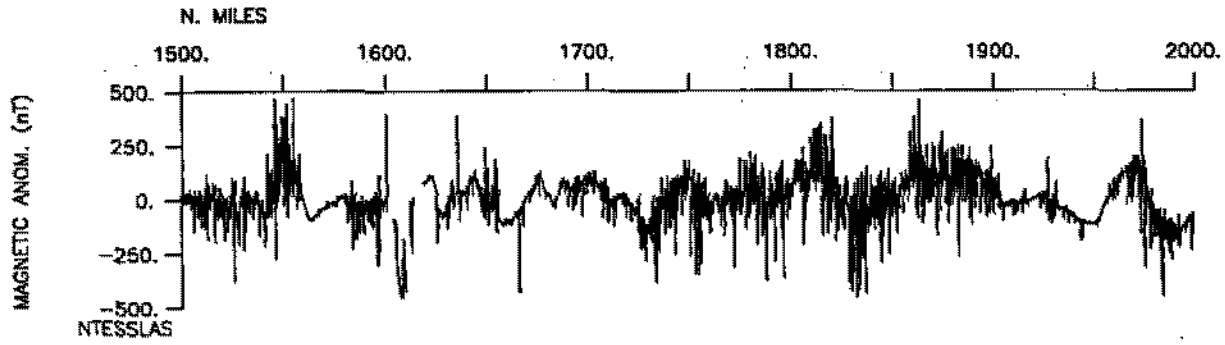
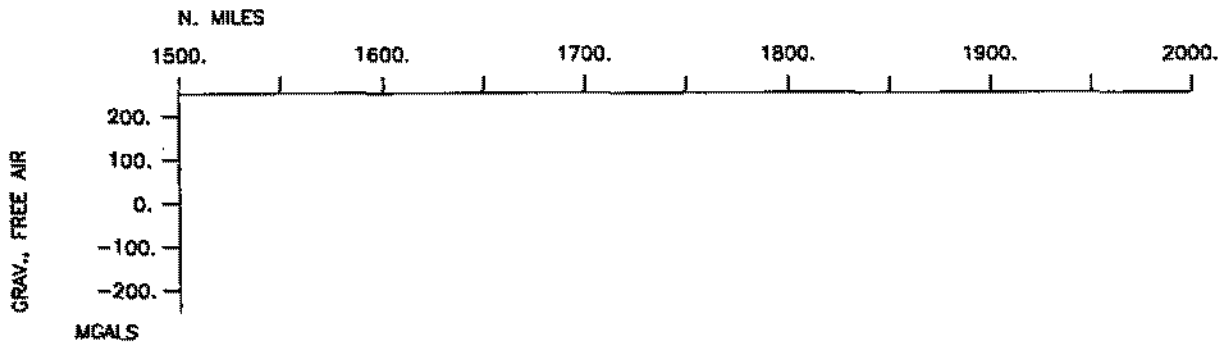
DELV02RR_track_plot_15

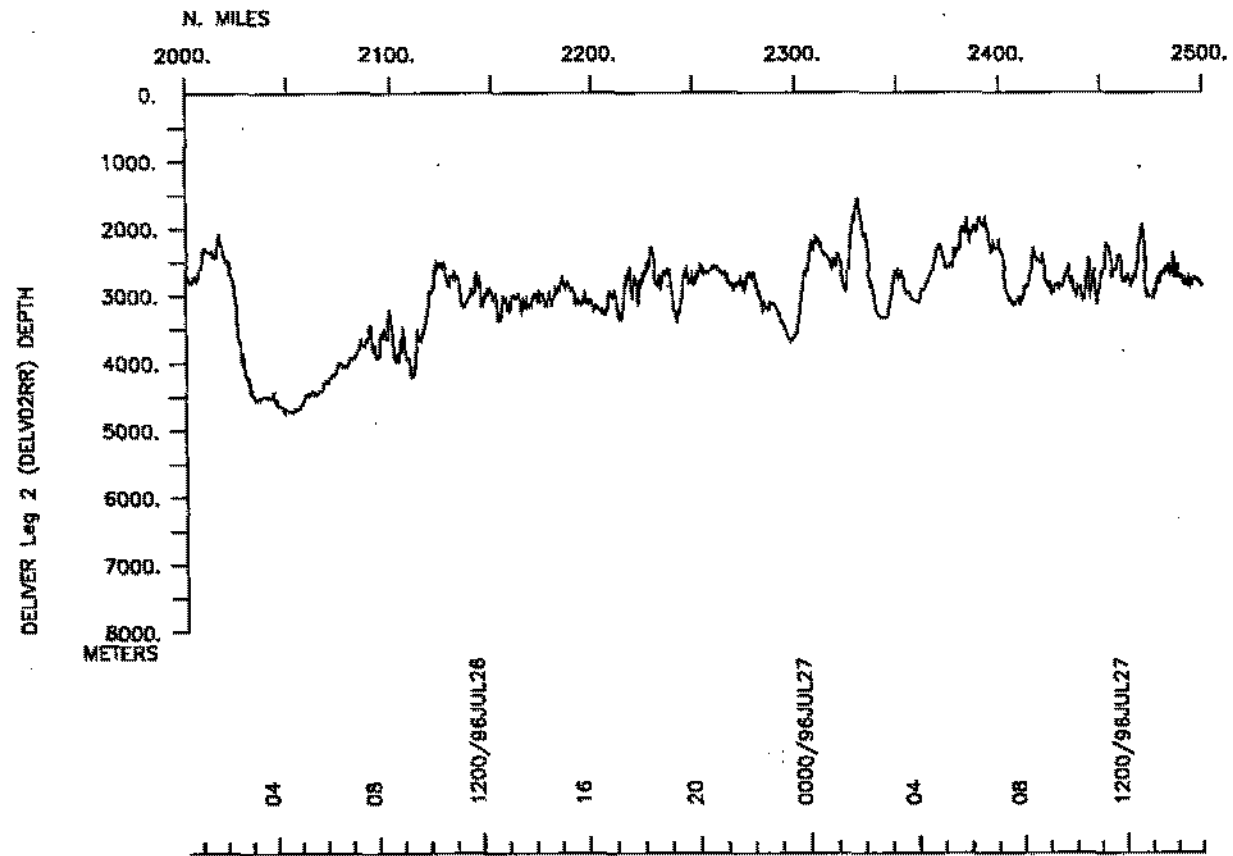
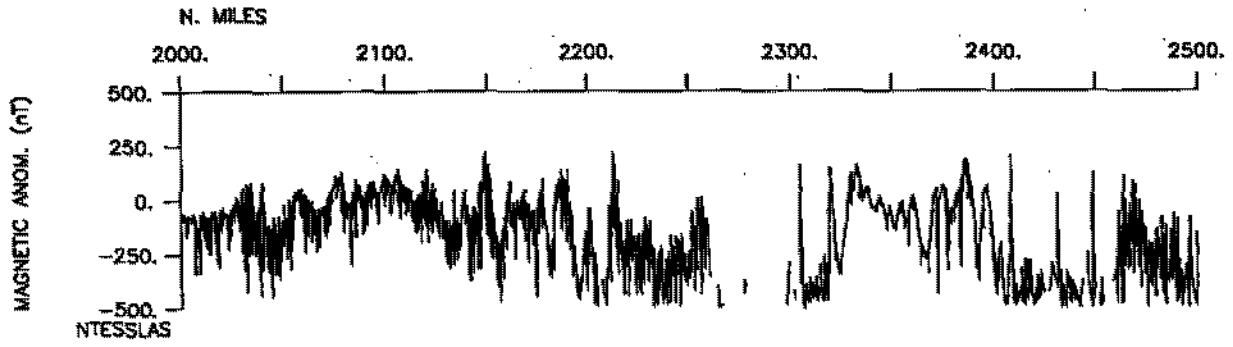
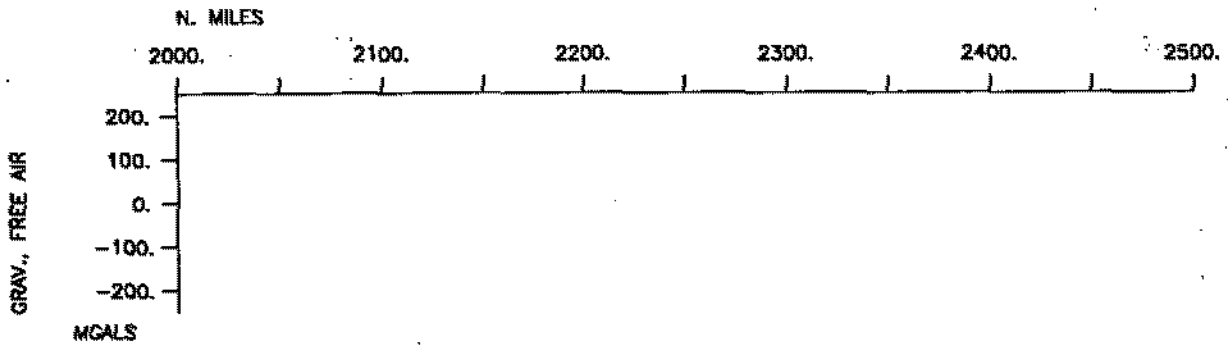


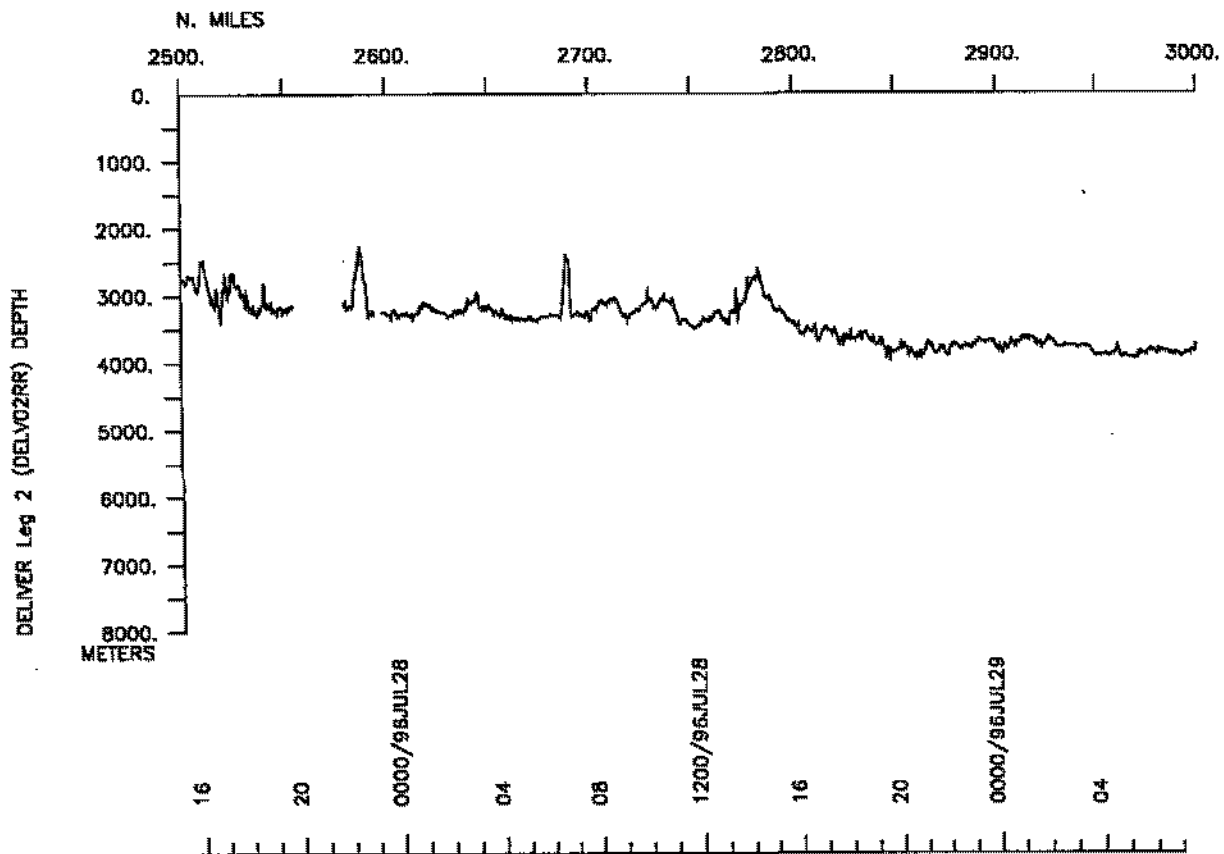
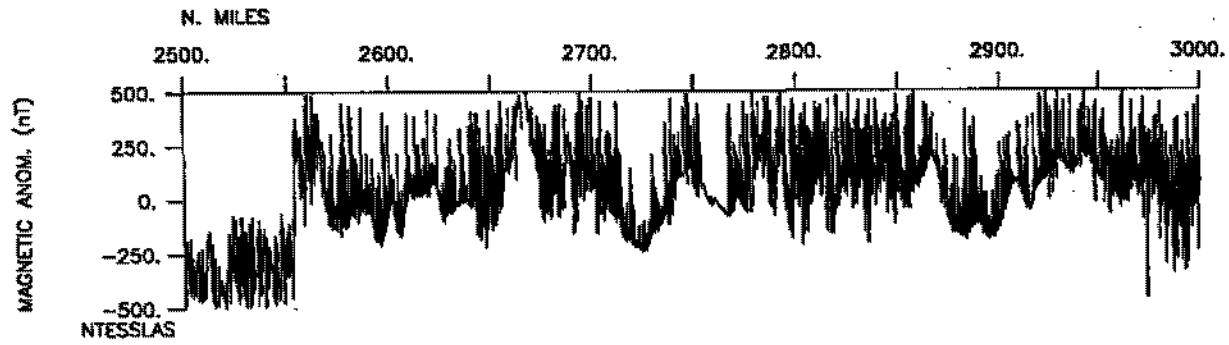
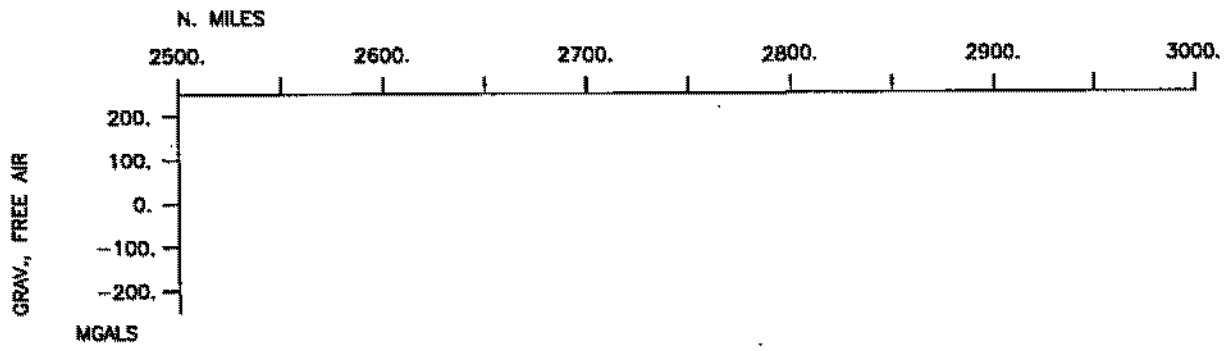


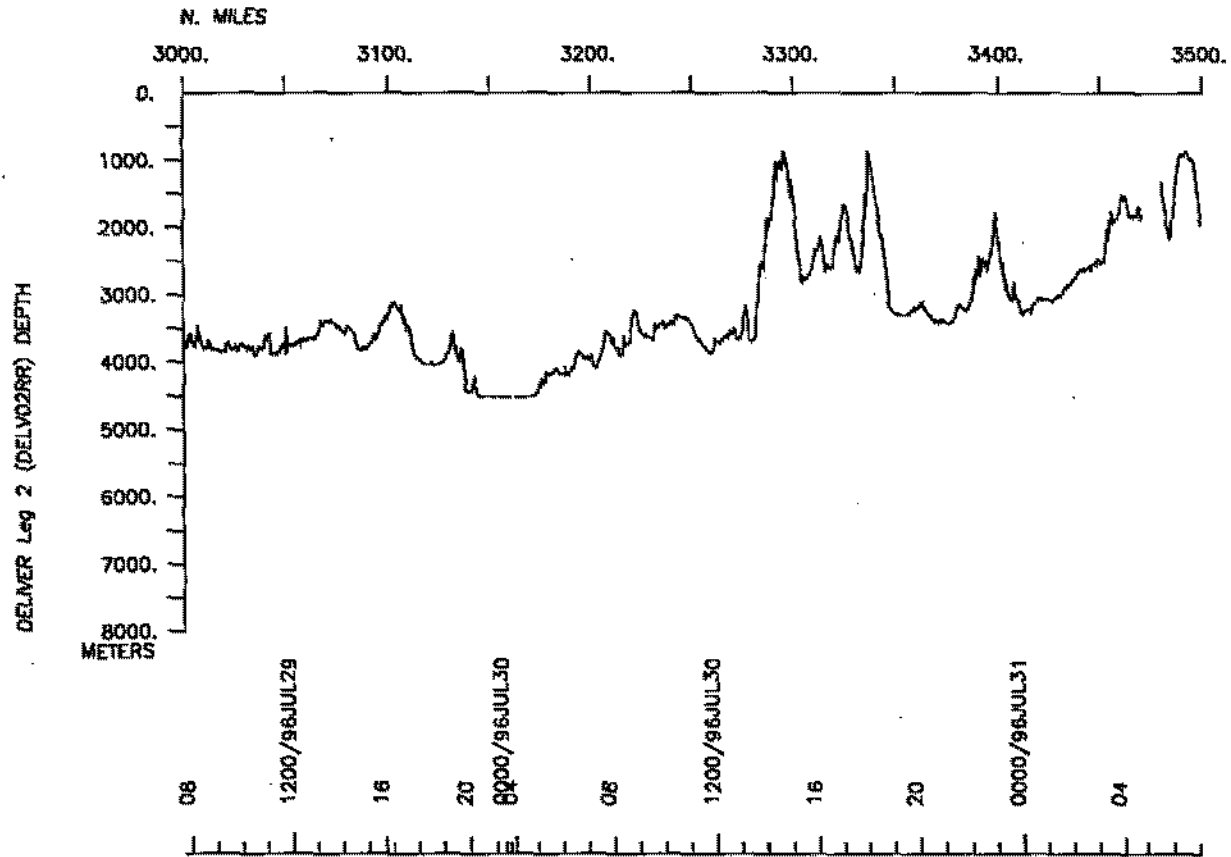
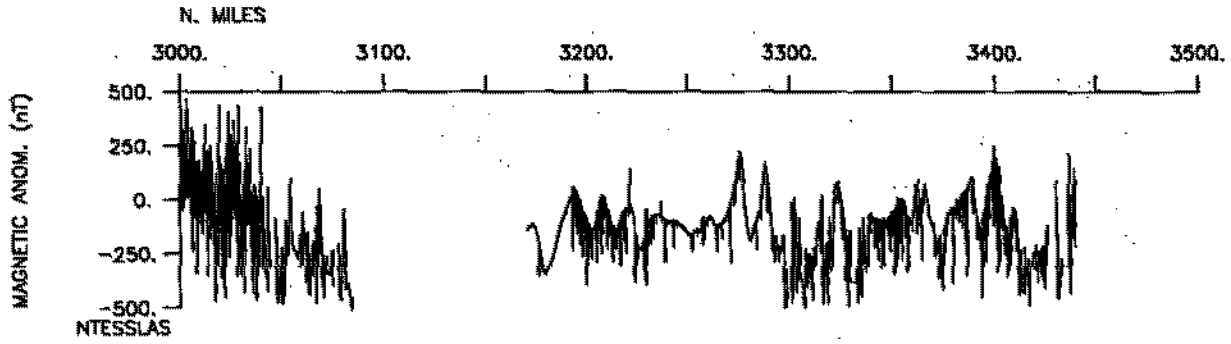
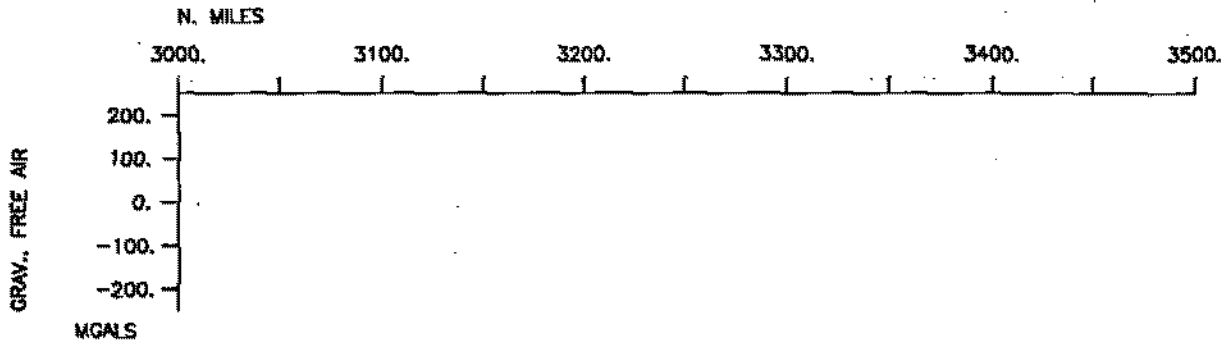


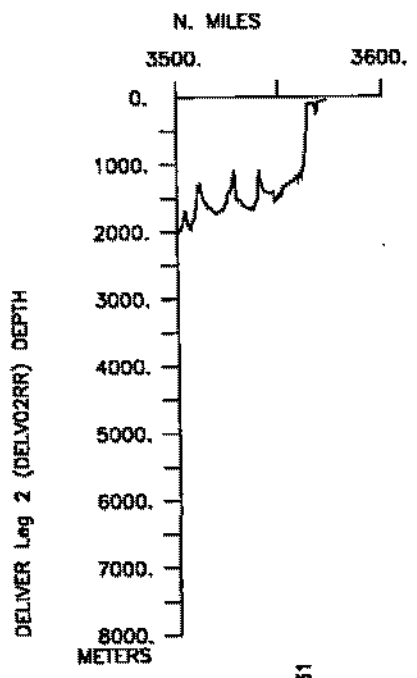
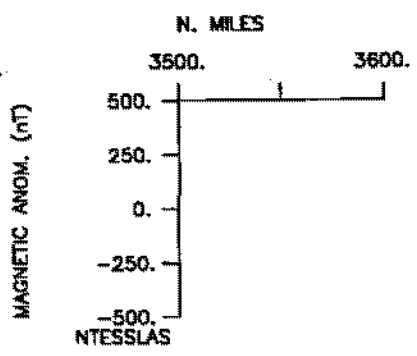
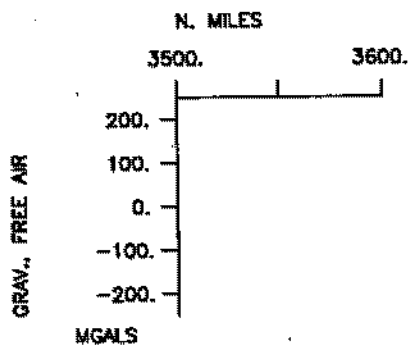












08

1200/96JUL31

S.I.O. SAMPLE INDEX

DELIVERY CRUISE

LEG 2

(DELV02RR)

R/V Revelle

(Issued October 1996)

PORTS:

Balboa, Panama Canal Zone (19 July 1996)
to
San Diego, California (31 July 1996)

Chief Scientist:

Robert Knox - Scripps Institution of Oceanography

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 cods are available from the Geological Data Center.)

GDC CRUISE I.D.# 268

**** Ports ***

1140	190796	LGPT B Balboa, Panama C.Z.	9-21.00N	79-55.00W	f	DELV02RR
1500	310796	LGPT E San Diego, Calif.	32-43.00N	117-11.00W	f	DELV02RR

**** Personnel ***

#	*****NAME*****	*****TITLE*****	*****AFFILIATION*****	**CRID**
PECS	SIO Knox, Dr. R.A.	Chief Scientist	Scripps Institution	DELV02RR
PECS	GRD Fisher, R.L.	Research Scientist	Scripps Institution	DELV02RR
PECS	MPL Lonsdale, P.	Research Scientist	Scripps Institution	DELV02RR
PEXN	MEX Aguayo, C.J.E.	Scientist	Mexico	DELV02RR
PEXN	MEX Sandoval, O.J.H.	Scientist	Mexico	DELV02RR
PEXN	MEX Frias, F.	Scientist	Mexico	DELV02RR
PESP	NOAA Piotrowicz, S.	Observer	Nat.Ocean/Atmos.Adm.	DELV02RR
PESP	FNC Tonchia, H.	Observer	SHOM, France	DELV02RR
PESP	STS deMoustier, Dr. C.	Scientist	Scripps Institution	DELV02RR
PECT	STS Charters, J.	Computer Engineer	Scripps Institution	DELV02RR
PERT	STS Comer, R.L.	Resident Tech.	Scripps Institution	DELV02RR
PESP	MPL Faivre, L.	Staff Res. Assoc.	Scripps Institution	DELV02RR
PEVL	SIO Haines, R.	Volunteer	Scripps Institution	DELV02RR
PECT	STS Moe, R.	Computer Engineer	Scripps Institution	DELV02RR
PESP	MARF Petersen, E.	Project Manager	Scripps Institution	DELV02RR
PEET	STS Skinner, J.	Electronic Tech.	Scripps Institution	DELV02RR
PESP	STS Smith, S.	Seabeam Processor	Scripps Institution	DELV02RR
PESP	STS Sutherland, W.	Manager STS	Scripps Institution	DELV02RR
PESP	SIX White, J.	Halter Represent.	Halter Marine	DELV02RR

**** 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.

#GMT	DDMMYY	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 ***										
1407	200796	0	LEUW	B Underway watch log	GDC	8-09.44N	83-13.35W	g		DELV02RR
1500	310796	0	LEUW	E Underway watch log	GDC	32-42.40N	117-14.17W	g		DELV02RR
#*** Sea Beam 2100 Records (vertical beam and sidescan) ***										
# vertical beam & sidescan record r-01 covers both DELV01RR & DELV02RR DELV02RR										
# (record begin: 2205Z110796; record end: 1221Z310796) DELV02RR										
1140	190796	0	MBSR	C v.beam&sidescan r-01	GDC	8-53.64N	79-30.37W	g		DELV02RR
1221	310796	0	MBSR	E v.beam&sidescan r-01	GDC	32-29.68N	117-18.21W	g		DELV02RR
#*** Echo Sounder Records ***										
#*** Combined 3.5 & 12 kHz 12 inch wide printer paper record from DELV02RR										
#*** Bathy200 echosounder DELV02RR										
1407	200796	0	DPR3	B bathy2000 r-01	GDC	8-09.44N	83-13.35W	g		DELV02RR
0000	310796	0	DPR3	E bathy2000 r-01	GDC	30-16.50N	118-20.92W	g		DELV02RR
#*** Magnetics (Earth Total Field) Records ***										
1208	200796	0	MGRA	B magnetics r-01	GDC	7-48.60N	82-59.89W	g		DELV02RR
0227	290796	0	MGRA	E magnetics r-01	GDC	24-10.48N	114-55.50W	g		DELV02RR
0233	290796	0	MGRA	B magnetics r-02	GDC	24-11.68N	114-56.06W	g		DELV02RR
0411	310796	0	MGRA	E magnetics r-02	GDC	31-01.15N	118-18.56W	g		DELV02RR
#*** End Sample Index DELV02RR										