

Report and Index of
Underway Marine Geophysical Data
DELIVERY CRUISE
LEG 1
(DELV01RR)
R/V REVELLE
(Issued October 1996)

Ports:

Pascagoula, Mississippi (8 July 1996)
to
Balboa, Panama Canal Zone (19 July 1996)

Chief Scientist:

Robert Knox - Scripps Institution of Oceanography

Resident Marine Technician - Robert Wilson

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

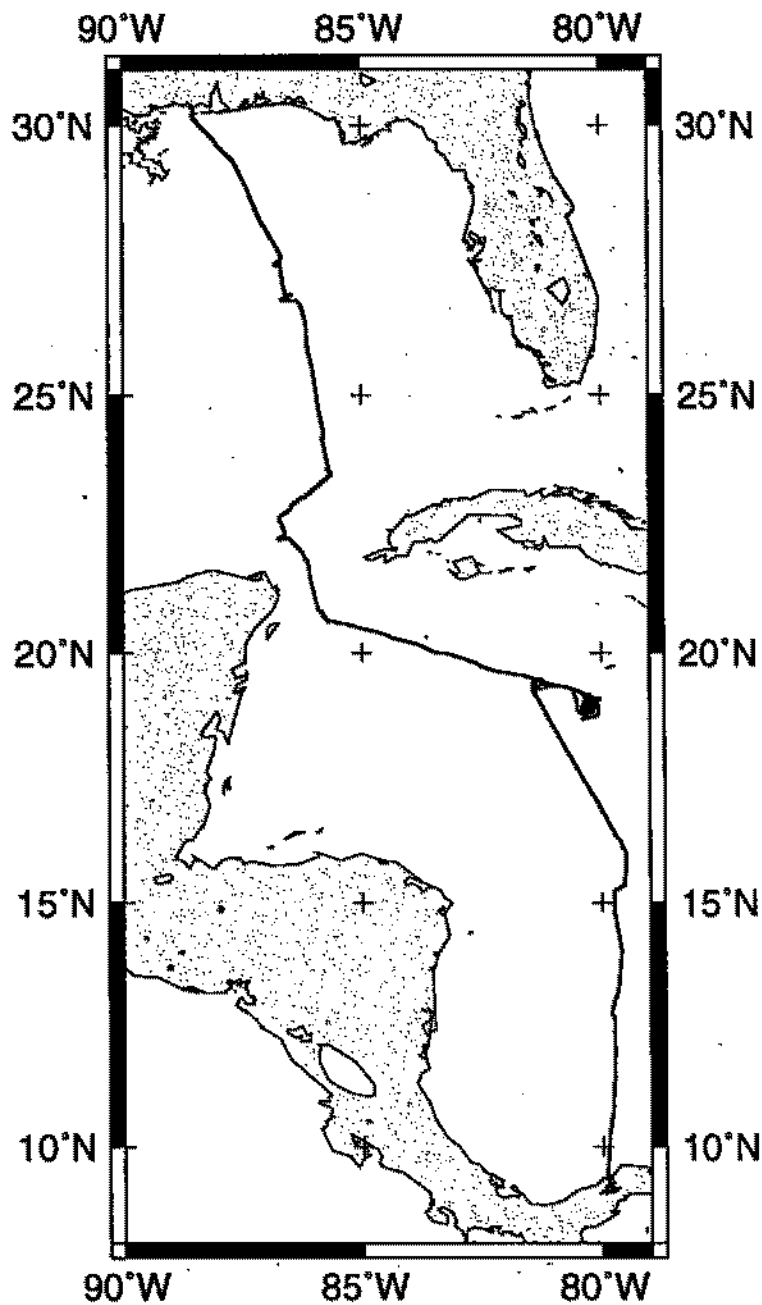
1. Files on Exabyte or DAT:
 - a) Separate time series ASCII files of navigation, single beam depth, gravity and magnetics.
 - b) These same data in a merged ASCII file in the MGD77 Exchange Format.
 - c) SeaBeam depth data (binary, Sun byte order) in SIO Swath Bathymetry Format. (*)
 - d) SeaBeam Sidescan 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 1

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 - 2248 miles

Magnetics - none collected

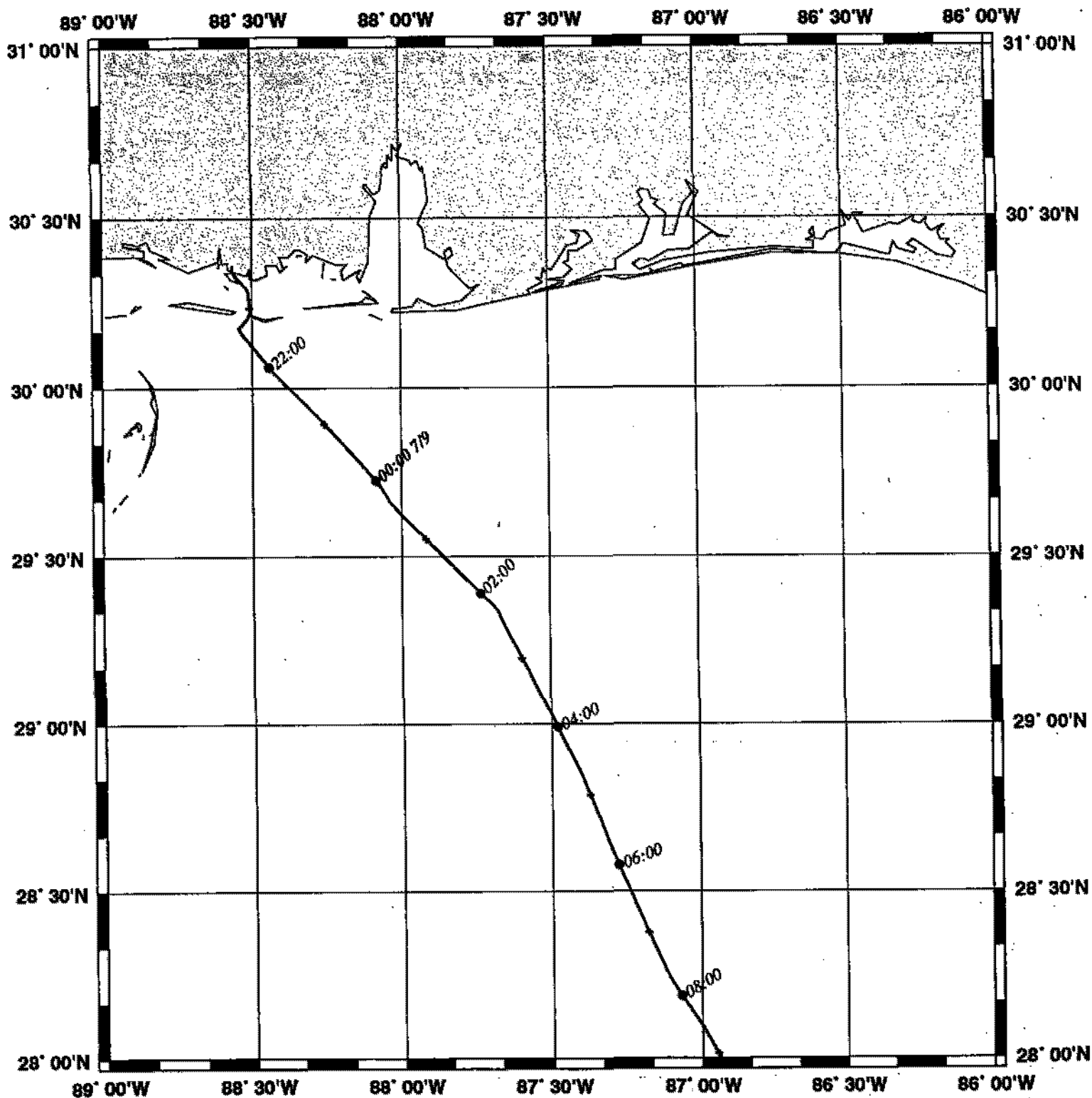
Bathymetry - 1147 miles

Seismic Reflection - none collected

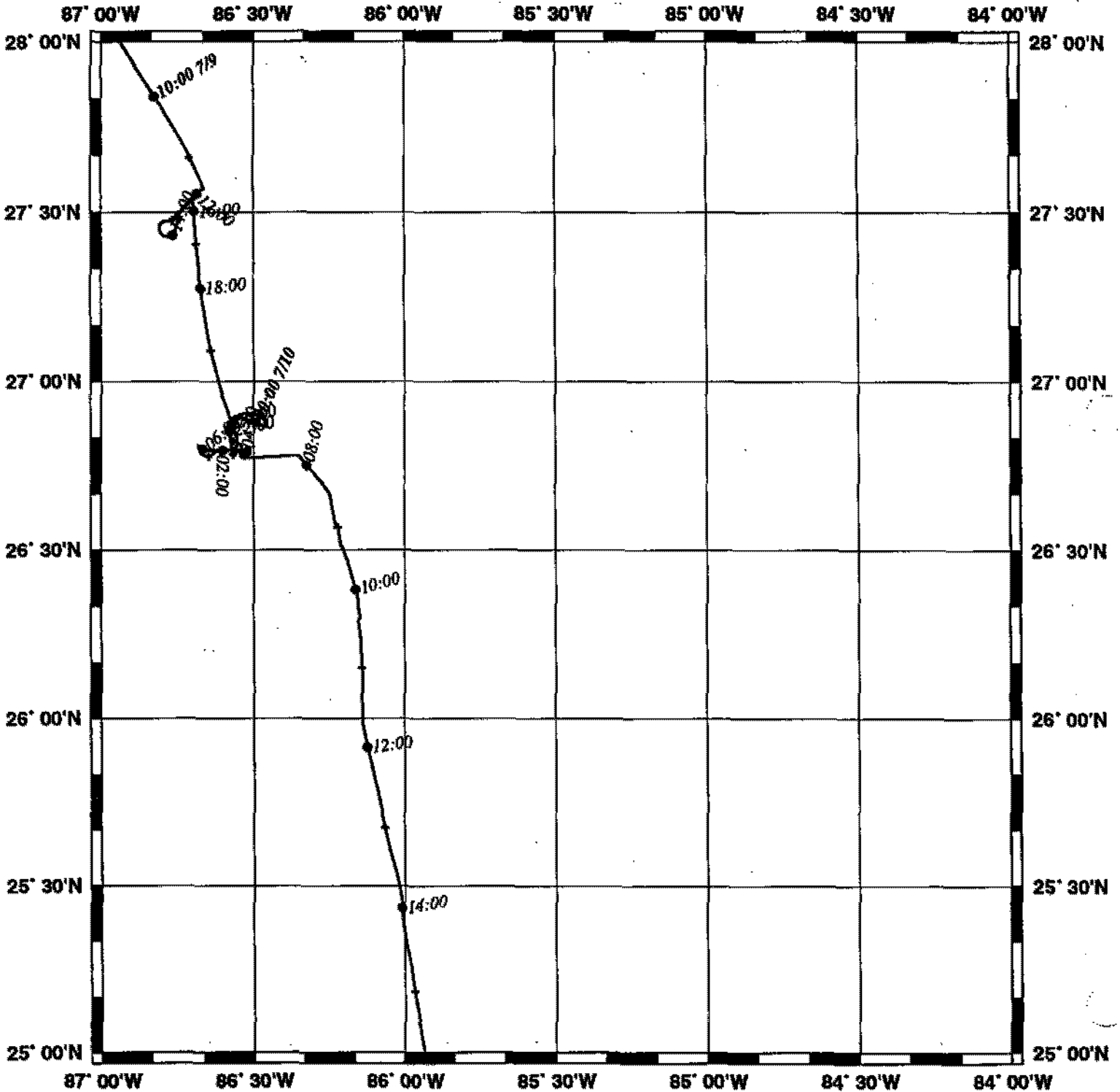
Sea Beam - 1147 miles

Gravimetry - none collected

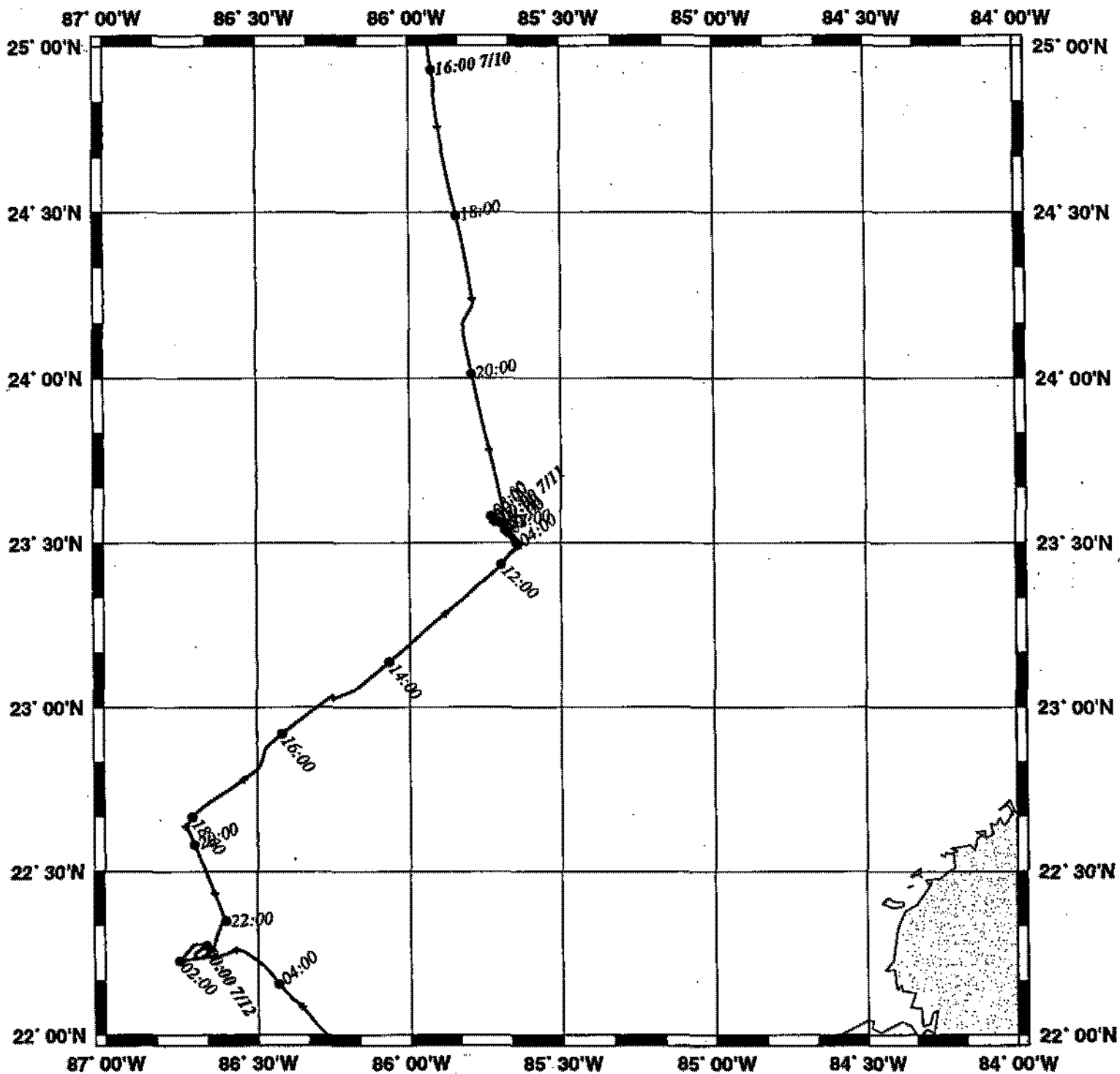
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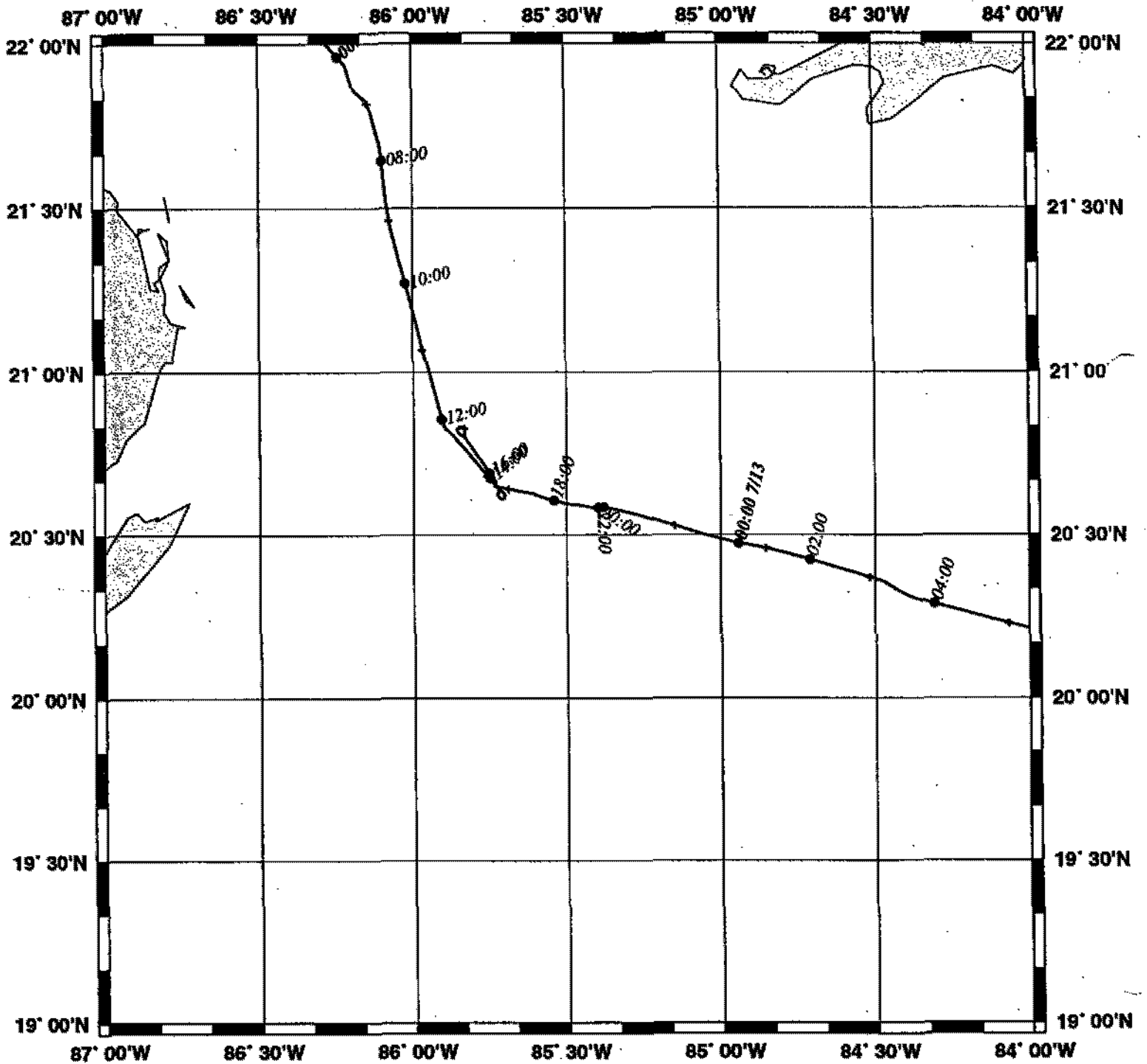
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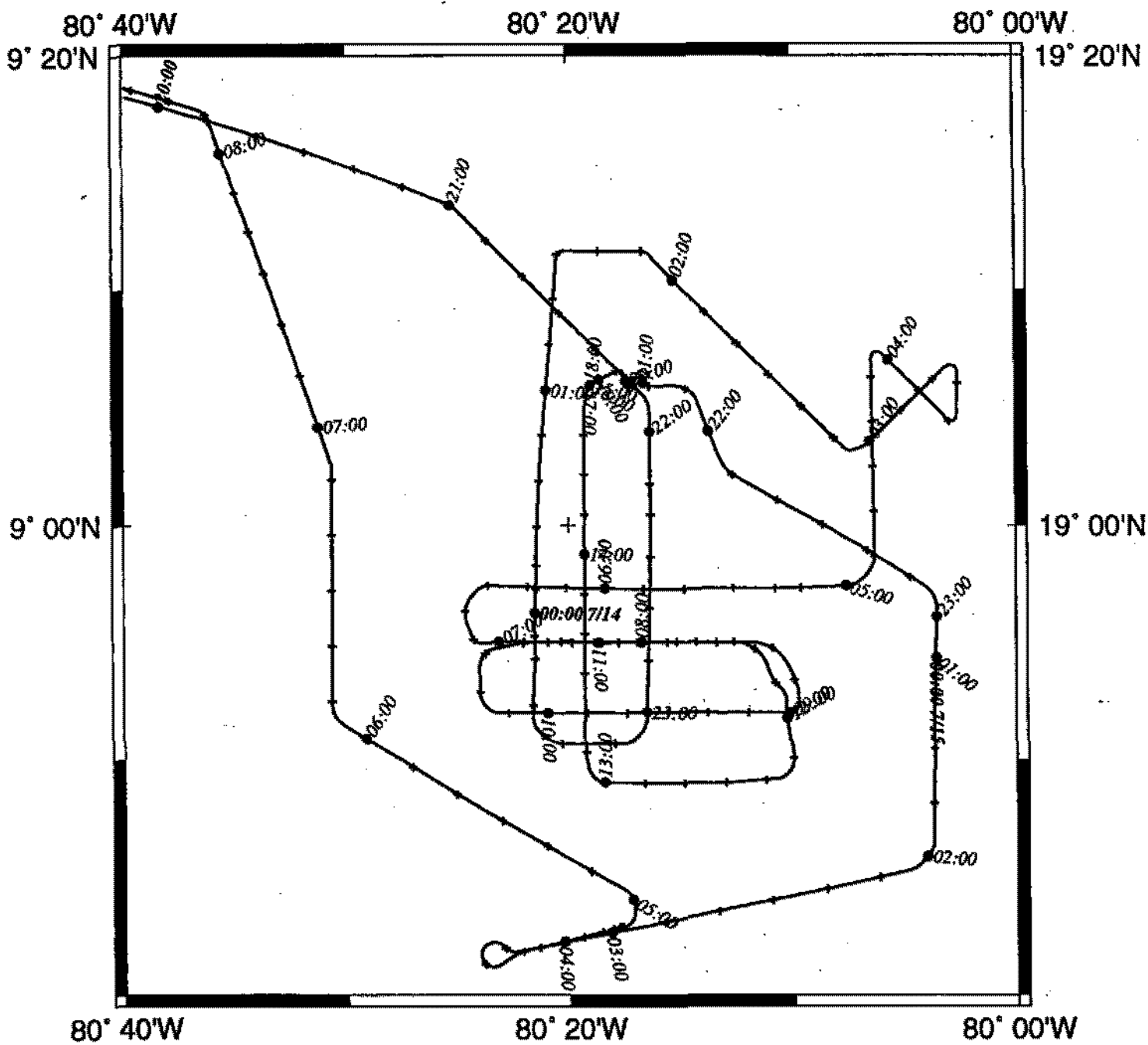
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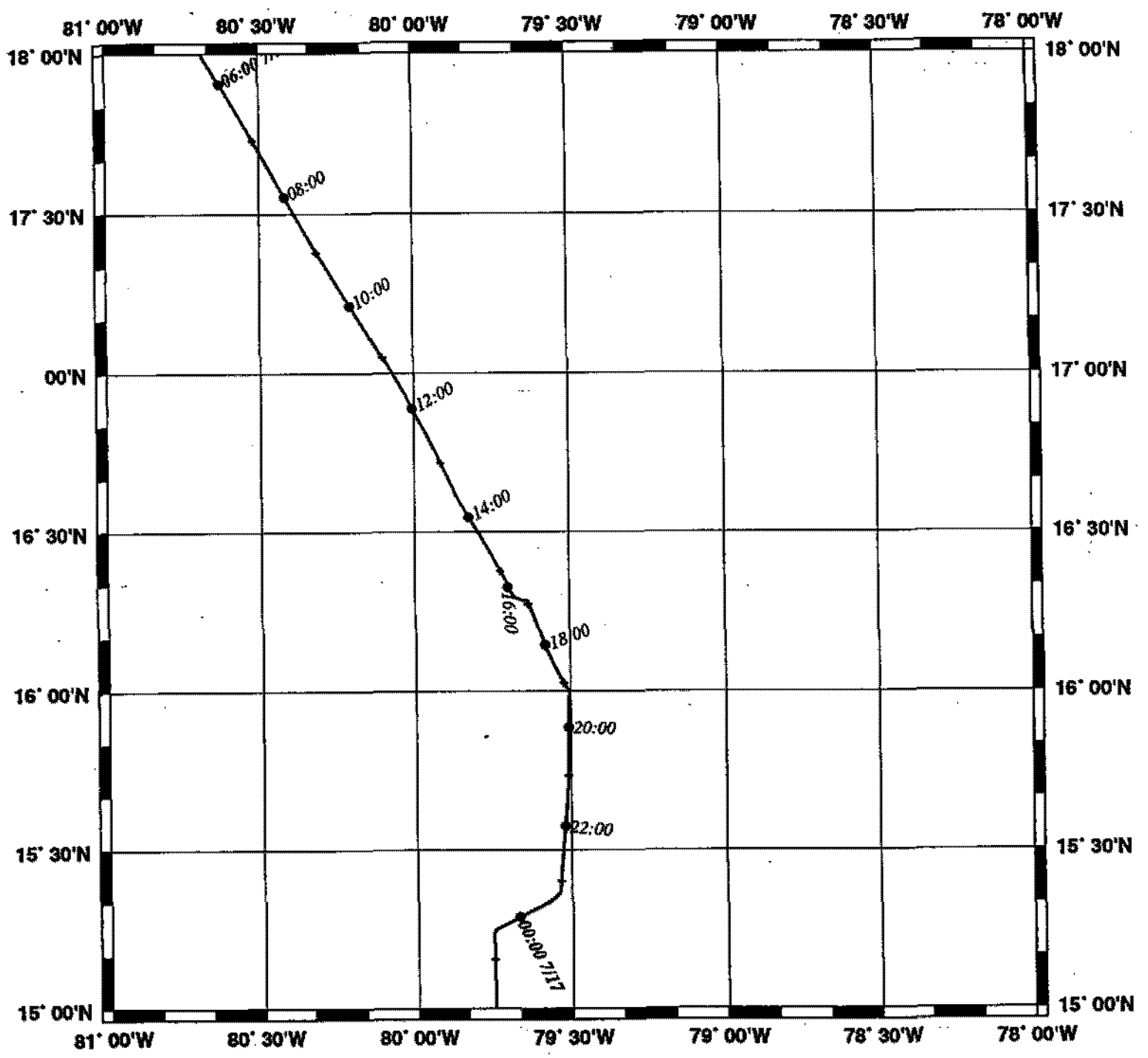
DELV01RR_track_plot_04



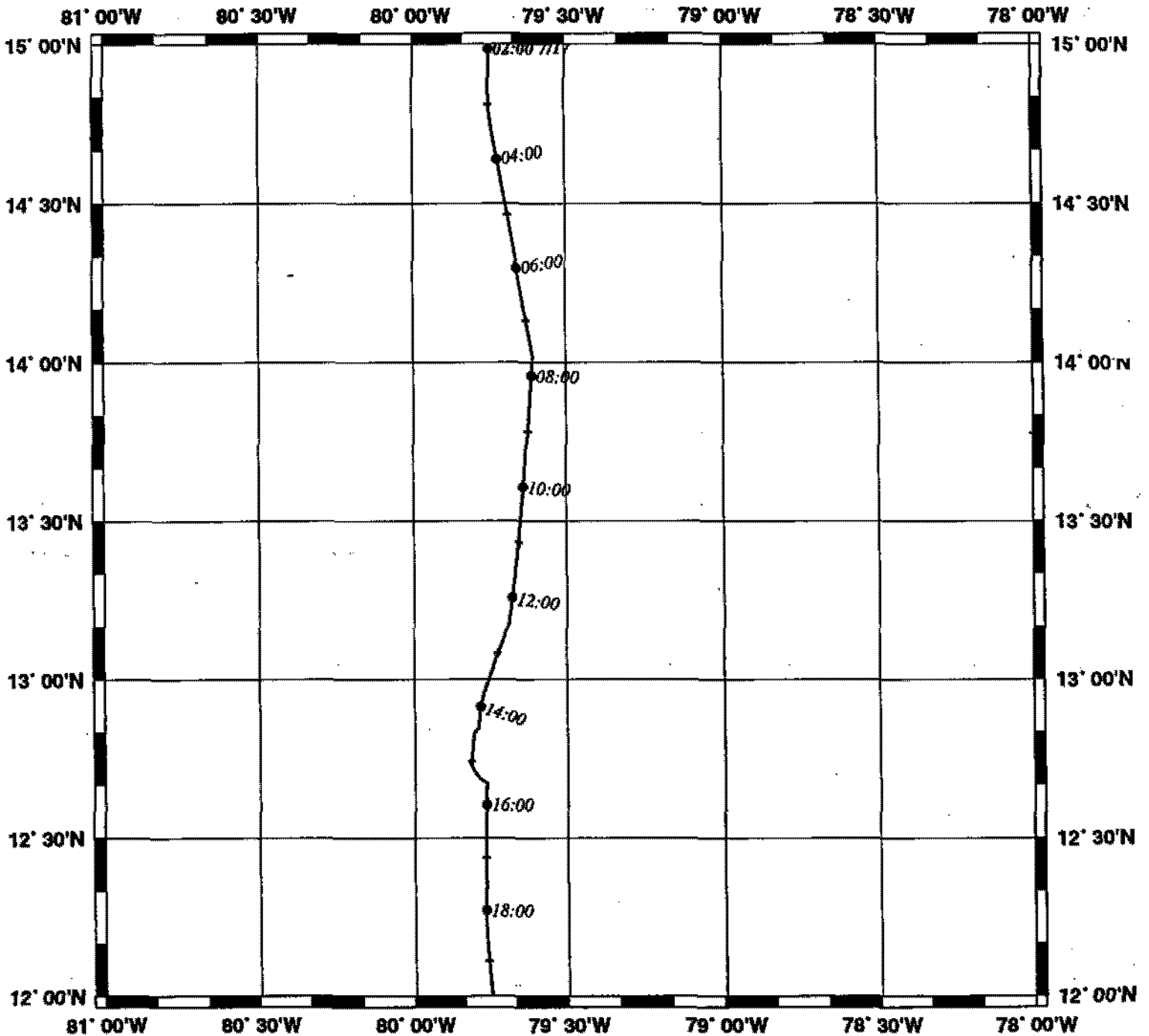
DELV01RR_CAYMAN_SURVEY



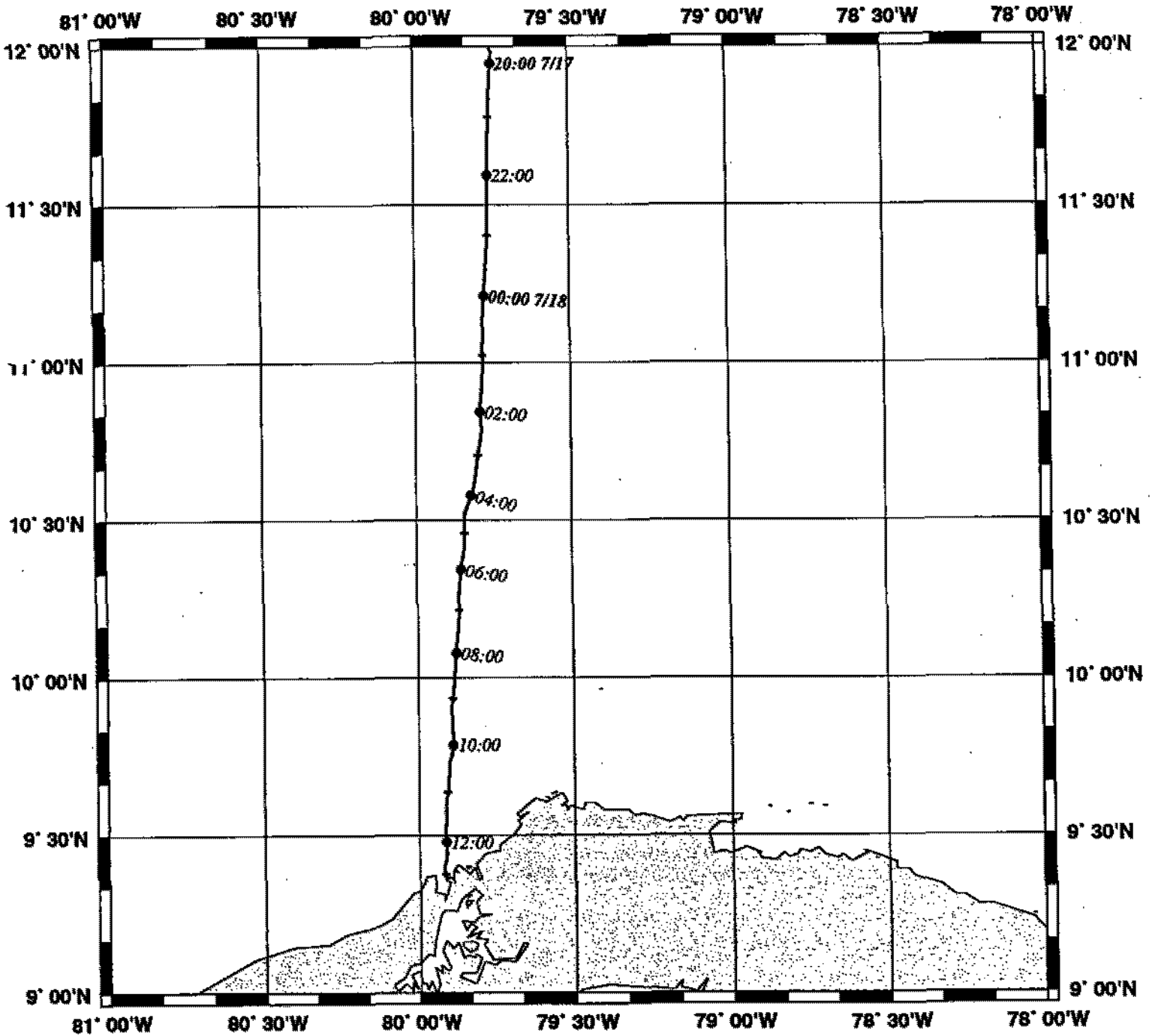
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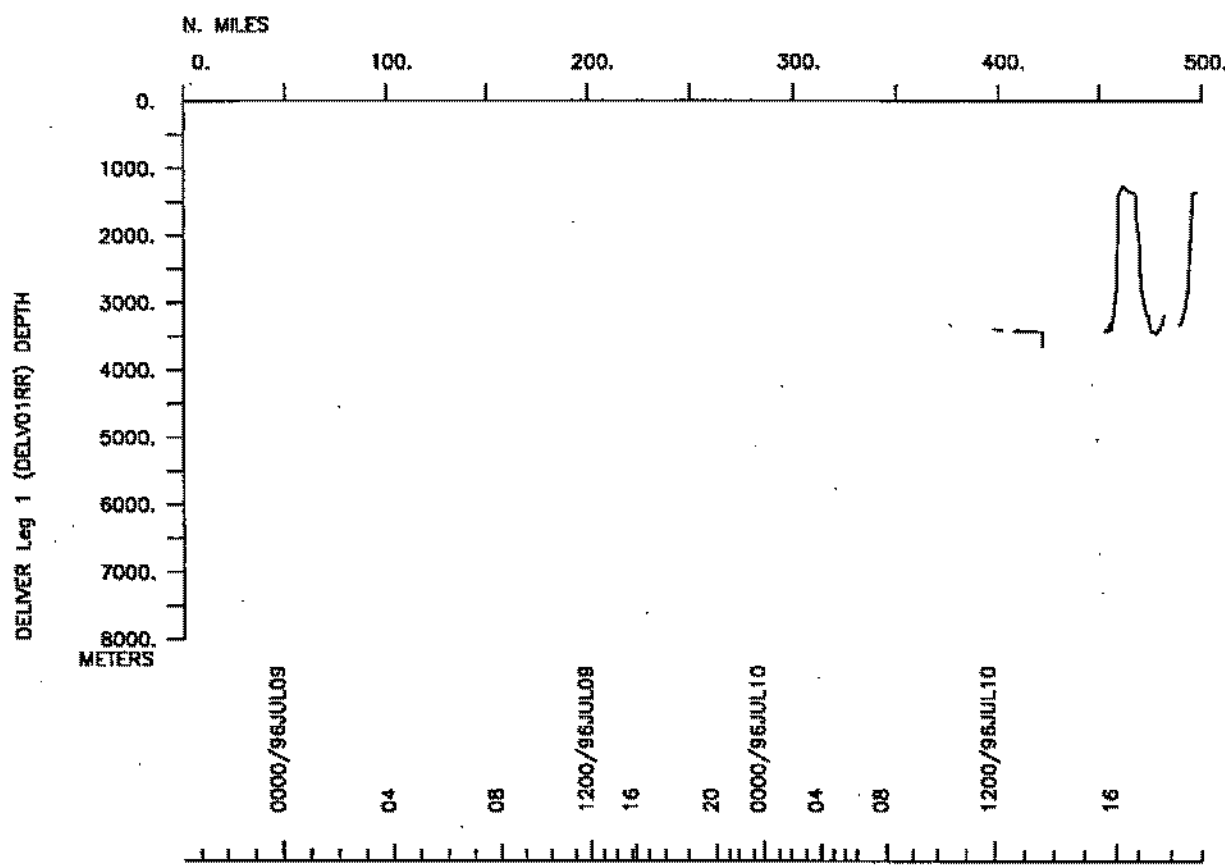
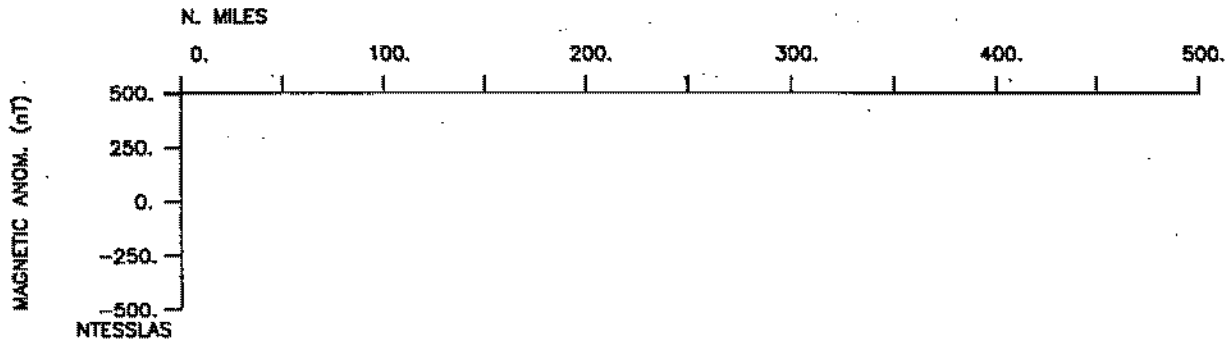
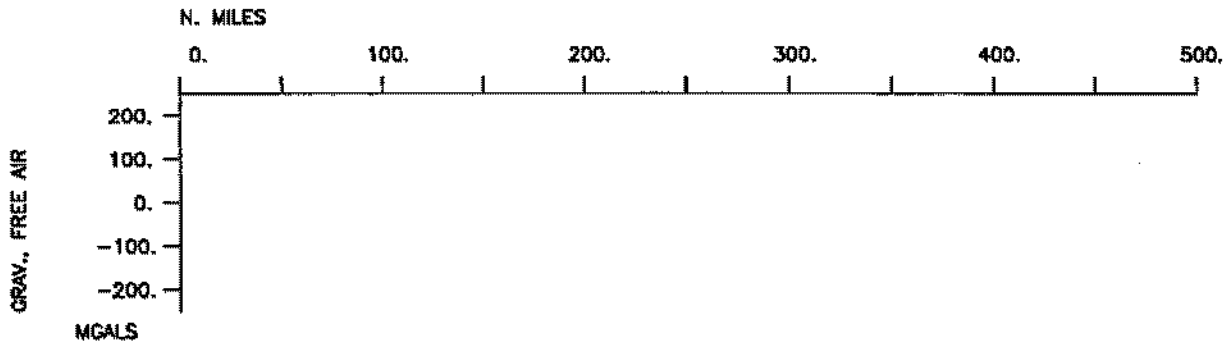


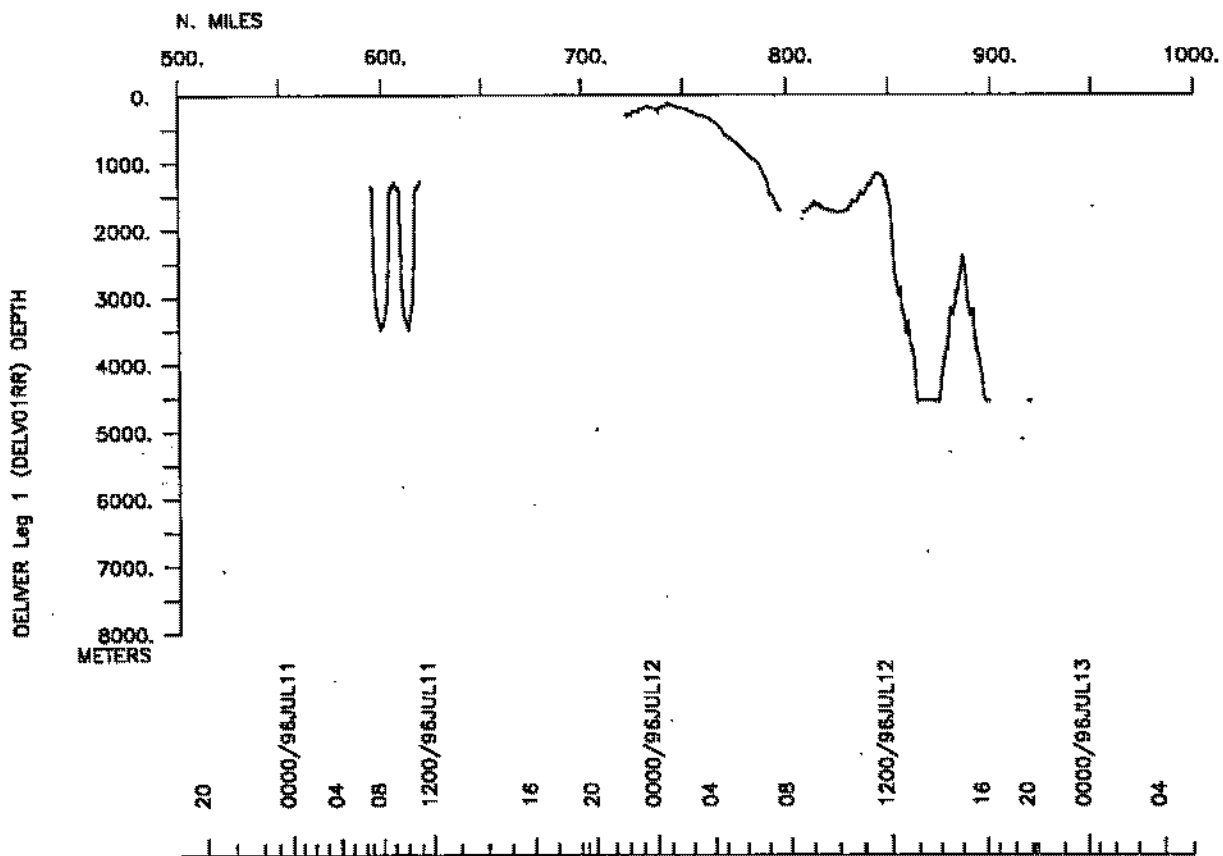
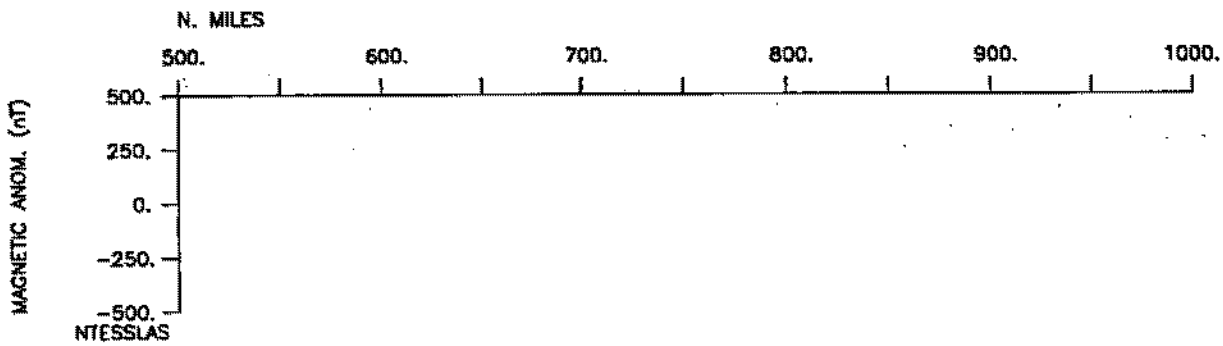
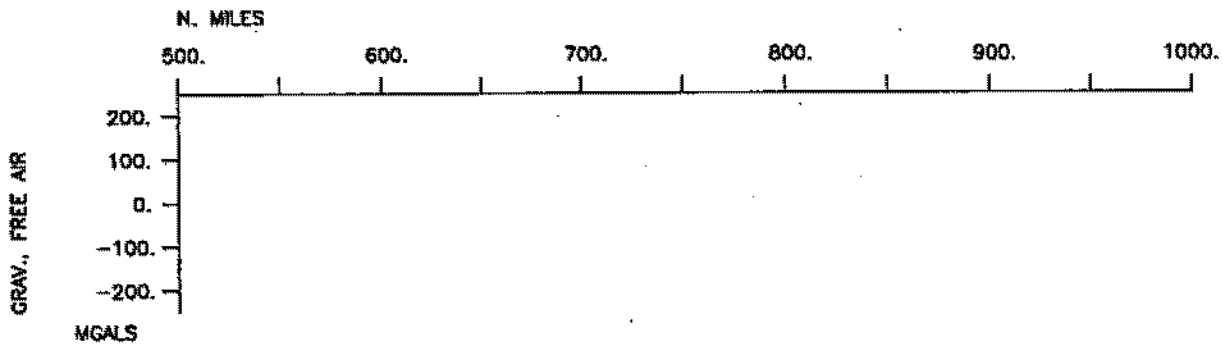
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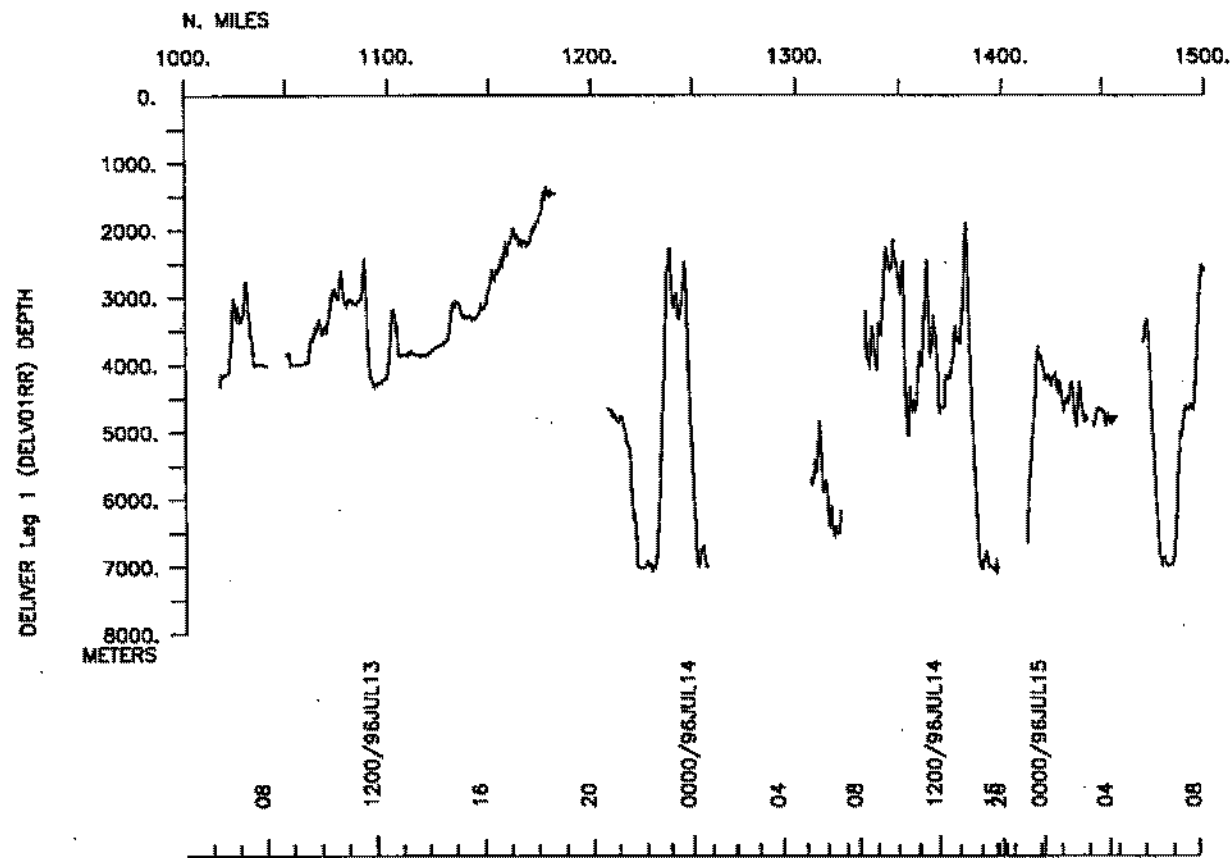
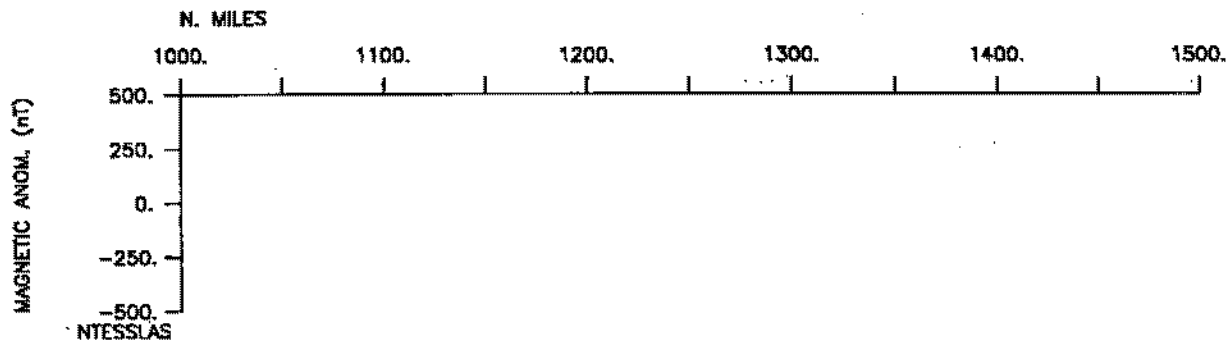
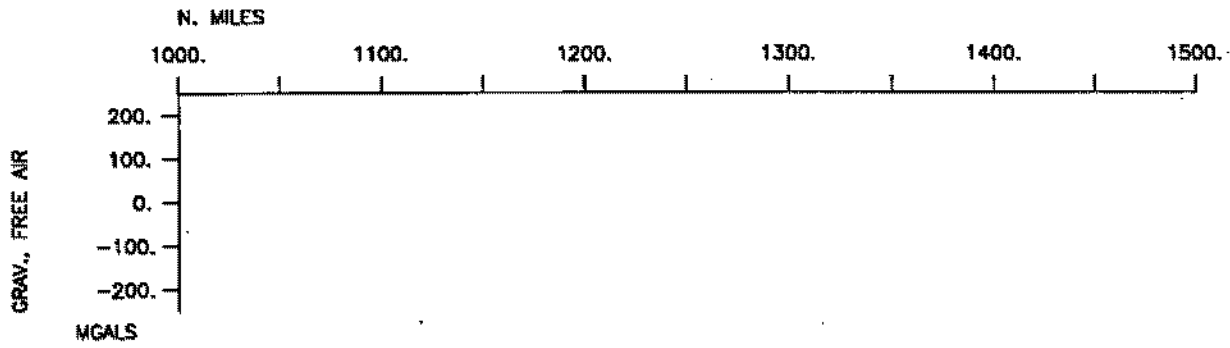


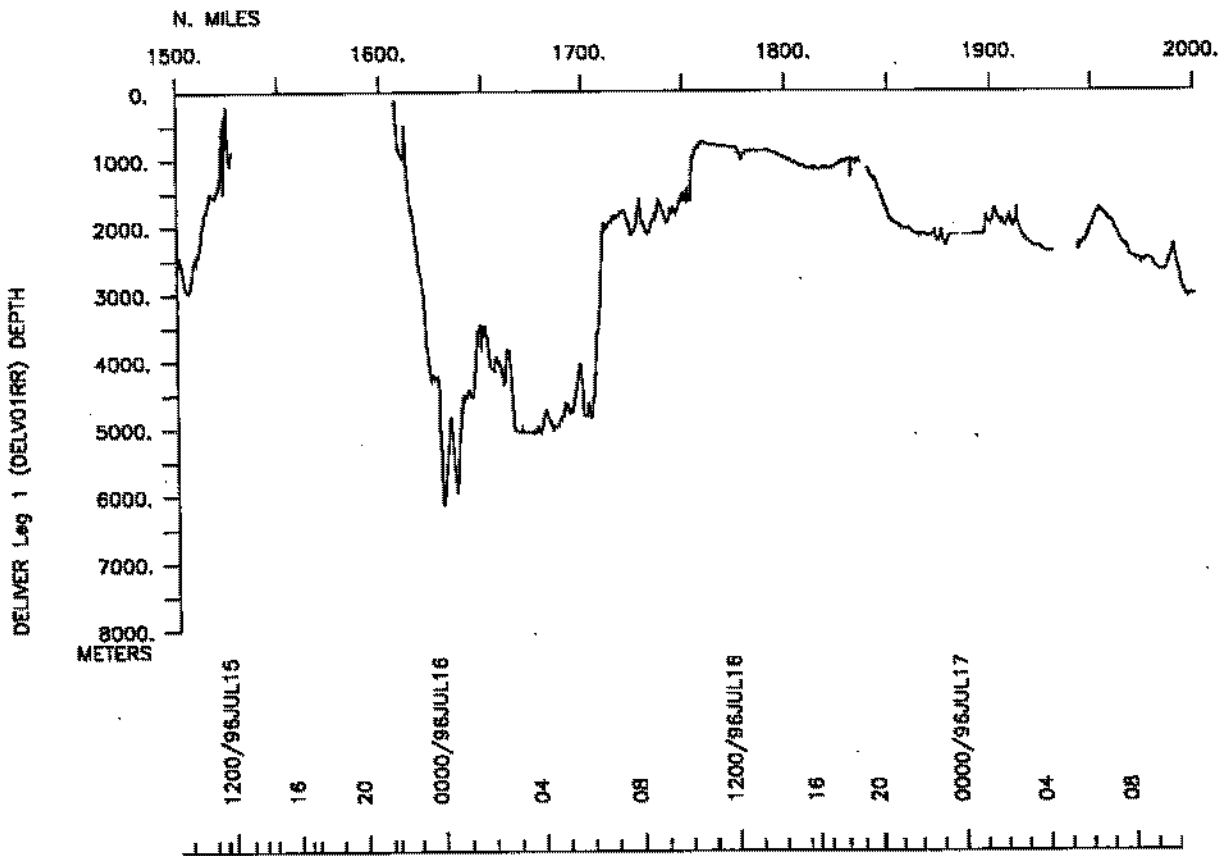
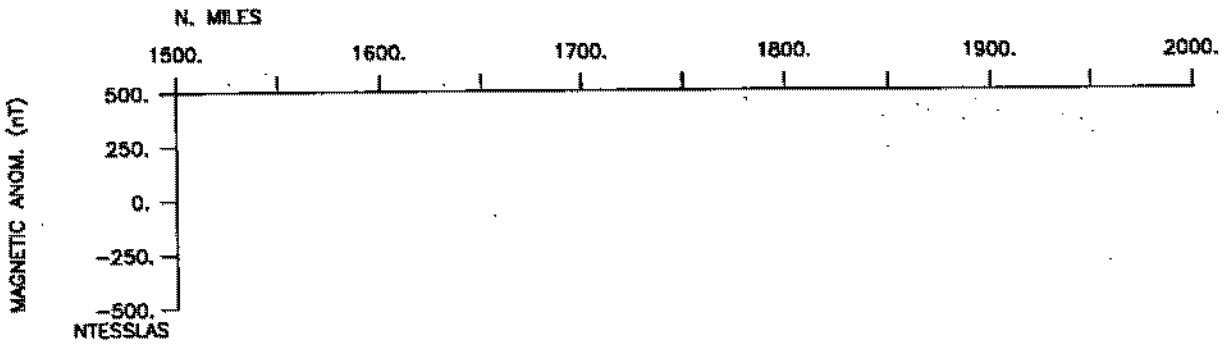
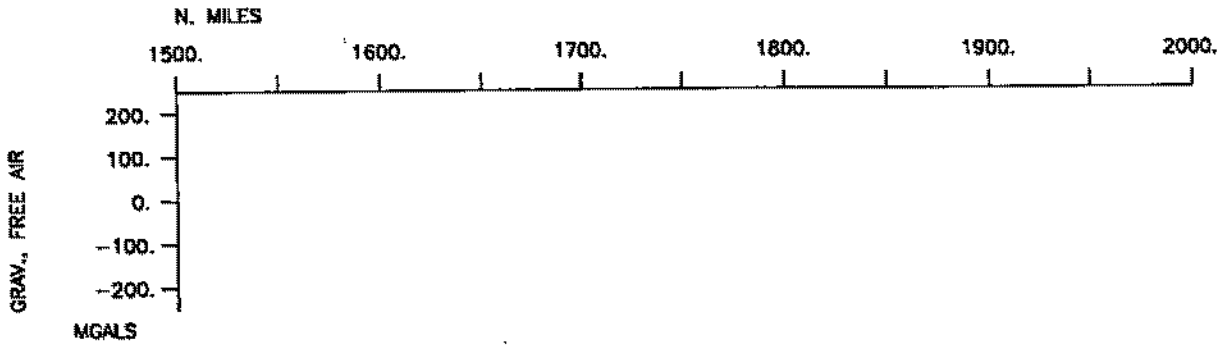
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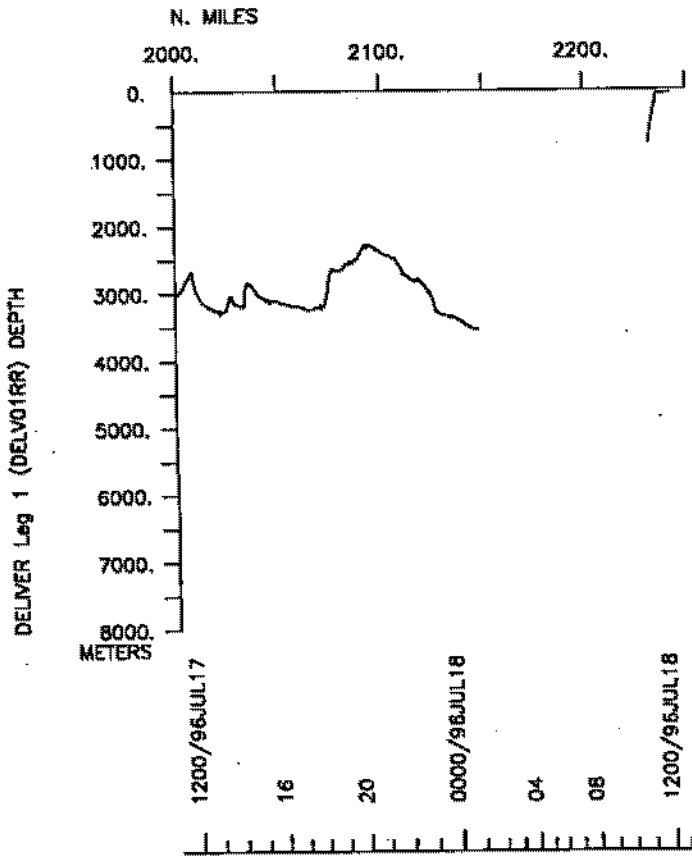
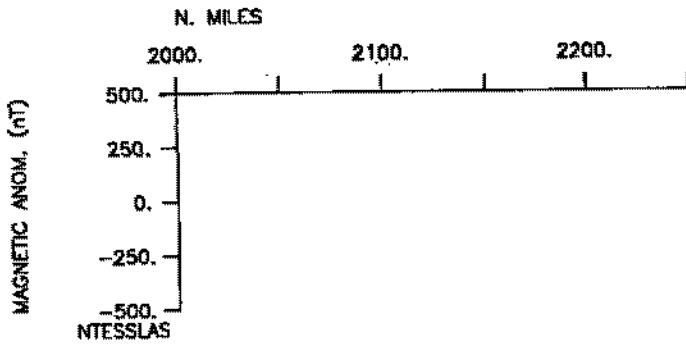
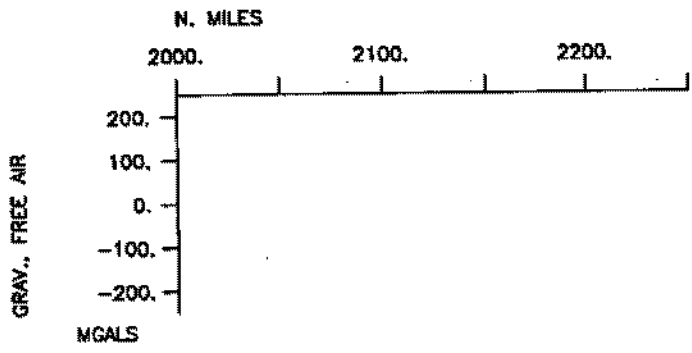












S.I.O. SAMPLE INDEX

DELIVERY CRUISE

LEG 1

(DELV01RR)

R/V Revelle

(Issued October 1996)

PORTS:

Pascagoula, Mississippi (8 July 1996)
to
Balboa, Panama Canal Zone (19 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 ****

1506 080796 LGPT B Pascagoula, Miss. 30-21.00N 88-34.00W f DELV01RR
 1140 190796 LGPT E Balboa, Panama C.Z. 9-21.00N 79-55.00W f DELV01RR

**** Personnel ****

#	*****NAME*****	*****TITLE*****	*****AFFILIATION*****	**CRID**
PECS SIO	Knox, Dr. R. A.	Chief Scientist	Scripps Institution	DELV01RR
PECT STS	Charters, J.	Computer Engineer	Scripps Institution	DELV01RR
PECT STS	Moe, R.	Computer Engineer	Scripps Institution	DELV01RR
PEET STS	Skinner, J.	Electronic Tech.	Scripps Institution	DELV01RR
PESP STS	Sutherland, W.	Manager STS	Scripps Institution	DELV01RR
PESP MARF	Petersen, E.	Project Manager	Scripps Institution	DELV01RR
PESP STS	deMoustier, Dr. C.	Scientist	Scripps Institution	DELV01RR
PESP FNC	Tonchia, H.	Observer	SHOM, France	DELV01RR
PESP MPL	Faivre, L.	Staff Res. Assoc.	Scripps Institution	DELV01RR
PERT STS	Wilson, R. C.	Head Res. Tech.	Scripps Institution	DELV01RR
PERT STS	Comer, R. L.	Resident Tech.	Scripps Institution	DELV01RR
PESP STS	Smith, S.	Seabeam Processor	Scripps Institution	DELV01RR
PESP USN	Rolland, D.	NavSea Represent.	U.S. Navy	DELV01RR
PESP SIX	White, J.	Halter Represent.	Halter Marine	DELV01RR
PEVL SIO	Eckis, E. R.	Volunteer	Scripps Institution	DELV01RR
PEVL SIX	Paci, M. R.	Volunteer	Non-Scripps Employee	DELV01RR
PESP MARF	Althouse, T. S.	Marine Superinten.	Scripps Institution	DELV01RR
PEVL SIO	Althouse, A.	Volunteer	Scripps Institution	DELV01RR
PESP MPL	Pinkle, R.	Scientist	Scripps Institution	DELV01RR
PESP MPL	Slater, E.	Engineer	Scripps Institution	DELV01RR
PESP MPL	Goldin, M.	Engineer	Scripps Institution	DELV01RR
PESP MPL	Green, L.	Engineer	Scripps Institution	DELV01RR
PESP MPL	Neely, C.	Engineer	Scripps Institution	DELV01RR
PESP WHOI	Coburn, J.	Marine Super.	Woods Hole	DELV01RR
PESP SIX	Gates, T.	Engineer	U.S. Navy	DELV01RR
PESP SIX	Camp, R.	Halter Represent.	Halter Marine	DELV01RR
PESP SIX	Christiani, D.	Seabeam Represent.	Seabeam	DELV01RR
PESP SIX	Ireland, T.	Seabeam Represent.	Seabeam	DELV01RR
PESP SIX	Cobis, F.	Seabeam Represent.	Seabeam	DELV01RR
PESP SIX	Talukdar, K.	Seabeam Represent.	Seabeam	DELV01RR
PESP SIX	Cochran, C.	U.S. Navy Rep.	J.J. McMullin Asso.	DELV01RR
PESP SIX	Gonzales, A.	Engineer	U.S. Navy	DELV01RR

**** 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 ****

**** Sea Beam 2100 Records (vertical beam and sidescan) ****

vertical beam & sidescan record r-01 covers both DELV01RR & DELV02RR DELV01RR
 # (record begin: 2205Z 110796; record end: 1221Z 310796) DELV01RR

2205 110796 0 MBSR B v.beam&sidescan r-01 GDC 22-21.01N 86-36.16W g DELV01RR
 1140 190796 0 MBSR C v.beam&sidescan r-01 GDC 9-22.43N 79-54.85W g DELV01RR

**** End Sample Index DELV01RR