Report and Index of

Underway Marine Geophysical Data

Drift Expedition

Leg 11

(DRFT11RR)

R/V Revelle

(Issued June 2002)

Ports:
Pago Pago, American Samoa (08 March 2002)
to
Hilo, Hawaii (16 March 2002)

Chief Scientist: Transit
Steve Foley, Technician in Charge

Computer Tech -- Steve Foley

Post–Cruise processing and report preparation by the
Shipboard Technical Support Group,
Scripps Institution of Oceanography
La Jolla, CA 92093–0223

STS Cruise ID# 297

Report and Index of Navigation
and Underway Geophysical Data

Processed by the Shipboard Technical Support Group
Scripps Institution of Oceanography

Contents:

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

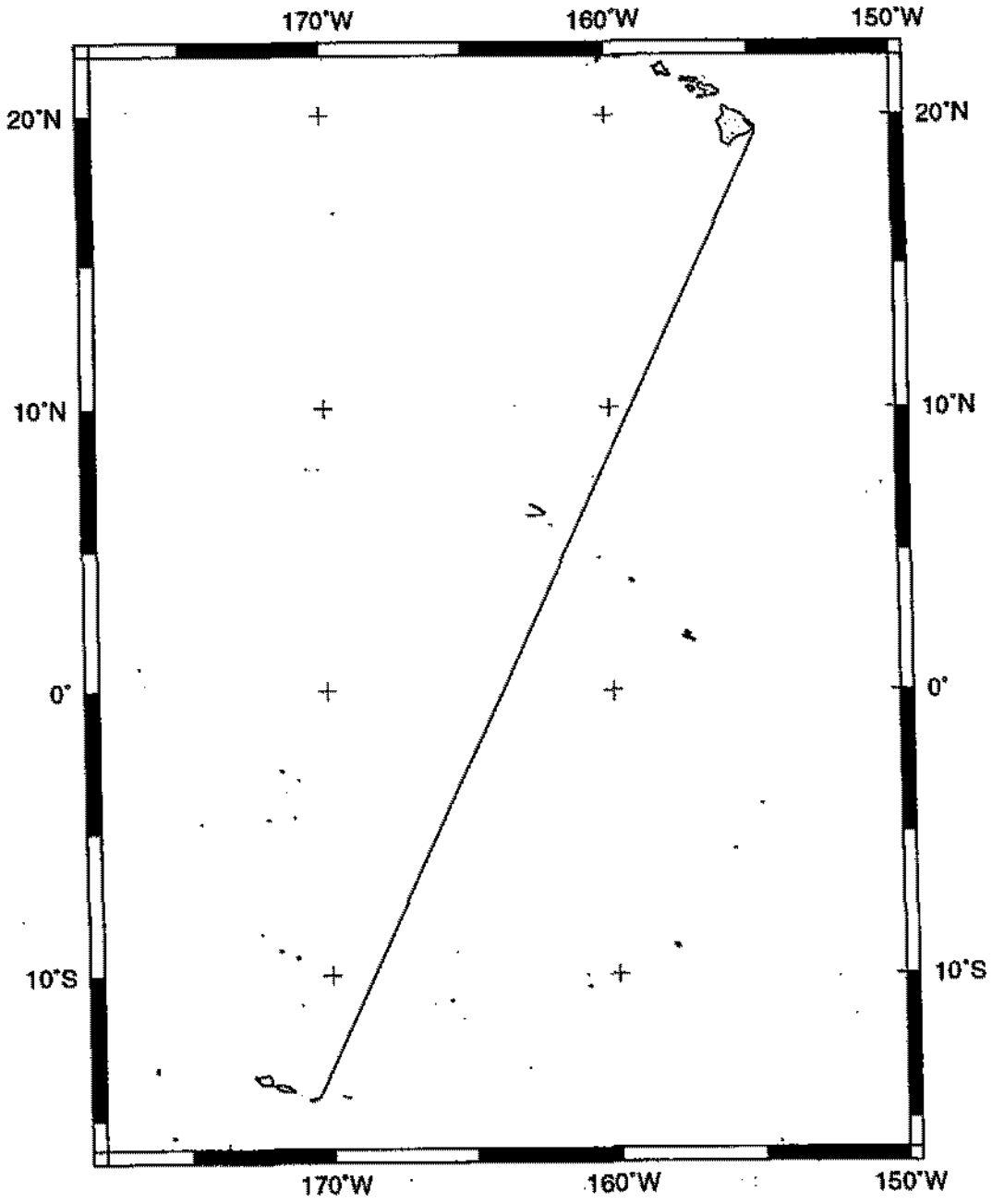
Track Charts– annotated with dates and hour ticks

Profiles – depth, magnetic and gravity free air anomaly vs. distance. (Sections of track with seismic reflection data have a wide black line along the botttom 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 collected on the leg.

NOTE:
For information on the availability of this current digital data as well as archived digital data contact Stephen P. Miller, Geological Data Center, Scripps Institution of Oceanography, La Jolla, California 92093–0220 Phone: (858)534–1898, internet email: spmiller@ucsd.edu; or his Website: http://SIOExplorer@ucsd.edu

Rev 6/2001



DRIFT EXPEDITION LEG 11 (DRFT11RR)

CHIEF SCIENTIST: Steve Foley, Tech in Charge

PORTS: Pago Pago, American Samoa - Hilo, Hawaii

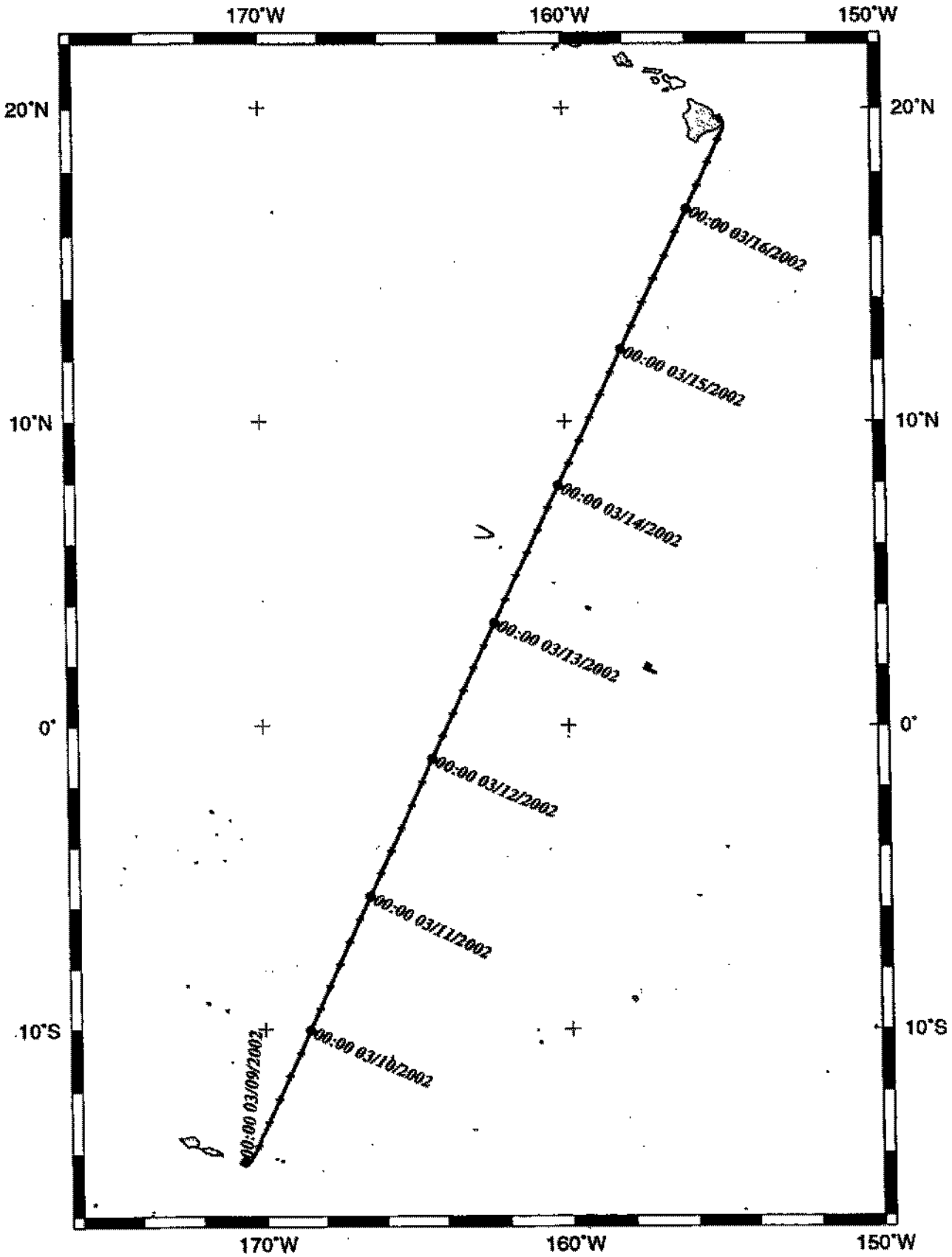
DATES: 08 - 16 March 2002

SHIP: R/V Revelle

TOTAL MILEAGE OF UNDERWAY DATA COLLECTED

Cruise-2271 miles	**Magnetics-none collected**
Bathymetry-2086 miles	**Seismic Reflection-none collected**
Multibeam-2086 miles	**Gravity-2126 miles**

DRFT11RR



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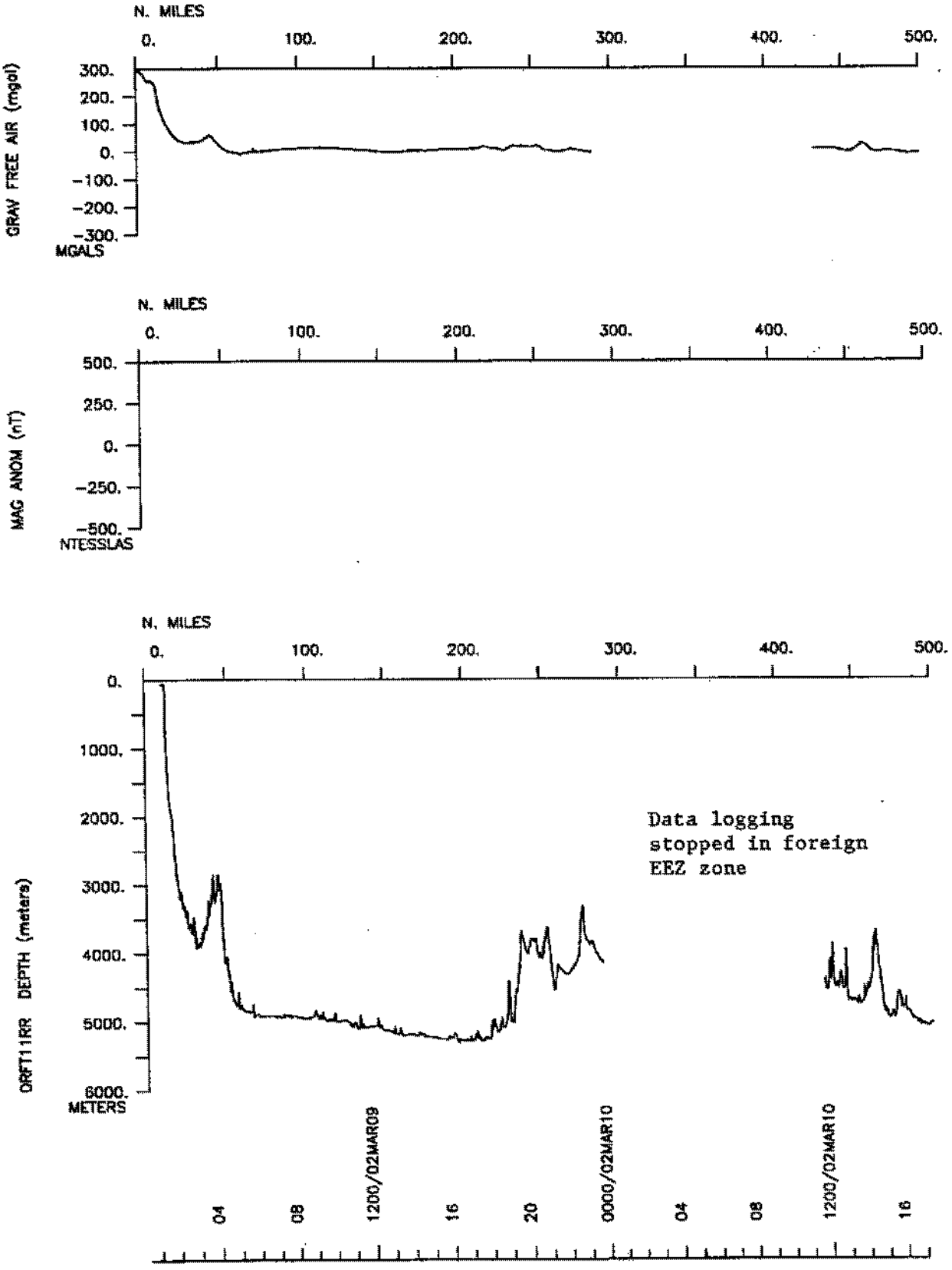
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-300.
MGALS
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100.
200.
300.
400.
500.
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0.
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-500.
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3000.
4000.
5000.
6000.
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08
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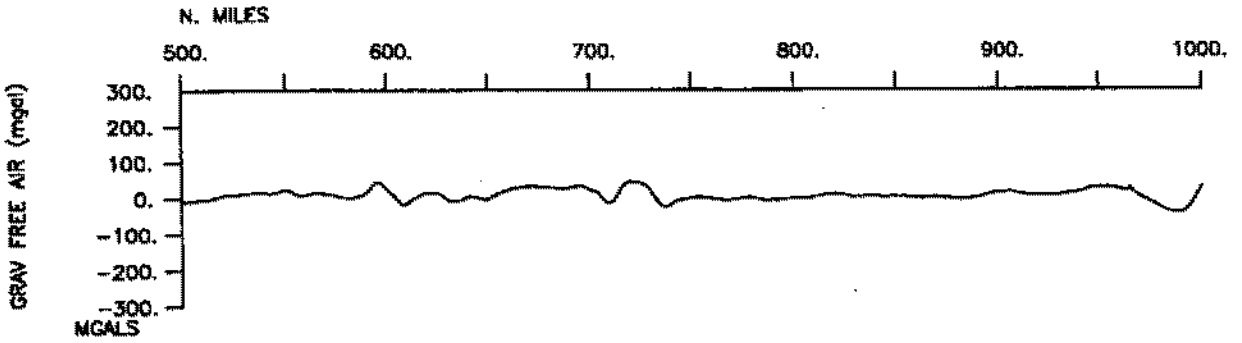
16
20
0000/02MAR10
04
08
1200/02MAR10
16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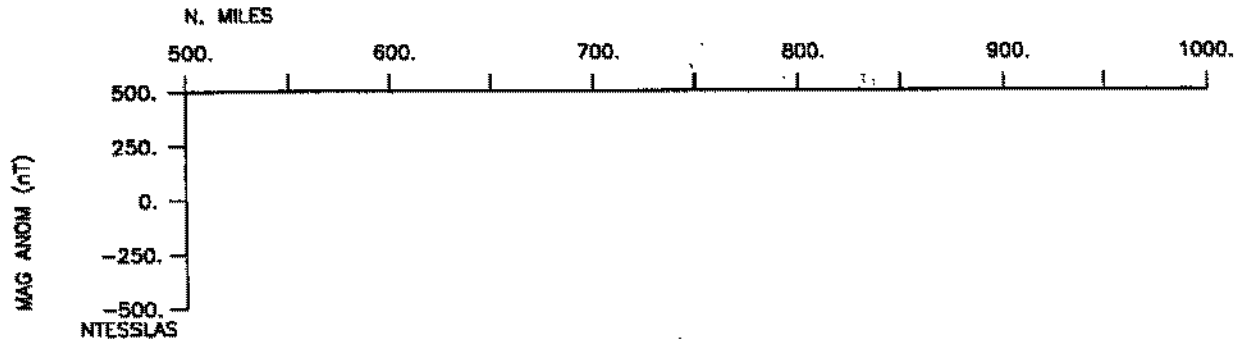
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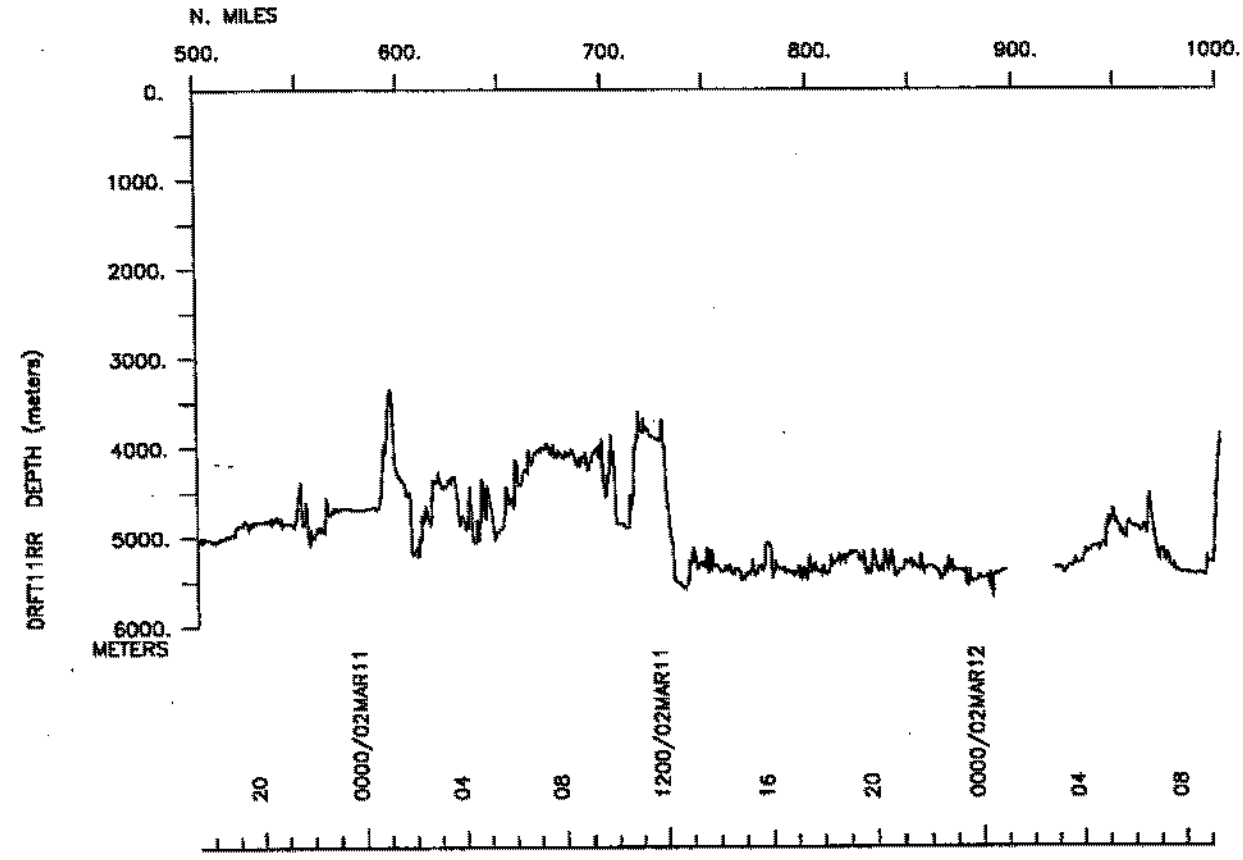
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2000.
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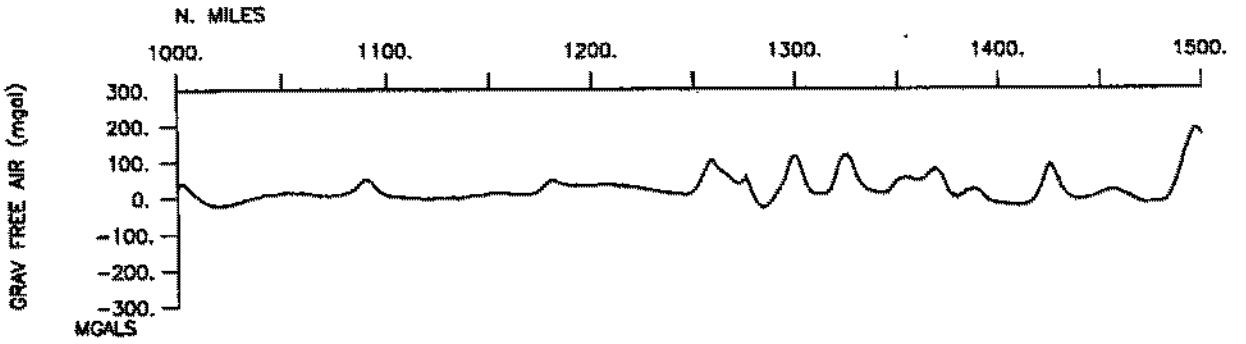
08
1200/02MAR11
16
20
0000/02MAR12
04
08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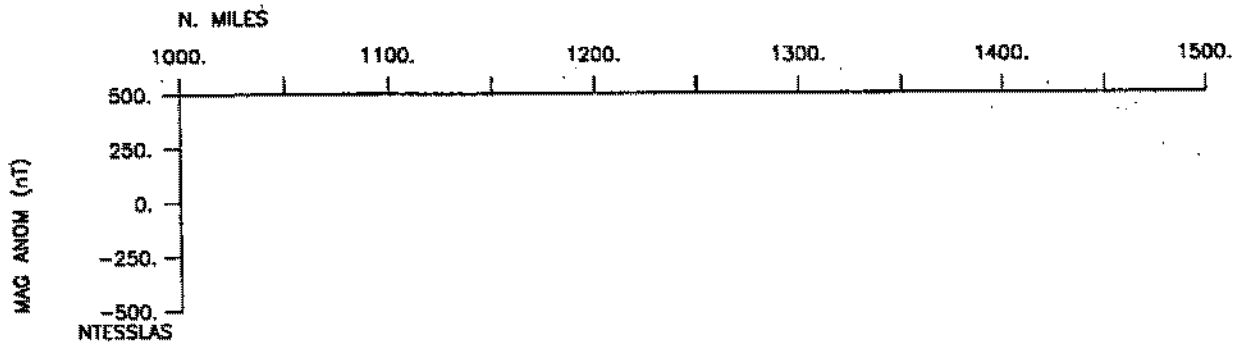
-200.
-300.
MGALS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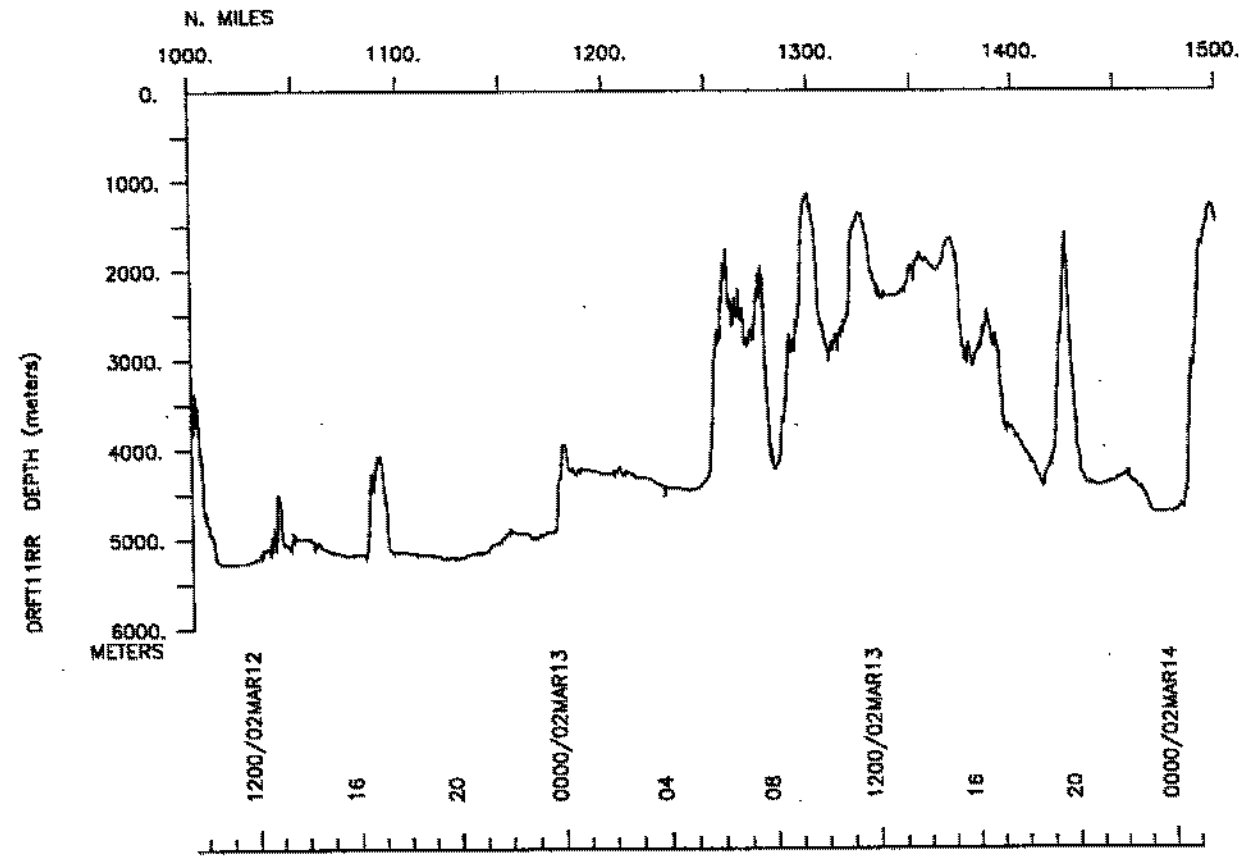
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1200.
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1400.
1500.
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2000.
3000.
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5000.
6000.
METERS
1200/02MAR12
16
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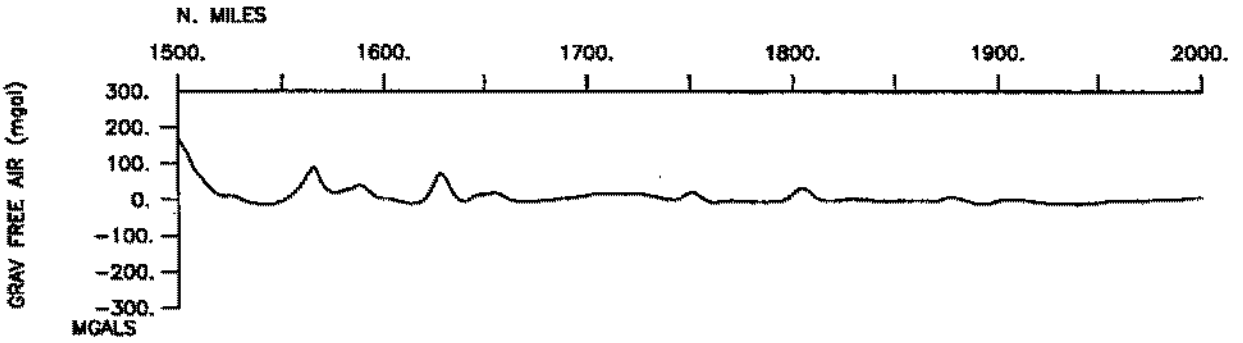
0000/02MAR13
04
08
1200/02MAR13
16
20
0000/02MAR14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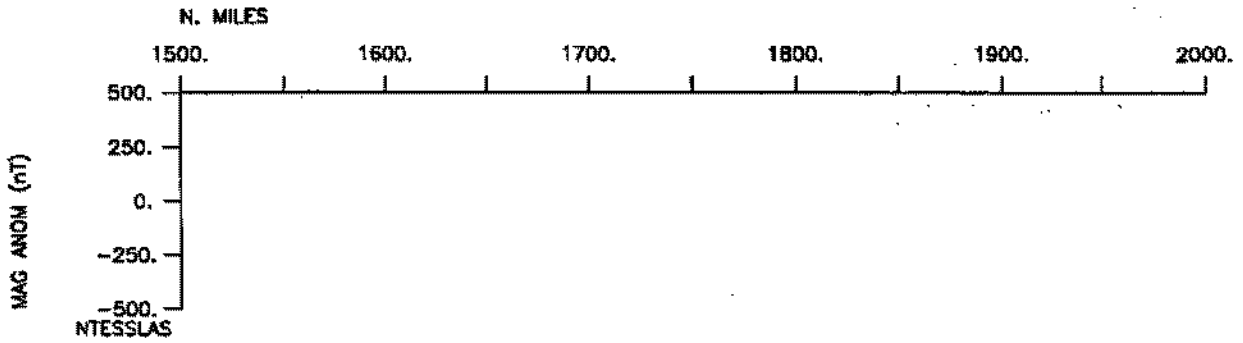
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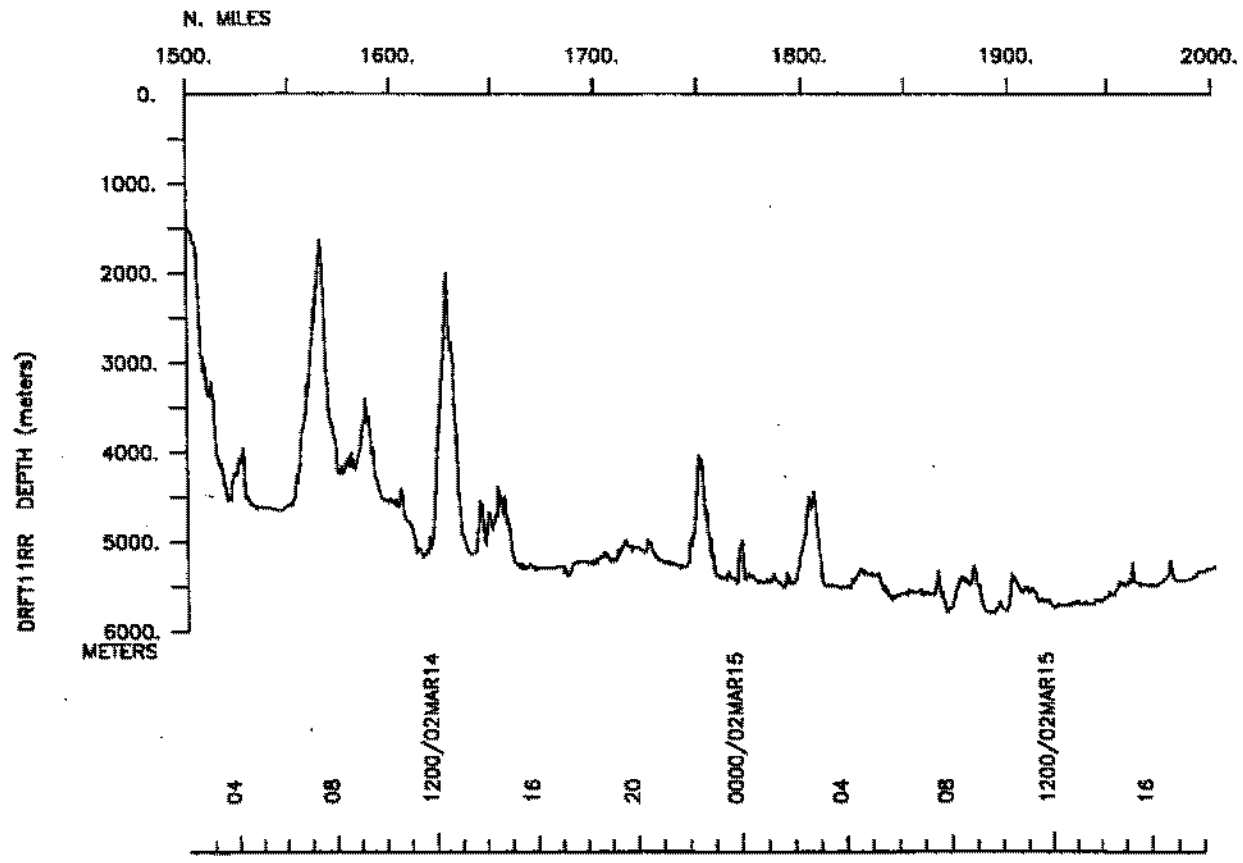
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1600.
1700.
1800.
1900.
2000.
DRFT11RR DEPTH (meters)
0.
1000.
2000.
3000.
4000.
5000.
6000.
METERS
04
08
1200/02MAR14
16
20
0000/02MAR15
04
08
1200/02MAR15
16


N. MILES
2000.
2100.
2200.
2300.
GRAV FREE AIR (mgal)
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200.
100.
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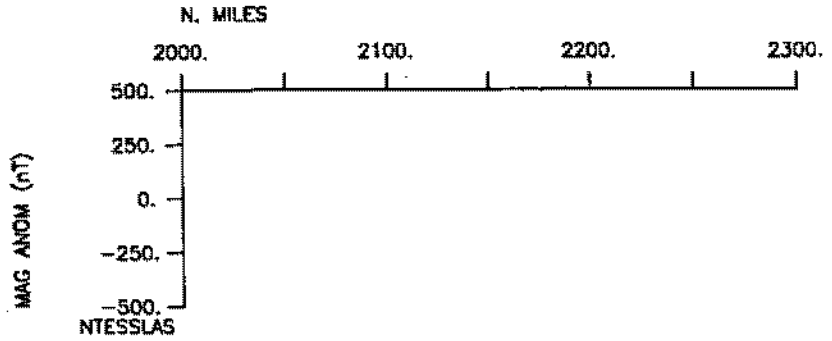
MGALS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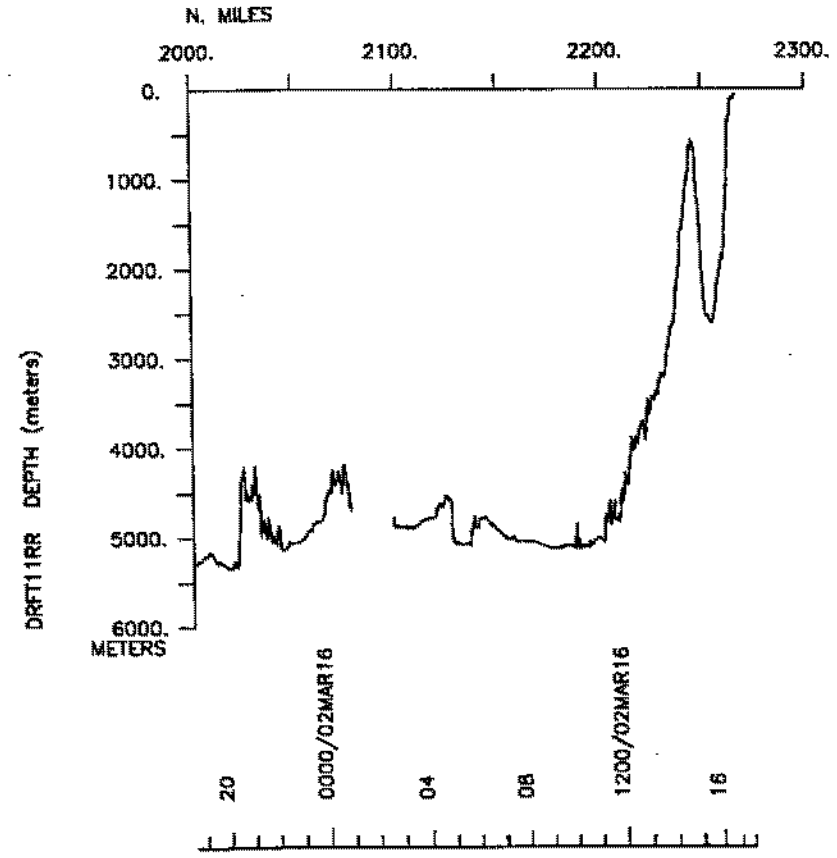
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2100.
2200.
2300.
DRFT11RR DEPTH (meters)
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1000.
2000.
3000.
4000.
5000.
6000.
METERS
20
0000/02MAR16
04
08
1200/02MAR16
16

S.I.O. Sample Index

Drift Expedition

Leg 11

(DRFT11RR)

R/V Revelle

(Issued June 2002)

PORTS:

Pago Pago, American Samoa (08 March 2002)
to
Hilo, Hawaii (16 March 2002)

Chief Scientist: Transit
Steve Foley, Technician in Charge

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. Shipboard Technical Support 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 Shipboard Technical Support Group.)

STS Cruise ID# 297

```
#*** Ports ***

0000 080302     LGPT B Pago Pago, American Samoa 13-49.00S 171-46.00W f DRFT11RR
2350 160302     LGPT E Hilo, Hawaii              19-44.00N 155-04.00W f DRFT11RR


#*** Personnel ***
#         ********NAME******** ******TITLE******  *****AFFILIATION**** **CRID**
#--- ---- -------------------- ------------------ -------------------- --------

PECT STS  Foley, S.            Tech in Charge     Scripps Institution  DRFT11RR


#*** 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 - Shipboard Technical Support Group ext.41899 ***
#*** Digital Data Curator - Geological Data Center, S.P. Miller, ext.41898 ***

#*** Multibeam Data (SIMRAD) ***

0113 090302  0 MBSI B multibeam data            GDC  14-15.59S 170-32.26W g DRFT11RR
1750 160302  0 MBSI E multibeam data            GDC  19-44.07N 155-04.18W g DRFT11RR

#*** Digital Gravity ***

0000 080302  0 GVDD B digital gravity           GDC  14-16.59S 170-41.23W g DRFT11RR
2350 160302  0 GVDD E digital gravity           GDC  19-43.78N 155-03.35W g DRFT11RR

#*** Integrated Meteorological Acquisition System ***

0000 080302  0 IMET B weather measurements      GDC  14-16.59S 170-41.23W g DRFT11RR
2350 160302  0 IMET E weather measurements      GDC  19-43.78N 155-03.35W g DRFT11RR

#*** Acoustic Doppler Current Profiler ***

0000 080302  0 ADCP B current measurements      GDC  14-16.59S 170-41.23W g DRFT11RR
2350 160302  0 ADCP E current measurements      GDC  19-43.78N 155-03.35W g DRFT11RR

#*** Expendable Bathythermographs ***

1147 100302  0 BTXP   MK12  #  82 Fast_Deep GDC   7-53.75S 167-31.15W g DRFT11RR
2102 110302  0 BTXP   MK12  #   2 Fast_Deep GDC   1-39.42S 164-38.20W g DRFT11RR
2043 120302  0 BTXP   MK12  #   3 Fast_Deep GDC   2-46.71N 162-35.77W g DRFT11RR
1944 130302  0 BTXP   MK12  #   4 Fast_Deep GDC   7-08.05N 160-35.01W g DRFT11RR
2002 140302  0 BTXP   MK12  #   5 Fast_Deep GDC  11-36.04N 158-29.97W g DRFT11RR
1946 150302  0 BTXP   MK12  #   6 Fast_Deep GDC  16-03.34N 156-23.26W g DRFT11RR

#                          End Sample Index                              DRFT11RR
```