

**Report and Index of  
Underway Marine Geophysical Data**

**Drift Expedition**

**Leg 16**

**(DRFT16RR)**

**R/V Revelle**

**(Issued July 2002)**

**Ports:**

Honolulu, Hawaii (22 May 2002)

to

San Diego, California (30 May 2002)

**Chief Scientist:** Peter Lonsdale  
Scripps Institution of Oceanography  
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Computer Tech – Bill French  
Resident Tech – Tammy Baiz

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

**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 Shipboard Technical Support, Scripps Institution of Oceanography, La Jolla, California 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

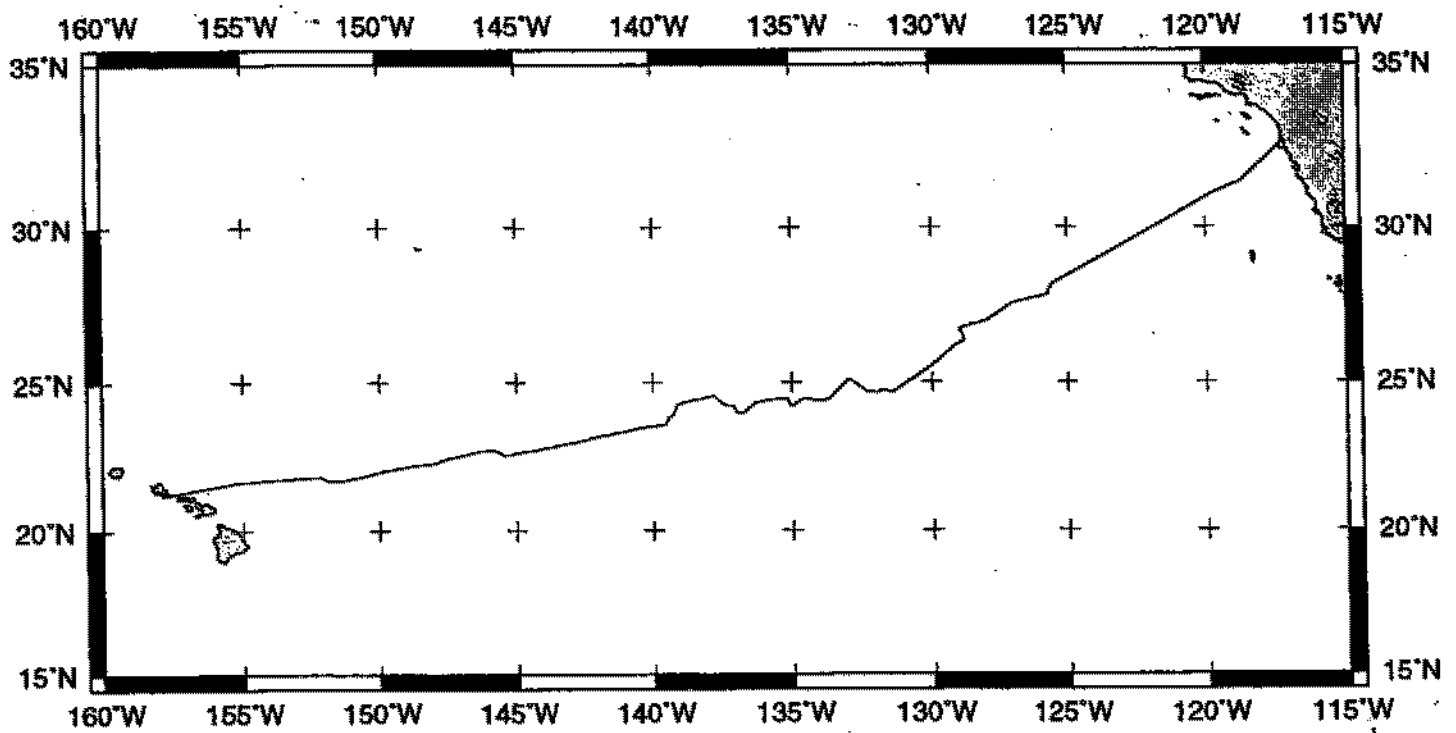
**Profiles** – depth, magnetic and gravity free air anomaly vs. distance. (Sections of track with seismic reflection data have a wide black line along the bottom of the profile.)

**Sample Index** – list of begin/end times and positions of all underway records as well as samples and measurements from other disciplines 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](mailto:spmiller@ucsd.edu); or his Website: <http://SIOExplorer@ucsd.edu>

Rev 6/2001



**DRIFT EXPEDITION LEG 16 (DRFT16RR)**

**CHIEF SCIENTIST: Peter Lonsdale, Scripps Institution**

**PORTS: Honolulu, Hawaii to San Diego, California**

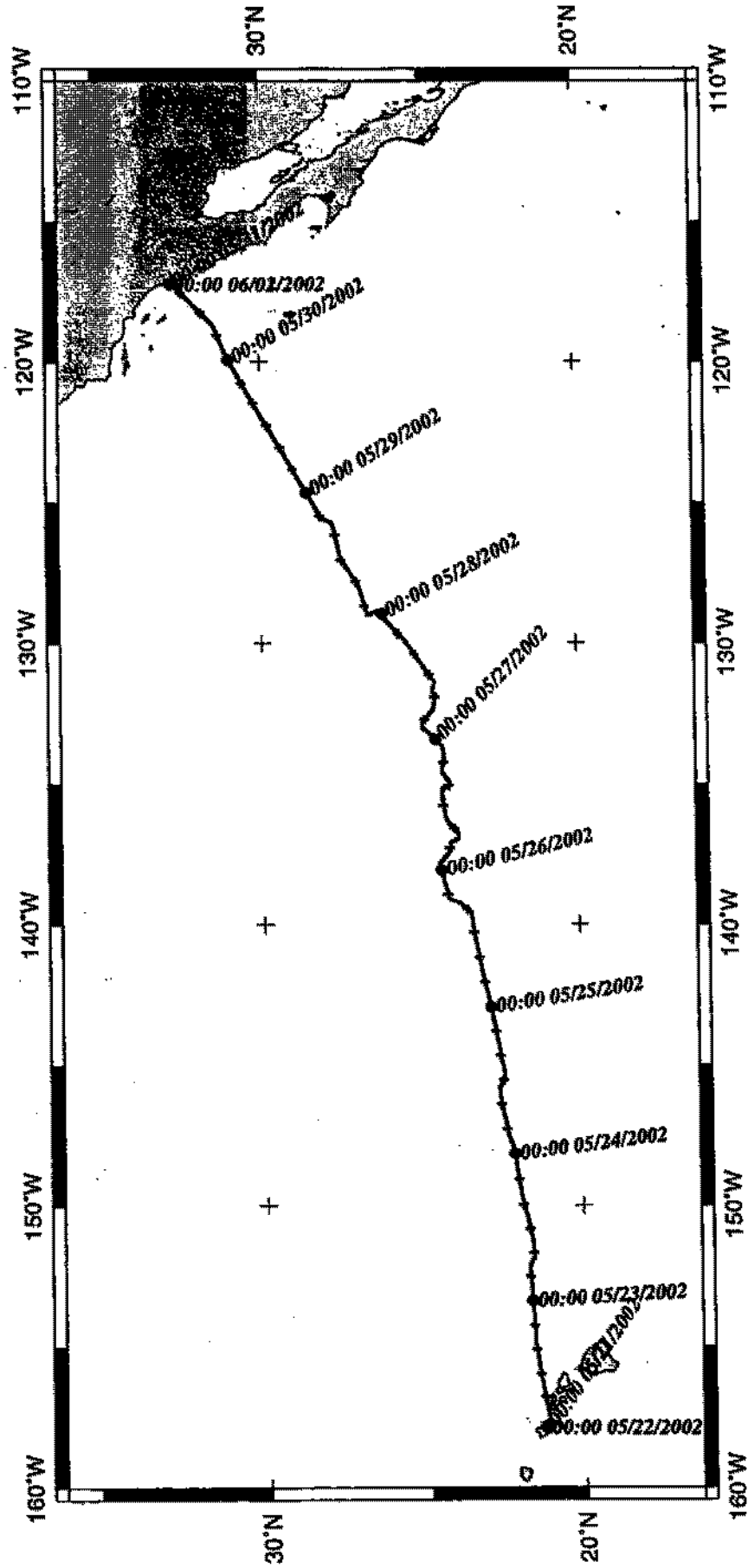
**DATES: 22 - 30 May 2002**

**SHIP: R/V Revelle**

**TOTAL MILEAGE OF UNDERWAY DATA COLLECTED**

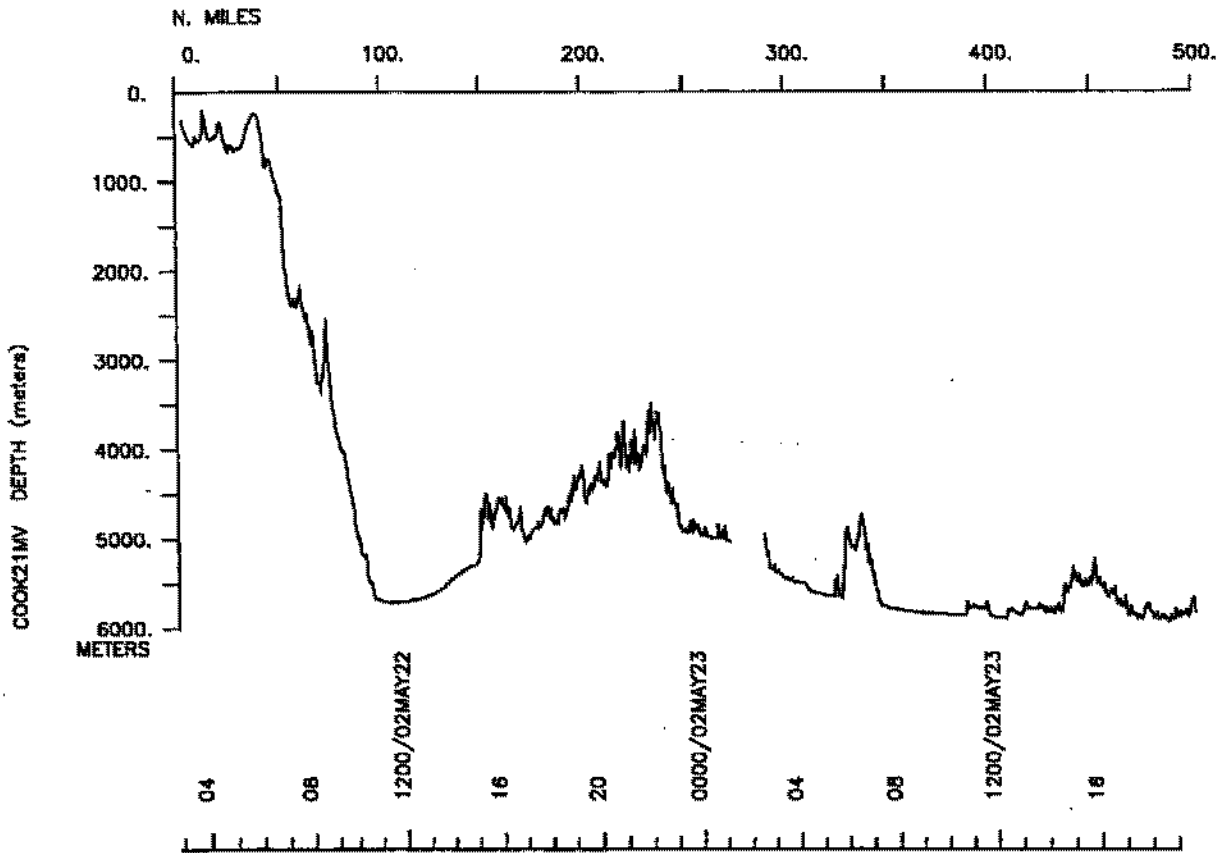
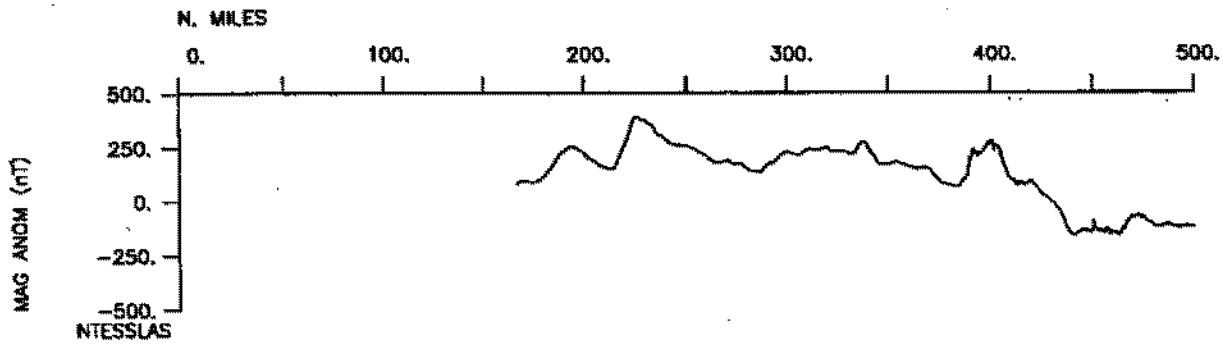
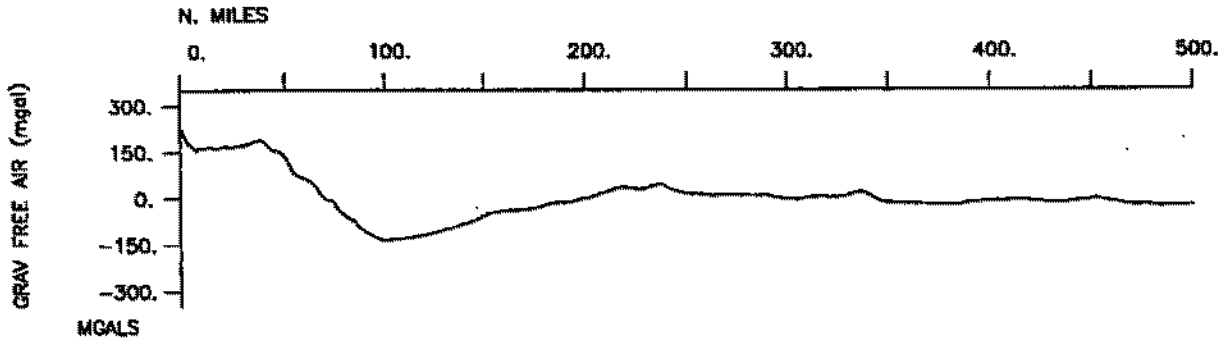
|                              |  |
|------------------------------|--|
| <b>Cruise-2518 miles</b>     | <b>Magnetics-2048 miles</b>              |
| <b>Bathymetry-2443 miles</b> | <b>Seismic Reflection-none collected</b> |
| <b>Multibeam-2443 miles</b>  | <b>Gravity-2518 miles</b>                |

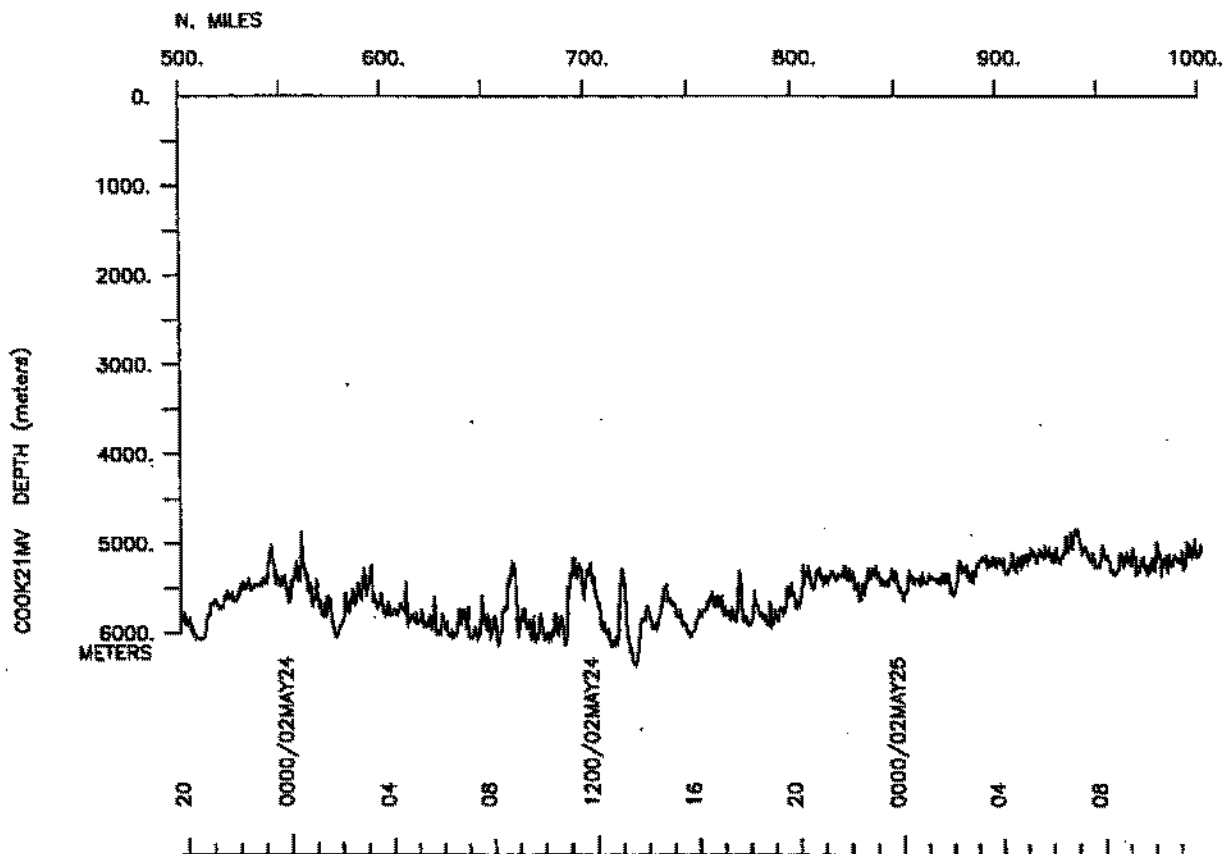
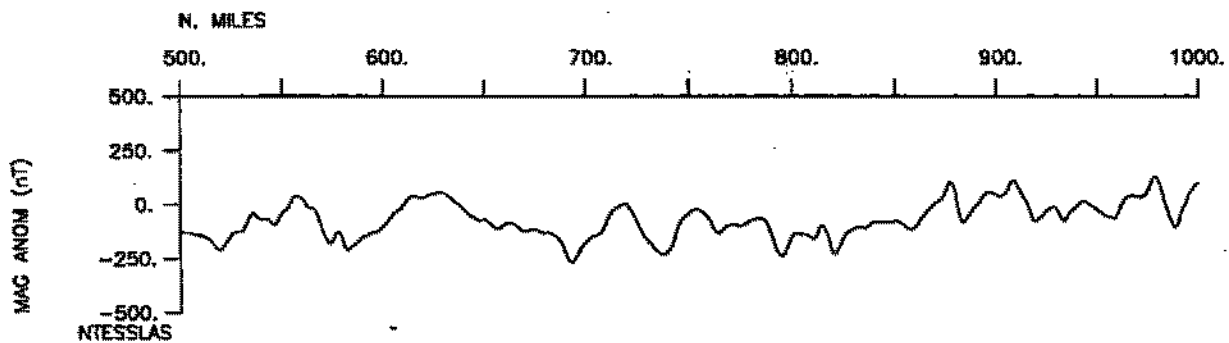
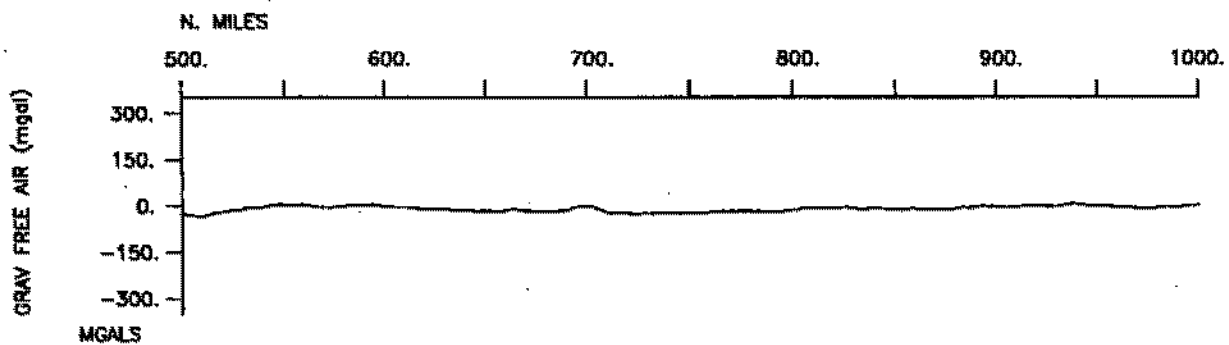
# DRFT16RRR

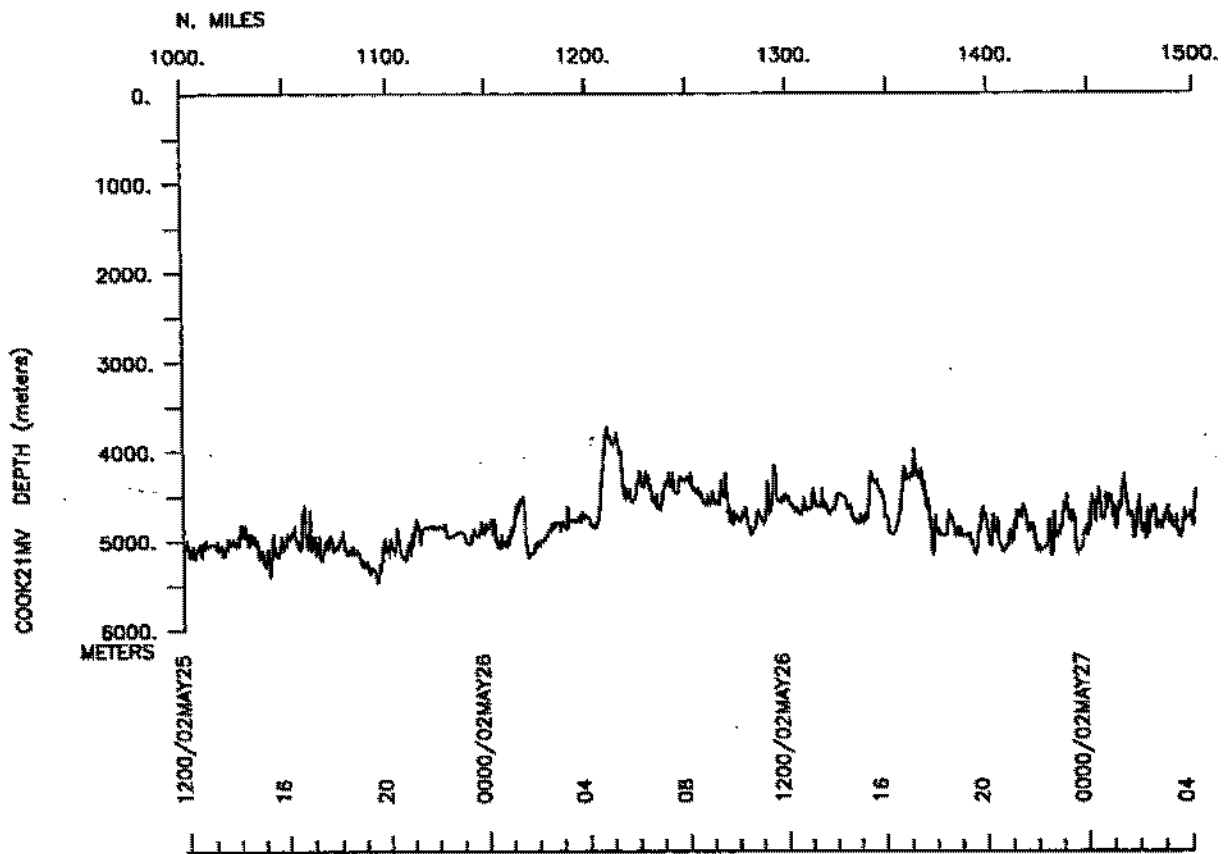
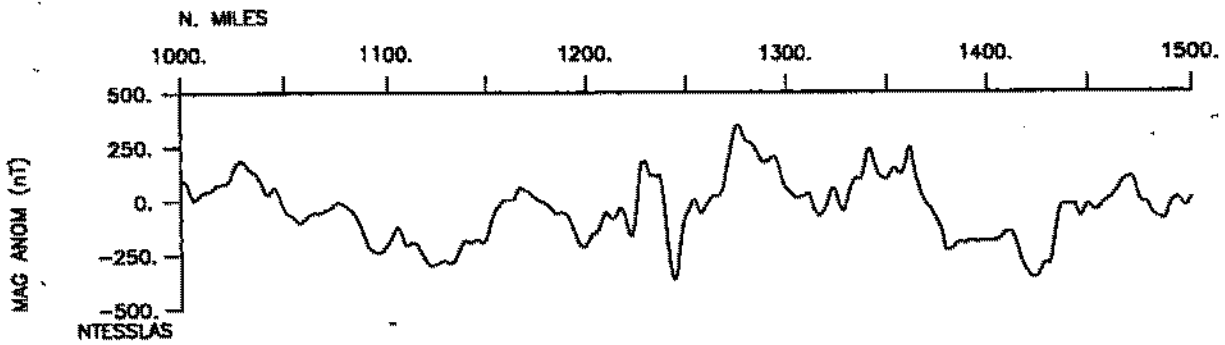
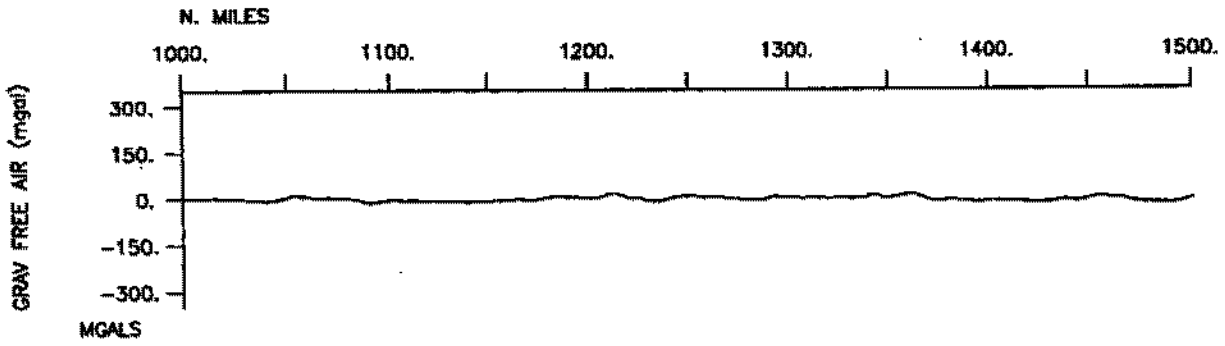


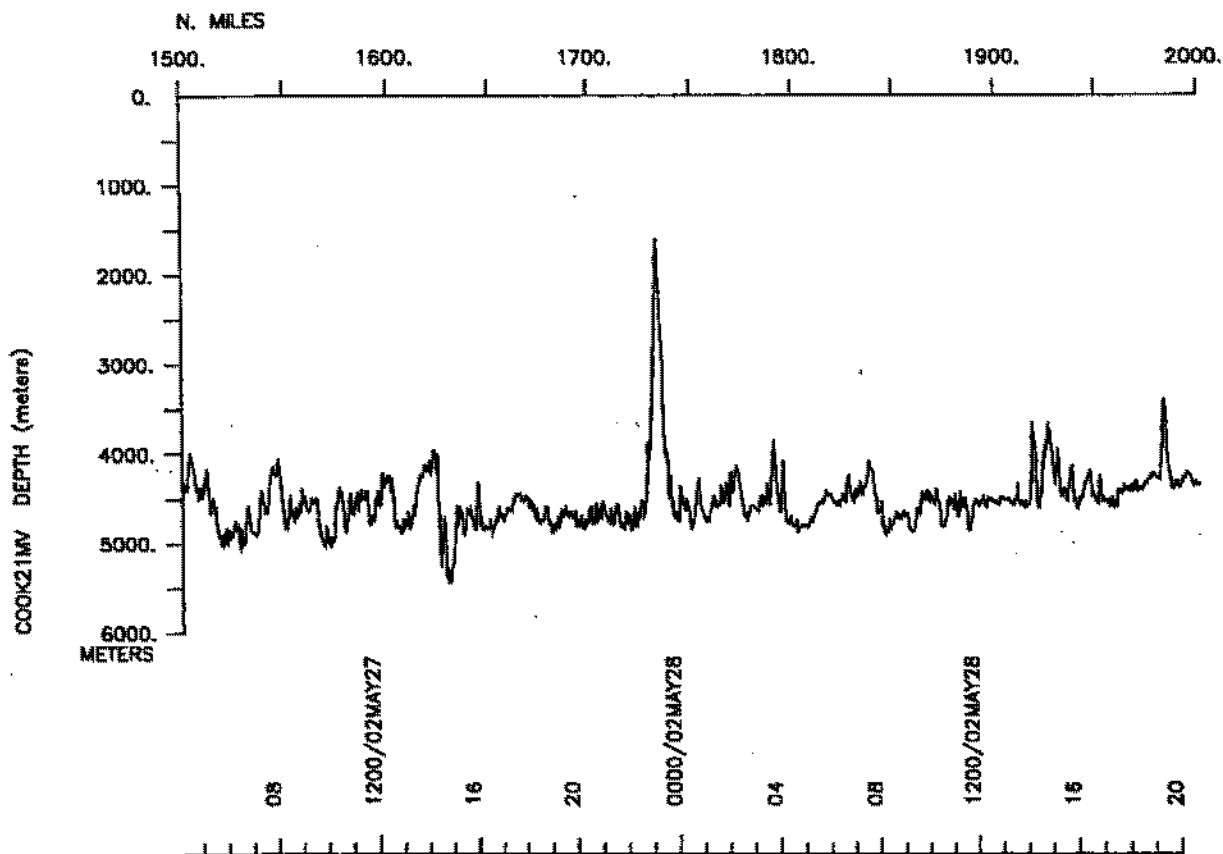
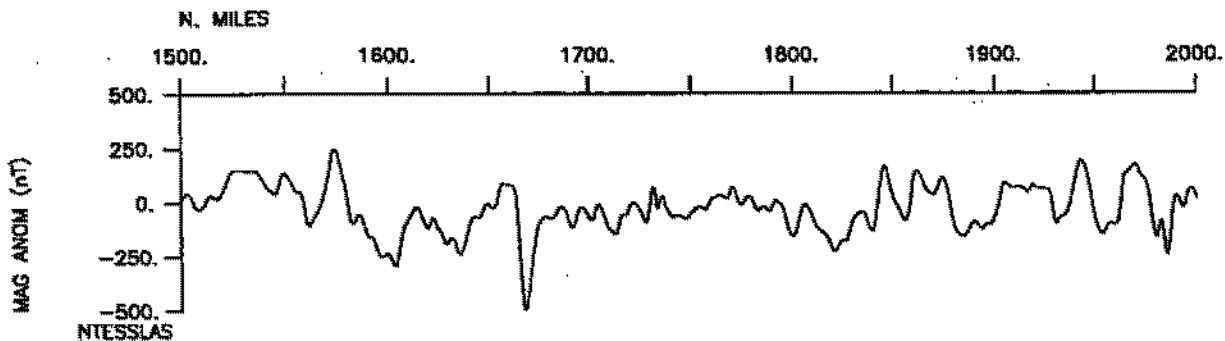
Honolulu, Hawaii - San Diego, California 22 - 30 May 2002:

2002 Jun 25 15:40:01

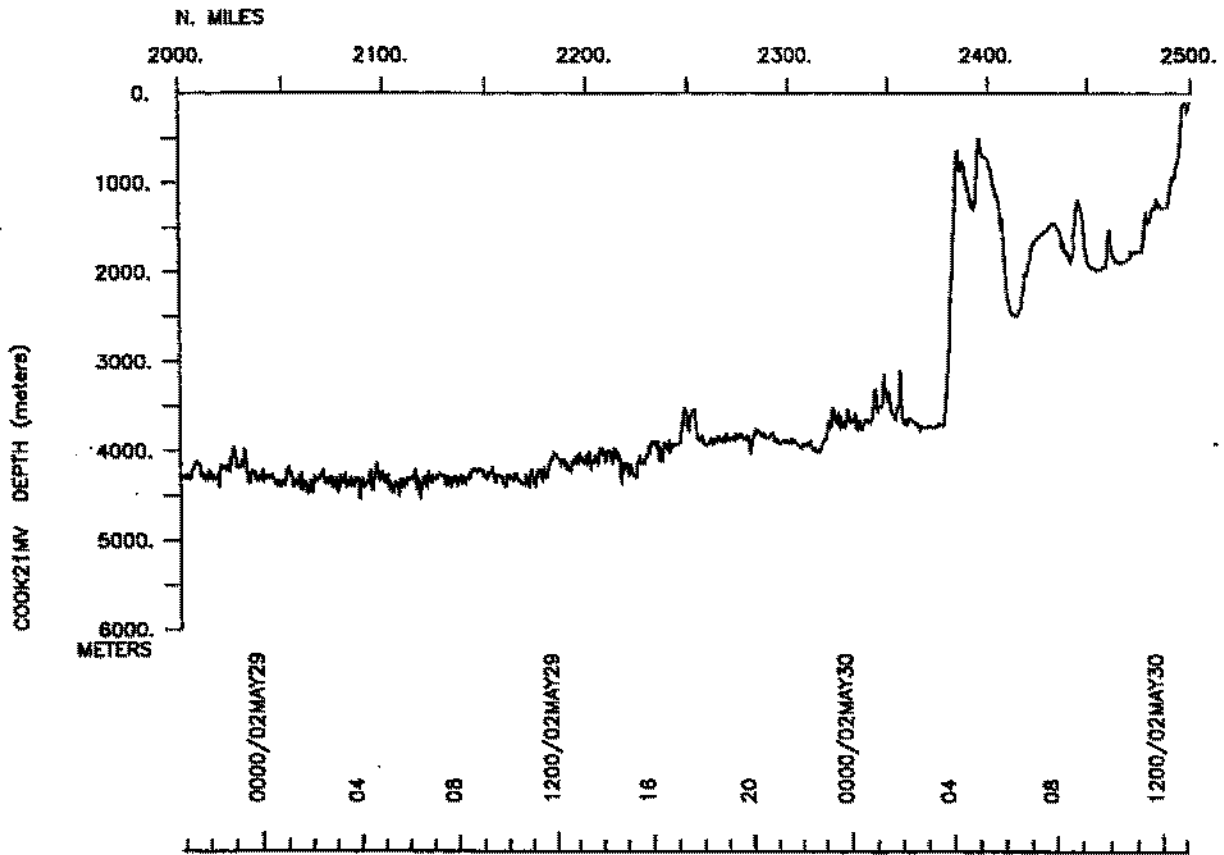
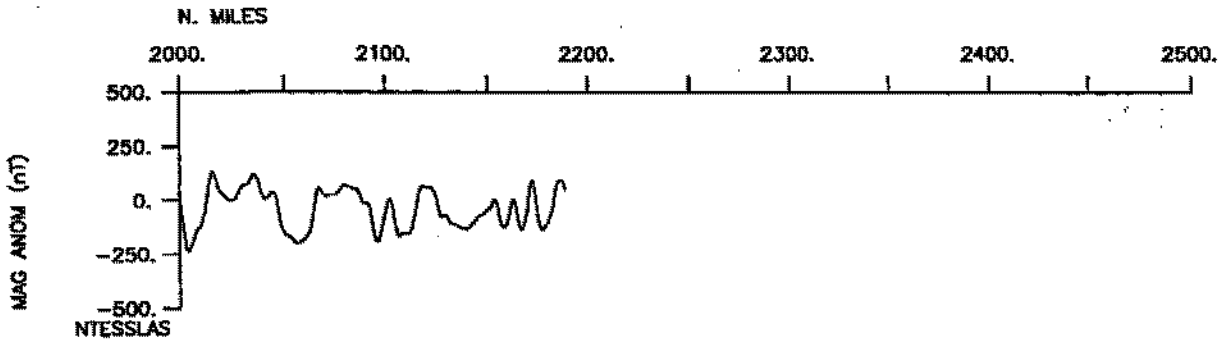
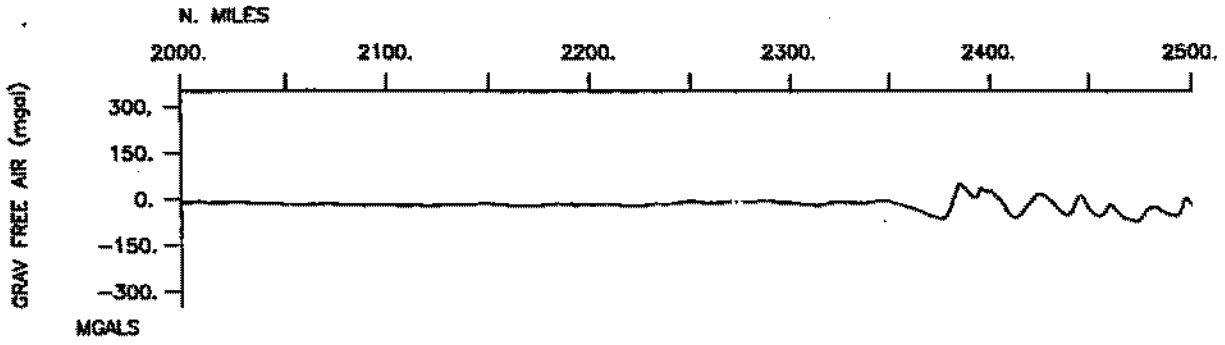


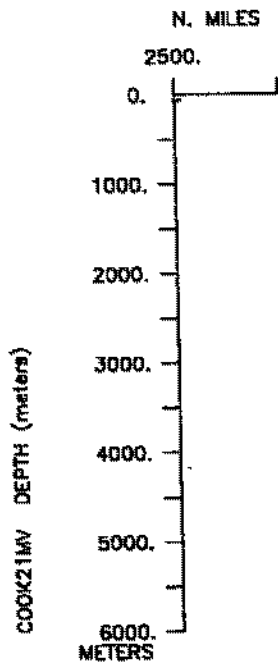
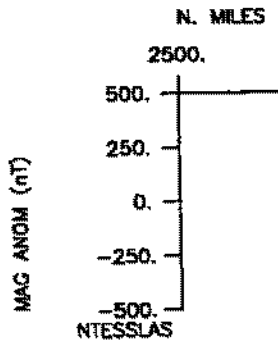
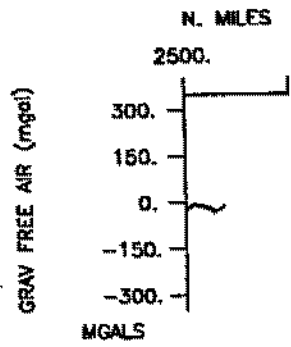












**S.I.O. Sample Index**

**Drift Expedition**

**Leg 16**

**(DRFT16RR)**

**R/V Revelle**

**(Issued July 2002)**

**PORTS:**

Honolulu, Hawaii (22 May 2002)

to

San Diego, California (30 May 2002)

**Chief Scientist: Peter Lonsdale**  
**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. 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 \*\*\*

0155 220502 LGPT B Honolulu, Hawaii 21-18.00N 157-52.00W f DRFT16RR  
 2102 300502 LGPT E San Diego, California 32-43.00N 117-11.00W f DRFT16RR

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

| #         | *****NAME***** | *****TITLE*****   | *****AFFILIATION***** | **CRID** |
|-----------|----------------|-------------------|-----------------------|----------|
| PECS MPL  | Lonsdale, P.   | Chief Scientist   | Scripps Institution   | DRFT16RR |
| PESP MPL  | Pinkel, R.     | Scientist         | Scripps Institution   | DRFT16RR |
| PECT SCG  | French, B.     | Computer Tech     | Scripps Institution   | DRFT16RR |
| PERT STS  | Biaz, T.       | Resident Tech     | Scripps Institution   | DRFT16RR |
| PEST SIO  | Massell, C.    | Grad. student     | Scripps Institution   | DRFT16RR |
| PEST SIO  | Stiles, M.     | Grad. student     | Scripps Institution   | DRFT16RR |
| PEST SIO  | leeuw, G. de   | Grad. student     | Scripps Institution   | DRFT16RR |
| PEST SIO  | Pompa, J.      | Grad. student     | Scripps Institution   | DRFT16RR |
| PEST SIO  | Lynch, S.      | Grad. student     | Scripps Institution   | DRFT16RR |
| PEST SIO  | Whitcraft, C.  | Grad. student     | Scripps Institution   | DRFT16RR |
| PEST SIO  | Aubrey, A.     | Grad. student     | Scripps Institution   | DRFT16RR |
| PEST SIO  | Young, A.      | Grad. student     | Scripps Institution   | DRFT16RR |
| PEST SIO  | Jaffee, L.     | Grad. student     | Scripps Institution   | DRFT16RR |
| PEST SIO  | Chase, A.      | Grad. student     | Scripps Institution   | DRFT16RR |
| PESP MPL  | Henderson, D.  | Technician        | Scripps Institution   | DRFT16RR |
| PESP MPL  | Bui, M.        | Engineer          | Scripps Institution   | DRFT16RR |
| PESP MPL  | Goldin, M.     | Engineer          | Scripps Institution   | DRFT16RR |
| PEST UCSD | Carrilli, J.   | Undergrad student | Scripps Institution   | DRFT16RR |
| PEST UCSD | Hickey, B.     | Undergrad student | Scripps Institution   | DRFT16RR |

\*\*\*\* 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 DDMYY | 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 EM120) \*\*\*

0304 220502 0 MBSI B multibeam data GDC 21-16.65N 157-52.74W g DRFT16RR  
 1344 300502 0 MBSI E multibeam data GDC 32-36.79N 117-15.83W g DRFT16RR

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

1628 220502 0 MGDD B digital magnetics GDC 21-39.52N 155-02.06W g DRFT16RR  
 1223 290502 0 MGDD E digital magnetics GDC 29-50.46N 122-11.44W g DRFT16RR

\*\*\*\* Digital Gravity \*\*\*

0155 220502 0 GVDD B digital gravity GDC 21-18.98N 157-53.17W g DRFT16RR  
 2102 300502 0 GVDD E digital gravity GDC 32-42.40N 117-14.18W g DRFT16RR