

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

**Drift Expedition**

**Leg 1**

**(DRFT01RR)**

**R/V Revelle**

**(Issued October 2001)**

**Ports:**

San Diego, California (14 May 2001)

to

San Diego, California (31 May 2001)

**Chief Scientist: Dr. Fred Spiess**  
Scripps Institution of Oceanography  
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Computer Tech – Jim Charters

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

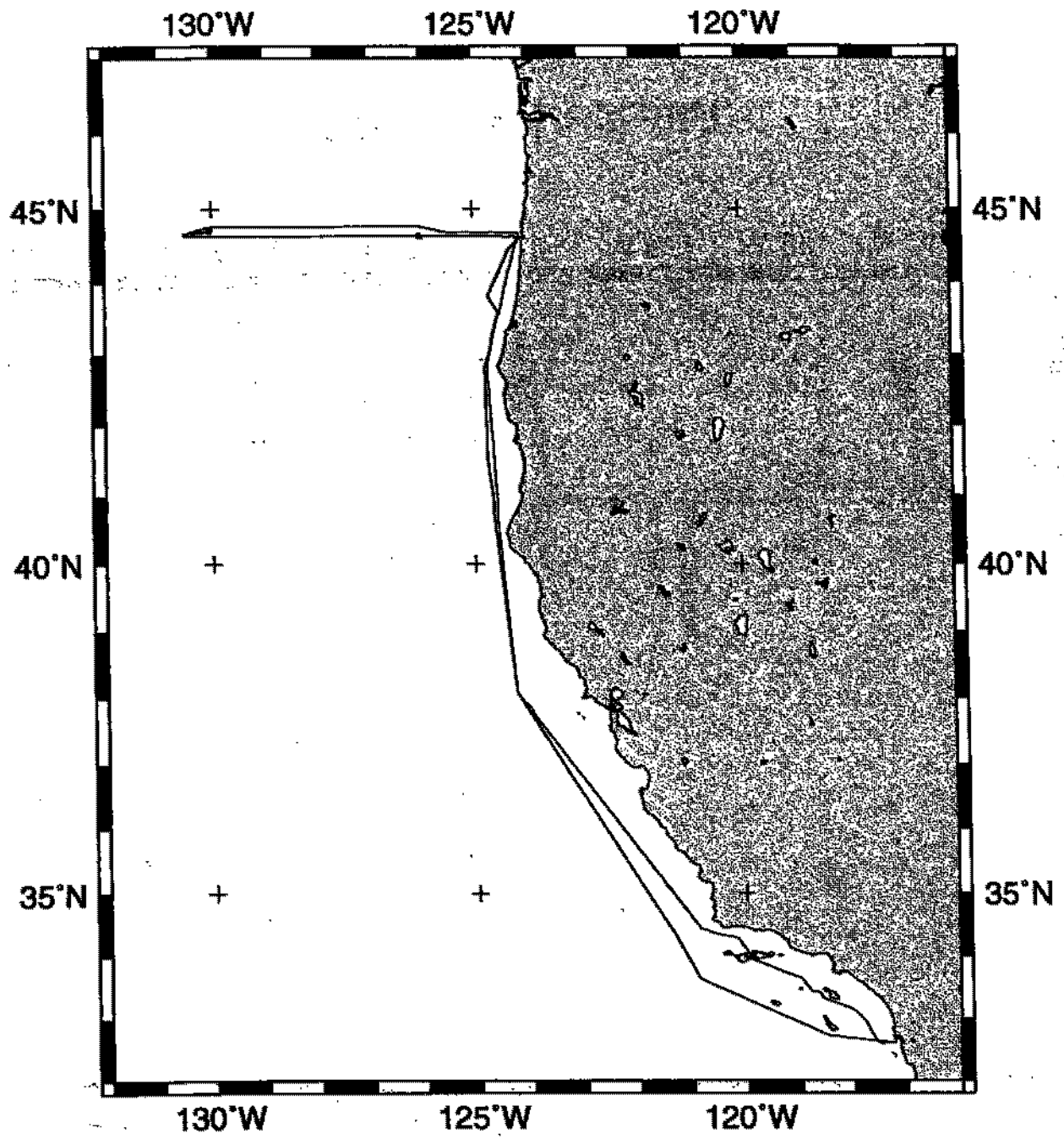
**Profiles** – depth, magnetic and gravity free air anomaly vs. distance. (Sections of track with seismic reflection data have a wide black line along the bottom of the profile.)

**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 1 (DRFT01RR)**

**CHIEF SCIENTIST: Dr. Fred Spiess, Scripps Institution**

**PORTS: San Diego - San Diego, Calif.**

**DATES: 14 - 31 May 2001**

**SHIP: R/V Melville**

**TOTAL MILEAGE OF UNDERWAY DATA COLLECTED**

**Cruise-2468 miles**

**Magnetics-none collected**

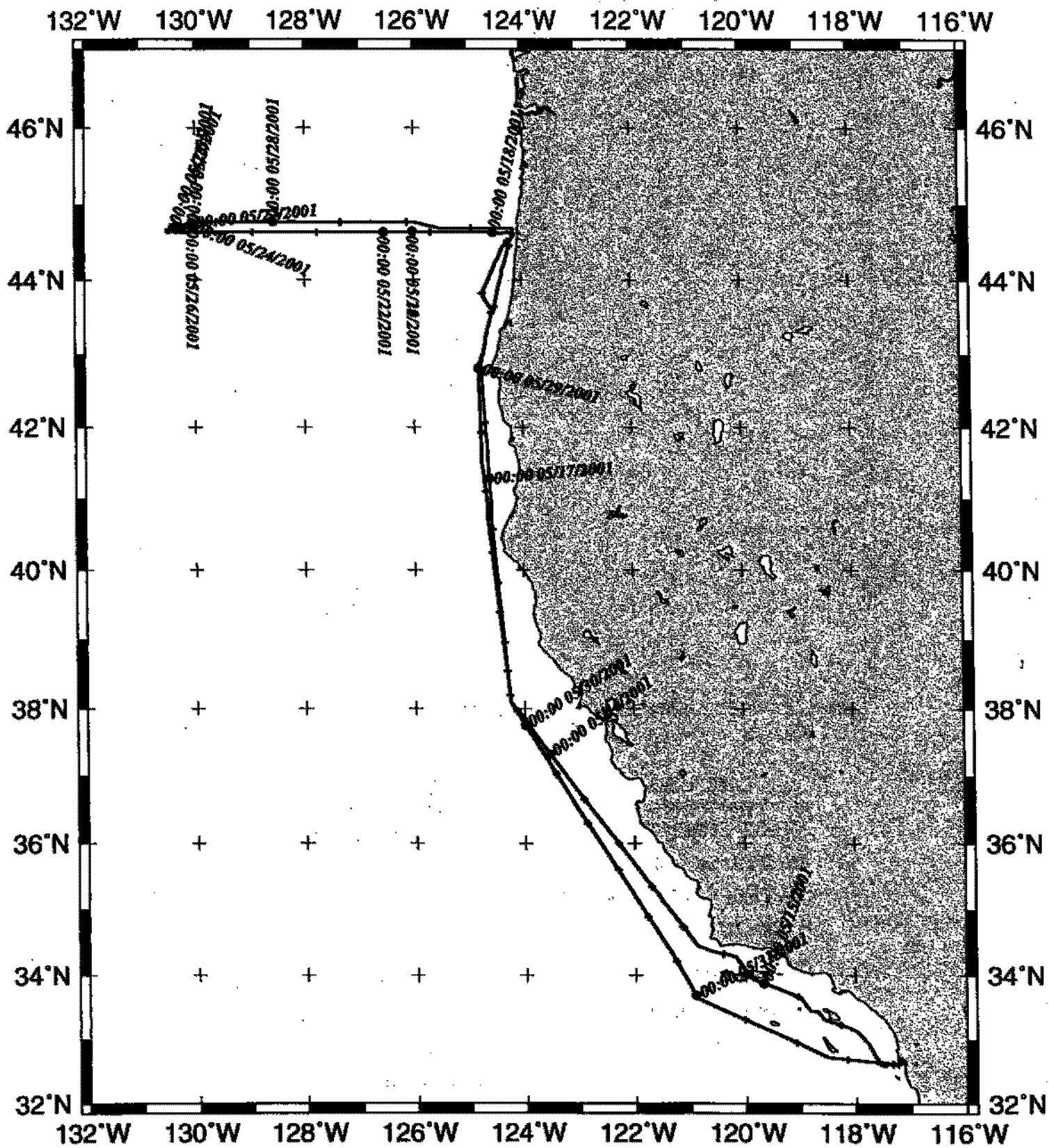
**Bathymetry-2333 miles**

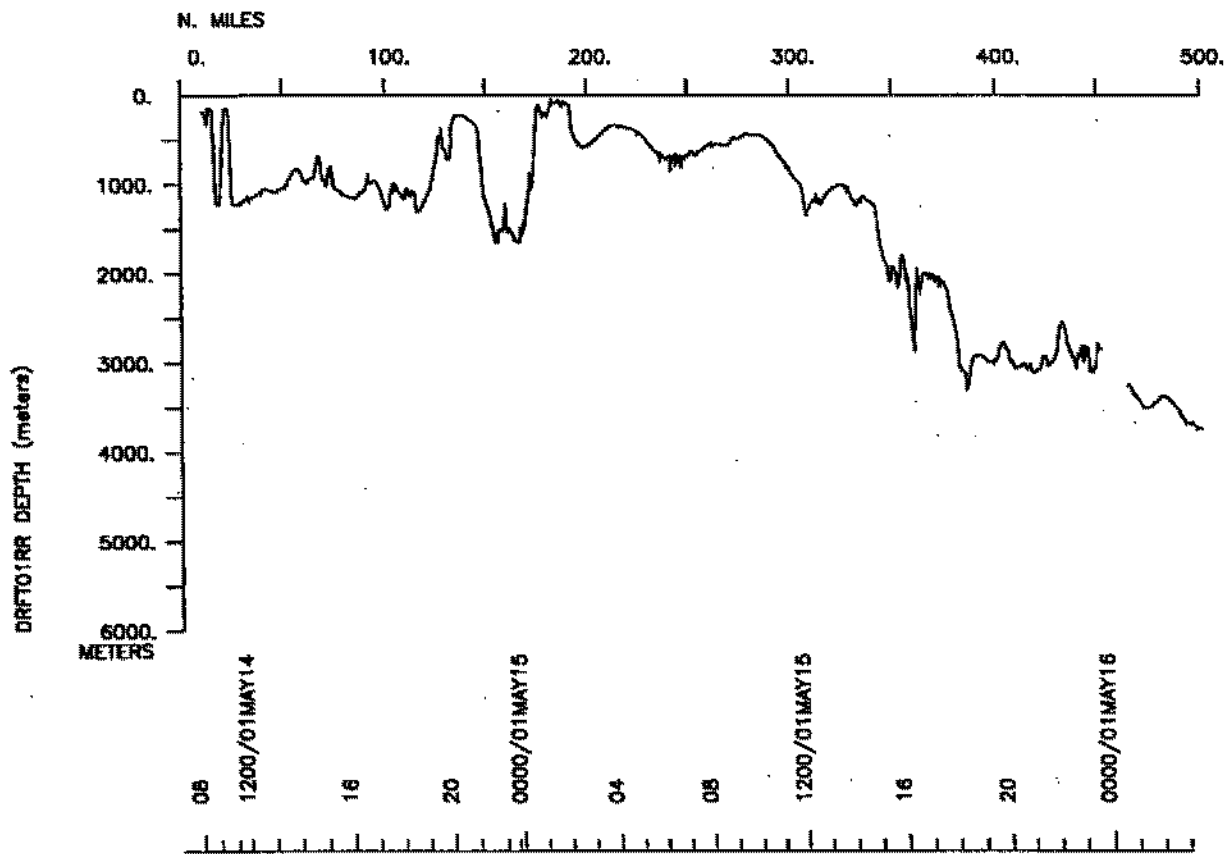
**Seismic Reflection-none collected**

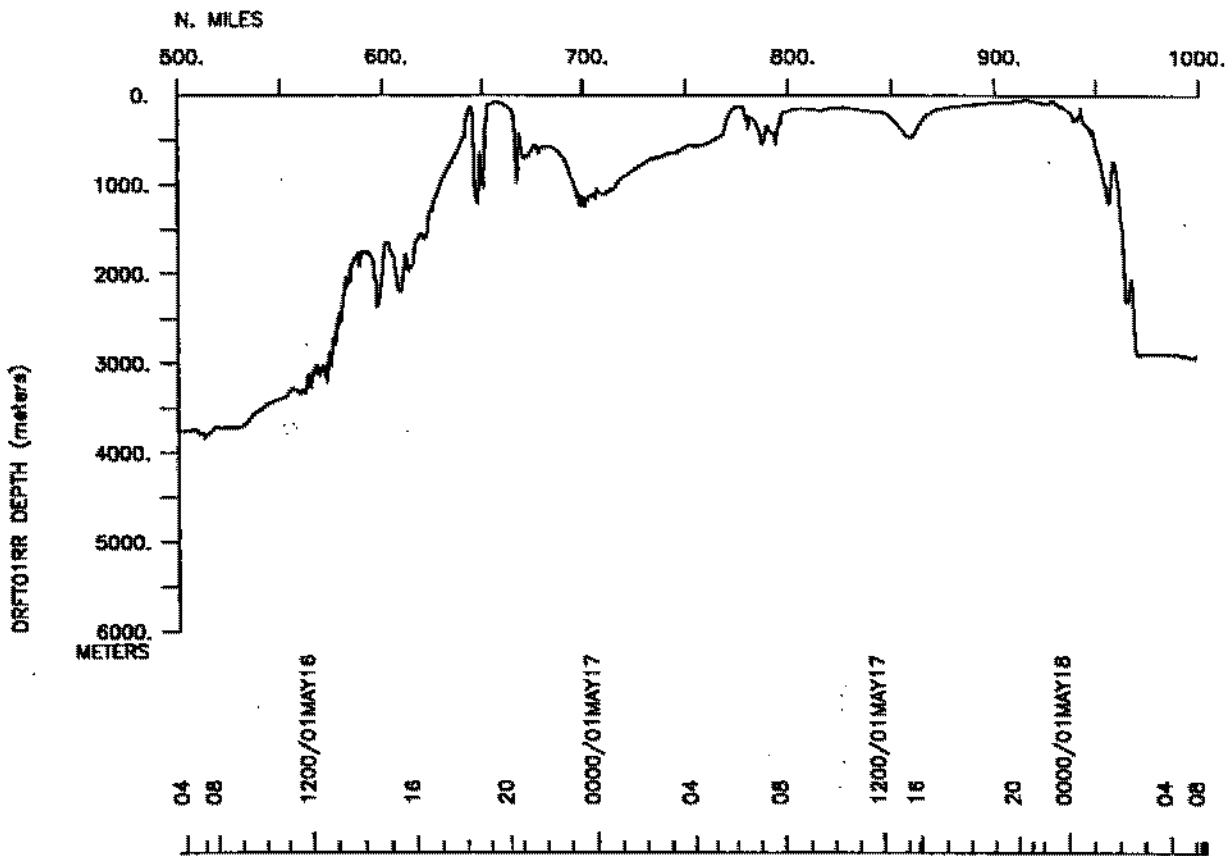
**Sea Beam-2333 miles**

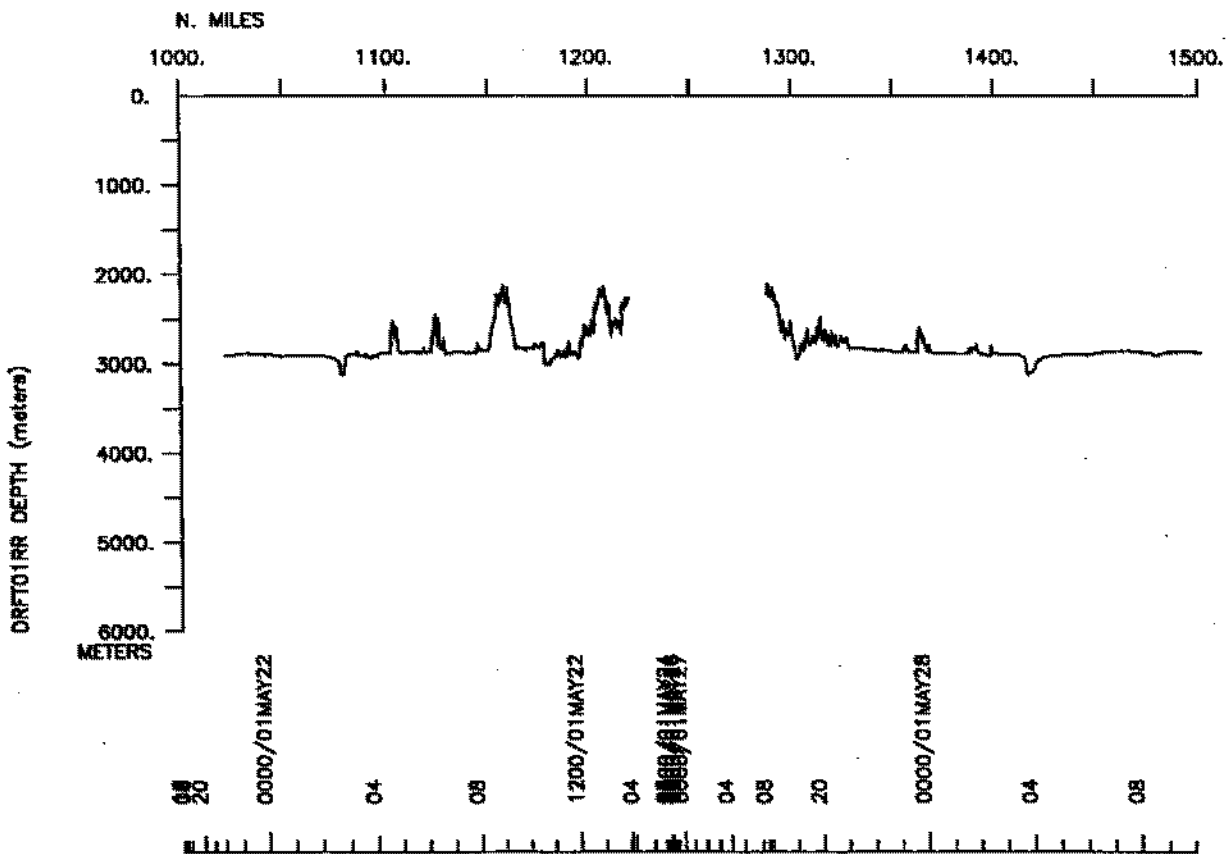
**Gravity-none collected**

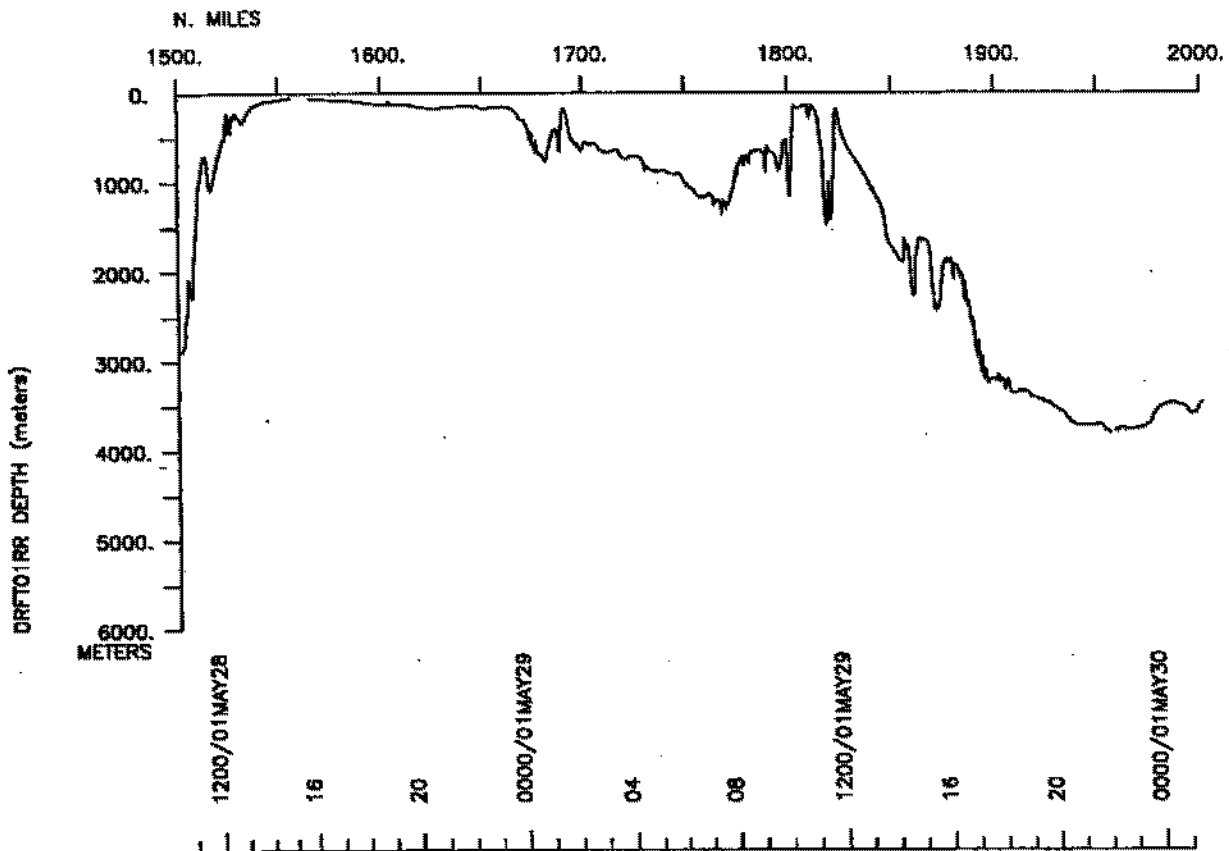
# DRIFT-RR leg 1 Track



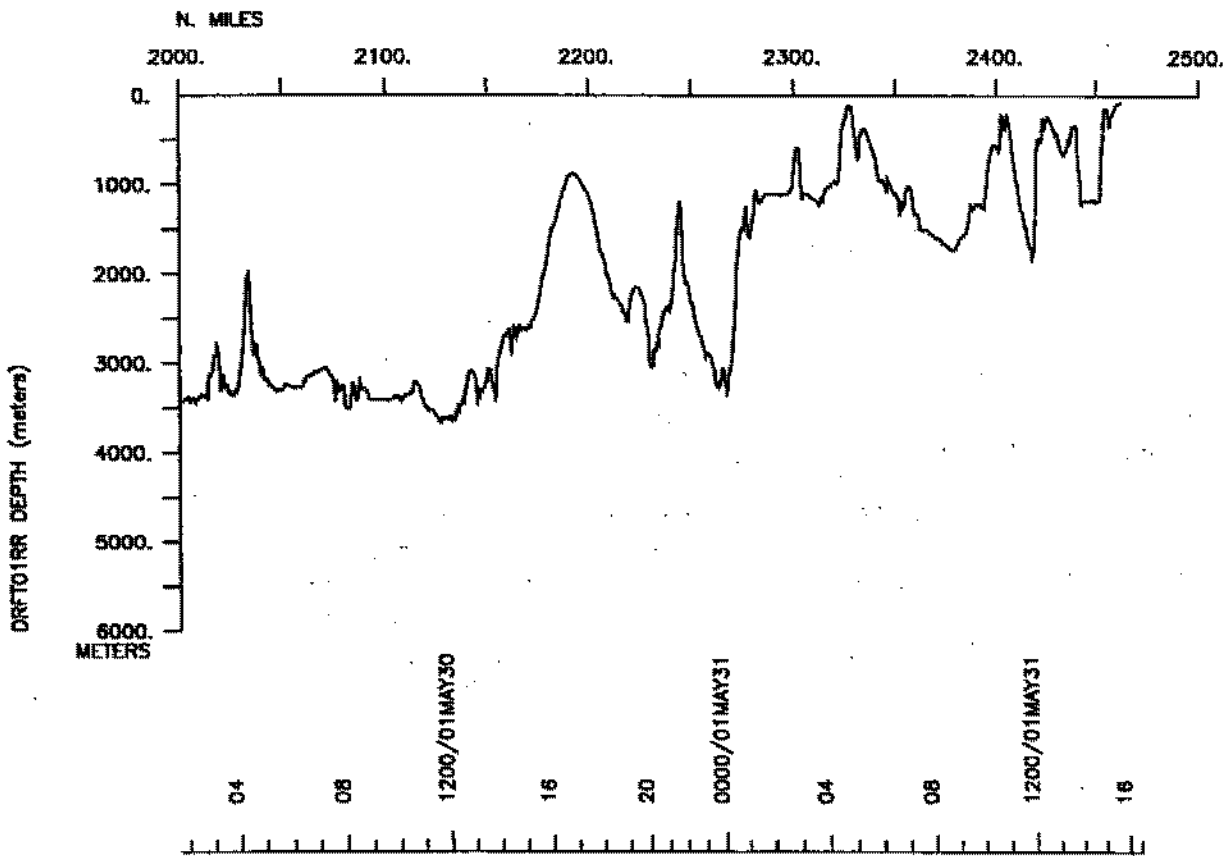












**S.I.O. Sample Index**

**Drift Expedition**

**Leg 1**

**(DRFT01RR)**

R/V Revelle

(Issued October 2001)

**PORTS:**

San Diego, California (14 May 2001)

to

San Diego, California (31 May 2001)

**Chief Scientist: Dr. Fred Spiess**  
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 \*\*\*

0700	140501	LGPT B San Diego, CA	32-43.00N 117-11.00W	f	DRFT01RR
1715	310501	LGPT E San Diego, CA	32-43.00N 117-11.00W	f	DRFT01RR

## \*\*\* Personnel \*\*\*

#	*****NAME*****	*****TITLE*****	*****AFFILIATION*****	**CRID**
PECS MPL	Dr. Spiess, F.	Chief Scientist	Scripps Institution	DRFT01RR
PECT SCG	Charters, J.	Computer Tech	Scripps Institution	DRFT01RR
PESP STS	Patrick, R.	CDT Tech	Scripps Institution	DRFT01RR
PEST MPL	deMoustier C.	Scientist	Scripps Institution	DRFT01RR
PEST SIX	Stewart, S.	Scientist	Applanix	DRFT01RR
PEST MPL	Chadwell, D.	Scientist	Scripps Institution	DRFT01RR
PEVL MPL	Jeffrey, B.	Scientist	Scripps Institution	DRFT01RR
PESP MPL	Doyle, E.	Student	Scripps Institution	DRFT01RR
PESP MPL	Sansom, V.	Student	Scripps Institution	DRFT01RR
PEVL MPL	Langford, A.	Scientist	Scripps Institution	DRFT01RR
PEVL MPL	Konijn, N.	Scientist	Scripps Institution	DRFT01RR
PESP MPL	Kussat, N.	Student	Scripps Institution	DRFT01RR
PEVL MPL	Gordon, G.	Scientist	Scripps Institution	DRFT01RR
PEVL MPL	Murphy, B.	Scientist	Scripps Institution	DRFT01RR

## \*\*\* 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) \*\*\*

0802	140501	0	MBSI B	Simrad multibeam	STS	32-37.09N 117-20.94W	g	DRFT01RR
1552	310501	0	MBSI E	Simrad multibeam	STS	32-36.99N 117-16.73W	g	DRFT01RR

## \*\*\* Conductivity, Temperature, Depth \*\*\*

2246	140501	0	TDCT B	CTD #1TEST	MPL	33-51.48N 119-38.36W	g	DRFT01RR
2339	140501	0	TDCT E	CTD #1TEST	MPL	33-51.48N 119-38.36W	g	DRFT01RR
0754	180501	0	TDCT B	CTD #1	MPL	44-38.43N 126-00.40W	g	DRFT01RR
0955	180501	0	TDCT E	CTD #1	MPL	44-38.43N 126-00.40W	g	DRFT01RR
1411	180501	0	TDCT B	CTD #2	MPL	44-38.42N 126-00.46W	g	DRFT01RR
1804	180501	0	TDCT E	CTD #2	MPL	44-38.42N 126-00.46W	g	DRFT01RR
1913	180501	0	TDCT B	CTD #3	MPL	44-38.43N 126-00.39W	g	DRFT01RR
1946	180501	0	TDCT E	CTD #3	MPL	44-38.44N 126-00.40W	g	DRFT01RR

#GMT	DDMMYY	SAMP	B	SAMPLE	DISP				p	CRUISE
#TIME	DATE	TZ	CODE	E IDENTIFIER	CODE	LATITUDE	LONGITUDE		c	LEG-SHIP
2106	180501	0	TDCT	B CTD #4	MPL	44-38.44N	126-00.40W	g		DRFT01RR
2140	180501	0	TDCT	E CTD #4	MPL	44-38.44N	126-00.40W	g		DRFT01RR
2306	180501	0	TDCT	B CTD #5	MPL	44-38.44N	126-00.40W	g		DRFT01RR
0102	190501	0	TDCT	E CTD #5	MPL	44-38.44N	126-00.40W	g		DRFT01RR
0129	190501	0	TDCT	B CTD #6	MPL	44-38.43N	126-00.43W	g		DRFT01RR
0707	190501	0	TDCT	E CTD #6	MPL	44-38.44N	126-00.40W	g		DRFT01RR
0828	190501	0	TDCT	B CTD #7	MPL	44-38.44N	126-00.40W	g		DRFT01RR
0901	190501	0	TDCT	E CTD #7	MPL	44-38.44N	126-00.40W	g		DRFT01RR
0939	190501	0	TDCT	X CTD #8 malfunction	MPL	44-38.44N	126-00.40W	g		DRFT01RR
1332	190501	0	TDCT	B CTD #9	MPL	44-38.44N	126-00.40W	g		DRFT01RR
1405	190501	0	TDCT	E CTD #9	MPL	44-38.44N	126-00.40W	g		DRFT01RR
1909	190501	0	TDCT	B CTD #10 Continous	MPL	44-38.44N	126-00.40W	g		DRFT01RR
1406	200501	0	TDCT	E CTD #10 Continous	MPL	44-38.44N	126-00.40W	g		DRFT01RR
1949	200501	0	TDCT	B CTD #11 Continous	MPL	44-38.44N	126-00.40W	g		DRFT01RR
1356	210501	0	TDCT	E CTD measurment	MPL	44-38.44N	126-00.41W	g		DRFT01RR
1448	210501	0	TDCT	B CTD #12 Continous	MPL	44-38.44N	126-00.40W	g		DRFT01RR
1759	210501	0	TDCT	E CTD measurment	MPL	44-38.43N	126-00.40W	g		DRFT01RR
0805	230501	0	TDCT	B CTD #13 2843M	MPL	44-42.75N	130-02.57W	g		DRFT01RR
1006	230501	0	TDCT	E CTD #13 2843M	MPL	44-42.75N	130-02.58W	g		DRFT01RR
1026	230501	0	TDCT	B CTD #14 Continous	MPL	44-42.75N	130-02.57W	g		DRFT01RR
1435	240501	0	TDCT	E measurment to 500M	MPL	44-42.74N	130-02.59W	g		DRFT01RR
1526	240501	0	TDCT	B CTD #15 Continous	MPL	44-42.74N	130-02.57W	g		DRFT01RR
0201	250501	0	TDCT	E measurment to 500M	MPL	44-42.74N	130-02.58W	g		DRFT01RR
1528	250501	0	TDCT	B CTD #17 Continous	MPL	44-42.74N	130-02.58W	g		DRFT01RR
1730	250501	0	TDCT	E measurment to 500M	MPL	44-42.74N	130-02.58W	g		DRFT01RR
1811	250501	0	TDCT	B CTD #18 Continous	MPL	44-42.74N	130-02.58W	g		DRFT01RR
1206	260501	0	TDCT	E measurment to 500M	MPL	44-42.74N	130-02.58W	g		DRFT01RR
1236	260501	0	TDCT	B CTD #19 Continous	MPL	44-42.74N	130-02.58W	g		DRFT01RR
1531	260501	0	TDCT	E measurment to 500M	MPL	44-42.74N	130-02.58W	g		DRFT01RR
1613	260501	0	TDCT	B CTD #20 Continous	MPL	44-42.74N	130-02.58W	g		DRFT01RR
2309	260501	0	TDCT	E measurment to 500M	MPL	44-42.74N	130-02.58W	g		DRFT01RR

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

0246	160501	0	BTXP	MK12 # 5	T-5 GDC	37-46.58N	123-57.12W	g		DRFT01RR
1900	160501	0	BTXP	MK12 # 6	T-5 GDC	40-24.95N	124-32.71W	g		DRFT01RR
1909	160501	0	BTXP	MK12 # 7	T-5 GDC	40-26.80N	124-32.93W	g		DRFT01RR
2056	160501	0	BTXP	MK12 # 8	T-5 GDC	40-39.65N	124-34.43W	g		DRFT01RR
0045	170501	0	BTXP	MK12 # 9	T-5 GDC	41-26.18N	124-37.75W	g		DRFT01RR
0136	180501	0	BTXP	MK12 # 10	T-5 GDC	44-37.97N	124-59.45W	g		DRFT01RR
0145	180501	0	BTXP	MK12 # 11	T-5 GDC	44-38.04N	125-02.12W	g		DRFT01RR
0116	220501	0	BTXP	MK12 # 12	T-5 GDC	44-38.01N	126-55.41W	g		DRFT01RR
***										
0957	140501	0	BTXP	MK12 # 1 Fast_Deep	GDC	32-35.58N	117-29.31W	g		DRFT01RR
1958	140501	0	BTXP	MK12 # 2 Fast_Deep	GDC	33-39.66N	119-03.04W	g		DRFT01RR
0434	150501	0	BTXP	MK12 # 3 Fast_Deep	GDC	34-20.99N	120-32.60W	g		DRFT01RR
1901	150501	0	BTXP	MK12 # 4 Fast_Deep	GDC	36-29.69N	122-45.23W	g		DRFT01RR

# End Sample Index DRFT01RR