

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

Leg 9

(DRFT09RR)

R/V Revelle

(Issued May 2002)

Ports:

**Lyttleton, New Zealand (25 February 2002)
to
Pago Pago, American Samoa (07 March 2002)**

**Chief Scientist: Eric Terrill
Scripps Institution of Oceanography
eterrill@ucsd.edu**

**Computer Tech – Steve Foley
Resident Tech – Ron Patrick**

**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

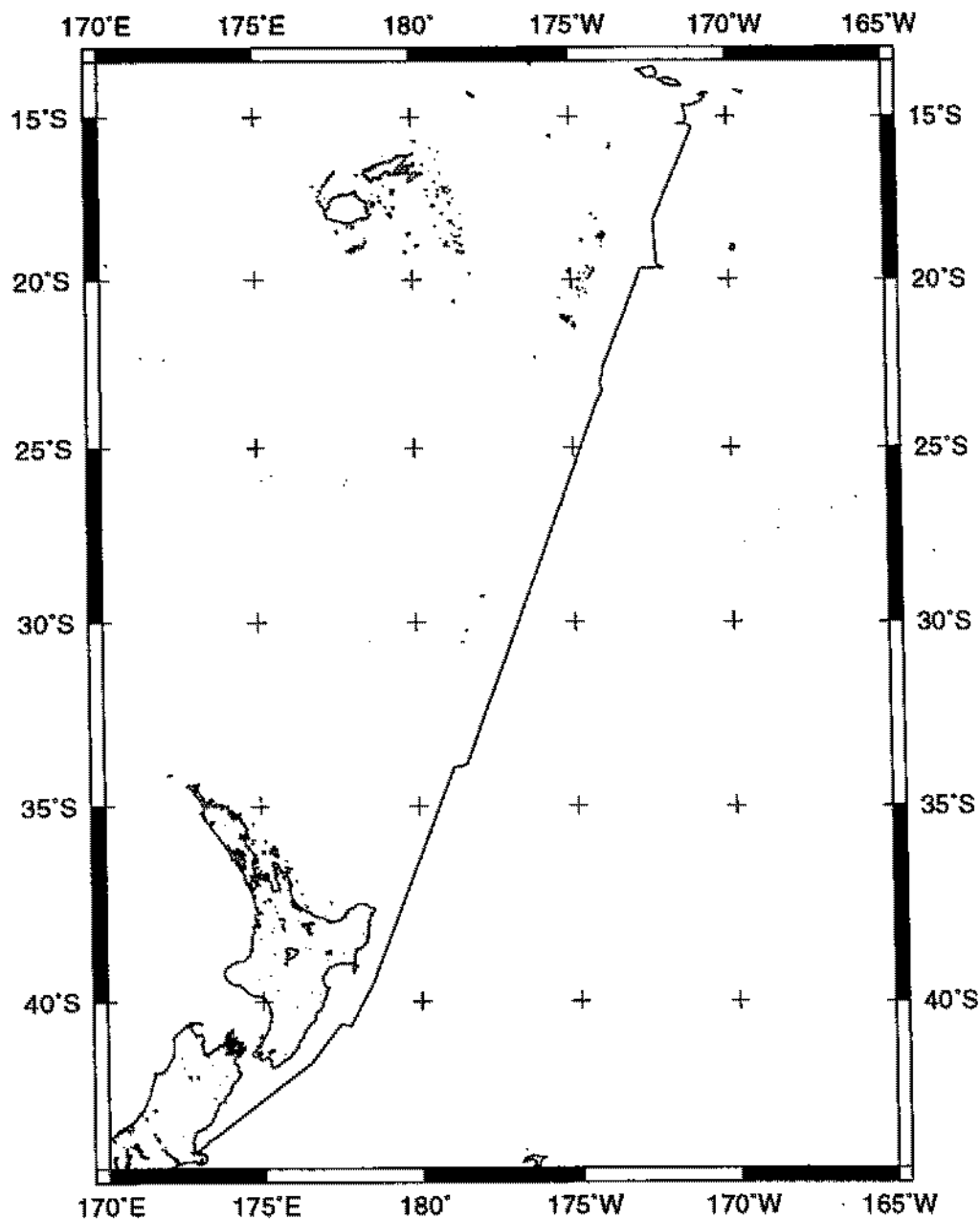
Profiles – depth, magnetic and gravity free air anomaly vs. distance. (Sections of track with seismic reflection data have a wide black line along the bottom of the profile.)

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; or his Website: <http://SIOExplorer@ucsd.edu>

Rev 6/2001



DRIFT EXPEDITION LEG 9 (DRFT09RR)

CHIEF SCIENTIST: Eric Terrill, Scripps Institution

PORTS: Lyttleton, New Zealand - Pago Pago, Amer. Samoa

DATES: 25 February - 07 March 2002

SHIP: R/V Revelle

TOTAL MILEAGE OF UNDERWAY DATA COLLECTED

Cruise-2132 miles

Magnetics-none collected

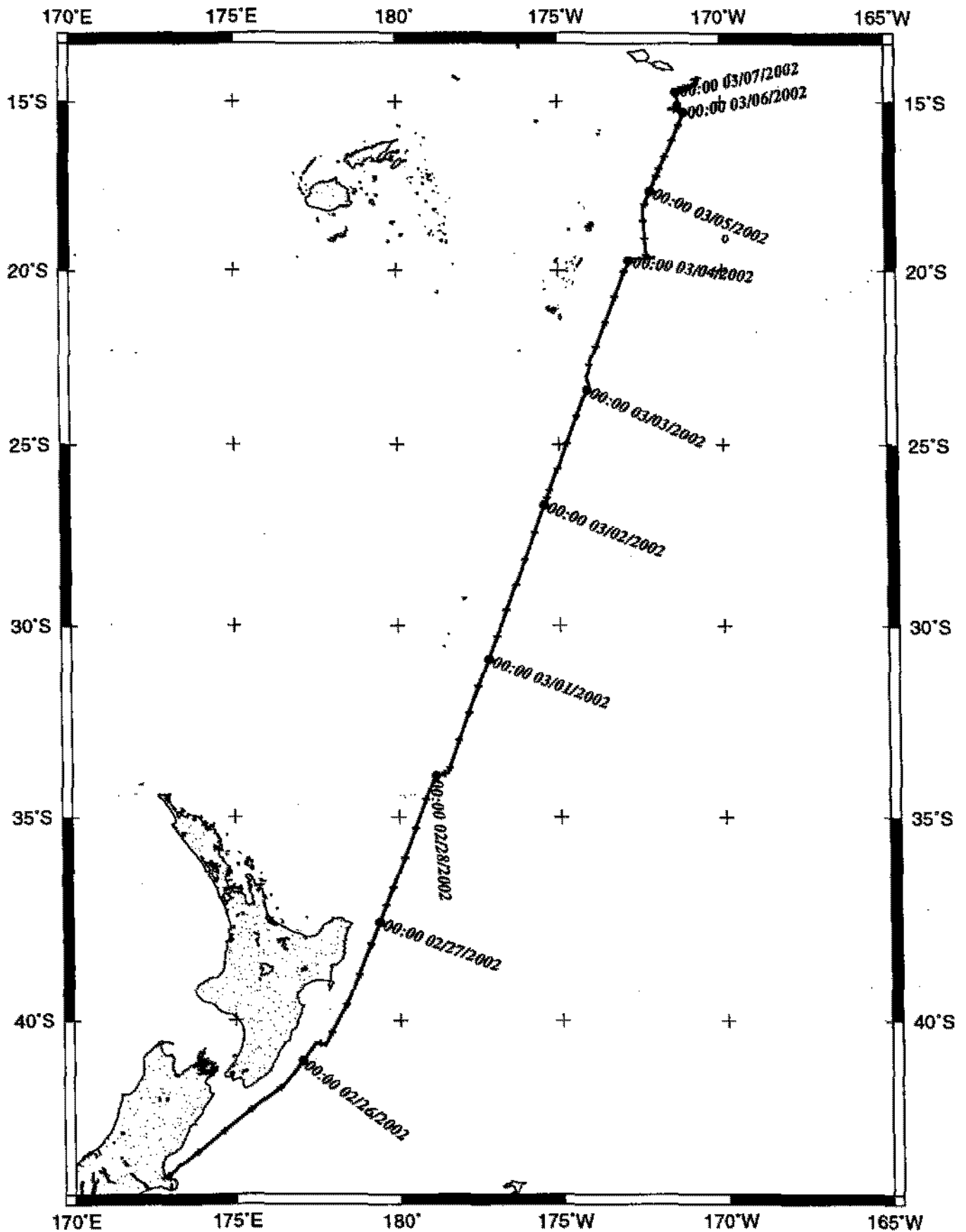
Bathymetry-1747 miles

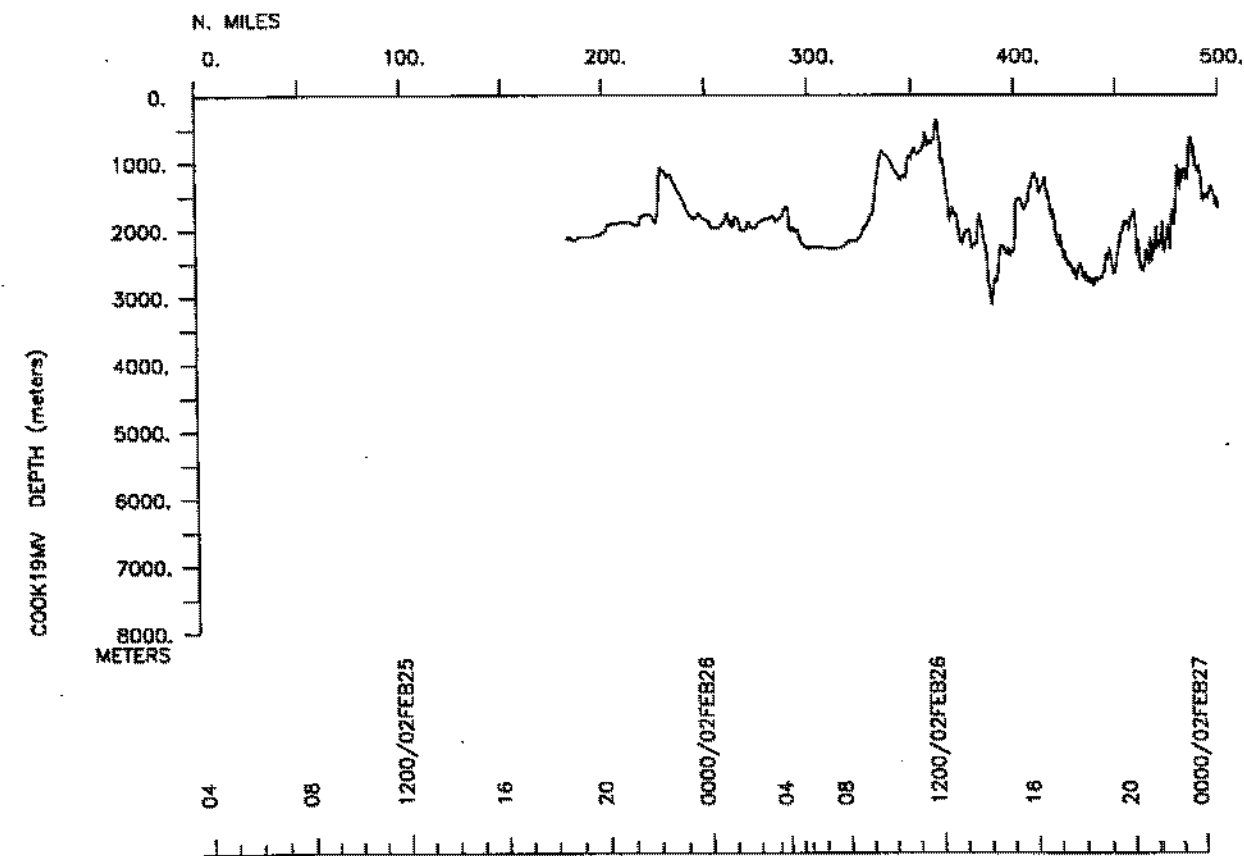
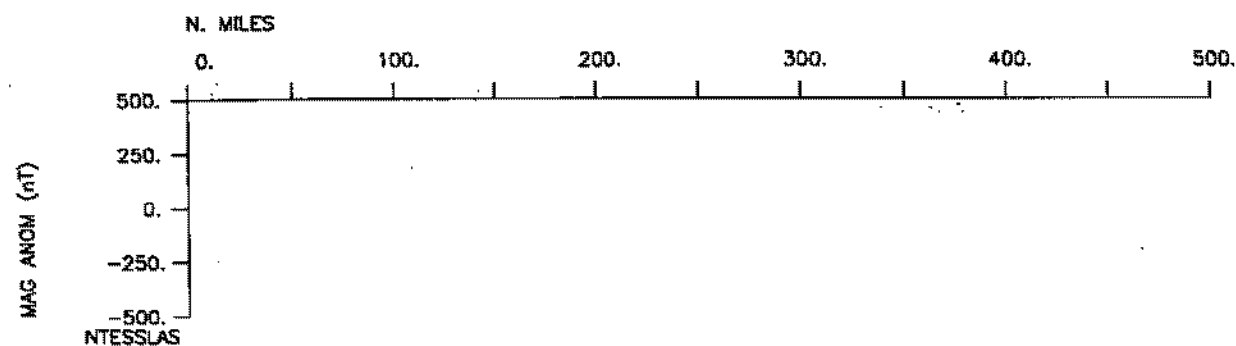
Seismic Reflection-none collected

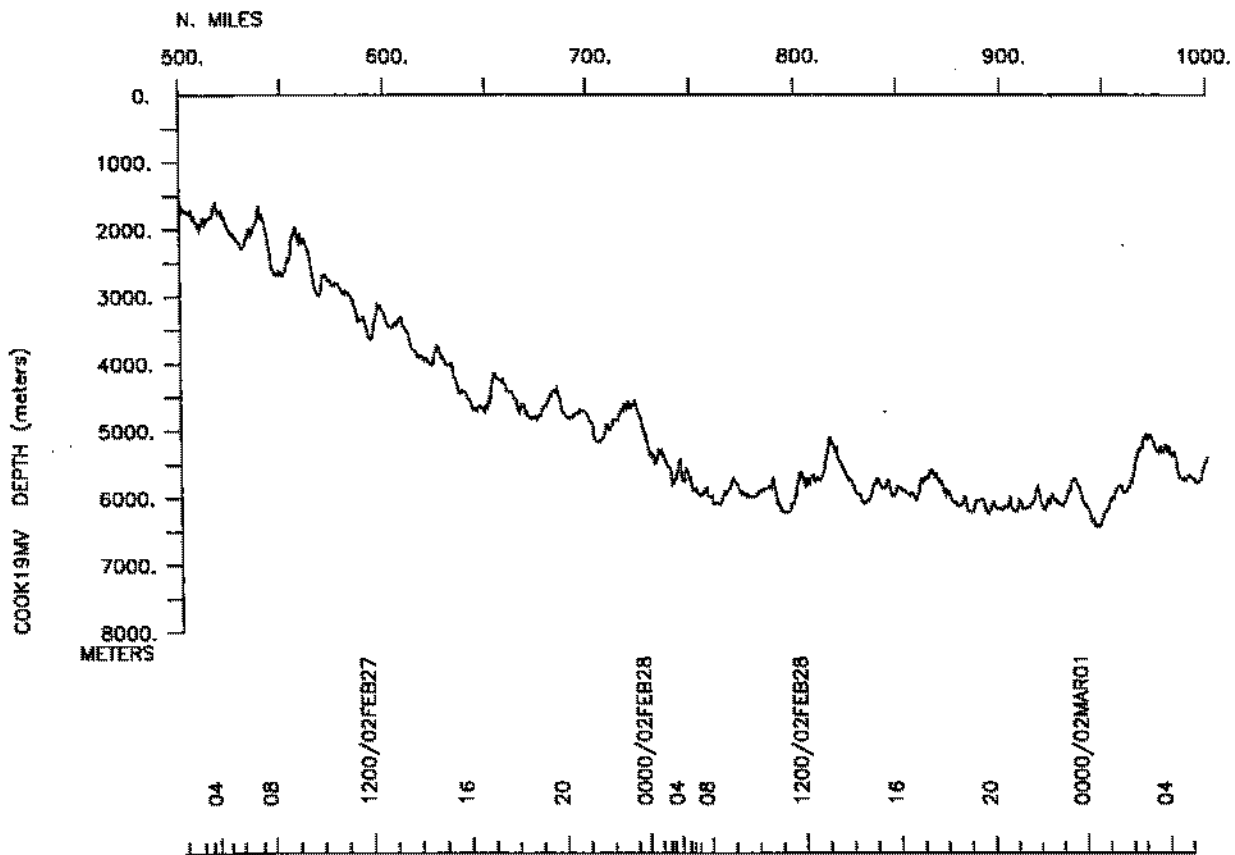
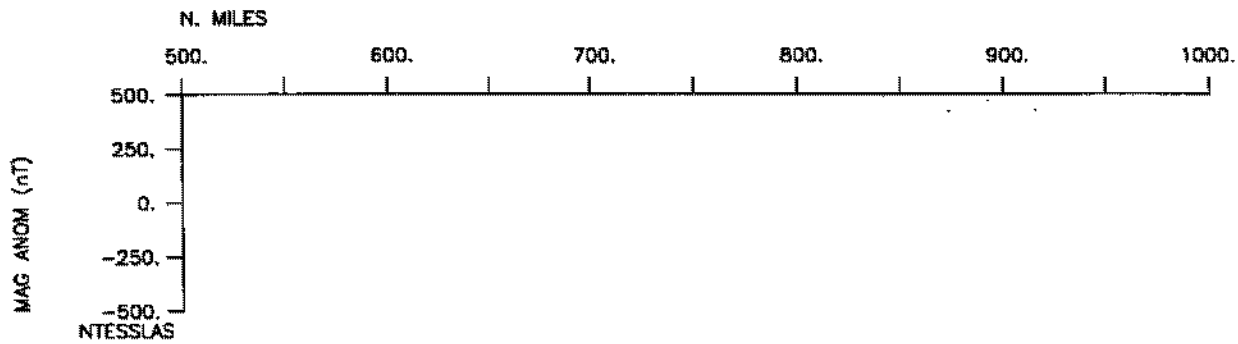
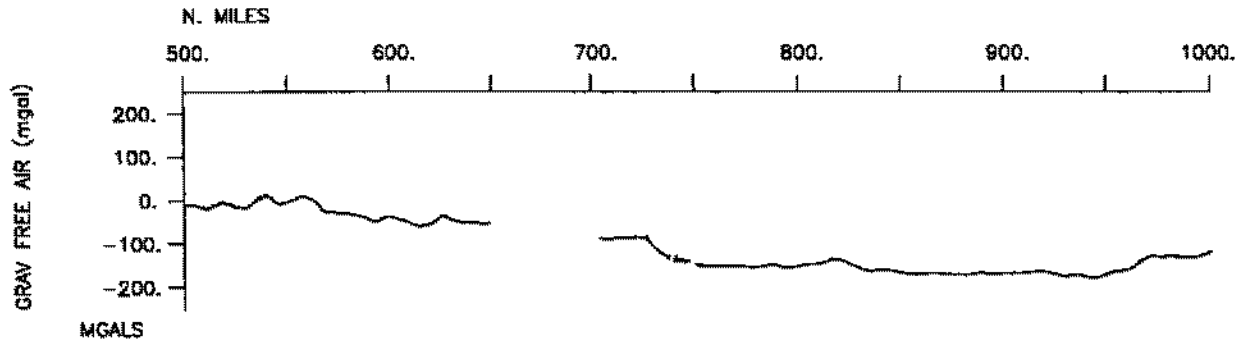
Multibeam-1747 miles

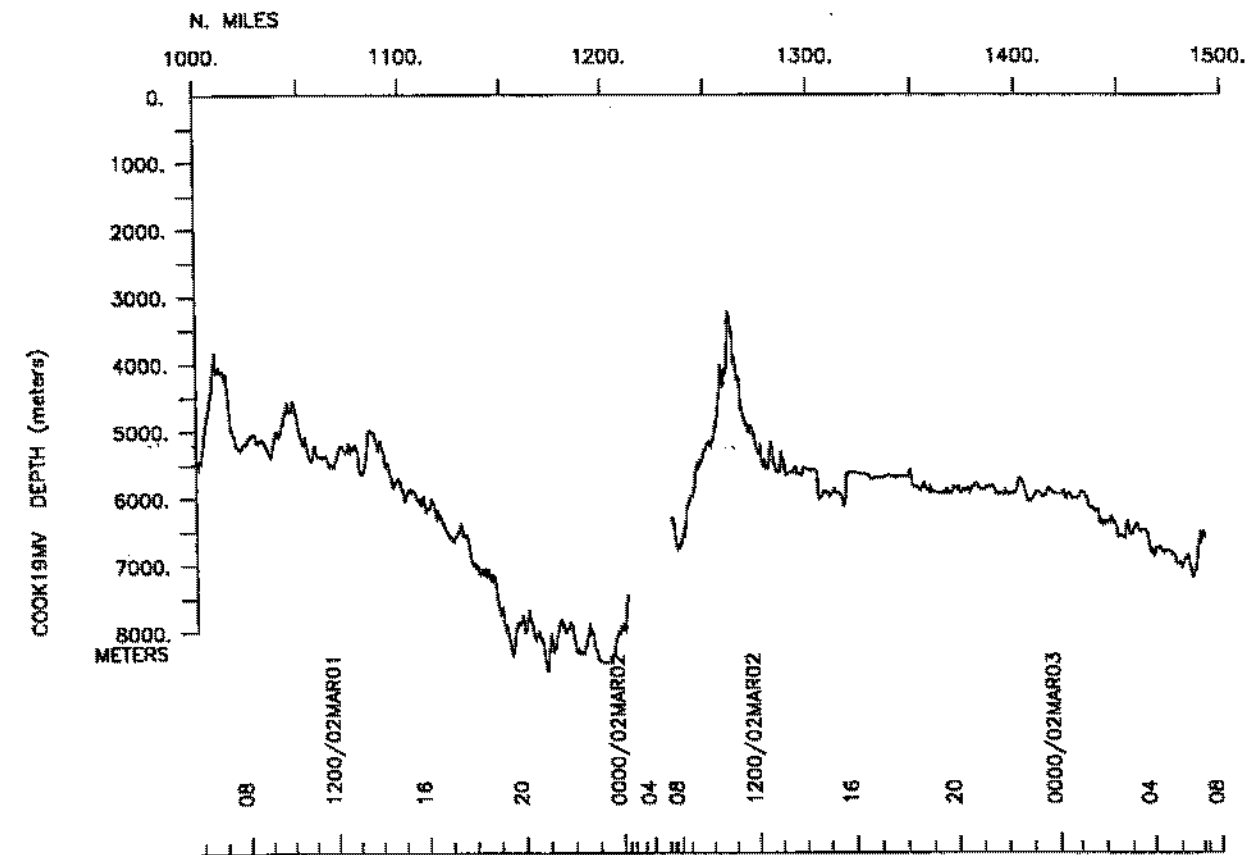
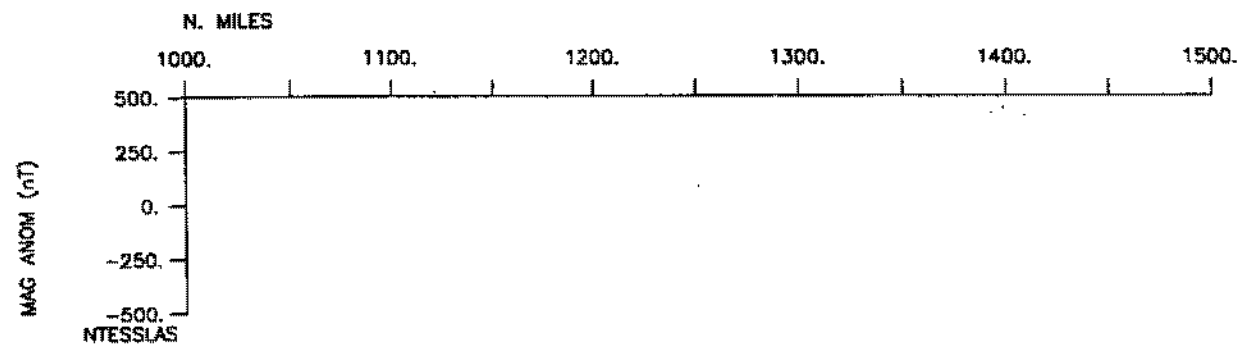
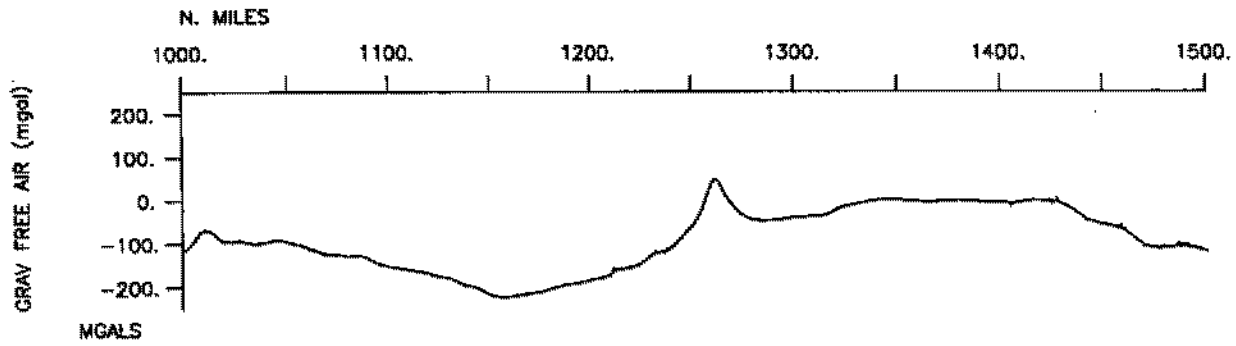
Gravity-2112 miles

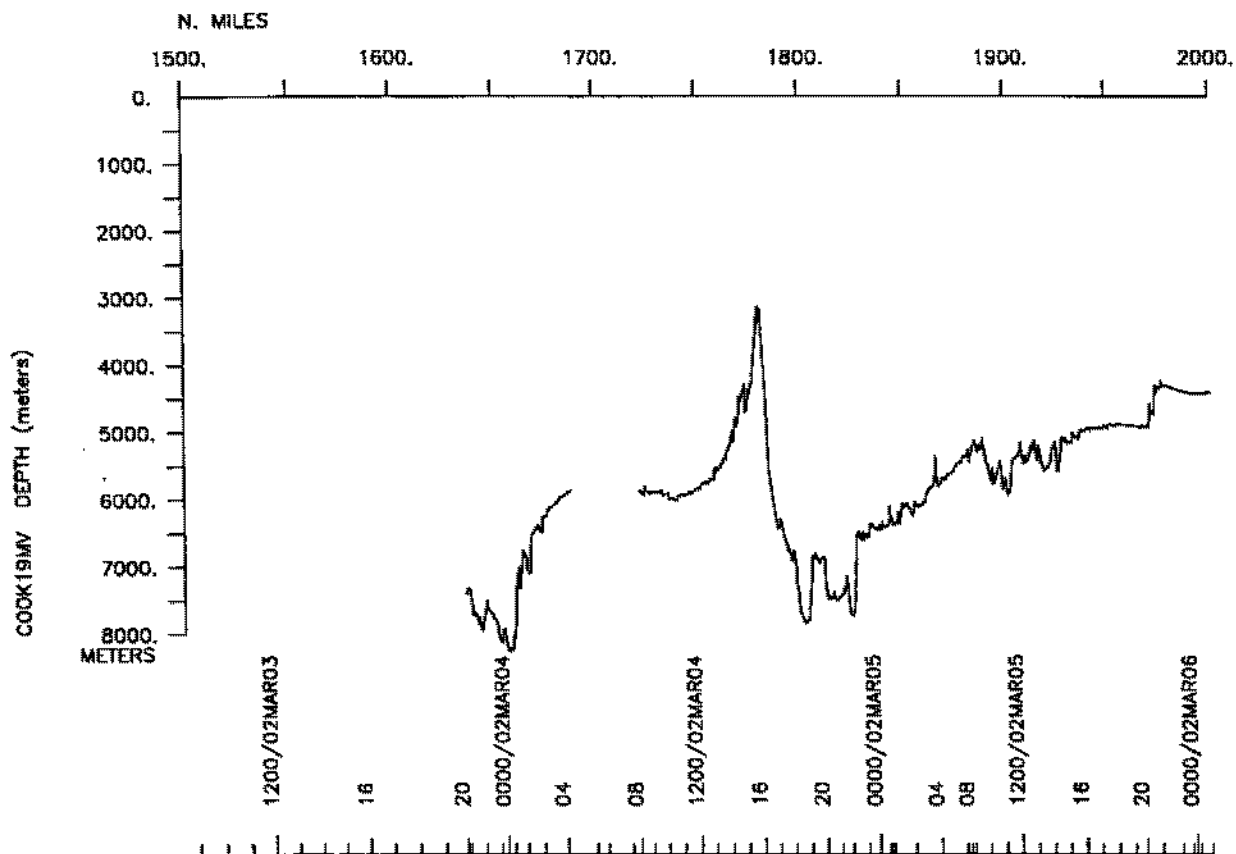
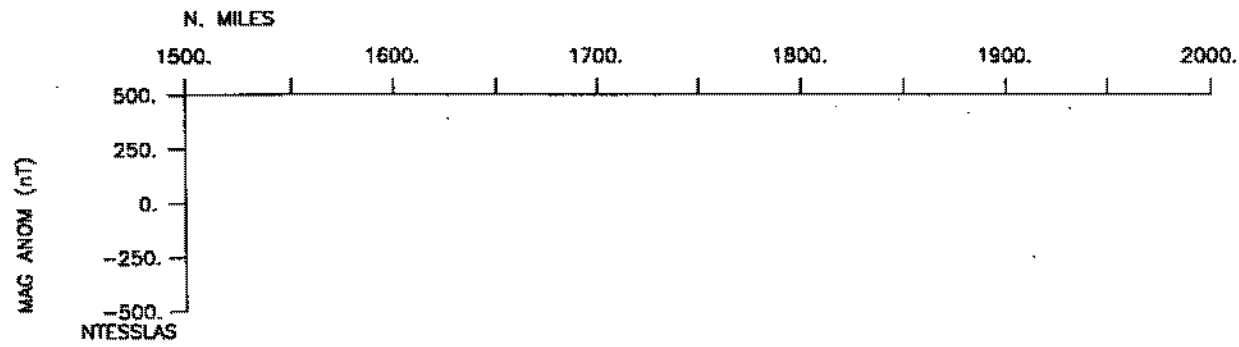
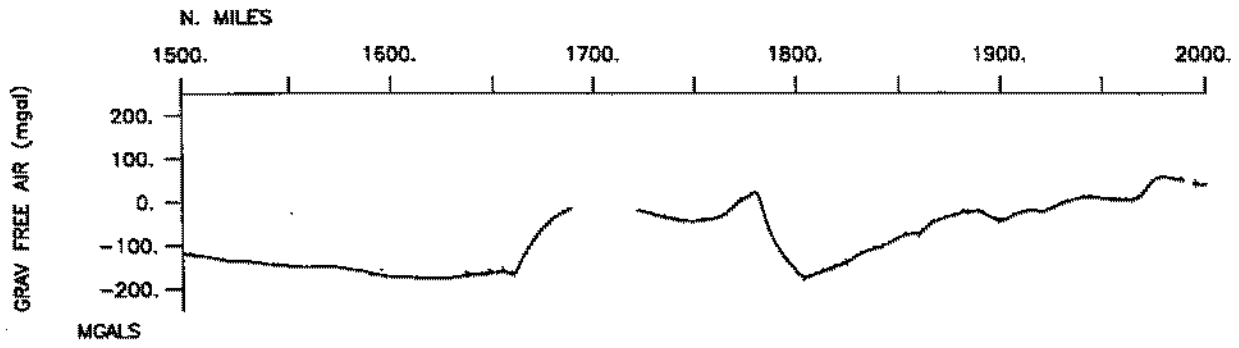
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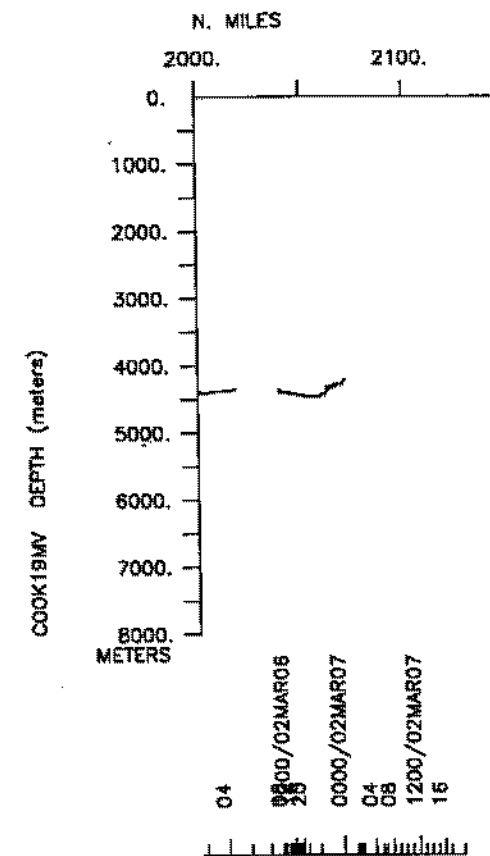
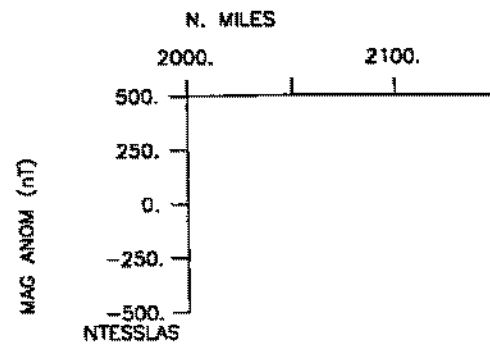
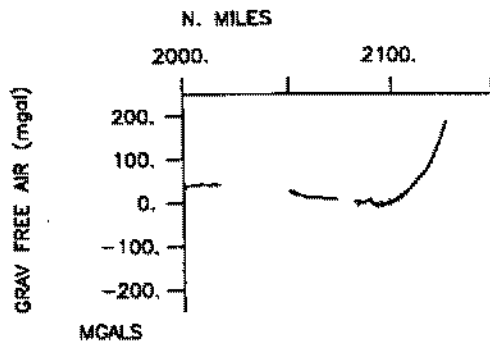












S.I.O. Sample Index

Drift Expedition

Leg 9

(DRFT09RR)

R/V Revelle

(Issued May 2002)

PORTS:

Lyttleton, New Zealand (25 February 2002)
to
Pago Pago, American Samoa (07 March 2002)

Chief Scientist: Eric Terrill
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 ***

0318	250202	LGPT B Lyttleton, New Zealand	43-36.00S 172-43.00W f	DRFT09RR
1850	070302	LGPT E Pago Pago, Amer.Samoa	14-17.00S 170-40.00W f	DRFT09RR

**** Personnel ***

#	*****NAME*****	*****TITLE*****	*****AFFILIATION*****	**CRID**
PECS MPL	Terrill, Eric	Chief Scientist	Scripps Institution	DRFT09RR
PESP MPL	Melville, Ken	Scientist	Scripps Institution	DRFT09RR
PESP MPL	Lelli, Lisa	Technician	Scripps Institution	DRFT09RR
PESP MPL	Hazard, Joel	Dev.Engineer	Scripps Institution	DRFT09RR
PESP MPL	Matusov, Peter	Dev.Engineer	Scripps Institution	DRFT09RR
PESP SIX	Boston, Bill	Videographer	Naval Surf.Warfare	DRFT09RR
PESP SIX	Sheehan, Martin	Videographer	Naval Surf.Warfare	DRFT09RR
PESP IGPP	Husmann, Eric	Dev.Engineer	Scripps Institution	DRFT09RR
PESP SIX	Kuhn, John	Naval Architect	SAIC	DRFT09RR
PESP SIX	Chevalier, Kristine	Scientist	SAIC	DRFT09RR
PECT STS	Foley, Steve	Computer tech.	Scripps Institution	DRFT09RR
PERT STS	Patrick, Ron	CTD/Res tech.	Scripps Institution	DRFT09RR

**** 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) ***

0550	250202	0 MBSI B SIMRAD Multibeam	GDC	43-19.74S	173-15.03E	g	DRFT09RR
0629	030302	0 MBSI E SIMRAD Multibeam	GDC	22-19.92S	173-53.52W	g	DRFT09RR
2021	030302	0 MBSI B SIMRAD Multibeam	GDC	20-02.63S	172-57.86W	g	DRFT09RR
0412	040302	0 MBSI E SIMRAD Multibeam	GDC	19-39.72S	172-19.49W	g	DRFT09RR
0736	040302	0 MBSI B SIMRAD Multibeam	GDC	19-33.08S	172-18.89W	g	DRFT09RR
0020	070302	0 MBSI E SIMRAD Multibeam	GDC	14-39.52S	171-22.44W	g	DRFT09RR
0334	070302	0 MBSI B SIMRAD Multibeam	GDC	14-39.39S	171-18.08W	g	DRFT09RR
1804	070302	0 MBSI E SIMRAD Multibeam	GDC	14-19.27S	170-40.59W	g	DRFT09RR

#GMT	DDMMYY	SAMP	B	SAMPLE	DISP				p	CRUISE
#TIME	DATE	TZ	CODE	E IDENTIFIER	CODE	LATITUDE	LONGITUDE		c	LEG-SHIP
#										
*** Acoustic Doppler Current Profiler ***										
0550	250202	0	ADCP	B ADCP 150 KHZ	GDC	43-19.74S	173-15.03E	g	DRFT09RR	
0629	030302	0	ADCP	E	GDC	22-19.92S	173-53.52W	g	DRFT09RR	
2021	030302	0	ADCP	B ADCP 150 KHZ	GDC	20-02.63S	172-57.86W	g	DRFT09RR	
0412	040302	0	ADCP	E	GDC	19-39.72S	172-19.49W	g	DRFT09RR	
0736	040302	0	ADCP	B ADCP 150 KHZ	GDC	19-33.08S	172-18.89W	g	DRFT09RR	
0020	070302	0	ADCP	E	GDC	14-39.52S	171-22.44W	g	DRFT09RR	
0334	070302	0	ADCP	B ADCP 150 KHZ	GDC	14-39.39S	171-18.08W	g	DRFT09RR	
1825	070302	0	ADCP	E	GDC	14-16.80S	170-40.23W	g	DRFT09RR	
0550	250202	0	ADCP	B DOPPLER SONAR	GDC	43-19.74S	173-15.03E	g	DRFT09RR	
0629	030302	0	ADCP	E 50 kHz	GDC	22-19.92S	173-53.52W	g	DRFT09RR	
2021	030302	0	ADCP	B DOPPLER SONAR	GDC	20-02.63S	172-57.86W	g	DRFT09RR	
0412	040302	0	ADCP	E 50 kHz	GDC	19-39.72S	172-19.49W	g	DRFT09RR	
0736	040302	0	ADCP	B DOPPLER SONAR	GDC	19-33.08S	172-18.89W	g	DRFT09RR	
0020	070302	0	ADCP	E 50 kHz	GDC	14-39.52S	171-22.44W	g	DRFT09RR	
0334	070302	0	ADCP	B DOPPLER SONAR	GDC	14-39.39S	171-18.08W	g	DRFT09RR	
1825	070302	0	ADCP	E 50 kHz	GDC	14-16.80S	170-40.23W	g	DRFT09RR	
0550	250202	0	ADCP	B DOPPLER SONAR	GDC	43-19.74S	173-15.03E	g	DRFT09RR	
0629	030302	0	ADCP	E 140 Khz	GDC	22-19.92S	173-53.52W	g	DRFT09RR	
2021	030302	0	ADCP	B DOPPLER SONAR	GDC	20-02.63S	172-57.86W	g	DRFT09RR	
0412	040302	0	ADCP	E 140 Khz	GDC	19-39.72S	172-19.49W	g	DRFT09RR	
0736	040302	0	ADCP	B DOPPLER SONAR	GDC	19-33.08S	172-18.89W	g	DRFT09RR	
0020	070302	0	ADCP	E 140 Khz	GDC	14-39.52S	171-22.44W	g	DRFT09RR	
0334	070302	0	ADCP	B DOPPLER SONAR	GDC	14-39.39S	171-18.08W	g	DRFT09RR	
1825	070302	0	ADCP	E 140 Khz	GDC	14-16.80S	170-40.23W	g	DRFT09RR	

*** Integrated Meteorological Acquisition System ***

0323	250202	0	IMET	B weather measurements	GDC	43-36.64S	172-44.40E	g	DRFT09RR	
1830	070302	0	IMET	E weather measurements	GDC	14-16.39S	170-40.58W	g	DRFT09RR	

#GMT	DDMMYY	SAMP	B	SAMPLE	DISP				p	CRUISE
#TIME	DATE	TZ	CODE	E IDENTIFIER	CODE	LATITUDE	LONGITUDE		c	LEG-SHIP
#	-----	---	----	-----	----	-----	-----	-----	---	-----
*** Digital Gravity ***										
0323	250202	0	GVDD	B Digital gravity	GDC	43-36.64S	172-44.40E	g		DRFT09RR
1820	070302	0	GVDD	E Digital gravity	GDC	14-17.24S	170-40.10W	g		DRFT09RR
*** Cameras ***										
0300	260202	0	CAXX	B Launched Blimp	MPL	40-32.31S	177-28.91E	g		DRFT09RR
0620	260202	0	CAXX	E Blimp on deck	MPL	40-33.02S	177-46.76E	g		DRFT09RR
2110	260202	0	CAXX	B Mini-bat deployed	MPL	38-00.15S	179-13.75E	g		DRFT09RR
2114	260202	0	CAXX	E Mini-bat on deck	MPL	38-00.04S	179-13.80E	g		DRFT09RR
1018	260202	0	CAXX	B Mini-bat deployed	MPL	39-55.33S	178-12.80E	g		DRFT09RR
2127	260202	0	CAXX	E Mini-bat on deck	MPL	37-59.72S	179-13.93E	g		DRFT09RR
2135	260202	0	CAXX	B Mini-bat deployed	MPL	37-59.53S	179-14.02E	g		DRFT09RR
2150	260202	0	CAXX	E Mini-bat on deck	MPL	37-59.14S	179-14.23E	g		DRFT09RR
0159	270202	0	CAXX	B Mini-bat deployed	MPL	37-20.18S	179-32.94E	g		DRFT09RR
0306	270202	0	CAXX	E Mini-bat on deck	MPL	37-15.80S	179-35.02E	g		DRFT09RR
0346	270202	0	CAXX	B Mini-bat deployed	MPL	37-13.94S	179-35.95E	g		DRFT09RR
0530	270202	0	CAXX	E Mini-bat on deck	MPL	37-06.12S	179-39.60E	g		DRFT09RR
0636	270202	0	CAXX	B Mini-bat deployed	MPL	36-54.76S	179-44.96E	g		DRFT09RR
0707	270202	0	CAXX	E Mini-bat on deck	MPL	36-51.99S	179-46.27E	g		DRFT09RR
0720	270202	0	CAXX	B Mini-bat deployed	MPL	36-51.49S	179-46.49E	g		DRFT09RR
0735	270202	0	CAXX	E Mini-bat on deck	MPL	36-50.25S	179-47.10E	g		DRFT09RR
2336	270202	0	CAXX	B Blimp Launched	MPL	33-57.72S	178-52.42W	g		DRFT09RR
0555	280202	0	CAXX	E Blimp on deck	MPL	33-53.44S	178-29.34W	g		DRFT09RR
0630	280202	0	CAXX	B Mini-bat deployed	MPL	33-53.07S	178-28.52W	g		DRFT09RR
0716	280202	0	CAXX	E Mini-bat on deck	MPL	33-49.78S	178-27.26W	g		DRFT09RR
0015	020302	0	CAXX	B Blimp deployed	MPL	26-41.20S	175-26.51W	g		DRFT09RR
0615	020302	0	CAXX	E Blimp on deck	MPL	26-21.34S	175-18.49W	g		DRFT09RR
0130	020302	0	CAXX	B Mini Bat Deployed	MPL	26-41.21S	175-25.51W	g		DRFT09RR
0520	020302	0	CAXX	E Mini-bat on deck	MPL	26-21.60S	175-18.64W	g		DRFT09RR
0616	020302	0	CAXX	B Stinger deployed	MPL	26-21.34S	175-18.49W	g		DRFT09RR
0840	030302	0	CAXX	E Stinger on deck	MPL	22-06.59S	173-48.23W	g		DRFT09RR
2225	030302	0	CAXX	B Blimp deployed	MPL	19-51.04S	172-53.06W	g		DRFT09RR
0610	040302	0	CAXX	E Blimp on deck	MPL	19-38.93S	172-05.46W	g		DRFT09RR

#GMT	DDMMYY	SAMP	B	SAMPLE	DISP				p	CRUISE
#TIME	DATE	TZ	CODE	E IDENTIFIER	CODE	LATITUDE	LONGITUDE		c	LEG-SHIP
#										
2328	030302	0	CAXX	B Stinger deployed	MPL	19-45.10S	172-50.98W	g		DRFT09RR
0545	040302	0	CAXX	E Stinger on deck	MPL	19-37.31S	172-04.67W	g		DRFT09RR
2358	040302	0	CAXX	B Blimp deployed	MPL	17-40.36S	172-10.11W	g		DRFT09RR
0048	050302	0	CAXX	E Blimp on deck	MPL	17-36.11S	172-08.30W	g		DRFT09RR
0102	050302	0	CAXX	B Blimp deployed	MPL	17-35.75S	172-08.16W	g		DRFT09RR
0519	050302	0	CAXX	E Blimp on deck	MPL	17-00.24S	171-52.05W	g		DRFT09RR
0517	050302	0	CAXX	B Stinger deployed	MPL	17-00.24S	171-52.05W	g		DRFT09RR
0845	050302	0	CAXX	E Stinger on deck	MPL	17-00.73S	171-52.78W	g		DRFT09RR
2222	050302	0	CAXX	Stinger deployed	MPL	15-23.80S	171-08.93W	g		DRFT09RR
2334	050302	0	CAXX	B Blimp deployed	MPL	15-21.42S	171-08.46W	g		DRFT09RR
0630	060302	0	CAXX	E Blimp on deck	MPL	15-12.60S	171-18.42W	g		DRFT09RR
2100	060302	0	CAXX	B Blimp deployed	MPL	15-03.25S	171-17.77W	g		DRFT09RR
2130	060302	0	CAXX	E Blimp on deck	MPL	15-01.48S	171-17.94W	g		DRFT09RR
*** Cameras to Naval Surface Warfare Center ***										
2105	270202	0	CAVT	B Videos, 8 cameras	SIX	34-21.92S	179-03.66W	g		DRFT09RR
1600	070302	0	CAVT	E Videos, 8 cameras	SIX	14-27.87S	170-45.33W	g		DRFT09RR
*** Cameras to SAIC ***										
2000	250202	0	CAVT	B Videos	SIX	41-35.27S	176-20.86E	g		DRFT09RR
1600	070302	0	CAVT	E Videos	SIX	14-27.87S	170-45.33W	g		DRFT09RR
*** Conductivity, Temperature, Depth ***										
0044	020302	0	TDCT	B CTD #1 deployed	STS	26-41.30S	175-25.48W	g		DRFT09RR
0119	020302	0	TDCT	E CTD #1 on deck	STS	26-41.30S	175-25.49W	g		DRFT09RR
0531	020302	0	TDCT	B CTD #2 deployed	STS	26-21.34S	175-18.49W	g		DRFT09RR
0600	020302	0	TDCT	E CTD #2 on deck	STS	26-21.34S	175-18.49W	g		DRFT09RR
2004	030302	0	TDCT	B CTD #3 deployed	STS	20-02.63S	172-57.86W	g		DRFT09RR
2036	030302	0	TDCT	E CTD #3 on deck	STS	20-02.63S	172-57.86W	g		DRFT09RR
0730	040302	0	TDCT	B CTD #4 deployed	STS	19-33.08S	172-18.89W	g		DRFT09RR
0756	040302	0	TDCT	E CTD #4 on deck	STS	19-33.08S	172-18.89W	g		DRFT09RR
0648	060302	0	TDCT	B CTD #5 deployed	STS	15-12.44S	171-18.58W	g		DRFT09RR
0715	060302	0	TDCT	E CTD #5 on deck	STS	15-12.44S	171-18.58W	g		DRFT09RR
2141	060302	0	TDCT	B CTD #6 deployed	STS	15-01.48S	171-17.94W	g		DRFT09RR
2204	060302	0	TDCT	E CTD #6 on deck	STS	15-01.57S	171-17.96W	g		DRFT09RR

#GMT DDMYY	SAMP B	SAMPLE	DISP	p	CRUISE
#TIME DATE TZ	CODE E	IDENTIFIER	CODE LATITUDE LONGITUDE	c	LEG-SHIP

*** Expendable Bathythermographs ***

1019	250202	0	BTXP	MK12	# 67	Fast_Deep	GDC	42-47.25S	174-15.36E	g	DRFT09RR
2020	260202	0	BTXP	MK12	# 68	Fast_Deep	GDC	38-07.69S	179-10.05E	g	DRFT09RR
2036	270202	0	BTXP	MK12	# 70	Fast_Deep	GDC	34-27.17S	179-06.12W	g	DRFT09RR
0015	280202	0	BTXP	MK12	# 72	Fast_Deep	GDC	33-57.42S	178-48.97W	g	DRFT09RR
0644	010302	0	BTXP	MK12	# 73	Fast_Deep	GDC	29-48.02S	176-44.08W	g	DRFT09RR
0504	020302	0	BTXP	MK12	# 74	Fast_Deep	GDC	26-23.12S	175-19.18W	g	DRFT09RR
0344	030302	0	BTXP	MK12	# 75	Fast_Deep	GDC	22-47.78S	174-01.89W	g	DRFT09RR
0448	040302	0	BTXP	MK12	# 76	Fast_Deep	GDC	19-39.32S	172-10.28W	g	DRFT09RR
0620	050302	0	BTXP	MK12	# 78	Fast_Deep	GDC	17-00.24S	171-52.05W	g	DRFT09RR

#	End Sample Index	DRFT09RR
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