REPORT AND INDEX OF

UNDERWAY MARINE GEOPHYSICAL DATA

TUNES EXPEDITION (WOCE-P17C P16C)

LEG 2

R/V Thomas Washington

(Issued October 1991)

Papeete, Tahiti (17 July 1991)
to
Papeete, Tahiti (25 August 1991)

Chief Scientist:

James Swift (Scripps Institution of Oceanography)

Resident Marine Technician - John Boaz

Sea Beam Transit Mode

Post-Cruise Processing and Report Preparation by the
Geological Data Center, Scripps Institution of Oceanography
La Jolla, California 92093

Data Collection and Processing Funded by:
NSF Grant Number OCE89-11587

GDC Cruise I.D.# 254

INFORMAL 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 anomaly and gravity free air anomaly vs. distance. Sections of track having subbottom profile (airgun or watergun) records have a wide black line along the bottom of the profile. Sections having Sea Beam are indicated by a narrow black line.

Sample Index - list of beginning and end times and positions of all underway records as well as all other samples and measurements (geology, biology, physical oceanography, etc.) 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, CA 92093-0223. Phone (619)534-2752. Fax (619)534-5306.

1. Navigation listing with times and positions of course and speed changes, fixes and drift velocity.
2. Depth compilation plots - compilation plots at the traditional scale of 4in/degree longitude (1:1,000,000) are no longer produced for Sea Beam cruises. Custom plots may be requested of vertical beam (2&2/3 degree beam width) depths retrieved at one minute intervals of ship time.
3. Plots of depths, magnetics or gravity profiles along track - custom plots at various map and profile scales on Mercator projection may be requested.
4. Separate time series files of navigation, depth, gravity and magnetics as well as these data merged in the MGD77 Exchange format on magnetic tape.
5. Microfilm or Xerox copies of:
   a. Echosounder records - 12 and 3.5 kHz frequency
   b. Subbottom profiler records
   c. Magnetometer records
   d. Underway data log book

SIO Sea Beam Data Information

The following forms are available, subject to approval of the cruise leg chief scientist:

1) Archive copy of contour swath books generated in real time on board ship available for inspection at the data center.

2) Microfilm (35mm flowfilm) containing swath books plus, for some cruises, the Sea Beam monitor record and navigation list.

3) Sea Beam merged tapes - Sea Beam data merged with navigation. (Navigation is edited to the extent that DR courses and speeds are edited and poor fixes are removed after inspection of drift vectors between fix pairs. No editing is done on the basis of adjusting to overlapping Sea Beam swaths.)

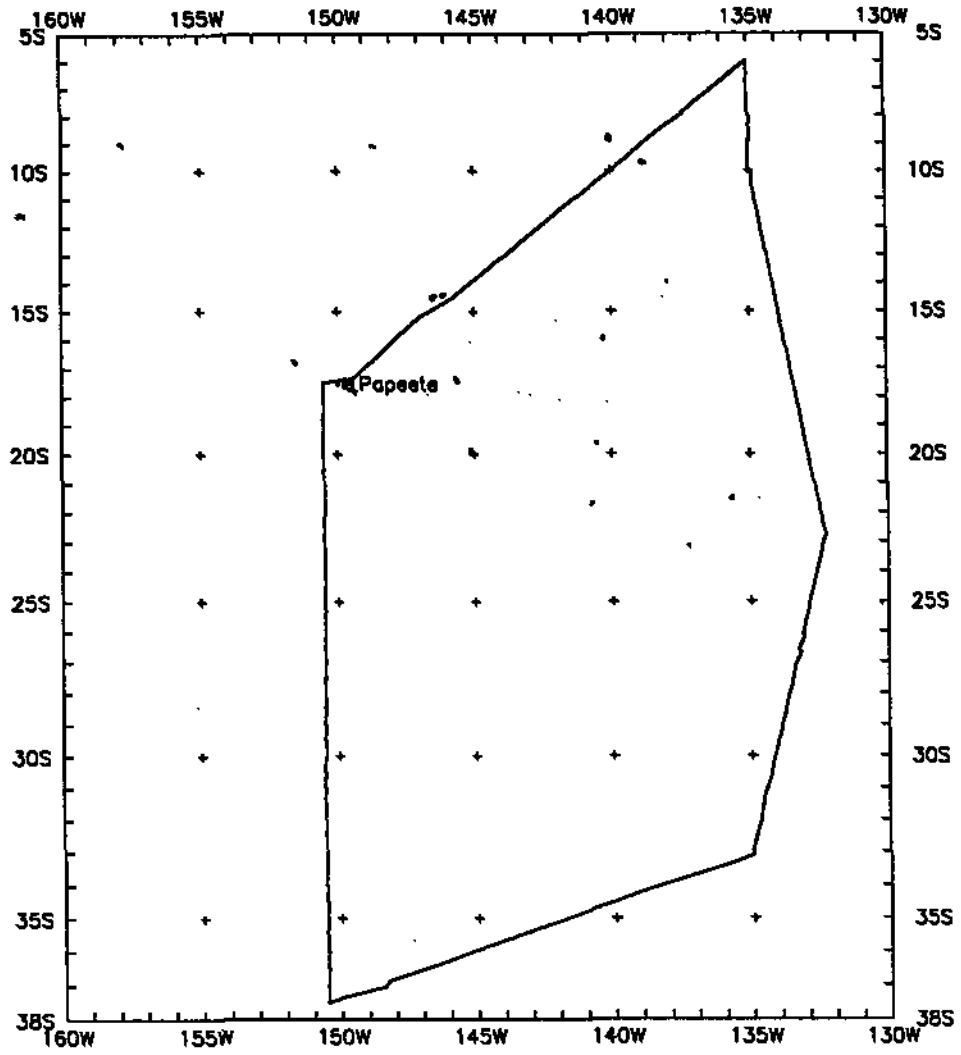
4) Archive contour plots - 16"/degree chart scale, with contour interval nominally 50m, are generated for all transit lines. Some survey areas are plotted at appropriate scales as well. Available for inspection at data center; additional copies may be generated from plot files stored on tape.

5) Custom generated plots of Sea Beam swaths on Mercator projection in four colors at variable plot scales and contour intervals. There are provisions to adjust positions of individual track lines and to edit out beams (bad data or overlapping data on inside of turns).

Revised October 1986

NOTE: Sea Beam data collection and processing were not funded by extramural grants on this leg. Instead, they have been collected and processed in "transit mode" by the SIO Shipboard Technical Support group as part of an experimental program to optimize ship usage and to increase the amount of available Sea Beam data. At this time, policies for processing these data are under review. For more information, contact the Geological Data Center curator.

April 1989



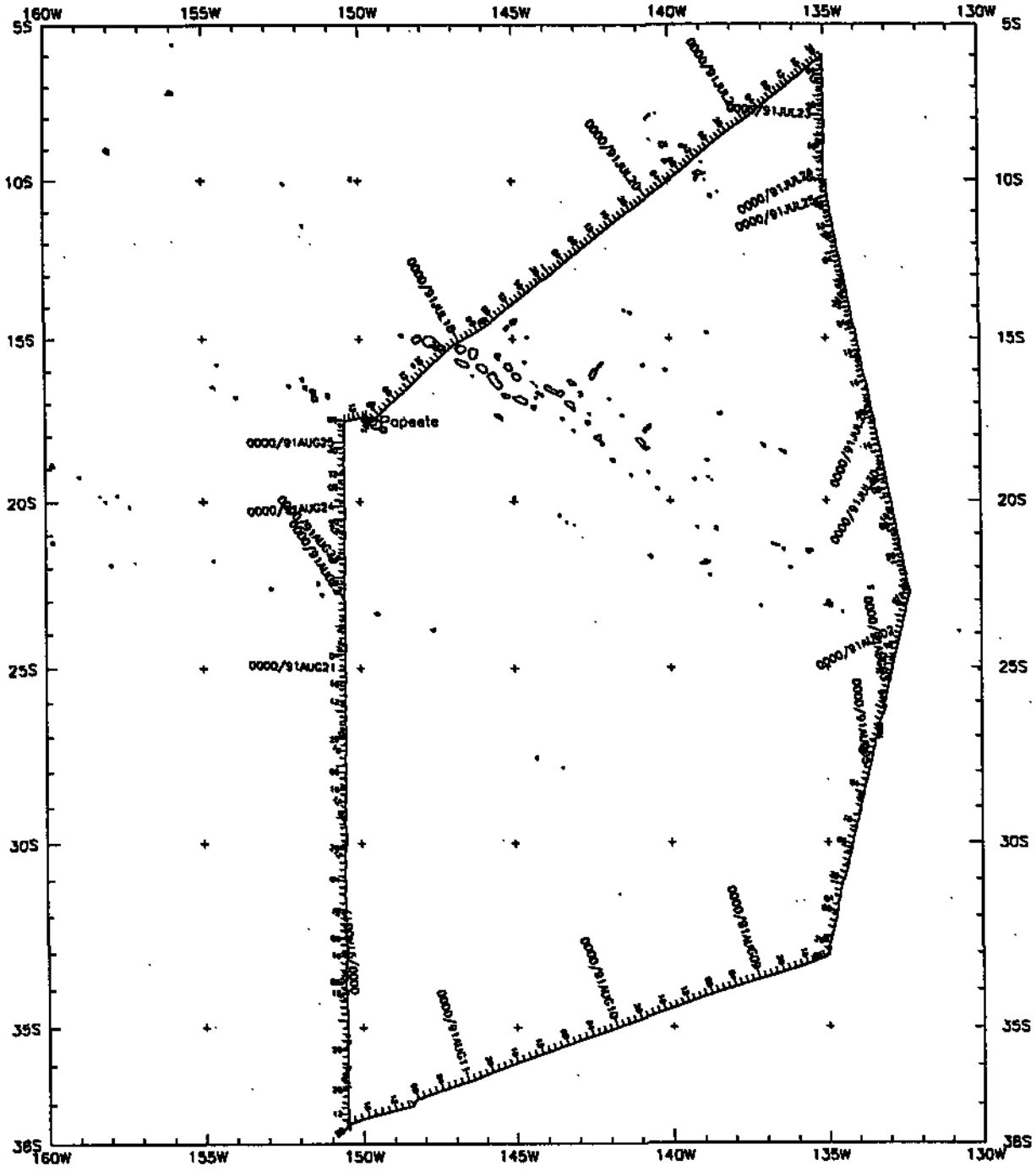
TUNES LEG 2 (WOCE–P17C P16) (TUNE02WT)

TUNES EXPEDITION LEG 2 (WOCE-P17C P16)

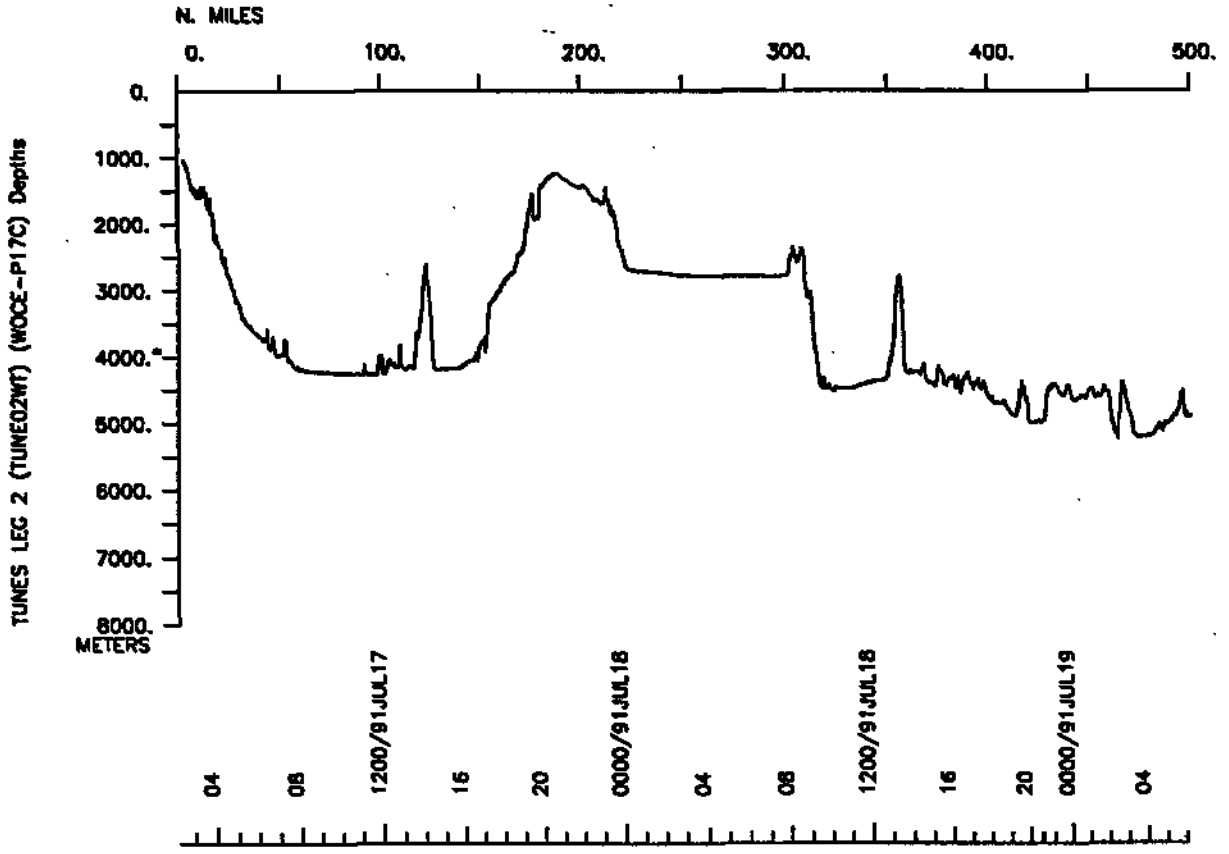
CHIEF SCIENTIST: James Swift
Scripps Institution of Oceanography
PORTS: Papeete - Papeete, Tahiti
DATES: 17 July - 25 August 1991
SHIP: R/V T. Washington

TOTAL MILEAGE OF UNDERWAY DATA COLLECTED

Cruise - 5138 miles	Magnetics - none collected
Bathymetry - 4883 miles	Seismic Reflection - none collected
Sea Beam - 4883 miles	Gravity - collected but not processed



TUNES LEG 2 (WOCE-P17C P16) (TUNE02WT)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2000.
3000.
4000.
5000.
6000.
7000.
8000.
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0000/91JUL18
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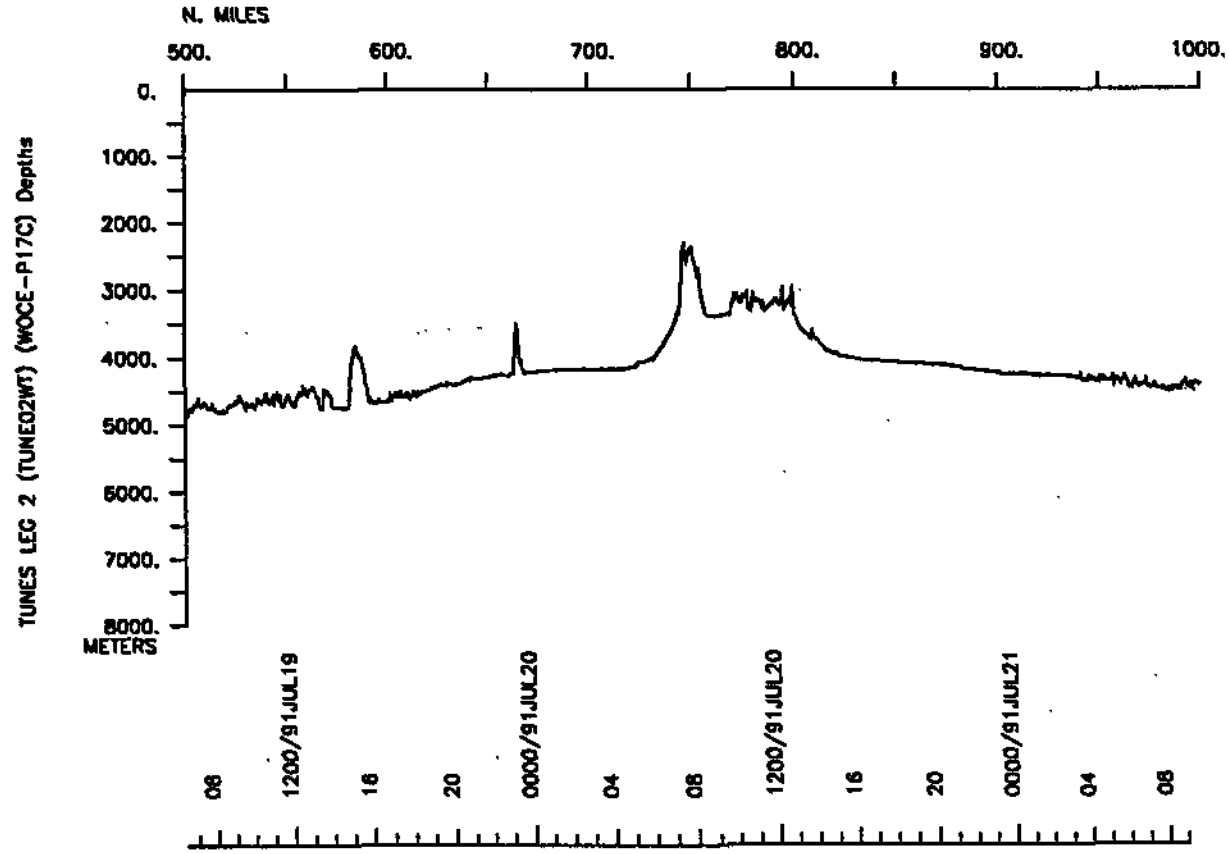
04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5000.
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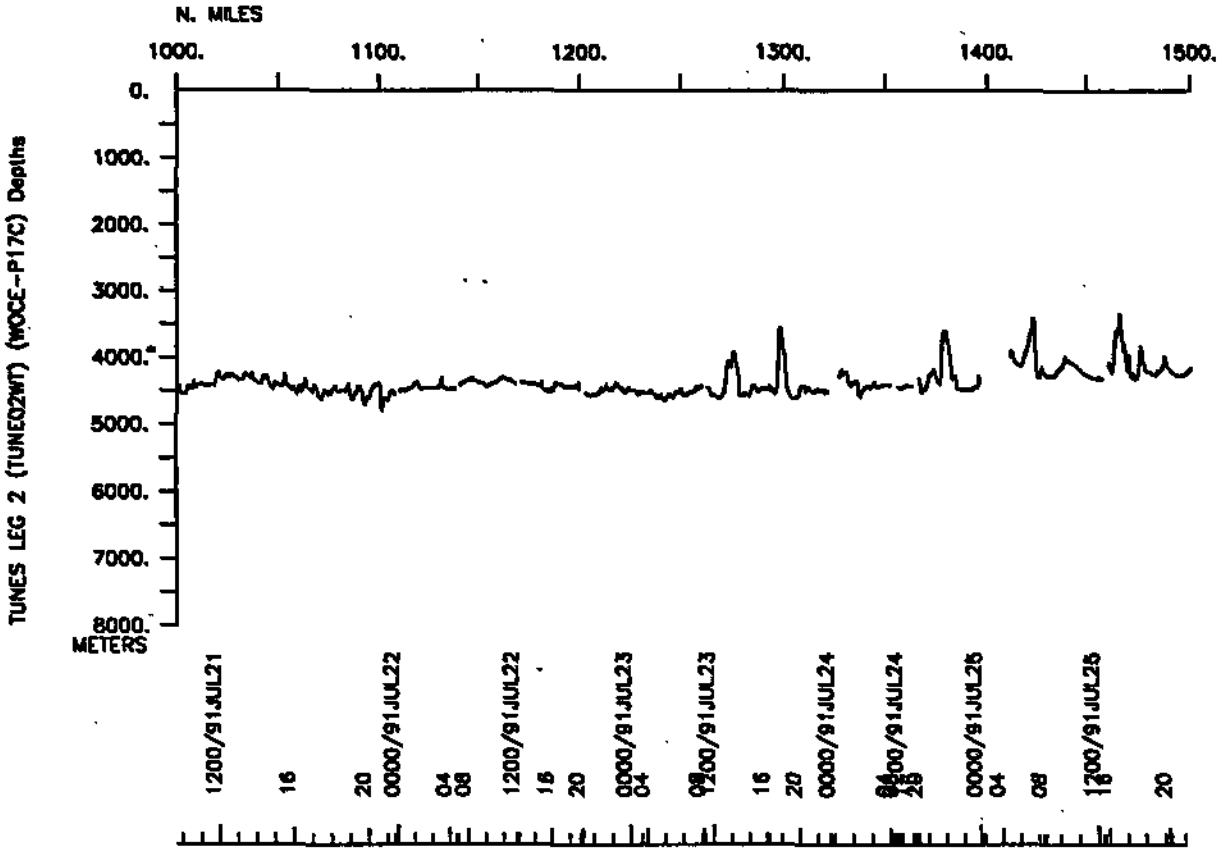
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8000.
METERS
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16
20
0000/91JUL22
04
08
1200/91JUL22
16
20
0000/91JUL23
04
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1200/91JUL23
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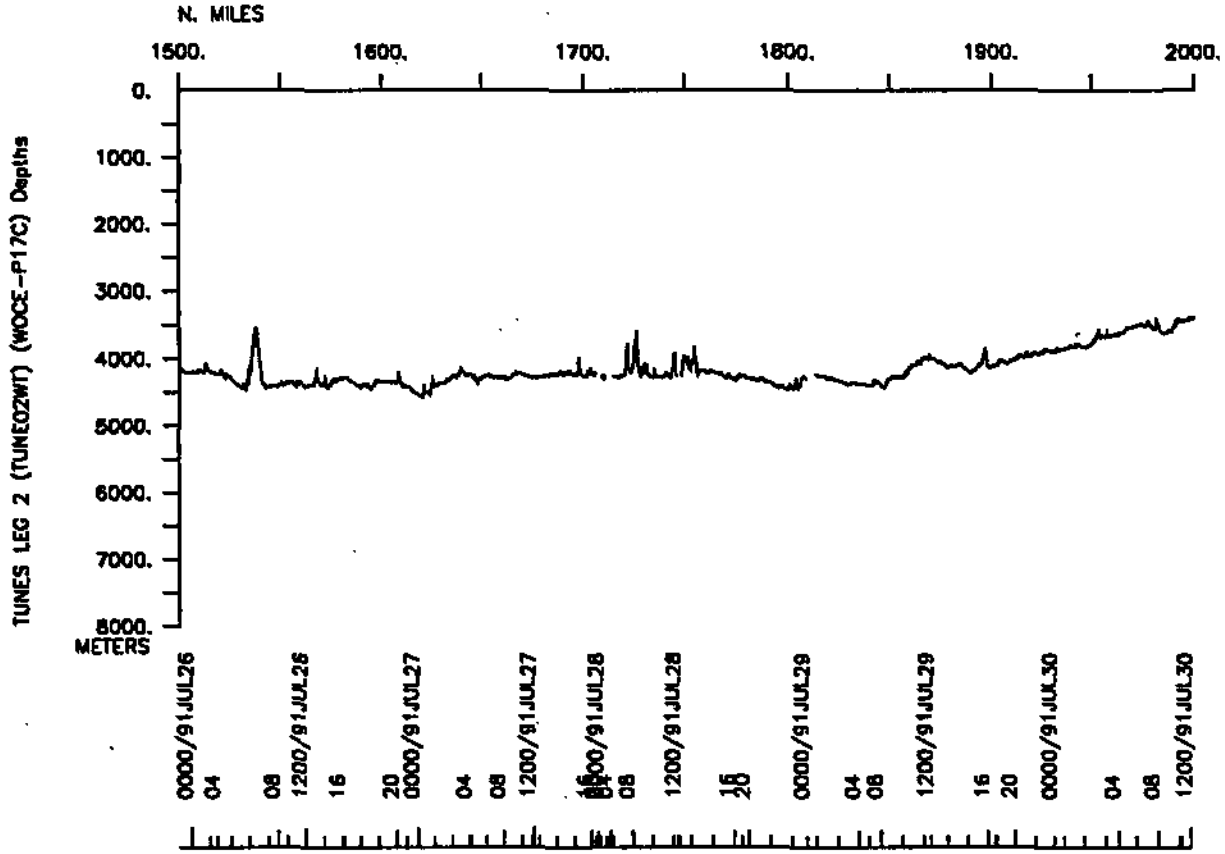
16
20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8000.
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04
08
1200/91JUL26
16
20
0000/91JUL27
04
08
1200/91JUL27
16
20
0000/91JUL28
04
08
1200/91JUL28
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04
08
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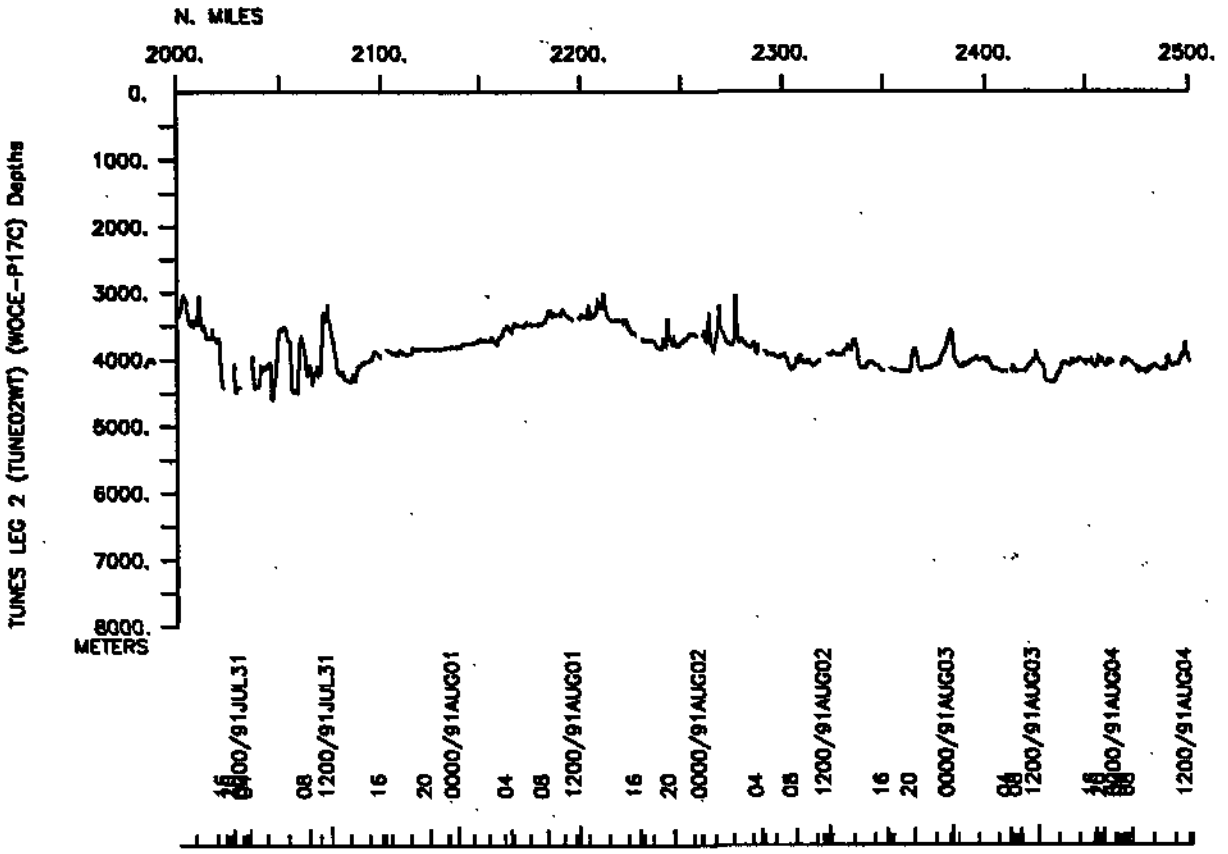
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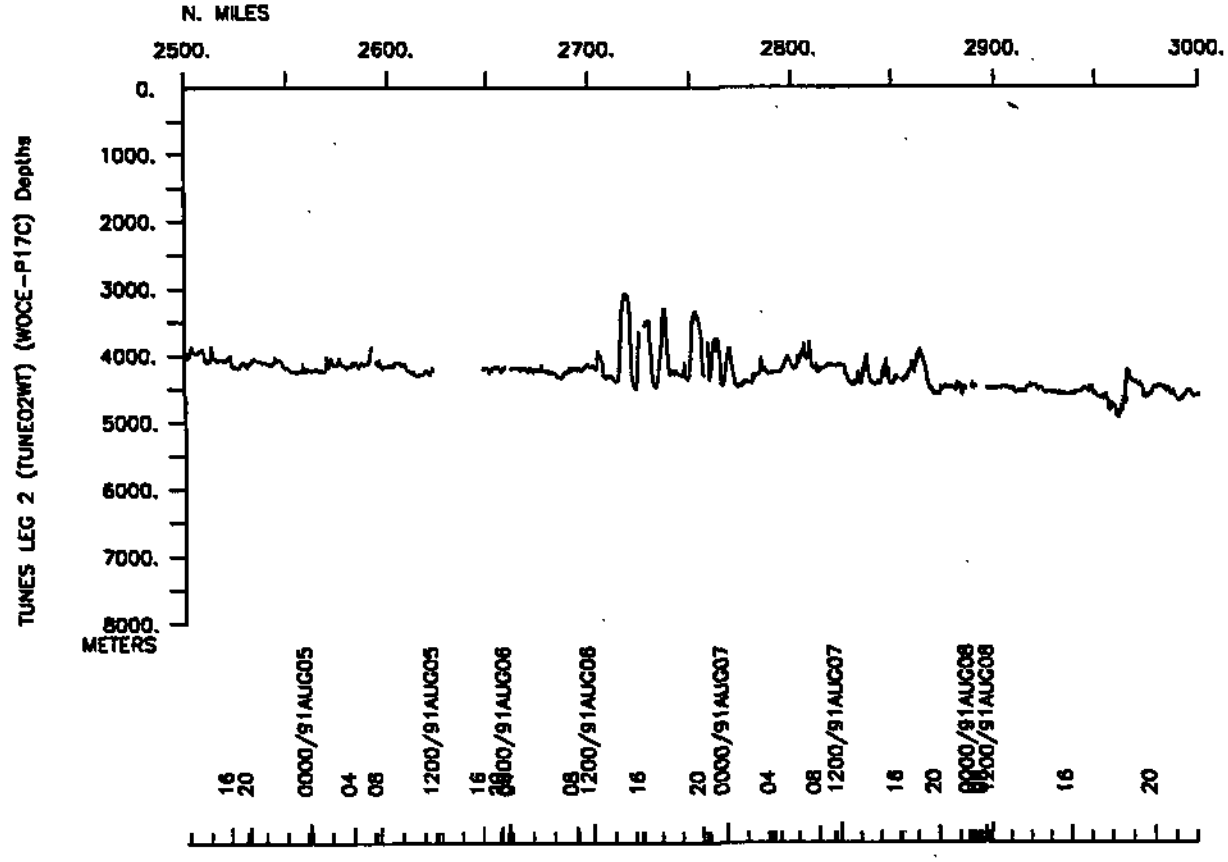
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5000.
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7000.
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1200/91AUG07
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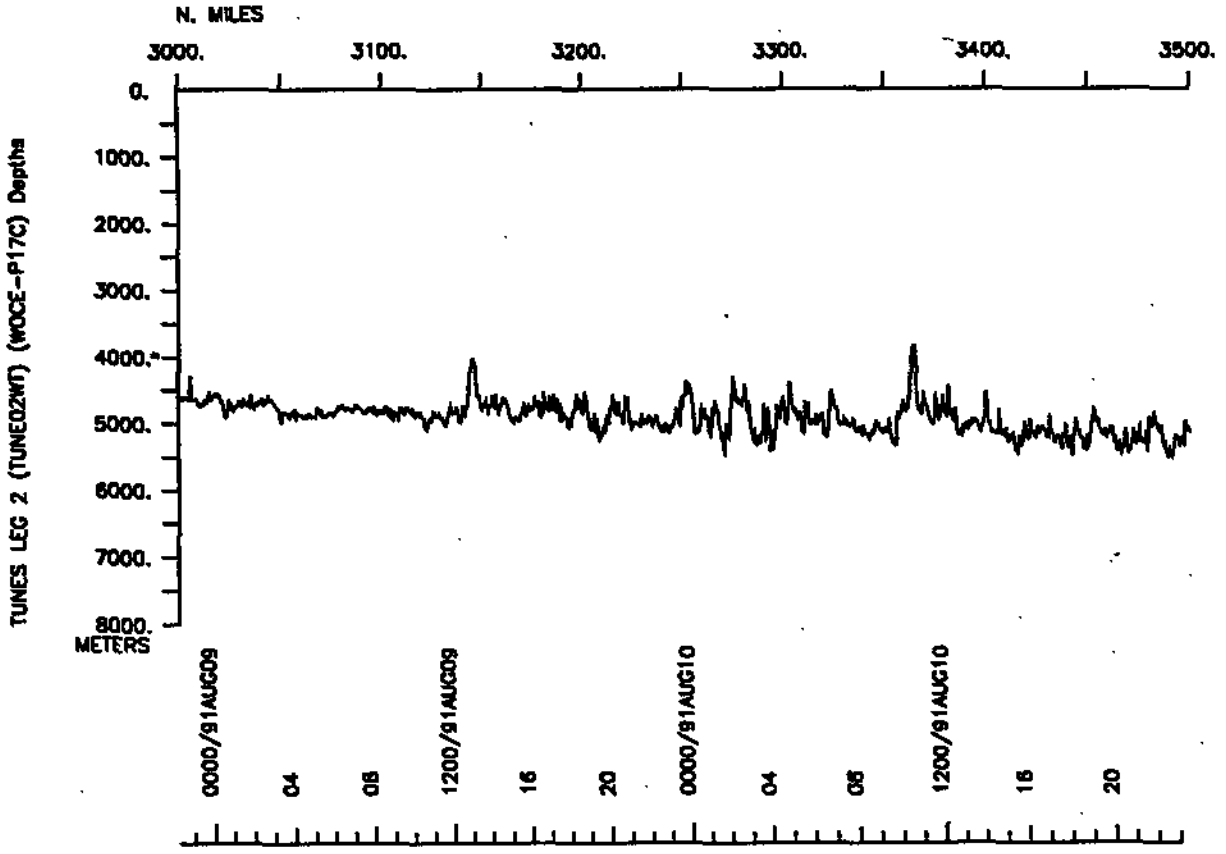
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7000.
8000.
METERS
TUNES LEG 2 (TUNE02WT) (WOCE-P17C) Depths
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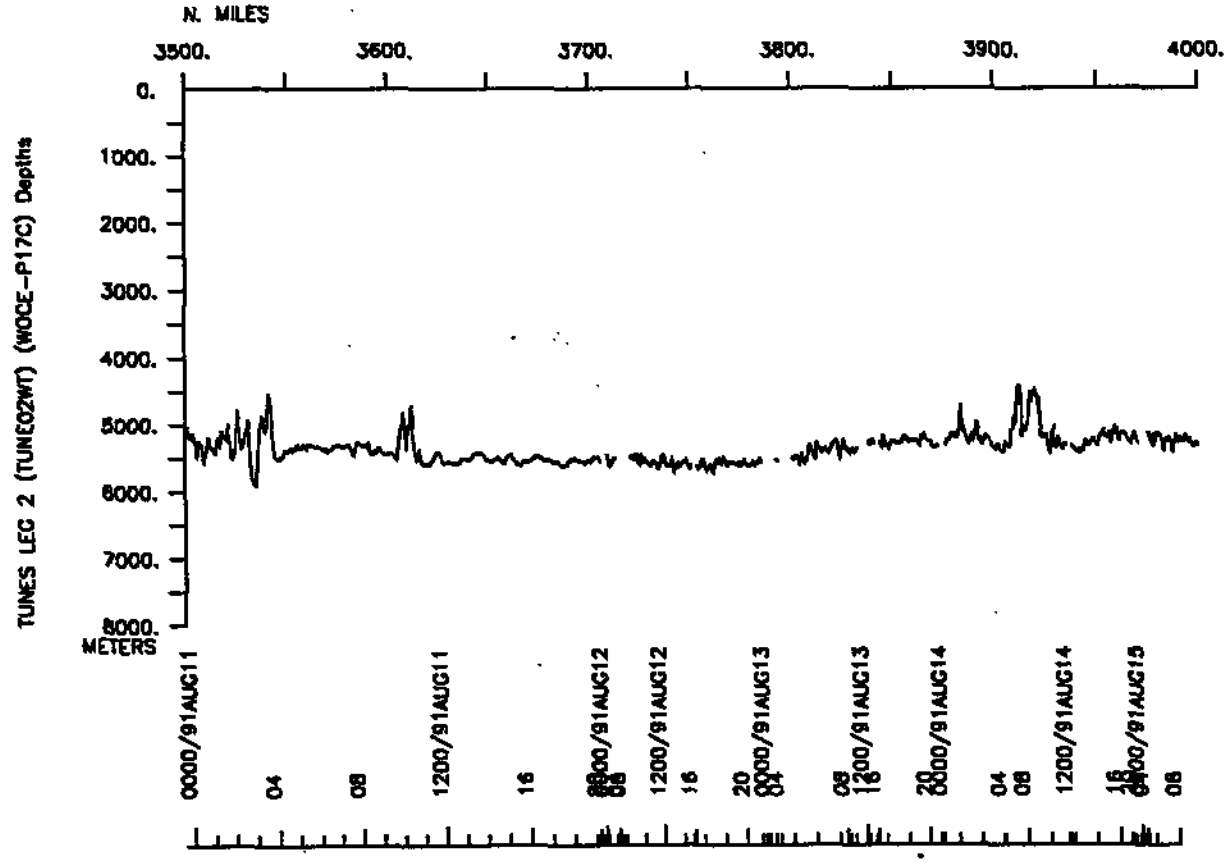
16
20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7000.
8000.
METERS
TUNES LEG 2 (TUNE02WT) (WOCE-P17C) Depths
0000/91AUG11
04
08
1200/91AUG11
16
1200/91AUG12
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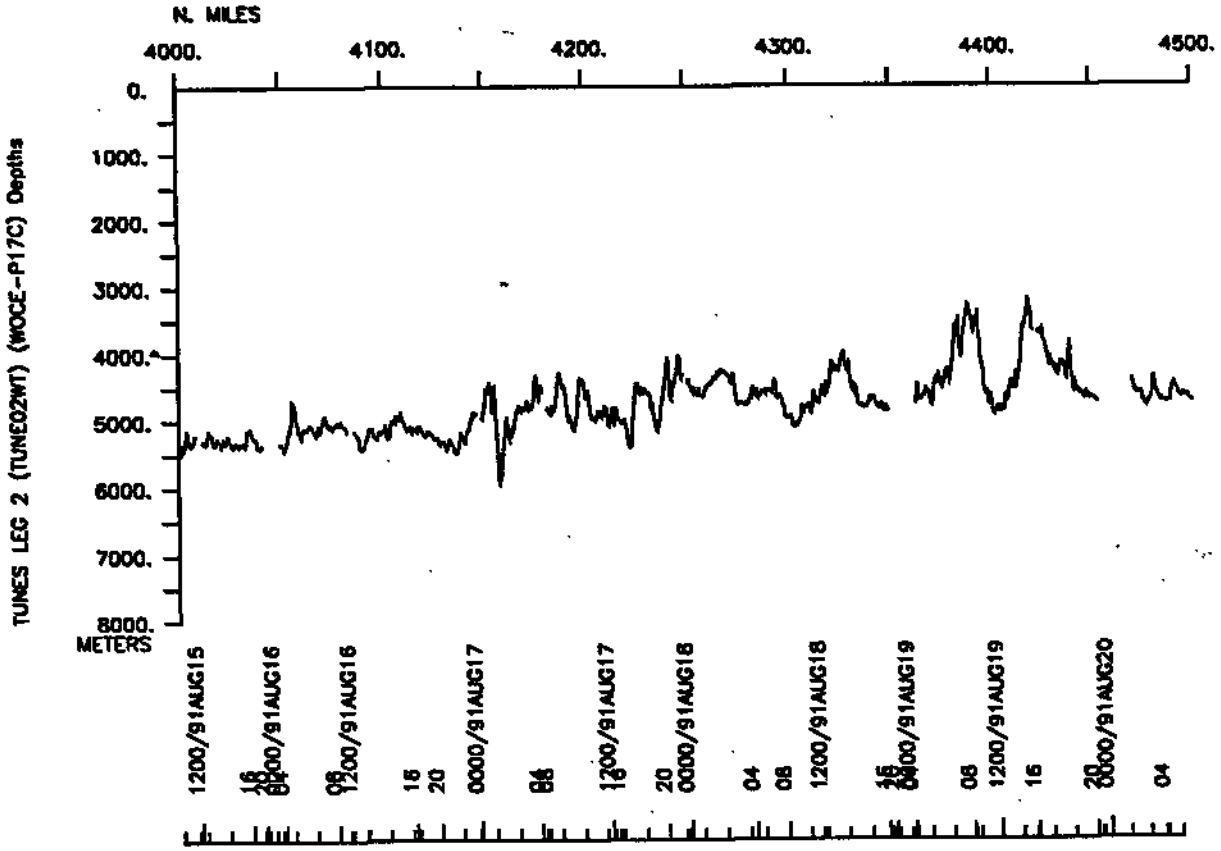
1200/91AUG14
16
08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7000.
8000.
METERS
TUNES LEG 2 (TUNEO2WT) (WOCE-P17C) Depths
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1200/91AUG16
0000/91AUG16
1200/91AUG16
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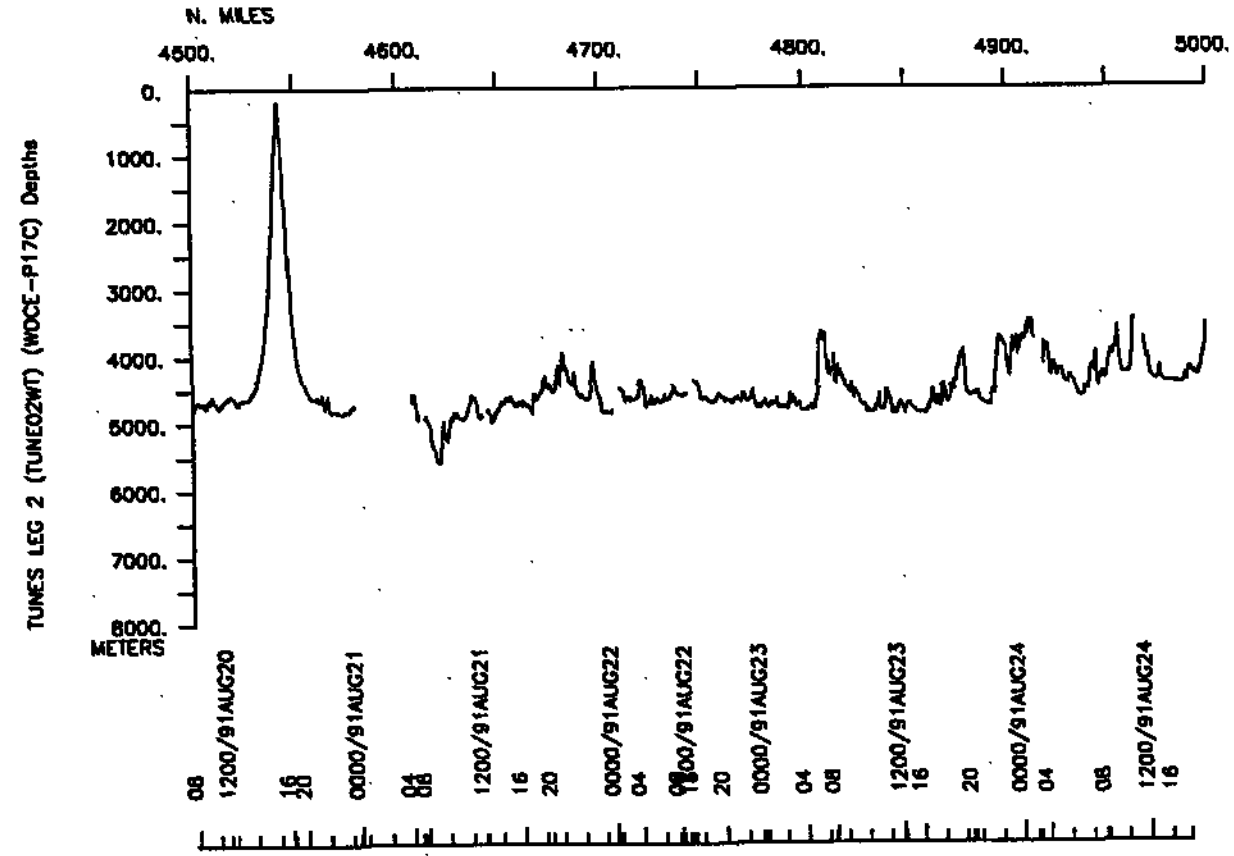
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6000.
7000.
8000.
METERS
TUNES LEG 2 (TUNEO2WT) (WOCE-P17C) Depths
1200/91AUG20
0000/91AUG21
1200/91AUG21
0000/91AUG22
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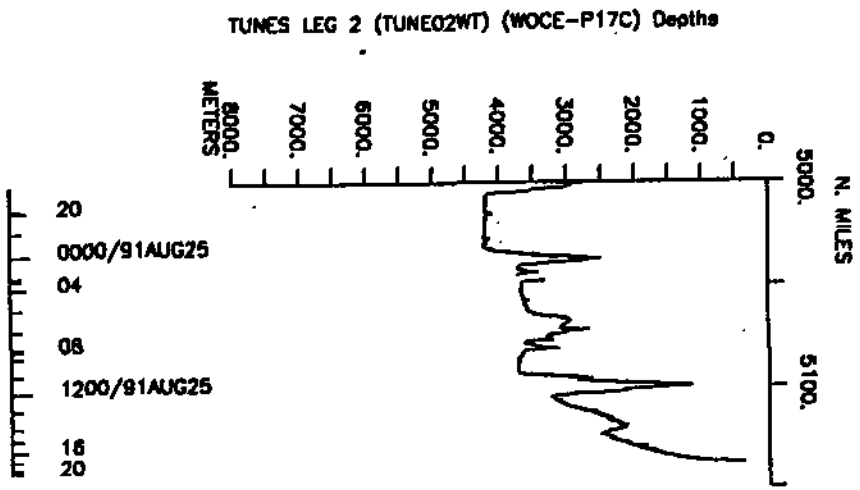
0000/91AUG23
1200/91AUG23
0000/91AUG24
1200/91AUG24


TUNES LEG 2 (TUNE02WT) (WOCE-P17C) Depths
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METERS
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6000.
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4000.
3000.
2000.
1000.
0.
5000.
N. MILES
5100.
20
0000/91AUG25
04
08
1200/91AUG25
16
20

S.I.O. SAMPLE INDEX

(Issued October 1991)

TUNES EXPEDITION

(WOCE-P17C P16C)

Leg 2

R/V T. Washington

Papeete, Tahiti (17 July 1991)
to
Papeete, Tahiti (25 August 1991)

Chief Scientist:

James Swift (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 further computer searches on these parameters. (Listings defining these codes are available from the Geological Data Center.)

GDC Cruise I.D.# 254

#***PORTS***

0130 170791	LGPT B Papeete, Tahiti	17-32 S 149-34 W	fTUNE02WT
2330 250891	LGPT E Papeete, Tahiti	17-32 S 149-34 W	fTUNE02WT

#***PERSONNEL***

NAME		***TITLE***	***AFFILIATION***	**CRID**
PECS STS	Swift, J.	Chief Scientist	Scripps Institution	TUNE02WT
PESP WHOI	Birdwhistell, S.	Research Assist.	Woods Hole Ocean.Inst.	TUNE02WT
PERT STS	Boaz, J.	Resident Tech.	Scripps Institution	TUNE02WT
PECT STS	Bouchard, G.	Computer Tech.	Scripps Institution	TUNE02WT
PECT STS	Delahoyde, F.	Computer Tech.	Scripps Institution	TUNE02WT
PESP LDGO	Goddard, J.	Research Assoc.	Lamont-Doherty G.O.	TUNE02WT
PEMT TAM	Guffy, J.	Marine Tech.	Texas A&M University	TUNE02WT
PEST PORD	Lewis, D.	Student	Scripps Institution	TUNE02WT
PESP UMI	Maillet, K.	Research Assoc.	Rosenthiel SM&A Sci.	TUNE02WT
PESP STS	Masten, D.	Research Assoc.	Scripps Institution	TUNE02WT
PESP LDGO	Mathieu, G.	Research Assist.	Lamont-Doherty G.O.	TUNE02WT
PEST TAM	Orsi, A.	Student	Texas A&M University	TUNE02WT
PESP STS	Patrick, R.	Research Assoc.	Scripps Institution	TUNE02WT
PESP PORD	Peterson, R.	Asst. Researcher	Scripps Institution	TUNE02WT
PESP PTU	Rotter, R.	Research Staff	Princeton University	TUNE02WT
PESP LDGO	Rubin, S.	Lab Tech.	Lamont-Doherty O.I.	TUNE02WT
PEET STS	Schmitt, J.	Electronic Tech.	Scripps Institution	TUNE02WT
PESP STS	Streib, R.	Research Assoc.	Scripps Institution	TUNE02WT
PESP UCS	Tedesco, K.	Research Assist.	UC Santa Barbara	TUNE02WT
PESP STS	Williams, N.	Research Assoc.	Scripps Institution	TUNE02WT
PESP STS	Williams, R.	Research Assoc.	Scripps Institution	TUNE02WT

#*** NOTES ***
#Ax 'X' in the (B)egin/(E)nd column following the sample code indicates no
#samplw 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. Positions are in tenths
#of minutes.

#GMT DDMMYY LOC T #TIME DATE TIME Z	SAMP CODE	SAMPLE IDENTIFIER	DISP CODE	LAT.	LONG.	CRUISE LEG-SHIP
#*** Underway Data Curator - S. M. Smith ext.42752						
#*** ECHO SOUNDER RECORDS - Sea Beam Monitors ***						
0245 170791	MBMR B	SB Monitor R-01	GDC	17-289S	149-339W	sTUNE02WT
2053 190791	MBMR E	SB Monitor R-01	GDC	10-512S	141-060W	sTUNE02WT
2114 190791	MBMR B	SB Monitor R-02	GDC	10-492S	141-032W	sTUNE02WT
0130 260791	MBMR E	SB Monitor R-02	GDC	12-270S	134-298W	sTUNE02WT
0422 260791	MBMR B	SB Monitor R-03	GDC	12-277S	134-293W	sTUNE02WT
0800 030891	MBMR E	SB Monitor R-03	GDC	26-065S	133-053W	sTUNE02WT
1100 030891	MBMR B	SB Monitor R-04	GDC	26-063S	133-046W	sTUNE02WT
1817 090891	MBMR E	SB Monitor R-04	GDC	34-411S	140-419W	sTUNE02WT
1826 090891	MBMR B	SB Monitor R-05	GDC	34-416S	140-437W	sTUNE02WT
1725 150891	MBMR E	SB Monitor R-05	GDC	32-597S	150-300W	sTUNE02WT
0537 160891	MBMR B	SB Monitor R-06	GDC	33-003S	150-298W	sTUNE02WT
1315 230891	MBMR E	SB Monitor R-06	GDC	21-007S	150-300W	sTUNE02WT
1315 230891	MBMR B	SB Monitor R-07	GDC	21-007S	150-300W	sTUNE02WT
1700 250891	MBMR E	SB Monitor R-07	GDC	17-284S	149-370W	sTUNE02WT
2030 180791	DPRT B	12kHz Sta.data R-01	GDC	13-061S	143-590W	sTUNE02WT
2200 250791	DPRT E	12kHz sta 000 to 136	GDC	11-595S	134-362W	sTUNE02WT
2200 250791	DPRT B	12kHz Sta.data R-02	GDC	11-595S	134-362W	sTUNE02WT
0030 050891	DPRT E	12kHz sta 136 to 169	GDC	28-061S	133-408W	sTUNE02WT
0500 050891	DPRT B	12kHz Sta.data R-03	GDC	28-350S	133-488W	sTUNE02WT
2300 190891	DPRT E	12kHz sta 170 to 199	GDC	27-001S	150-285W	sTUNE02WT
2300 190891	DPRT B	12kHz Sta.data R-04	GDC	27-001S	150-285W	sTUNE02WT
1000 250891	DPRT E	12kHz sta 200 to 220	GDC	17-312S	150-274W	sTUNE02WT
#*** GRAVITY ***						
0200 170791	GVCR B	Continuous Gravity	GDC	17-323S	149-341W	sTUNE02WT
1800 250891	GVCR E	Continuous Gravity	GDC	17-321S	149-351W	sTUNE02WT

#GMT TIME	DDMMYY DATE	LOC T TIME Z	SAMP CODE	SAMPLE IDENTIFIER			DISP CODE	LAT.	LONG.	CRUISE LEG-SHIP
#*** CONDUCTIVITY, TEMPERATURE, DEPTH ***										
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0207	230791		TDCT	128-1	36	4440m	ODF	8-004S	134-595W	sTUNE02WT
0720	230791		TDCT X	129-1	abort		ODF	8-301S	134-596W	sTUNE02WT
0949	230791		TDCT	129-2	36	4440m	ODF	8-308S	134-589W	sTUNE02WT
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0730	250791		TDCT	134-1	36	4175m	ODF	10-598S	134-479W	sTUNE02WT
1402	250791		TDCT	135-1	36	4275m	ODF	11-292S	134-419W	sTUNE02WT
2042	250791		TDCT	136-1	36	4140m	ODF	11-589S	134-362W	sTUNE02WT
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2157	260791		TDCT	140-1	36	4399m	ODF	13-552S	134-106W	sTUNE02WT
0426	270791		TDCT	141-1	36	4217m	ODF	14-248S	134-050W	sTUNE02WT
1105	270791		TDCT	142-1	36	4238m	ODF	14-537S	133-584W	sTUNE02WT
0203	280791		TDCT	143-3	36	4200m	ODF	15-225S	133-536W	sTUNE02WT
1141	280791		TDCT	144-1	36	4218m	ODF	15-534S	133-476W	sTUNE02WT
1806	280791		TDCT	145-1	36	4243m	ODF	16-219S	133-392W	sTUNE02WT
0004	290791		TDCT	146-1	36	4244m	ODF	16-521S	133-339W	sTUNE02WT
0556	290791		TDCT	147-1	36	4382m	ODF	17-209S	133-281W	sTUNE02WT
1145	290791		TDCT	148-1	36	3961m	ODF	17-498S	133-217W	sTUNE02WT
1735	290791		TDCT	149-1	36	4093m	ODF	18-201S	133-146W	sTUNE02WT
2313	290791		TDCT	150-1	36	3860m	ODF	18-490S	133-089W	sTUNE02WT
0449	300791		TDCT	151-1	36	3609m	ODF	19-191S	133-030W	sTUNE02WT
1017	300791		TDCT	152-1	36	3445m	ODF	19-486S	132-571W	sTUNE02WT
2220	300791		TDCT	153-2	36	4345m	ODF	20-169S	132-496W	sTUNE02WT
0957	310791		TDCT	154-1	36	4280m	ODF	20-474S	132-440W	sTUNE02WT
1611	310791		TDCT	155-1	36	3857m	ODF	21-156S	132-379W	sTUNE02WT
2215	310791		TDCT	156-1	36	3820m	ODF	21-460S	132-318W	sTUNE02WT
0433	010891		TDCT	157-1	36	3500m	ODF	22-151S	132-257W	sTUNE02WT
1103	010891		TDCT	158-1	36	3393m	ODF	22-451S	132-181W	sTUNE02WT
1653	010891		TDCT	159-1	36	3602m	ODF	23-151S	132-266W	sTUNE02WT

#GMT DDMMYY LOC T #TIME DATE TIME Z	SAMP CODE	SAMPLE IDENTIFIER		DISP CODE	LAT.	LONG.	CRUISE LEG-SHIP
2246 010891	TDCT	160-1	36 3655m	ODF	23-444S	132-332W	sTUNE02WT
0459 020891	TDCT	161-1	36 3790m	ODF	24-127S	132-404W	sTUNE02WT
1106 020891	TDCT	162-1	36 3972m	ODF	24-428S	132-485W	sTUNE02WT
1708 020891	TDCT	163-1	36 4156m	ODF	25-123S	132-555W	sTUNE02WT
2308 020891	TDCT	164-1	36 3685m	ODF	25-409S	133-030W	sTUNE02WT
0935 030891	TDCT	165-2	36 4163m	ODF	26-063S	133-045W	sTUNE02WT
2217 030891	TDCT	166-2	36 4035m	ODF	26-386S	133-177W	sTUNE02WT
1203 040891	TDCT	167-1	36 3898m	ODF	27-079S	133-259W	sTUNE02WT
1839 040891	TDCT	168-1	36 4140m	ODF	27-376S	133-317W	sTUNE02WT
0030 050891	TDCT	169-1	36 4190m	ODF	28-061S	133-408W	sTUNE02WT
0632 050891	TDCT	170-1	36 3945m	ODF	28-358S	133-483W	sTUNE02WT
1201 050891	TDCT	171-1	36 4220m	ODF	29-046S	133-554W	sTUNE02WT
2332 050891	TDCT	172-2	36 4175m	ODF	29-336S	134-038W	sTUNE02WT
0935 060891	TDCT	173-1	36 4188m	ODF	30-026S	134-120W	sTUNE02WT
1544 060891	TDCT	174-1	36 3652m	ODF	30-320S	134-194W	sTUNE02WT
2135 060891	TDCT	175-1	36 4215m	ODF	31-011S	134-287W	sTUNE02WT
0339 070891	TDCT	176-1	36 4272m	ODF	31-305S	134-370W	sTUNE02WT
1010 070891	TDCT	177-1	36 4151m	ODF	32-002S	134-426W	sTUNE02WT
1630 070891	TDCT	178-1	36 4302m	ODF	32-284S	134-509W	sTUNE02WT
0430 080891	TDCT	179-2	36 4466m	ODF	33-008S	135-017W	sTUNE02WT
0333 120891	TDCT	180-2	36 5602m	ODF	37-308S	150-310W	sTUNE02WT
1528 120891	TDCT	181-1	36 5637m	ODF	37-009S	150-302W	sTUNE02WT
2200 120891	TDCT	182-1	abort	ODF	36-303S	150-292W	sTUNE02WT
0324 130891	TDCT	182-2	24 2000m	ODF	36-304S	150-297W	sTUNE02WT
1534 130891	TDCT	183-1	36 5262m	ODF	36-001S	150-298W	sTUNE02WT
2216 130891	TDCT	184-1	36 5270m	ODF	35-290S	150-305W	sTUNE02WT
0456 140891	TDCT	185-1	36 5408m	ODF	34-597S	150-300W	sTUNE02WT
1146 140891	TDCT	186-1	36 5310m	ODF	34-293S	150-309W	sTUNE02WT
0025 140891	TDCT	187-2	36 5205m	ODF	35-279S	150-315W	sTUNE02WT
1135 150891	TDCT	188-1	36 5182m	ODF	33-296S	150-312W	sTUNE02WT
0331 160891	TDCT	189-1	36 5372m	ODF	33-000S	150-298W	sTUNE02WT
1025 160891	TDCT	190-1	36 5131m	ODF	32-299S	150-300W	sTUNE02WT
1659 160891	TDCT	191-1	36 5137m	ODF	31-597S	150-300W	sTUNE02WT
2325 160891	TDCT	192-1	36 4918m	ODF	31-303S	150-310W	sTUNE02WT
0634 170891	TDCT	193-1	36 4825m	ODF	30-595S	150-317W	sTUNE02WT
1555 170891	TDCT	194-1	36 5015m	ODF	30-300S	150-309W	sTUNE02WT
2224 170891	TDCT	195-1	36 4188m	ODF	30-007S	150-292W	sTUNE02WT
0449 180891	TDCT	196-1	36 4594m	ODF	29-306S	150-306W	sTUNE02WT
1111 180891	TDCT	197-1	36 4657m	ODF	29-002S	150-305W	sTUNE02WT
2320 180891	TDCT	198-2	36 4745m	ODF	28-297S	150-298W	sTUNE02WT
0916 190891	TDCT	199-1	36 3430m	ODF	27-599S	150-293W	sTUNE02WT
1545 190891	TDCT	200-1	36 3420m	ODF	27-301S	150-291W	sTUNE02WT
2157 190891	TDCT	201-1	36 4700m	ODF	27-002S	150-289W	sTUNE02WT
0418 200891	TDCT	202-1	36 4737m	ODF	26-306S	150-297W	sTUNE02WT
1101 200891	TDCT	203-1	36 4590m	ODF	25-597S	150-298W	sTUNE02WT

#GMT DDMMYY LOC T #TIME DATE TIME Z	SAMP CODE	SAMPLE IDENTIFIER			DISP CODE	LAT.	LONG.	CRUISE LEG-SHIP
1753 200891	TDCT	204-1	36	2780m	ODF	25-300S	150-295W	sTUNE02WT
2358 200891	TDCT	205-1	36	4732m	ODF	24-583S	150-288W	sTUNE02WT
0556 210891	TDCT	206-1	36	4855m	ODF	24-296S	150-290W	sTUNE02WT
1220 210891	TDCT	207-1	36	4770m	ODF	24-007S	150-295W	sTUNE02WT
1842 210891	TDCT	208-1	36	4415m	ODF	23-302S	150-296W	sTUNE02WT
0102 220891	TDCT	209-1	36	4872m	ODF	22-598S	150-309W	sTUNE02WT
1206 220891	TDCT	210-1	36	4405m	ODF	22-301S	150-307W	sTUNE02WT
0013 230891	TDCT	211-1	36	4772m	ODF	22-010S	150-296W	sTUNE02WT
0650 230891	TDCT	212-1	36	4245m	ODF	21-307S	150-303W	sTUNE02WT
1315 230891	TDCT	213-1	36	4751m	ODF	21-007S	150-300W	sTUNE02WT
1948 230891	TDCT	214-1	36	4602m	ODF	20-304S	150-294W	sTUNE02WT
0155 240891	TDCT	215-1	36	3708m	ODF	20-004S	150-303W	sTUNE02WT
0815 240891	TDCT	216-1	36	4335m	ODF	19-305S	150-300W	sTUNE02WT
1433 240891	TDCT	217-1	36	4408m	ODF	19-002S	150-302W	sTUNE02WT
2027 240891	TDCT	218-1	36	4191m	ODF	18-304S	150-298W	sTUNE02WT
0214 250891	TDCT	219-1	36	3600m	ODF	18-010S	150-301W	sTUNE02WT
1000 250891	TDCT	220-1	36	3618m	ODF	17-312S	150-274W	sTUNE02WT
#*** GERARD BARRELS ***								
0647 240791	GCGB	132-1	9 bar	4450m	ODF	10-015S	134-592W	sTUNE02WT
1732 240791	GCGB	132-3	9 bar	4300m	ODF	9-599S	134-579W	sTUNE02WT
1943 270791	GCGB	143-1	2 bar	4265m	ODF	15-231S	133-525W	sTUNE02WT
2223 270791	GCGB	143-2	7 bar	4262m	ODF	15-231S	133-514W	sTUNE02WT
0531 280791	GCGB	143-4	8 bar	2217m	ODF	15-218S	133-551W	sTUNE02WT
1749 300791	GCGB	153-1	9 bar	4418m	ODF	20-164S	132-517W	sTUNE02WT
0317 310791	GCGB	153-3	9 bar	2600m	ODF	20-156S	132-508W	sTUNE02WT
0559 030891	GCGB	165-1	6 bar	1800m	ODF	26-081S	133-075W	sTUNE02WT
1731 030891	GCGB	166-1	9 bar	4170m	ODF	26-389S	133-150W	sTUNE02WT
0243 040891	GCGB	166-3	8 bar	4091m	ODF	26-005S	133-076W	sTUNE02WT
0732 040891	GCGB	166-4	1 bar	5m	ODF	26-064S	133-060W	sTUNE02WT
1925 050891	GCGB	172-1	6 bar	4150m	ODF	29-332S	134-035W	sTUNE02WT
0304 060891	GCGB	172-3	7 bar	2760m	ODF	29-329S	134-034W	sTUNE02WT
0445 060891	GCGB	172-4	1 bar	5m	ODF	29-326S	134-031W	sTUNE02WT
0021 080891	GCGB	179-1	7 bar	4400m	ODF	32-599S	135-010W	sTUNE02WT
0842 080891	GCGB	179-3	7 bar	2760m	ODF	33-031S	135-013W	sTUNE02WT
2240 110891	GCGB	180-1	7 bar	5602m	ODF	37-308S	150-279W	sTUNE02WT
0802 120891	GCGB	180-3	8 bar	3460m	ODF	37-321S	150-308W	sTUNE02WT
2008 140891	GCGB	187-1	7 bar	5233m	ODF	34-006S	150-297W	sTUNE02WT
0431 150891	GCGB	187-3	8 bar	3200m	ODF	34-018S	150-326W	sTUNE02WT
1836 180891	GCGB	198-1	7 bar	4950m	ODF	28-273S	150-301W	sTUNE02WT
0310 190891	GCGB	198-3	8 bar	3250m	ODF	28-289S	150-301W	sTUNE02WT
0820 220891	GCGB	210-1	7 bar	4575m	ODF	22-290S	150-295W	sTUNE02WT
1618 220891	GCGB	210-33	8 bar	2810m	ODF	22-307S	150-313W	sTUNE02WT

#GMT TIME	DDMMYY DATE	LOC T TIME Z	SAMP CODE	SAMPLE IDENTIFIER	DISP CODE	LAT.	LONG.	CRUISE LEG-SHIP
#*** CURRENT METERS ***								
0410	240791		CMDR	Drogue Drifter 15101	POR	10-001S	135-000W	sTUNE02WT
0656	280791		CMDR	Drogue Drifter 15119	POR	15-223S	133-555W	sTUNE02WT
0509	310791		CMDR	Drogue Drifter 15033	POR	20-145S	132-512W	sTUNE02WT
0945	010891		CMDR	Drogue Drifter 15112	POR	22-440S	132-180W	sTUNE02WT
1853	020891		CMDR	Drogue Drifter 15036	POR	25-139S	132-555W	sTUNE02WT
0811	060891		CMDR	Drogue Drifter 15118	POR	30-028S	134-122W	sTUNE02WT
0225	080891		CMDR	Drogue Drifter 15024	POR	33-010S	135-015W	sTUNE02WT
0305	140891		CMDR	Drogue Drifter 15129	POR	34-599S	150-299W	sTUNE02WT
0116	170891		CMDR	Drogue Drifter 15120	POR	31-303S	150-319W	sTUNE02WT
0020	180891		CMDR	Drogue Drifter 15032	POR	30-009S	150-274W	sTUNE02WT
0145	210891		CMDR	Drogue Drifter 15020	POR	24-577S	150-292W	sTUNE02WT
0329	240891		CMDR	Drogue Drifter 15044	POR	20-014S	150-304W	sTUNE02WT
0710	230791		CMRT	Alace 42 Sat Trackd	POR	8-300S	134-597W	sTUNE02WT
0415	260791		CMRT	Alace 50 Sat Trackd	POR	12-274S	134-294W	sTUNE02WT
0130	290791		CMRT	Alace 81 Sat trackd	POR	16-521S	133-341W	sTUNE02WT
1016	310791		CMRT	Alace 67 sat trackd	POR	20-474S	132-441W	sTUNE02WT
0343	030891		CMRT	Alace 77 sat trackd	POR	26-087S	133-099W	sTUNE02WT
0807	060891		CMRT	Alace 75 sat trackd	POR	30-029S	134-122W	sTUNE02WT
0105	120891		CMRT	Alace 87 sat trackd	POR	37-307S	150-252W	sTUNE02WT
0721	130891		CMRT	Alace 78 sat trackd	POR	35-599S	150-296W	sTUNE02WT
0118	170891		CMRT	Alace 79 sat trackd	POR	31-303S	150-320W	sTUNE02WT
0800	190891		CMRT	Alace 57 sat trackd	POR	27-597S	150-298W	sTUNE02WT
1040	210891		CMRT	Alace 30 sat trackd	POR	24-001S	150-300W	sTUNE02WT
0332	240891		CMRT	Alace 56 sat trackd	POR	20-015S	150-304W	sTUNE02WT
0200	170791		CMXX B	continuous ADCP	UHI	17-323S	149-341W	sTUNE02WT
1800	250891		CMXX E	0-500m	UHI	17-321S	149-351W	sTUNE02WT
#*** SURFACE SAMPLES***								
0200	170791		SSXX B	continuous surface	ODF	17-323S	149-341W	sTUNE02WT
1800	250791		SSXX E	temperature	ODF	11-473S	134-378W	sTUNE02WT
#***				End Sample Index				TUNE02WT