

INFORMAL REPORT AND INDEX OF  
NAVIGATION, DEPTH, MAGNETIC AND SUBBOTTOM PROFILER DATA

(Issued July 1986)

PAPATUA EXPEDITION

LEG 8

Palau (25 March 1986)  
to  
Guam (22 April 1986)

R/V T. Washington

Chief Scientist - A. Yayanos

Resident Marine Tech - G. Hargreaves

Post-Cruise Processing and Report Preparation  
by S.I.O. Geological Data Center

Data Collection Funded by NSF OCE83-17741  
Bathymetry Processing Funded by NGDC Contract 50RANE600049

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 the Geological Data Center, Scripps Institution of Oceanography, La Jolla, California 92093.

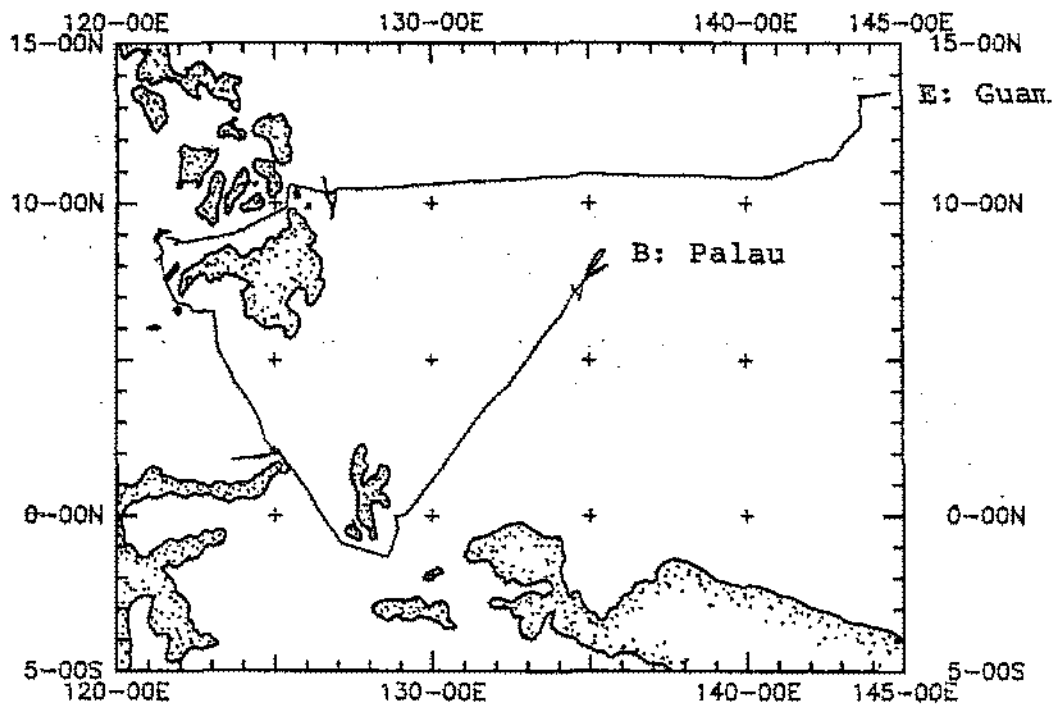
GDC Cruise I.D.# 220

## SIO Sea Beam Data

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

- 1) Archive contour 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 UGR monitor record and navigation listings.
- 3) Sea Beam merged tapes - Sea Beam data merged with navigation. (Navigation is edited to the extent that 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) 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).

S. M. Smith - June 1985



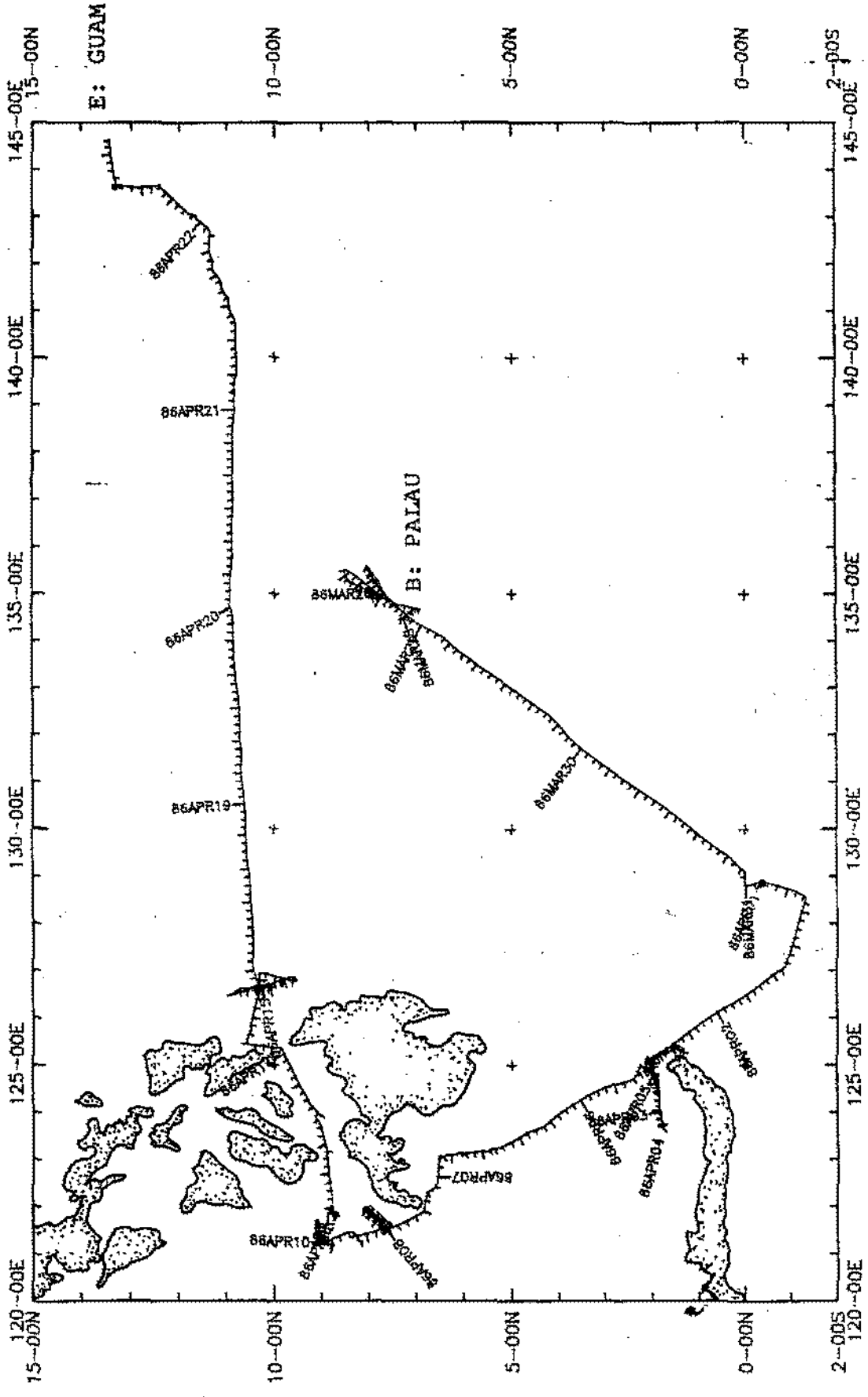
PAPATUA LEG 08 Track at .1632in/degree

PAPATUA EXPEDITION  
LEG 8

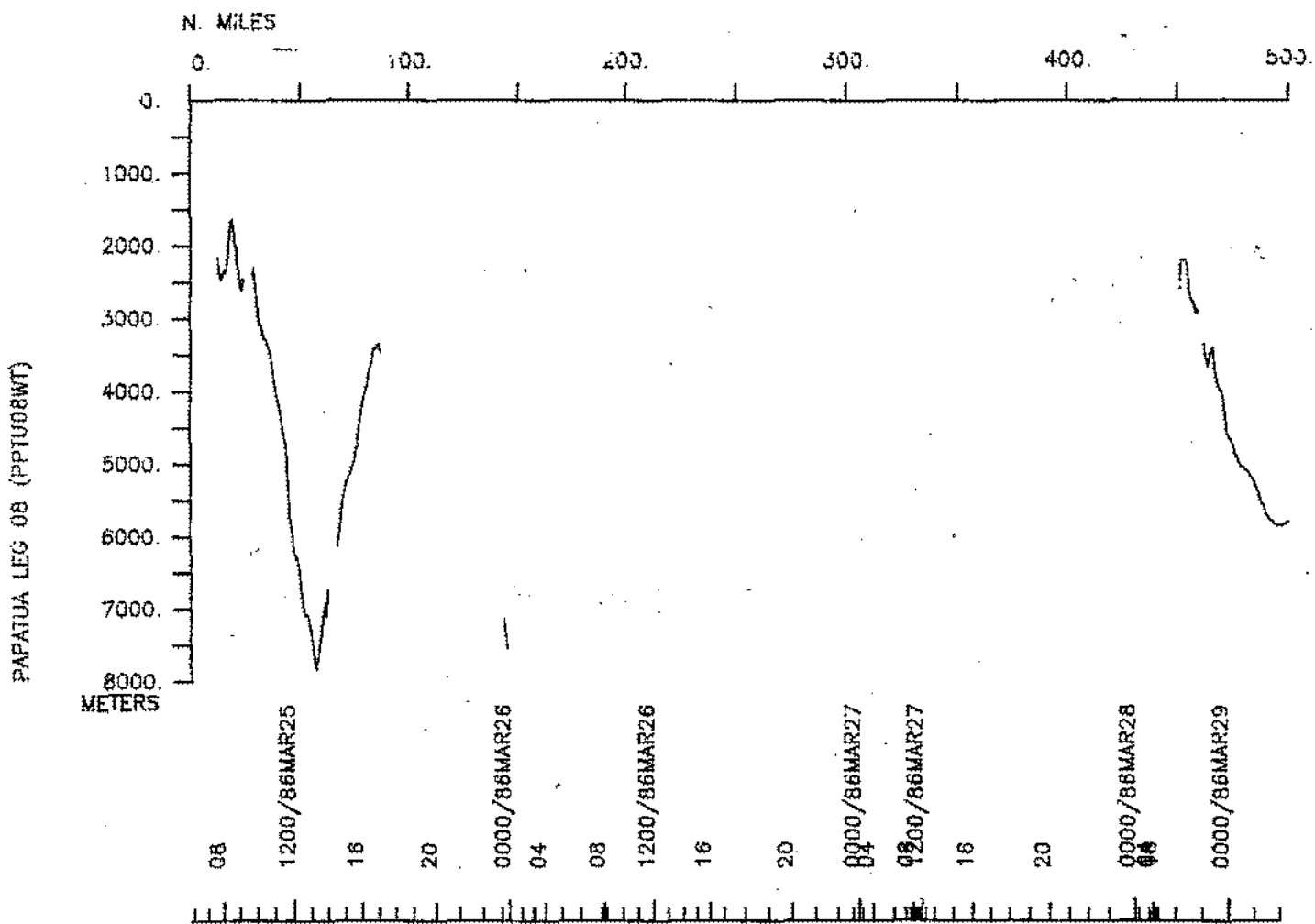
CHIEF SCIENTIST: A. Yayanos  
 PORTS: Palau - Guam  
 DATES: 25 March - 22 April 1986  
 SHIP: R/V T. Washington

TOTAL MILEAGE OF UNDERWAY DATA COLLECTED

- 1) Cruise - 4873 miles
- 2) Bathymetry - 3870 miles
- 3) Magnetics - none collected
- 4) Seismic Reflection - none collected
- 5) Gravity - none collected
- 6) SeaBeam - 3870 miles

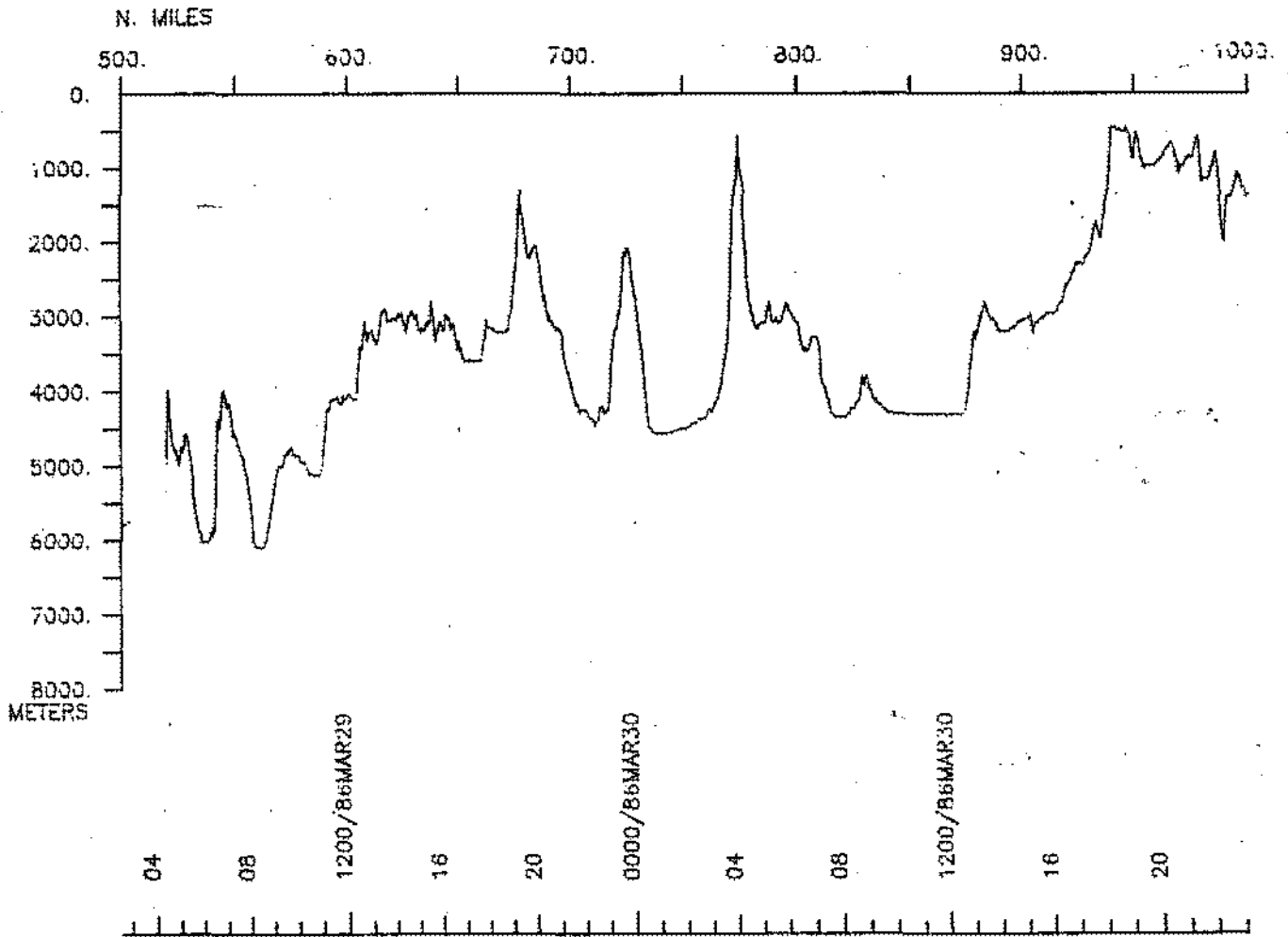


PAPATUA LEG 8 track at .312in/deg

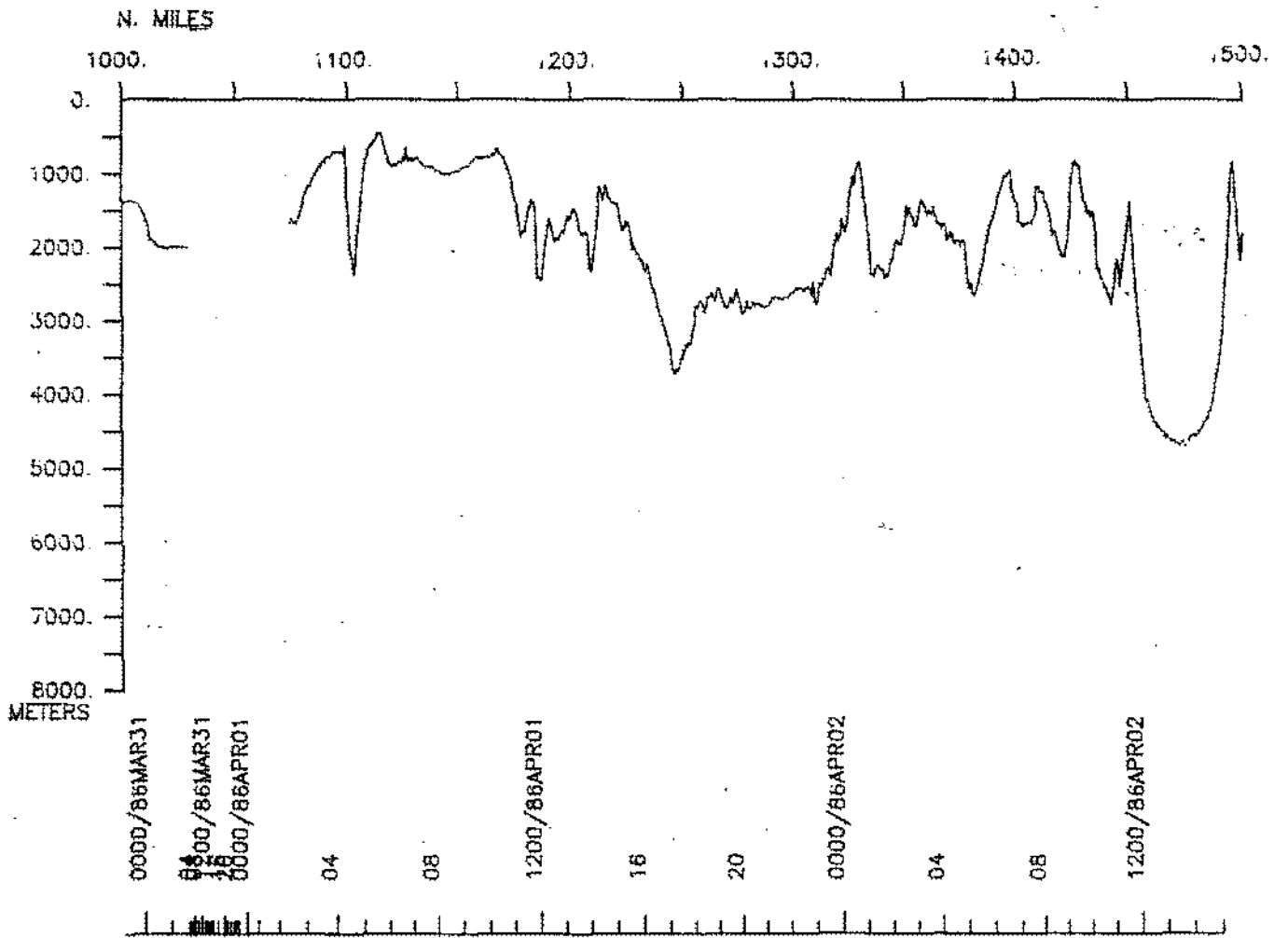


SEA BEAM

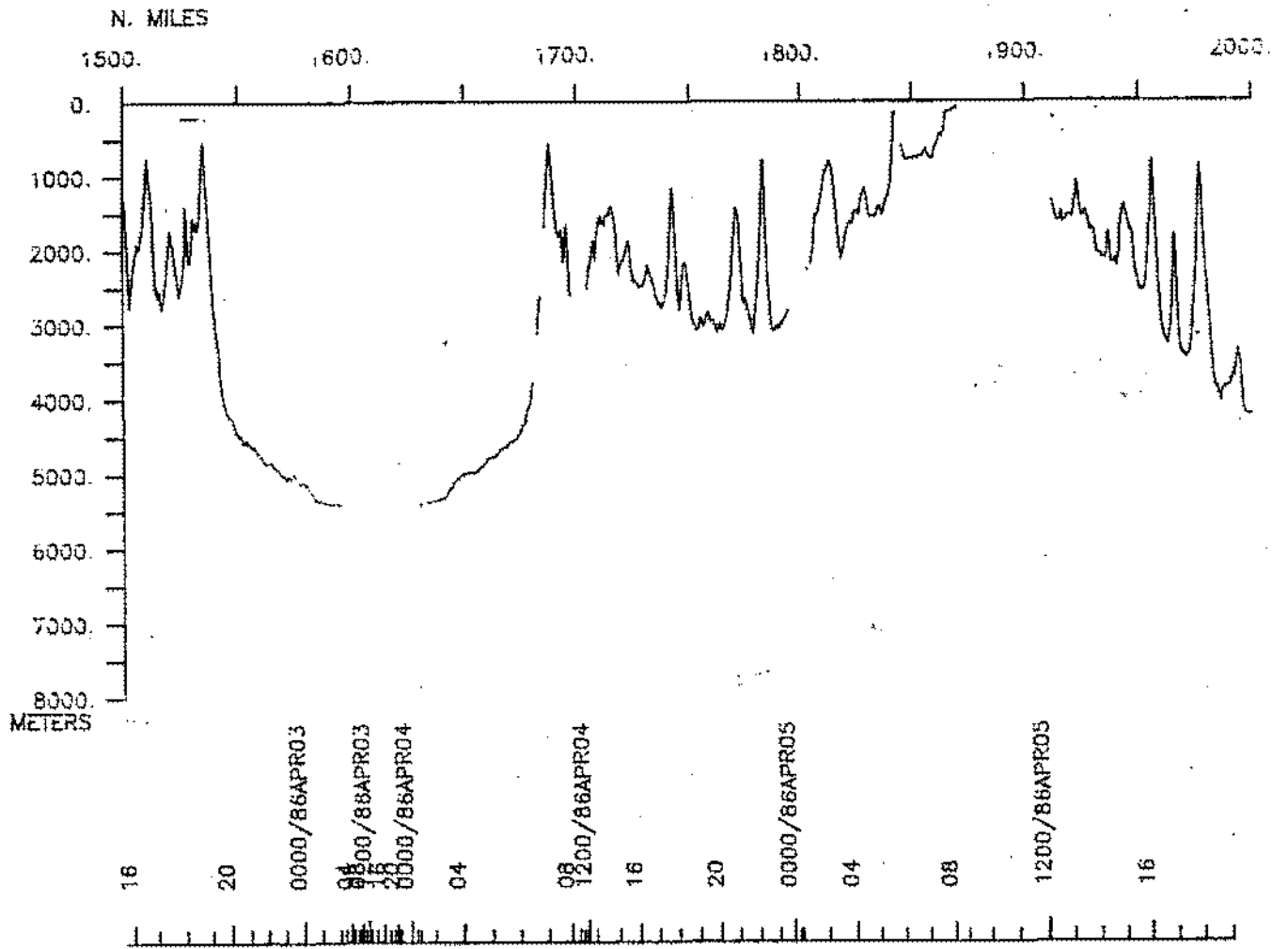
PAPATUA LEG 08 (PPTUBWT)



PAPATUA LEG 08 (PPTUD8WT)

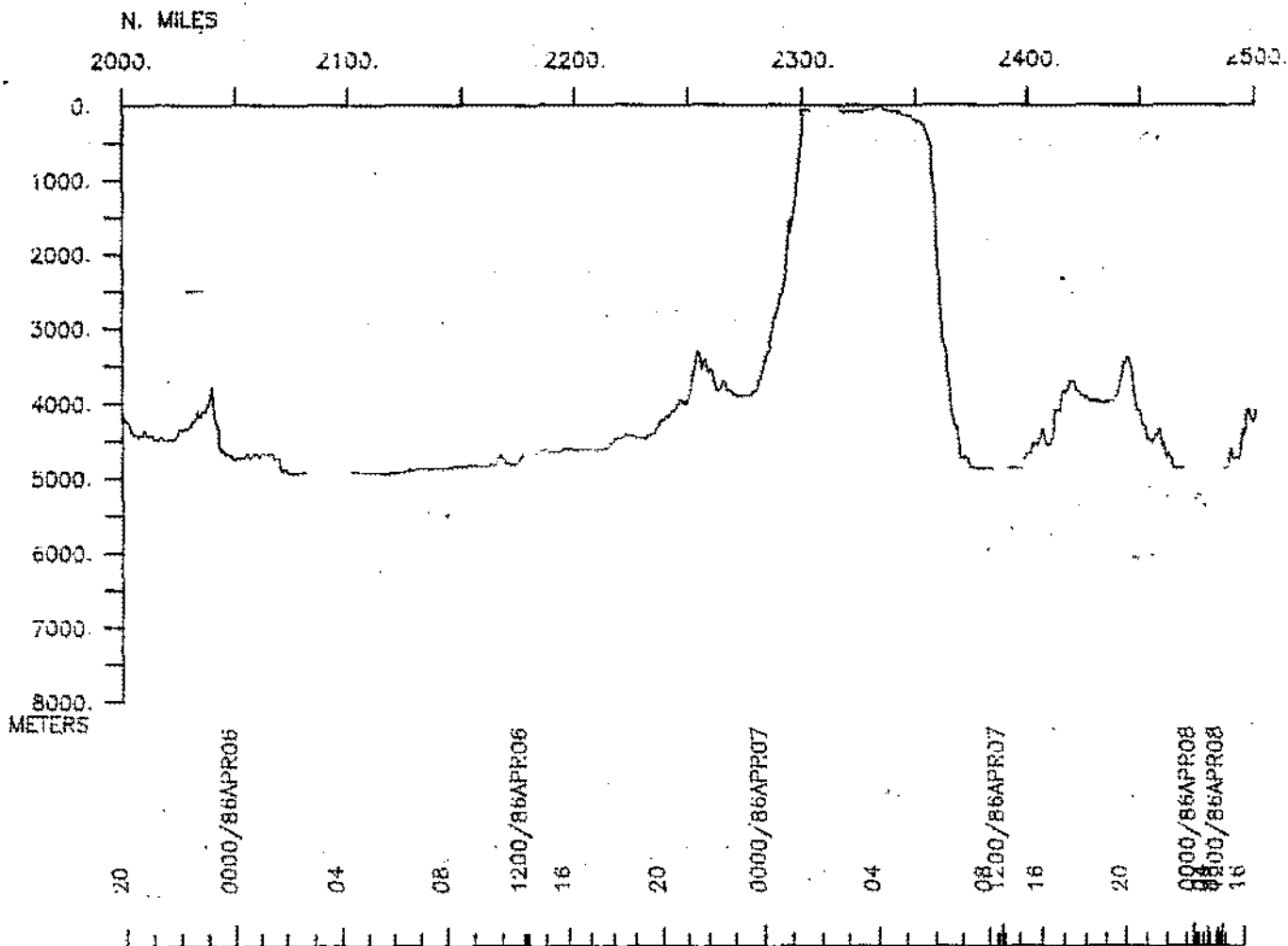


PAPATUA LEG OR (PPTU08WT)

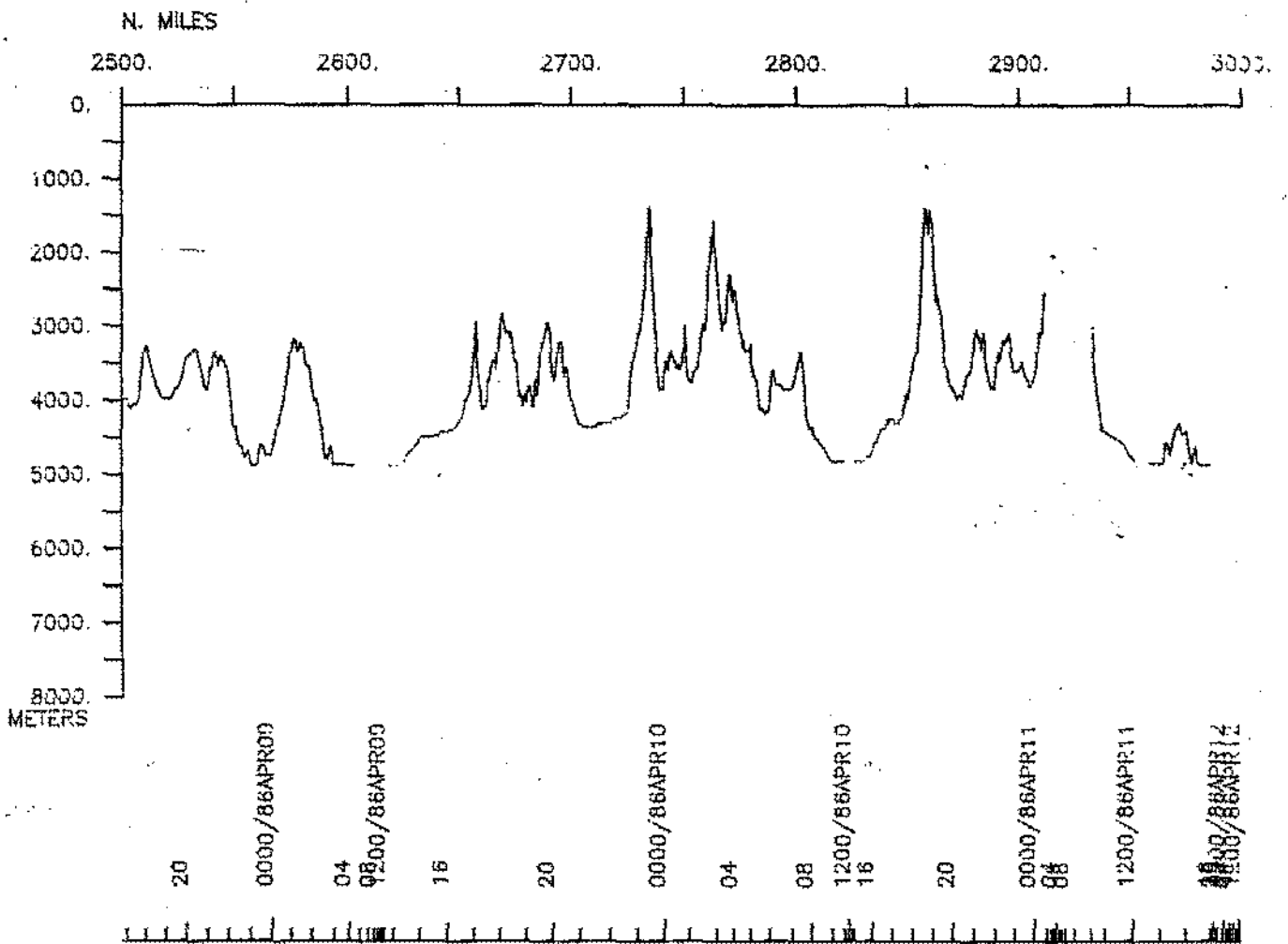




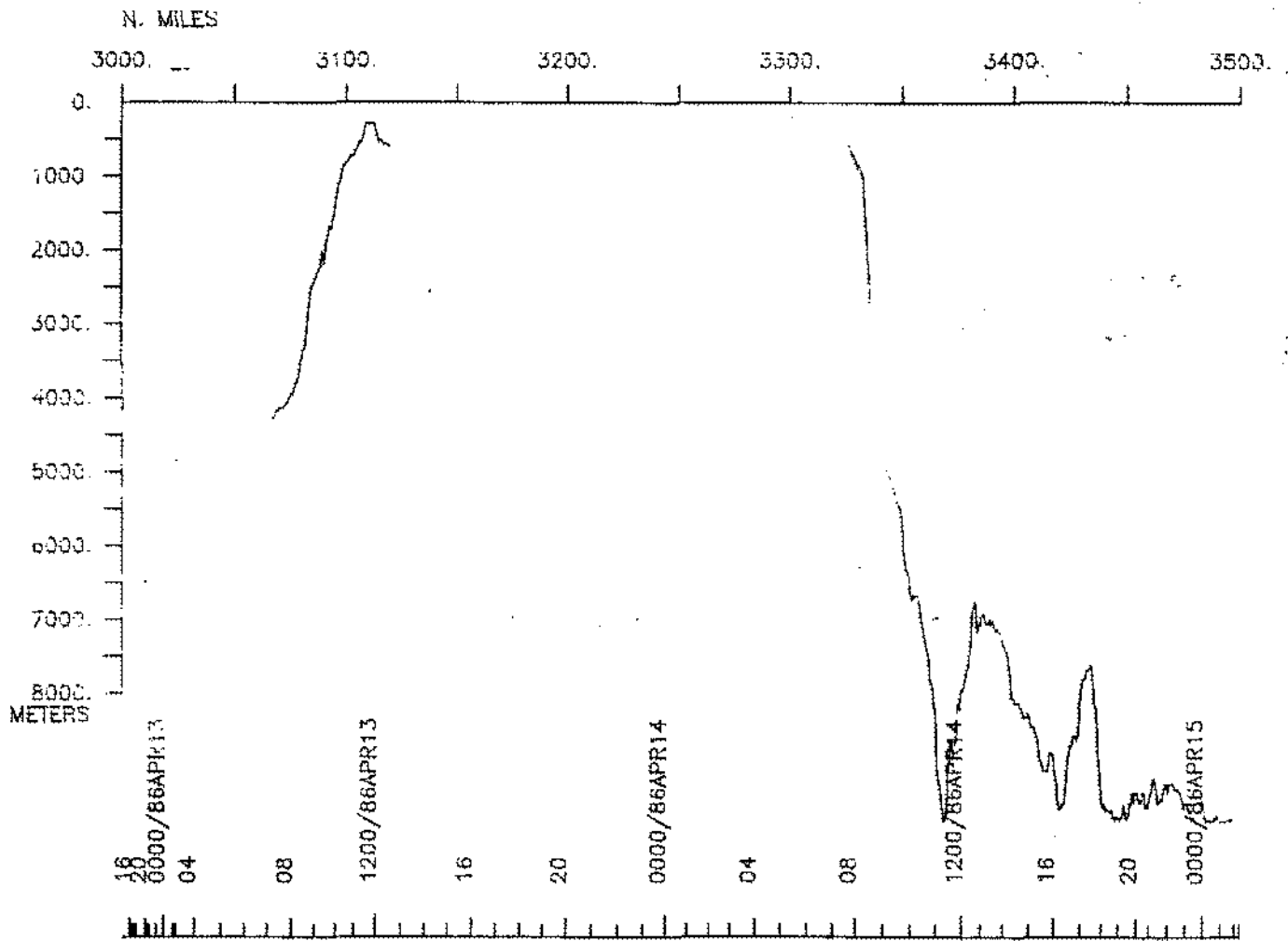
PAPATUA LEG 08 (PPTU08WT)



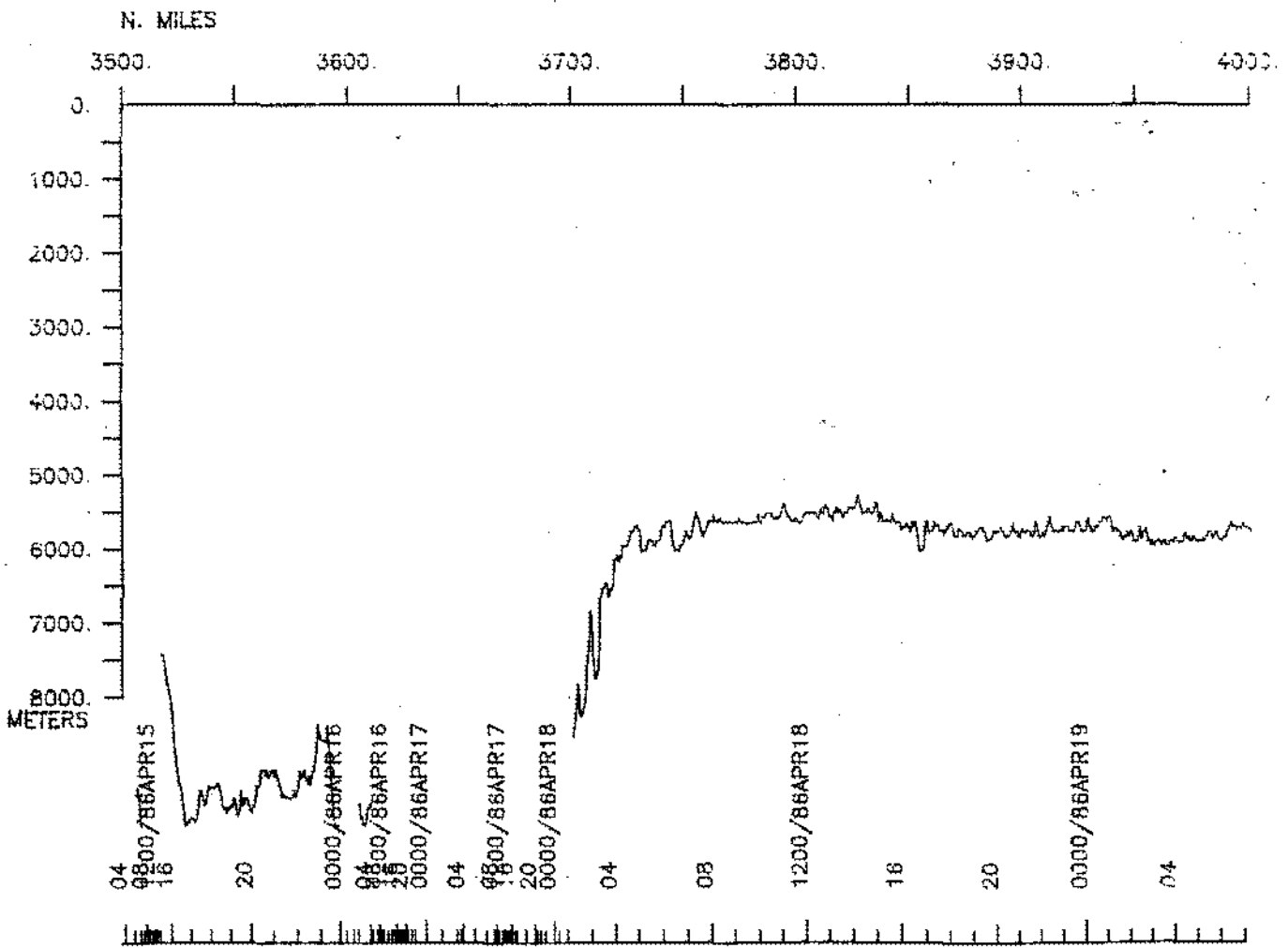
PAPATUA LEG 08 (PPTU08WT)



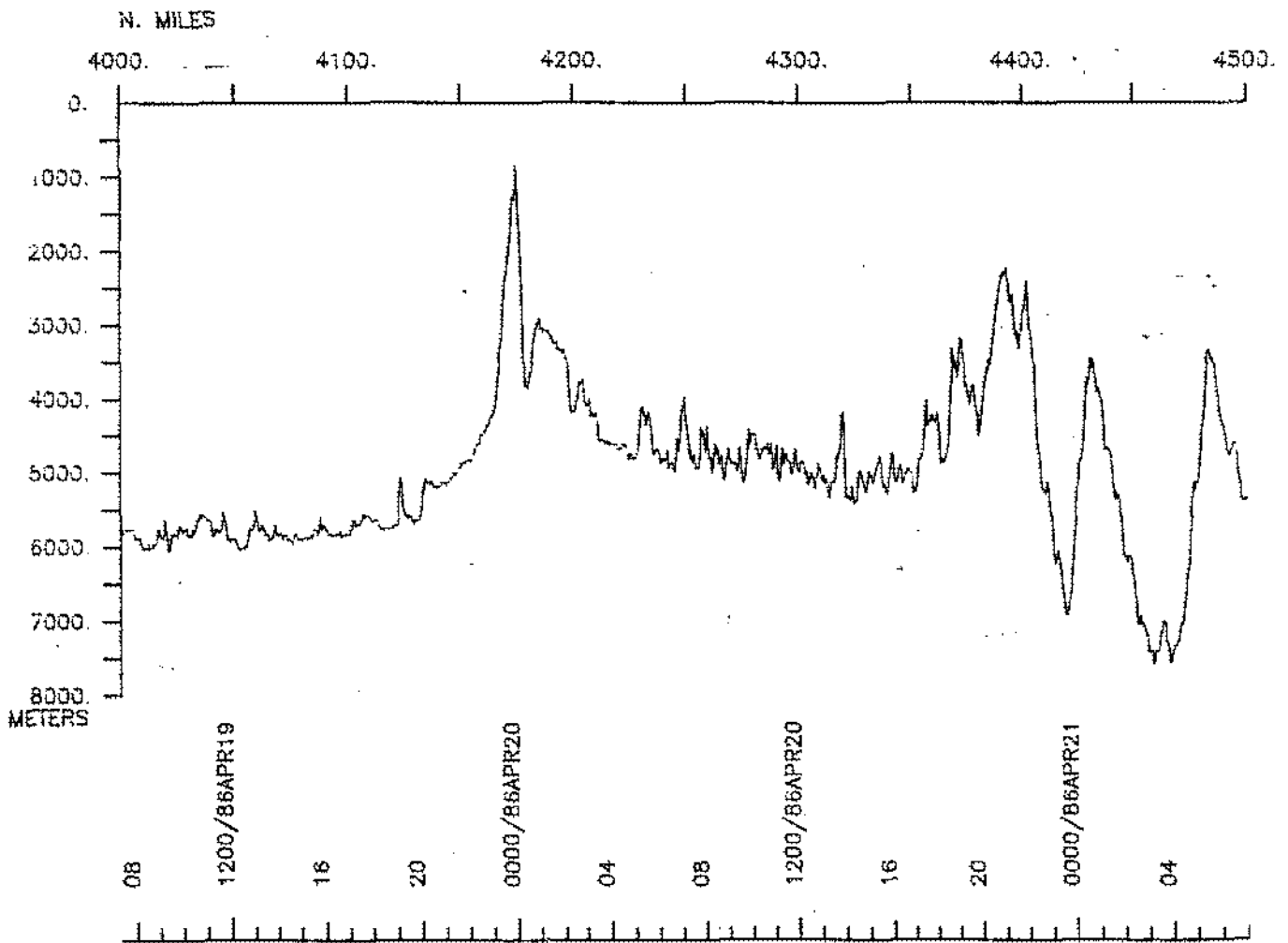
PAPATUA LEG 08 (PPTU08WT)



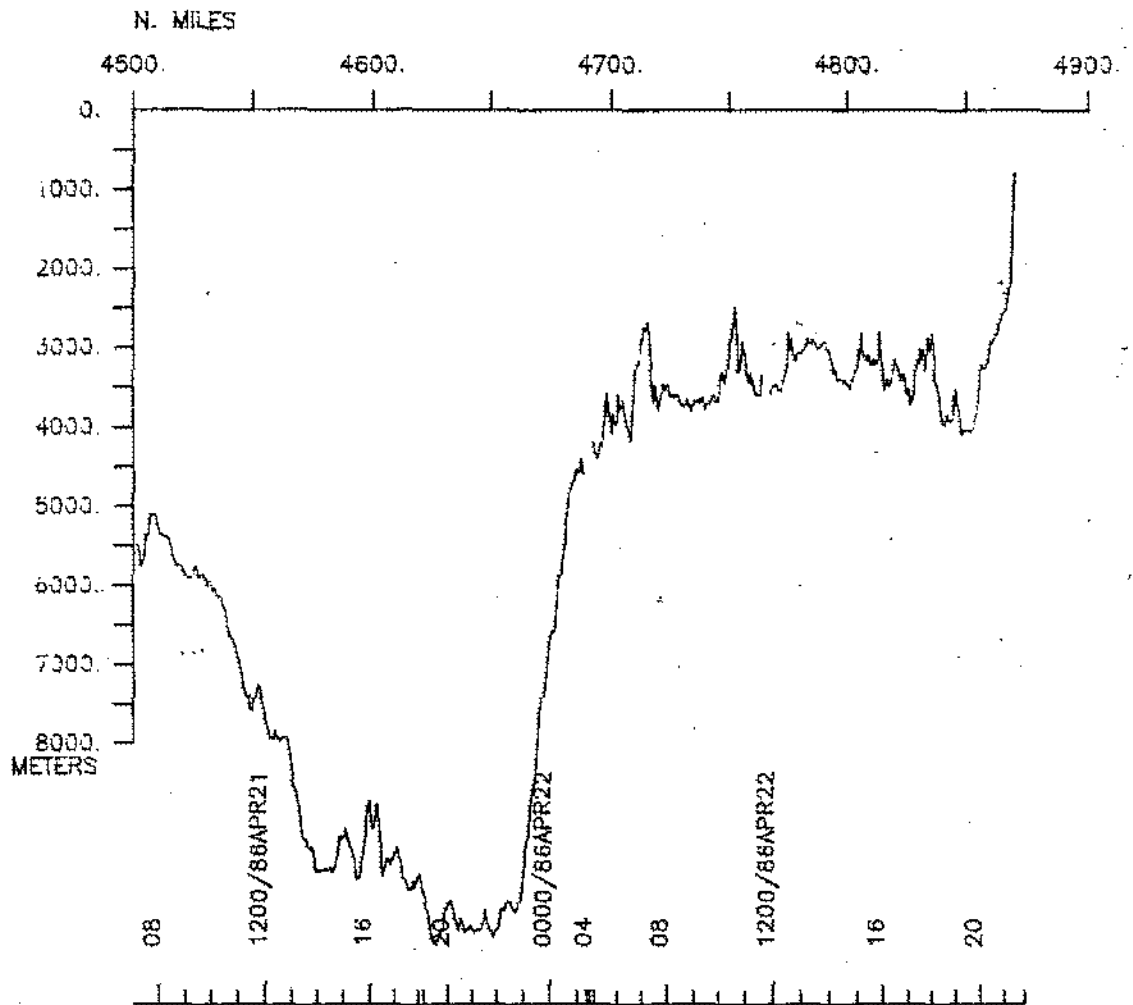
PAPATUA LEG 08 (PPT1008WT)



PAPATUA LEG 08 (PPTU08WT)



PAPATUA LIG 08 (PPTUDRWT)



S.I.O. SAMPLE INDEX

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Leg 8

Palau (25 March 1986)  
to  
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Chief Scientist - A. Yayanos

Post-Cruise Processing and Report Preparation  
by S.I.O. Geological Data Center

Index Encoding Funded by NSF  
Grant Number OCE83-16603  
Index Processing and Report Preparation  
funded in part by SIA

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

GDC Cruise I.D. #220

\*\*\*\*PORTS\*\*\*\*

0600	250386	LGPT B PALAU	7-30 N 134-35 E	FPPTU08WT
2240	220486	LGPT E GUAM	13-27 N 144-37 E	FPPTU08WT
0010	280386	LGUS B PALAU	7-30 N 134-35 E	FPPTU08WT
2136	280386	LGUS E PALAU	7-30 N 134-35 E	FPPTU08WT

\*\*\*\*PERSONNEL\*\*\*\*

	***NAME***	***TITLE***	***AFFILIATION***	**CRID**
PECS GRD	YAYANOS, A.	CHIEF SCIENTIST	SCRIPPS INSTITUTION	PPTU08WT
PERT STS	HARGREAVES, G.	RESIDENT TECH	SCRIPPS INSTITUTION	PPTU08WT
PECT STS	ABBOTT, J.L.	COMPUTER TECH	SCRIPPS INSTITUTION	PPTU08WT
PEST MBD	DELONG, E.F.	GRAD. STUDENT	SCRIPPS INSTITUTION	PPTU08WT
PEOB SIX	KUNARSO, D.H.	BIOLOGIST	INDONESIA	PPTU08WT
PEOB SIX	AMIRUDDIN	LT. COLONEL	INDONESIA	PPTU08WT
PESP MBD	VAN BOXTEL, R.	RESEARCH ASSO.	SCRIPPS INSTITUTION	PPTU08WT
PESP STS	WALSH, T.	MUSEUM SCIENTIST	SCRIPPS INSTITUTION	PPTU08WT

\*\*\*\*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. POSITIONS ARE IN TENTHS  
 #OF MINUTES.



#GMT	DDMMYY	LOC	T	SAMP	SAMPLE	DISP			CRUISE
#TIME	DATE	TIME	Z	CODE	IDENTIFIER	CODE	LAT.	LONG.	LEG-SHIP

\*\*\*UNDERWAY DATA CURATOR - S. M. SMITH EXT.2752

\*\*\*LOG BOOKS\*\*\*

0556	250386			LBUW B	UNDERWAY WATCH LOG	GDC	7-194N	134-278E	sPPTU08WT
2133	220486			LBUW E	UNDERWAY WATCH LOG	GDC	13-269N	144-368E	sPPTU08WT

\*\*\*THERMOGRAPHS\*\*\*

	250386	1626		TGRC B	THERMOGRAPHS 1-21	GDC	7-550N	135-197E	sPPTU08WT
	230485	1000		TGRC E	THERMOGRAPHS 1-21	GDC	7-199N	134-276E	sPPTU08WT

\*\*\*SEABEAM MONITOR RECORDINGS - EPC 12 KHZ\*\*\*

0811	250386			MBRM B	SB MONITOR EPC R-01	GDC	7-108N	134-324E	sPPTU08WT
2000	290386			MBRM E	SB MONITOR EPC R-01	GDC	4-013N	132-125E	sPPTU08WT
2020	290386			MBRM B	SB MONITOR EPC R-02	GDC	3-589N	132-098E	sPPTU08WT
2000	010486			MBRM E	SB MONITOR EPC R-02	GDC	0-018S	126-294E	sPPTU08WT
2022	010486			MBRM B	SB MONITOR EPC R-03	GDC	0-016N	126-271E	sPPTU08WT
0800	060486			MBRM E	SB MONITOR EPC R-03	GDC	4-512N	123-274E	sPPTU08WT
0802	060486			MBRM B	SB MONITOR EPC R-04	GDC	4-515N	123-272E	sPPTU08WT
0505	130486			MBRM E	SB MONITOR EPC R-04	GDC	8-475N	122-111E	sPPTU08WT
0505	130486			MBRM B	SB MONITOR EPC R-05	GDC	8-475N	122-111E	sPPTU08WT
0016	200486			MBRM E	SB MONITOR EPC R-05	GDC	10-561N	134-447E	sPPTU08WT
0021	200486			MBRM B	SB MONITOR EPC R-06	GDC	10-562N	134-456E	sPPTU08WT
2133	220486			MBRM E	SB MONITOR EPC R-06	GDC	13-269N	144-368E	sPPTU08WT

\*\*\*SEABEAM ARCHIVE SWATH BOOKS\*\*\*

0426	290386			MBSB B	SB ARCHIVE SW.BK. 01	GDC	6-131N	133-522E	sPPTU08WT
2303	300386			MBSB E	SB ARCHIVE SW.BK. 01	GDC	0-001S	128-589E	sPPTU08WT
2311	300386			MBSB B	SB ARCHIVE SW.BK. 02	GDC	0-000N	128-573E	sPPTU08WT
1428	010486			MBSB E	SB ARCHIVE SW.BK. 02	GDC	0-525S	127-047E	sPPTU08WT
1447	010486			MBSB B	SB ARCHIVE SW.BK. 03	GDC	0-496S	127-026E	sPPTU08WT
0320	020486			MBSB E	SB ARCHIVE SW.BK. 03	GDC	1-082N	125-455E	sPPTU08WT
0323	020486			MBSB B	SB ARCHIVE SW.BK. 04	GDC	7-199N	134-276E	sPPTU08WT
1945	040486			MBSB E	SB ARCHIVE SW.BK. 04	GDC	2-162N	125-005E	sPPTU08WT
1948	040486			MBSB B	SB ARCHIVE SW.BK. 05	GDC	7-199N	134-276E	sPPTU08WT
1548	050486			MBSB E	SB ARCHIVE SW.BK. 05	GDC	2-046N	124-570E	sPPTU08WT
1548	050486			MBSB B	SB ARCHIVE SW.BK. 06	GDC	2-046N	124-570E	sPPTU08WT
2004	050486			MBSB E	SB ARCHIVE SW.BK. 06	GDC	2-486N	124-341E	sPPTU08WT

#GMT	DDMMYY	LOC. T	SAMP	LO	SAMPLE	DISP	DISP	CRUISE	
#TIME	DATE	TIME	Z	CODE	IDENTIFIER	CODE	LAT.	LONG.	LALEG-SHIP
2005	050486			MBSB	B SB ARCHIVE SW.BK. 07	GDC	2-488N	124-341E	sPPTU08WT
0436	070486			MBSB	E SB ARCHIVE SW.BK. 07	GDC	6-566N	121-500E	sPPTU08WT
0451	070486			MBSB	B SB ARCHIVE SW.BK. 08	GDC	7-199N	134-276E	sPPTU08WT
2003	090486			MBSB	E SB ARCHIVE SW.BK. 08	GDC	8-161N	121-238E	sPPTU08WT
2006	090386			MBSB	B SB ARCHIVE SW.BK. 09	GDC	7-199N	134-276E	sPPTU08WT
1335	150486			MBSB	E SB ARCHIVE SW.BK. 09	GDC	10-158N	126-346E	sPPTU08WT
0507	150486			MBSB	B SB ARCHIVE SW.BK. 10	GDC	10-198N	126-377E	sPPTU08WT
1824	190486			MBSB	E SB ARCHIVE SW.BK. 10	GDC	10-503N	133-426E	sPPTU08WT
1825	190486			MBSB	B SB ARCHIVE SW.BK. 11	GDC	10-503N	133-428E	sPPTU08WT
0057	220486			MBSB	E SB ARCHIVE SW.BK. 11	GDC	11-414N	143-020E	sPPTU08WT
0059	220486			MBSB	B SB ARCHIVE SW.BK. 12	GDC	7-199N	134-276E	sPPTU08WT
2132	220486			MBSB	E SB ARCHIVE SW.BK. 12	GDC	13-269N	144-366E	sPPTU08WT

\*\*\*FREE VEHICLES TRAPS\*\*\*

0240	260386			TRFV	B INSUL.TUBE TR. ITT01	MBD	7-468N	134-576E	sPPTU08WT
2350	260386			TRFV	E INSUL.TUBE TR. ITT01	MBD	7-473N	134-572E	sPPTU08WT
0816	260386			TRFV	B PRES.RET.ANIMAL TR.02	MBD	7-490N	134-570E	sPPTU08WT
0554	270386			TRFV	E P.R.A.T. 02	MBD	7-492N	134-562E	sPPTU08WT
0248	310386			TRFV	B INSUL.TUBE TR. ITT03	MBD	0-208S	128-527E	sPPTU08WT
2345	310386			TRFV	E INSUL.TUBE TR. ITT03	MBD	0-208S	128-530E	sPPTU08WT
0312	310386			TRFV	B INSUL.TUBE TR. ITT04	MBD	0-212S	128-533E	sPPTU08WT
0100	010486			TRFV	E INSUL.TUBE TR. ITT04	MBD	0-214S	128-534E	sPPTU08WT
0301	030486			TRFV	B INSUL.TUBE TR. ITT05	MBD	1-481N	123-426E	sPPTU08WT
0003	040486			TRFV	E INSUL.TUBE TR. ITT05	MBD	1-485N	123-427E	sPPTU08WT
0600	030486			TRFV	B PRES.RET.ANIMAL TR.06	MBD	1-486N	123-430E	sPPTU08WT
0206	040486			TRFV	E P.R.A.T. 06	MBD	1-488N	123-433E	sPPTU08WT
0831	040486			TRFV	B INSUL.TUBE TR. ITT07	MBD	1-582N	124-481E	sPPTU08WT
0000	050486			TRFV	E INSUL.TUBE TR. ITT07	MBD	1-584N	124-483E	sPPTU08WT
0907	040486			TRFV	B INSUL.TUBE TR. ITT08	MBD	1-580N	124-503E	sPPTU08WT
0150	050486			TRFV	E INSUL.TUBE TR. ITT08	MBD	1-581N	124-505E	sPPTU08WT
0843	070486			TRFV	B INSUL.TUBE TR. ITT09	MBD	7-375N	121-311E	sPPTU08WT
0113	080486			TRFV	E INSUL.TUBE TR. ITT09	MBD	7-375N	121-314E	sPPTU08WT
1022	070486			TRFV	B PRES.RET.ANIMAL TR.10	MBD	7-368N	121-304E	sPPTU08WT
0357	080486			TRFV	E P.R.A.T. 10	MBD	7-370N	121-302E	sPPTU08WT
0548	080486			TRFV	B INSUL.TUBE TR. ITT11	MBD	7-365N	121-307E	sPPTU08WT
0628	090486			TRFV	E INSUL.TUBE TR. ITT11	MBD	7-364N	121-307E	sPPTU08WT
0632	080486			TRFV	B INSUL.TUBE TR. ITT12	MBD	7-379N	121-322E	sPPTU08WT
0523	090486			TRFV	E INSUL.TUBE TR. ITT12	MBD	7-379N	121-321E	sPPTU08WT
0319	100486			TRFV	B INSUL.TUBE TR. ITT13	MBD	8-584N	121-212E	sPPTU08WT
0136	110486			TRFV	E INSUL.TUBE TR. ITT13	MBD	8-584N	121-211E	sPPTU08WT

#	GMT TIME	DDMMYY DATE	LOC TIME Z	T	SAMP CODE	SAMPLE IDENTIFIER	DISP CODE	LAT.	LONG.	CRUISE LEG-SHIP
	0335	100486			TRFV B	INSUL.TUBE TR. ITT14	MBD	8-583N	121-212E	sPPTU08WT
	1009	110486			TRFV E	INSUL.TUBE TR. ITT14	MBD	8-584N	121-208E	sPPTU08WT
	1516	110486			TRFV B	INSUL.TUBE TR. ITT15	MBD	8-441N	121-515E	sPPTU08WT
	0115	130486			TRFV E	INSUL.TUBE TR. ITT15	MBD	8-445N	121-510E	sPPTU08WT
	1523	110486			TRFV B	INSUL.TUBE TR. ITT16	MBD	8-441N	121-516E	sPPTU08WT
	2340	120486			TRFV E	INSUL.TUBE TR. ITT16	MBD	8-444N	121-513E	sPPTU08WT
	0159	150486			TRFV B	INSUL.TUBE TR. ITT17	MBD	10-153N	126-396E	sPPTU08WT
	0109	160486			TRFV E	INSUL.TUBE TR. ITT17	MBD	10-141N	126-391E	sPPTU08WT
	0257	150486			TRFV B	PRES.RET.ANIMAL TR.18	MBD	10-139N	126-407E	sPPTU08WT
	0223	160486			TRFV E	P.R.A.T. 18	MBD	10-131N	126-400E	sPPTU08WT
	0538	170486			TRFV B	INSUL.TUBE TR. ITT19	MBD	10-246N	126-407E	sPPTU08WT
	2247	170486			TRFV E	INSUL.TUBE TR. ITT19	MBD	10-244N	126-404E	sPPTU08WT
	0656	170486			TRFV B	PRES.RET.ANIMAL TR.20	MBD	10-219N	126-386E	sPPTU08WT
	0132	180486			TRFV E	P.R.A.T. 20	MBD	10-213N	126-382E	sPPTU08WT

\*\*\*\*HYDROCASTS\*\*\*\*

0246	270386	HCNI	HYDROCAST 01	MBD	7-480N	134-574E	sPPTU08WT
1100	070486	HCNI	HYDROCAST 02	MBD	7-370N	121-306E	sPPTU08WT
0745	110486	HCNI	HYDROCAST 03	MBD	8-580N	121-205E	sPPTU08WT
0221	130486	HCNI	HYDROCAST 04	MBD	8-447N	121-505E	sPPTU08WT
0954	170486	HCNI	HYDROCAST 05	MBD	7-199N	134-276E	sPPTU08WT
1145	170486	HCNI	HYDROCAST 05A	MBD	10-195N	126-385E	sPPTU08WT
0308	220486	HCNI	HYDROCAST 06	MBD	11-446N	143-024E	sPPTU08WT

\*\*\*\*CORES\*\*\*\*

0957	270386	COPS	GRAVITY/PISTON 01	GRD	7-536N	134-576E	sPPTU08WT
1015	310386	COPS	PISTON CORE 02	MBD	0-252S	128-534E	sPPTU08WT
1015	310386	COGV	GRAVITY CORE 02	GRD	0-252S	128-534E	sPPTU08WT
0958	030486	COPS	PISTON CORE 03	MBD	1-485N	123-451E	sPPTU08WT
0958	030486	COGV	GRAVITY CORE 03	GRD	1-485N	123-451E	sPPTU08WT
1145	040486	COGV	GRAVITY CORE 04	MBD	1-597N	124-534E	sPPTU08WT
1240	060486	COGV	GRAVITY CORE 05	MBD	5-219N	123-123E	sPPTU08WT
1250	080486	COPS	PISTON CORE 06	GRD	7-374N	121-347E	sPPTU08WT
1250	080486	COGV	GRAVITY CORE 06	MBD	7-374N	121-347E	sPPTU08WT
	090486	COPS X	PRETRIP. PISTON 07	GRD	7-343N	121-406E	sPPTU08WT
	100486	COGV	GRAVITY CORE 08	MBD	9-047N	121-427E	sPPTU08WT
	100486	COPS X	PRETRIP. PISTON 08	MBD	9-047N	121-427E	sPPTU08WT
0605	120486	COPS	PISTON CORE 09	MBD	8-435N	121-523E	sPPTU08WT
0605	120486	COGV	GRAVITY CORE 09	GRD	8-435N	121-523E	sPPTU08WT
1016	150486	COPS X	PRETRIP. CORE 10	GRD	10-173N	126-357E	sPPTU08WT
0939	160486	COPS	PISTON CORE 11	MBD	10-140N	126-402E	sPPTU08WT
0939	160486	COGV	GRAVITY CORE 11	GRD	10-140N	126-402E	sPPTU08WT
0328	220486	COGV	GRAVITY CORE 12	GRD	11-445N	143-024E	sPPTU08WT

#

END SAMPLE INDEX