EURYDICE EXPEDITION

LEG 7

R/V THOMAS WASHINGTON

INFORMAL REPORT AND INDEX OF NAVIGATION, DEPTH AND MAGNETIC DATA

Cebu, Philippines (21 February 1975)

to

Guam (19 March 1975)

Chief Scientist - W. Hessler

Resident Marine Tech - B. Wilson

Post-Cruise Processing by - S. Smith, U. Albright,

G. Psaropulos, R. Lingley

PREPARED BY

Underway Data Processing Group

S.I.O. Geological Data Center

Scripps Institution of Oceanography

La Jolla, California

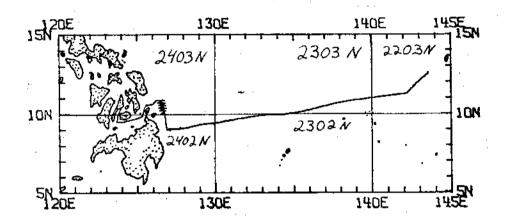
Contents:

- Index Chart gives track of cruise leg and boundaries of depth compilation plots (see below).
- Track Charts annotated with dates (day/month) and hour ticks. The scale (.3"/deg. long) is the same as the index charts of previous SIO cruises published as Report IMR TR-25.
- Profiles Depth and magnetic anomaly vs. distance. Dates (day/month) and positions of major course changes (greater than 30 degrees) are annotated. Sections of track having subbottom profiler (airgun) records have a solid black line along the bottom of the profile.

For information on the availability and reproduction costs of data in the following forms, contact T. E. Chase, Curator, Geological Data Center, Scripps Institution of Oceanography, La Jolla, California 92037 (452-2182):

- 1. Navigation listing of times and positions of course and speed changes, fixes and drift velocity.
- 2. Depth compilation plots in fathoms (assumed sound velocity of 800 fm./sec.) at approximately 1 mile spacing, plotted at 4" degree with standard U.S. Navy Oceanographic Office BC series boundaries (see index chart).
- 3. Plots of magnetic anomaly profiles along track-map scale = 1.2"/ degree; anomaly scale between 15°N and 15°S latitude = 500 gamma/inch; anomaly scale north of 15°N and south of 15°S = 1000 gamma/inch) from values retrieved at approximately 1 mile spacing and regional field removed using the 1965 IGRF.
- 4. Card Decks of navigation, depth and magnetics (for specific formats, contact S. M. Smith, Geological Data Center).
- 5. S.I.O. Sample Index list of beginning and end times and positions of all underway records as well as all other samples (geology, biology, physical oceanography, etc.) collected on the cruise leg.
- 6. Microfilm or Xerox copies of:
 - a. Echosounder records 12 and 3.5 kHz frequency
 - b. Subbottom profiler records (airgun)
 - Magnetometer records
 - d. Underway Data Log

^{*} no subbottom profiler data for this leg

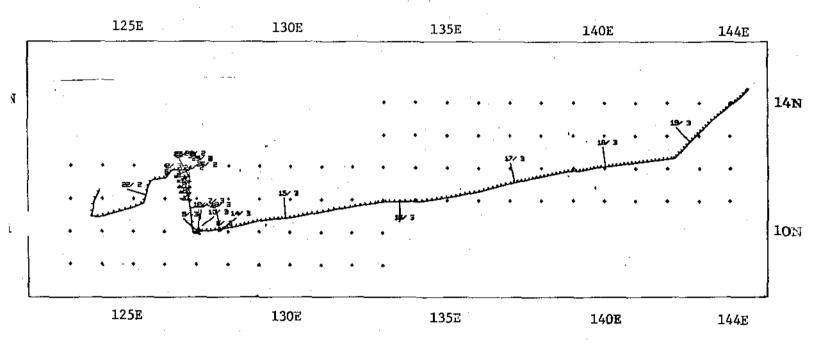


EURYDICE EXPEDITION LEG 7

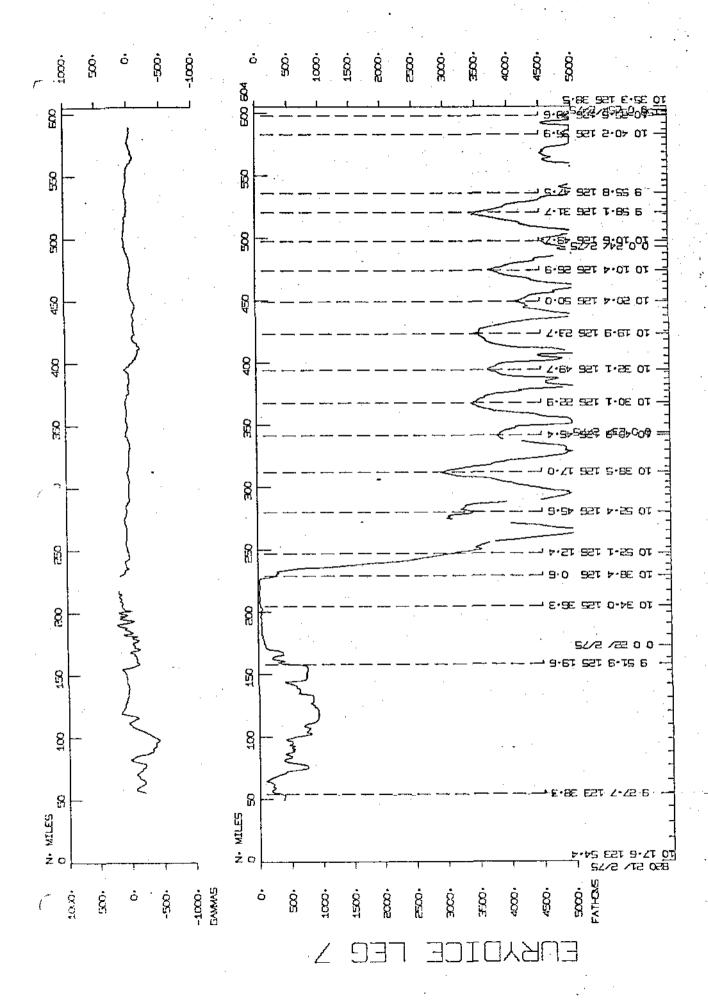
Chief Scientist - W. Hessler Cebu, Philippines - Guam (21 February - 19 March 1975)

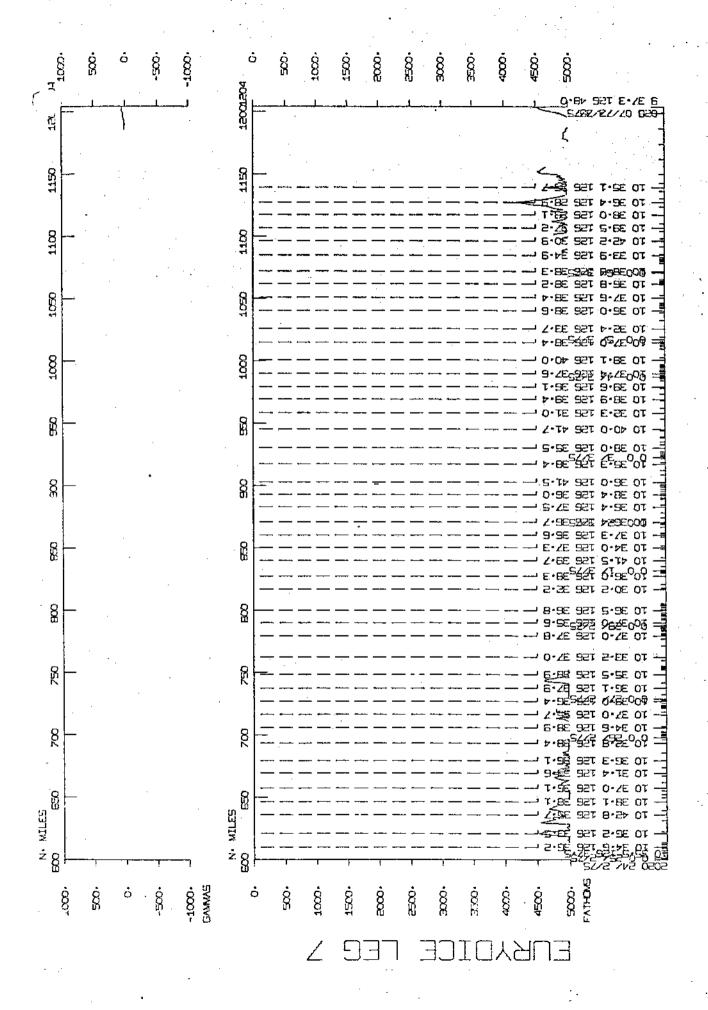
- 1) Cruise 2684 miles

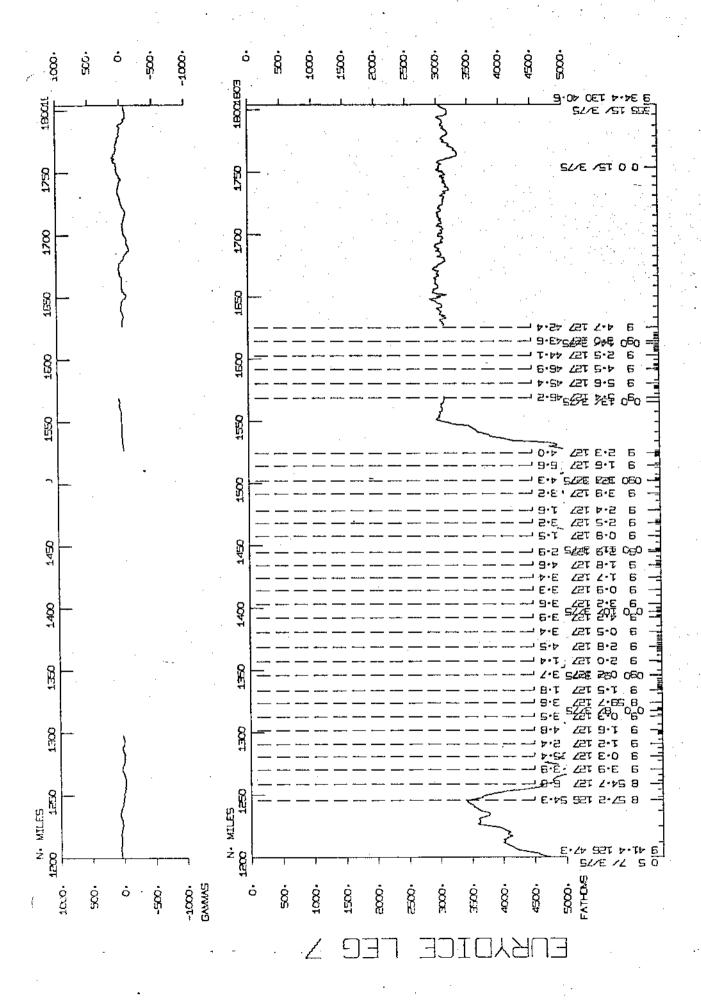
- 2) Bathymetry 1554 miles
 3) Magnetics 1539 miles
 4) Seismic Reflection none collected

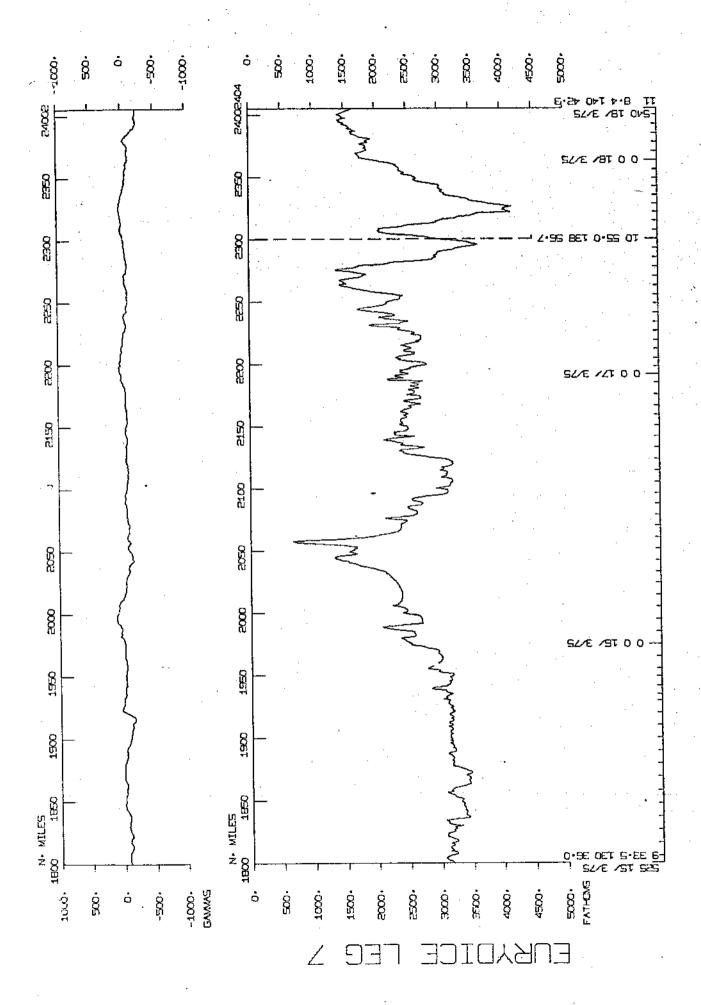


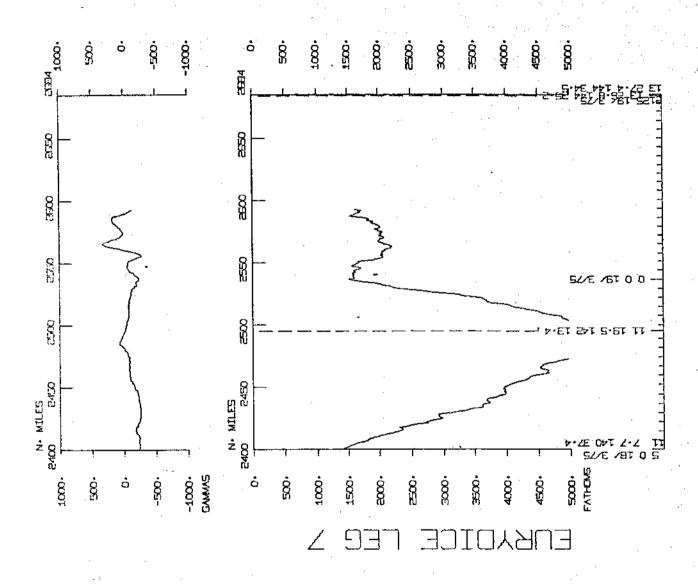
EURYDICE EXPEDITION LEG 7 TRACK PLOT











0800	21 02 75
2213	190375

LGSS B CEBU CITY, PHIL. REP. LGSS E GUAM, M. I., USA ERDCO7WT

PERSONNEL

PECS	HESSLER, R. R.	MBD	ER DC 0.7WT
PERT	WILSON, R. C.	MT G	ERDCO7WT
PECT	ABBOTT, J. L.	SCG	ERDCO7WT.
PEET	GRAHAM, J.	EC P	FRDC07WT
PEXN	ALLEN, J. A.	GBN	ER DC 0 7WT
PE	BERNSTEIN, B. B.	MBO	EROCO7WT
PE	DOUGLAS, E.	- MBD	ER OC 0 7W T
₽Ë	EDGERTON, C. C.	H80	ERDC07WT
PE	GRASSLE, J. F.	WHO	ER DC 0 7W T
₽E	HAMPSON, G. R.	WHO	ERDC07WT
PE	SANDERS, H. L.	WHO	ER DC 0 7WT
PΕ	SHUTTS, R.	NL₩	FROCO7WT
PΕ	SIEBENALLER, J. F.	MBD	ER DC 0 7W T
PEXN	STROMBERG, J. O.	SWD	ERDC 07WT
₽Ę	THISTLE, D.	MBD	.ER DC 0 7MT
PE	WILSON, G. D.	MBD	ERDC07WT
PEXN .	WOLFF, T.	DMK	ERDC07WT
PΕ	YAYANUS, A. A.	MBD	ERDC07WT

DEK=DENMARK WOLFF FROM UNIV OF COPENHAGEN, DENMARK GoN=ALLEN, UNIV. OF NEWCASTLE-UPON-TYPE SWD=SWEDEN STROMBERG FROM UNIV OF LUND, SWEDEN

NOTE TREV FREETRAP 5 IS LISTED IN HESSLER STATION SERIES AS TRAP5H186Y MOTE COLS. 33 TO 37 ARE DR HESSLERS STATION NUMBERS. M= NO RESULTS Y = YES NOTE BRIDGE PLUTS 2 AND 3 HAVE SEVERAL ATTACHEMENTS.

*** NOTE *** TIME ZONES AND MINUTES OF LATITUDE AND LONGITUDE ARE LISTED IN TENTHS (E.G. 10.6 IS LISTED AS 106)

	UNDERWAY	DATA -	CURATOR	T.G.	CHASE	GMS	FLOO	IR A	.QUAR Ι	UM			
845 <i>2</i> 1 300 25	275 275	NVBP NVBP	B BRIDGE E BRIDGE	PLOT PLOT	01 01								ERDCO7WT ERDCO7WT
300 25 1952 7	2.75 3.75	NVBP NVBP	B BRIDGE E BRIDGE	PLOT PLOT	02 02								FRDC 07WT ER DC 07WT
1952 7 300 16	375 375	MAR b	B BRIDGE E BRIDGE	PLOT PLOT	03 03		GDC GDC						ERDCO7WT ERDCO7WT
300 16 2213 19	375 375	NARb NARb	BRIDGE E BRIDGE	PLOT PLOT	04 04		GDC	9 13	577N 275N	134 144	24E 344E	\$ \$	ERDCO7WT ERDCO7WT
1245 21 1120 24	2 75 275	NVC P NVC P	B COMPUT E COMPUT	ER DR ER DR	PLOT PLOT								ERDCO7WT ERDCO7WT
l 125 24 l 000 6			B COMPUT E COMPUT										EROCO7WT EROCO7WT
	375 375	NVC P	B COMPUT	ER DR ER DR	PLOT PLOT	03 03							FRDCO7WI ERDCO7WI
356 7 2105 12	375 375	NVCP NVCP	B COMPUT E COMPUT	ER DR ER DR	PLOT PLOT	04 04	GDC GDC						ERDCO7WT ERDCO7WT
2001 14 600 16	375 375	NVC P NVC P	B COMPUT € COMPUT	ER DR ER DR	PLOT PLOT	05 05							ERDCO7WT ERDCO7WT
***FATH0	IGRAMS ***							· 			 ,-	. . .	
1235 21 245 23	275 275	DPRT DPRT	5.5 B GDR 12 E GDR 12	KHZ	R-0] R-0]	٠	GDC GDC	9 10	29 IN 3 I 9 N	123 126	382E 266E	S	ERDCO7WT ERDCO7WT
249 23 1800 24	2.75 2.75	OPRT DPRT	B GOR 12 E GOR 12	кн <u>г</u> кн г	R-02 R-02		GDC GDC						ERDCO7WT ERDCO7WT
848 25 2006 26		DPRT DPRT	B GDR 12 E GDR 12	KHZ KHZ	R-03 R-03								ERDCO7WT ERDCO7WT
45 27 1400 27			B GDR 12 E GDR 12										ERD C O 7W T ER DC O 7W T
1000 6 945 12			B GOR 12 E GOR 12				enc enc	_	346N 44N				EROCO7WT ERDCO7WT
1859 12 1 13			B GDR 12 E GDR 12				GDC GDC	8 9	600N 49N				ERDC07WT ERDC07WT

TIME DATE TIME TZ GMT D.M.Y. LOC LU	SAMP C CUDE SAM	PLE IDENT.	DISP CODE LAT.	LONG.	CRUISE LEG-SHIP
815 14 375 15 16 375 22 16 375 1735 17 375	DPRT B GDR DPRT E GDR DPRT B GDR DPRT E GDR	12 KHZ R-07 12 KHZ R-07 12 KHZ R-08 12 KHZ R-08	GDC 9 49N GDC 9 576N GDC 9 576N GDC 10 566N	133 345E S 133 357E S	ERDCO7WT ERDCO7WT
1,741 17 375 800 19 375	DPRT & GOR OPRT E GDR	12 KHZ R-09 12 KHZ R-09	GDC 10 567N GDC 12 283N		
*** MAGNETOMETER *	**				
1308 23 275 800 19 375					•
GRAVIMETRIC REC	OROS CURA	ATOR L.M. DORMAN (EXT.2406)		
600 28 275 1730 1 375	GVR & GRAV	VITYMETER ROLL 1 VITYMETER ROLL 1		126 373E S	ER DC 0 7WT
1730 1 375 2150 6 375	GVR B GRAV	VITYMETER ROLL 2 VITYMETER ROLL 2	LMD 10 365N LMD 10 88N		
2203 6 375 730 11 375		VITYMETER ROLL 3 VITYMETER ROLL 3	LMD 10 62N LMD 9 7N		
413 12 375 308 13 375		VITYMETER ROLL 4 VITYMETER ROLL 4	LMD 9 32N LMD 9 59N		
MARINE	VERTEBRATE CI	URATOR - R.H.ROSEA			
2200 9 375 454 1 0 375	DNIV DIP	NET SAMPLE 1 NET SAMPLE 2	9 23N 9 23N	127 42E S 127 30E S	ERDCO7WT ERDCO7WT
1627 25 275 1309 27 275	TRVE 8 FRE		PRL 10 368N PRL 10 329N		
1544 27 275 1640 28 275	TRVE B FRE		PRL 10 371N PRL 10 306N		
430 1 375 132 2 375	TRVF & FRE TRVF E FRE		PRL 10 408N PRL 10 403N		
205 2 375 1930 2 375	TRVF & FRE TRVF E FRE		PRL 10 404N PRL 10 389N		

TIME DATE TIME TZ GMT D.M.Y. LOG LOC	SAMP CUDE SAMPLE IDE	ONT. C	DISP DDE LAT:	LONG.	CRUISE LEG-SHIP
845 3 375 312 4 375	TRVE B FREETRAP 6 TRVE E FREETRAP 6		PŘL 10 377N PRL 10 376N		
324 4 375 245 5 375	TRVF B FREETRAP 7 TRVF E FREETRAP 7		PRL 10 375N PRL 10 341N		
450 5 375 100 6 375	TRVF 8 FREETRAP 8 TRVF E FREETRAP 8		PRL 10 363N PRL 10 360N		
2321 7 3 7 5 53 9 375	TRVF & FREETRAP 9 TRVF E FREETRAP 9		PRL 9 37N PRL 9 15N	127 31E S 127 17E S	ERDCO7WT ERDCO7WT
244 9 375 645 10 375	TRVF B FREETRAP 10 TRVF E FREETRAP 10	9806 P	PRL 9 18N	127 29E S 127 35E S	
1056 10 375 645 11 375	TRVF & FREETRAP 11 TRVF & FREETRAP 11			127 326 S 127 106 S	
901 11 375 845 12 375	TRVF B FREETRAP 12 TRVF E FREETRAP 12	9806 F	PRL 9 27N PRL 9 12N	127 27E S 127 62E S	ERDCO7WT : ERDCO7WT
1614 27 275 2100 28 275	SLVF B FREEHOOK 1 SLVF E LOST	9604 F	PRL 10 371N PRL 10 352N	126 374E S 126 371E S	ERD C O 7 W T ER DC O 7 W T
307 9 375 800 10 375	SEVE B FREEHOOK 2 SEVE E FREEHOOK 2			127 29E S 127 30E S	
714 11 375	SLVF B FREEHOOK 3 SLVF E FREEHOOK 3	9806 P		127 34E S 127 14E S	
850 11 375 821 12 375	SLVF & FREEHOOK 4 SLVF & FREEHOOK 4	9806 P 9806 P	PRL 9 28M P PRL 9 16M	127 26E S 127 65E S	
FOLLOWING STATION D	DATA LISTED IN CHRON	OLOGICAL DRO	DER	. 1	
1623 24 275 1317 25 275	CAFS B CAOL HI71N CAFS E CAOL HI71N		RRH 10 366N : RRH 10 355N		
1840 24 275 114 25 275	C BC B 41 BC H1 72N C BC E 41 BC H1 72N		RRH 10 358N RRH 10 352N		
244 25 275 842 25 275	C BC B 428C H1 73N C BC E 428C H1 73N		RRH 1 0 352N RRH 1 0 353N		
2306 25 275 915 26 275	TBES 8 SLEDI HI 74N TBES E SLEDI HI 74N		RRH 10 341N RRH 10 368N		

TIME DA	ATE TIME TZ M.Y. LOC LOC	SAMP CODE	SAMPLE IDENT	•	DISP CODE LAT.	LONG.	CRUISE LEG-SHIP
1254 26 35 27	275 275	TBES B	SLED2H1 75Y 9 SLED2H1 75Y 9	600 600	RRH 10 347N RRH 10 383N	126 374E S 126 389E S	EROCO7WT ERDCO7WT
155 27 132 28	275 275	CAES B			RRH 10 363N RRH 10 367N		
438 27 1129 27	275 275	C BC B			RRH 10 375N RRH 10 372N		
1742 27 30 28	275 275	C 8C B C 8C E			RRH 10 374N RRH 10 388N		
152 28 40 2					RRH 10 368N RRH 10 367N		
346 28 104 2					RRH 10 377N RRH 10 379N		
454 28 1454 28					RRH 10 376N RRH 10 364N		
1939 28 202 1			458C H182Y 9		RRH 10 354N RRH 10 357N		
	375 375		468C H183N 9		RRH 10 349N RRH 10 344N		
	375 375		47BC H184N 9	604	RRH 10 375N RRH 10 369N		
1725 1	375 375	с вс в	488C H185N 9	604	RRH 10 365N RRH 10 364N	126 380E S	ER DC O 7WT
255 2		TRVF B	TRAP5H186Y 9	604	RRH 10 365N RRH 10 370N	126 366E S	ERDC07WT
326 2	276	<u>የ</u> አርር ሀ	CA04 H187Y 9	1609	RRH 10 368N RRH 10 370N	126 366E S	FR DC 0 7WT
508 2	375 375	TBES B	SLED4F1 88Y 9	9607 9609	RRH 10 397N RRH 10 360N	126 370E S	ERDC07WT
2145 2	375 375	С вс в	49BC H189Y 9	600 600	RRH 10 358N RRH 10 371N	126 386E S	ER DC 07WT
1100 3	375 375	СМАВ В	CMD2 H1 90Y 9	7605 7605	RRH 10 371N RRH 10 364N	126 363E S	ERDCO7WT
1726 3	375 375	CAFS B	CA05 H191Y 9)605)605	KRH 10 372N RRH 10 325N	126 373E S	ERDC07WT

TIME GMT	DATE D.M.Y					SAMPLE	108	NT.		CODE	L	. T .	LO	NG.		CRUISE LEG-SHIP
1921 252	3 37 4 37					50BC H1		9600 9600		RRH RRH	1 0 1 0	3 75 N 3 74 N	126 126	381E 370E	S S	EROCO7WT FRDCO7WT
430 1456	4 37 4 37					SLED5HI SLED5HI		9600 9605		RRH RRH	1 0 1 0	38 ON 364 N	126 126	384E 367E	S S	EROCO7WT ERDCO7WT
1717 100	5 37	5		C AW S C A WS	ß E	CA04 H1 CA04 H1	94Y 94Y	9588 9600		RRH RRH	1 0 1 0	402N 363N	126 126	357E 338E	S	ERDCO7WT ERDCO7WT
430 953	5 37	5 15				CA06 HI		96 04 9604		RRH RRH	1 0 1 0	36 2N 3 46N	126 126	379E 345E	\$ \$.	ERDCO7WT ERDCO7WT
510 1242						51 BC HI 51 BC HI		9605 9605		RRH RRH	1 0 1 0	364N 350N	126 126	379E 354E	\$ \$	ERDCO7WT ERDCO7WT
1514 2242						528C H		9605 9605	٠	RRH RRH	1 0 1 0	367N 340N	126 126	382E 3 72 E	\$ \$	FR DC O 7WT ERD C O 7WT
135 905			٠.			53BC H:		9600 9600		RRH RRH	1 0 1 0	361N 345N	126 126	390Ë 359Ë	\$ \$	FRDCO7WT FRDCO7WT
1303 2035						548C H		9809 9809		RRH RRH	9	_	127 127			ERDCO7WT ERDCO7WT
2348 723						558C H 558C H		9807 980 7		RRH RRH	9		127 127			ERDCO7WT ERDCO7WT
902 1130						SLED6H SLED6H		9806 9806		KRH KRH	9 8	4N 598N	127 127			ERDCO7WT ERDCO7WT
1202 2320						SUED 7H SUED 7H		9807 9807		RRH RRH	9 8	15N 579N				ERDCO7WT ERDCO7WT
254 1015	9 3					CA07 H CA07 H		98,06 98.06		RRH RRH	9 9	35N 23N	127 127			ERDCO7WT ERDCO7WT
258 1033	9 3			-		CM03 H CM03 H		9806 9806		RRH RRH		_	127 127			ERDCO7WT ERDCO7WT
352 1529						SLED8H SLED8H		9807 9807		RRH - RRH		9N 23N	127 127	34E 39E	S S	EROCO7WT ERDCO7WT
1801 2215	93					.56BC F		9807 9807		KRH RRH			127 127			ERDCO7WT ERDCO7WT
2255 600	5 9 3°					57BC F		9807 9807		RRH RKH			127 127			ERDCO7WT ERDCO7WT
	2 1 0 3					3 CM04 H		9806 9806		RRH RRH			127 127			ERDCO7WT ERDCO7WT

TIME DATE TIME TZ	CODE SAMPLE IDENT.	DISP	CRUISE
GMT D.M.Y. LOC LOC		CODE LAT. LONG.	LEG-SHIP
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2143 1 0 375	C BC B 59BC H210Y 9807	RRH 9 28N 127 29E	
500 11 375	C BC E 59BC H210Y 9807	RRH 9 16N 127 30E	
927 11 375 1709 11 375	C BC B 60BC H211Y 9807 C BC E 60BC H211Y 9807	RRH 9 25N 127 34E	
2307 11 375	C BC B 61 BC H21 2Y 9807	RRH 9 32N 127 39E	
614 12 375	C BC E 61 BC H21 2Y 9807	RRH 9 34N 127 31E	
	CAWS B CA05 H213Y 9809 CAWS E CA05 H213Y 9809		
154 1 3 375	TRVF B TR13 H214Y 5861	RRH 9 53N 127 438E	
745 14 375	TRVF E TR13 H214Y 5861	RRH 9 47N 127 424E	
159 13 375	CAFS B CAOB H215Y 5861	RRH 9 53N 127 438E	
815 14 375	CAFS E CAOB H215Y 5861	RRH 9 49N 127 440E	
	C BC B 62BC H216Y 5916 C bC E 62BC H216Y 5916	RRH 9 54N 127 438E RRH 9 69N 127 453E	
	C BC B 63BC H21 7Y 5855	RRH 9 47N 127 467E	S ERUCOTWT
	C BC E 63BC H21 7Y 5855	RRH 9 59N 127 444E	S ERUCOTWT
1608 13 375	TBES B SLED9H218Y 5855	RRH 9 · 33N 127 442E	
2343 13 375	TBES E SLED9H218Y 5881	RRH 9 14N 127 456E	
23 14 375	TBES B SLE1 0H21 9Y 5879 TBES E SLE1 0H21 9Y 5945	RRH 9 22N 127 440E	S ERDCO7WT
703 14 375		RRH 9 4N 127 406E	S ERDCO7WT
*** BATHYTHERMOGRAF	'H *** 		
0 23 275 0 24 275 0 25 275 0 26 275 0 27 275 0 28 275 0 1 375 0 2 375 0 3 375 0 4 375 0 5 375 0 6 375 0 7 375 0 8 375 0 9 375	BTX NO. SAMPLES = 1 BTX NO. SAMPLES = 2 BTX NO. SAMPLES = 2 BTX NO. SAMPLES = 2 BTX NO. SAMPLES = 1 BTX NO. SAMPLES = 1 BTX NO. SAMPLES = 1 BTX NO. SAMPLES = 2 BTX NO. SAMPLES = 3	GTG 10 398N 126 445E GTG 10 108N 126 457E GTG 10 352N 126 373E GTG 10 348N 126 378E GTG 10 381N 126 383E GTG 10 384N 126 364E GTG 10 351N 126 366E GTG 10 364N 126 369E GTG 10 367N 126 387E GTG 10 365N 126 377E GTG 10 382N 126 389E GTG 10 382N 126 380E GTG 9 424N 126 472E GTG 9 31N 127 30E	S ERDCO7WT S ERDCO7WT S FRDCO7WT S FRDCO7WT S FRDCO7WT S ERDCO7WT

TIME DATE TIME GMT D.M.Y. LOC	-	SAMPLE IDENT.	DISP CODE LAT.	LDNG.	CRUISE LEG~SHIP
0 1 0 375 0 11 375 0 12 375 0 13 375 0 14 375 0 15 375 0 16 375 0 17 375 0 18 375 0 19 375	BTX BTX BTX BTX BTX BTX BTX BTX BTX	NO. SAMPLES = 2 NO. SAMPLES = 2 NO. SAMPLES = 2 NO. SAMPLES = 3 NO. SAMPLES = 3 NO. SAMPLES = 4 NO. SAMPLES = 4 NO. SAMPLES = 3 NO. SAMPLES = 3 NO. SAMPLES = 3 NO. SAMPLES = 3	GTG 9 33N GTG 9 49N GTG 9 16N GTG 9 257N GTG 9 576N GTG 10 336N	127 38E S 127 42E S 127 431E S 127 450E S 129 502E S 133 320E S 137 80E S 140 6E S	ERDCO7WT ERDCO7WT ERDCO7WT ERDCO7WT ERDCO7WT ERDCO7WT ERDCO7WT

END SAMPLE INDEX

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