

PRELIMINARY REPORT AND INDEX
OF
NAVIGATION, DEPTH AND MAGNETIC DATA
SOUTHTOW EXPEDITION
LEG 13

R/V T. WASHINGTON
Honolulu, Hawaii (27 Jan. 1973)
To
San Diego, Calif. (21 Feb. 1973)

Chief Scientist, Leg 13 - M. Mullin
Cruise Coordinator - J. Mudie
Computer Tech. - D. V. Stuber
Resident Marine Tech. - R. C. Wilson
Data Processed by - U. Albright, J. Moore, S. Witherow, O. McConnell

Geological Data Center

T. E. Chase - Curator
S. M. Smith - Data Processing Coordinator
Scripps Institution of Oceanography
La Jolla, California

March 28, 1973

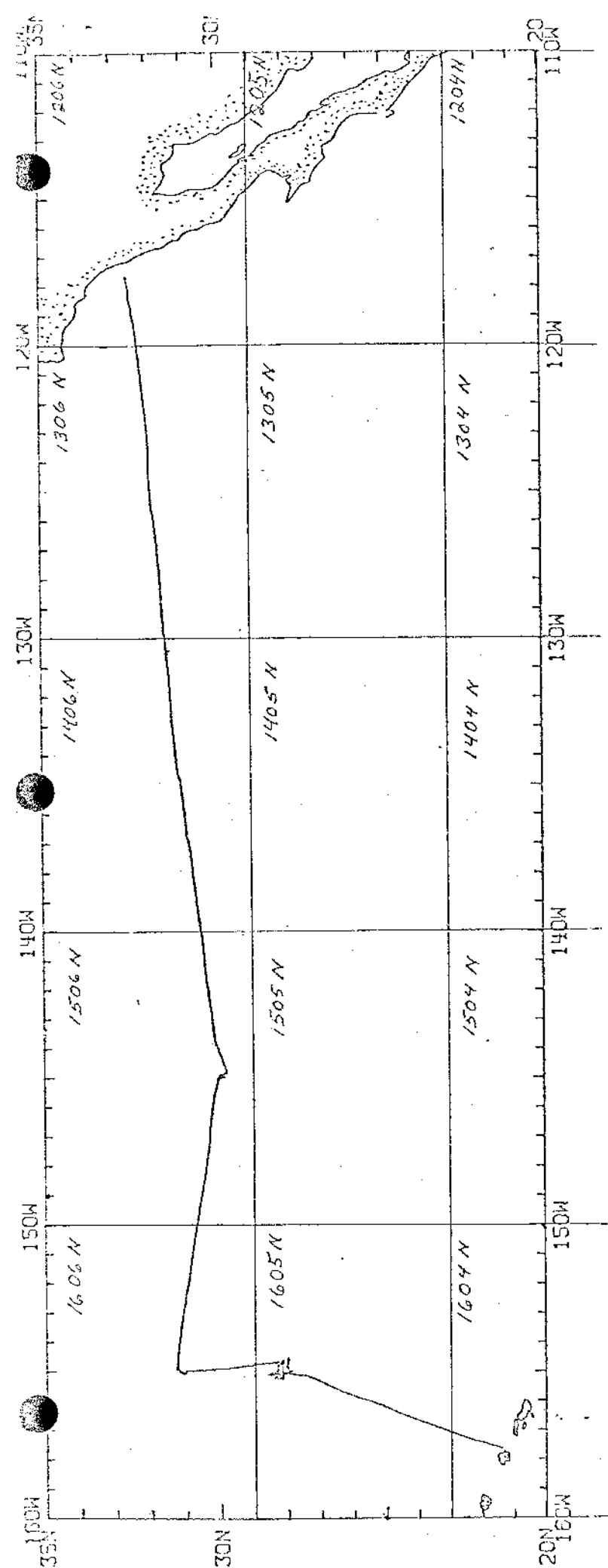
Preliminary Report and Index of Navigation, Depth, Magnetic and Subbottom Profiler Data

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 (714-453-2000, Ext. 1534):

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)
 - c. Magnetometer records
 - d. Underway Data Log
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SOUTHTOW EXPEDITION

LEG 13

R/V T. WASHINGTON

Chief Scientist - M. Mullin

Honolulu - San Diego

27 Jan. 1973 - 21 Feb. 1973

TOTAL MILEAGE

- 1) Cruise - 3377 miles
- 2) Bathymetry - 2410 miles
- 3) Magnetics - 2416 miles
- 4) Seismic Reflection - 0.0 miles

155W

150W

145W

140W

30N

30N

25N

25N

BIOLOGICAL
SURVEY

155W

150W

145W

140W

135W

130W

125W

120W

30N

30N

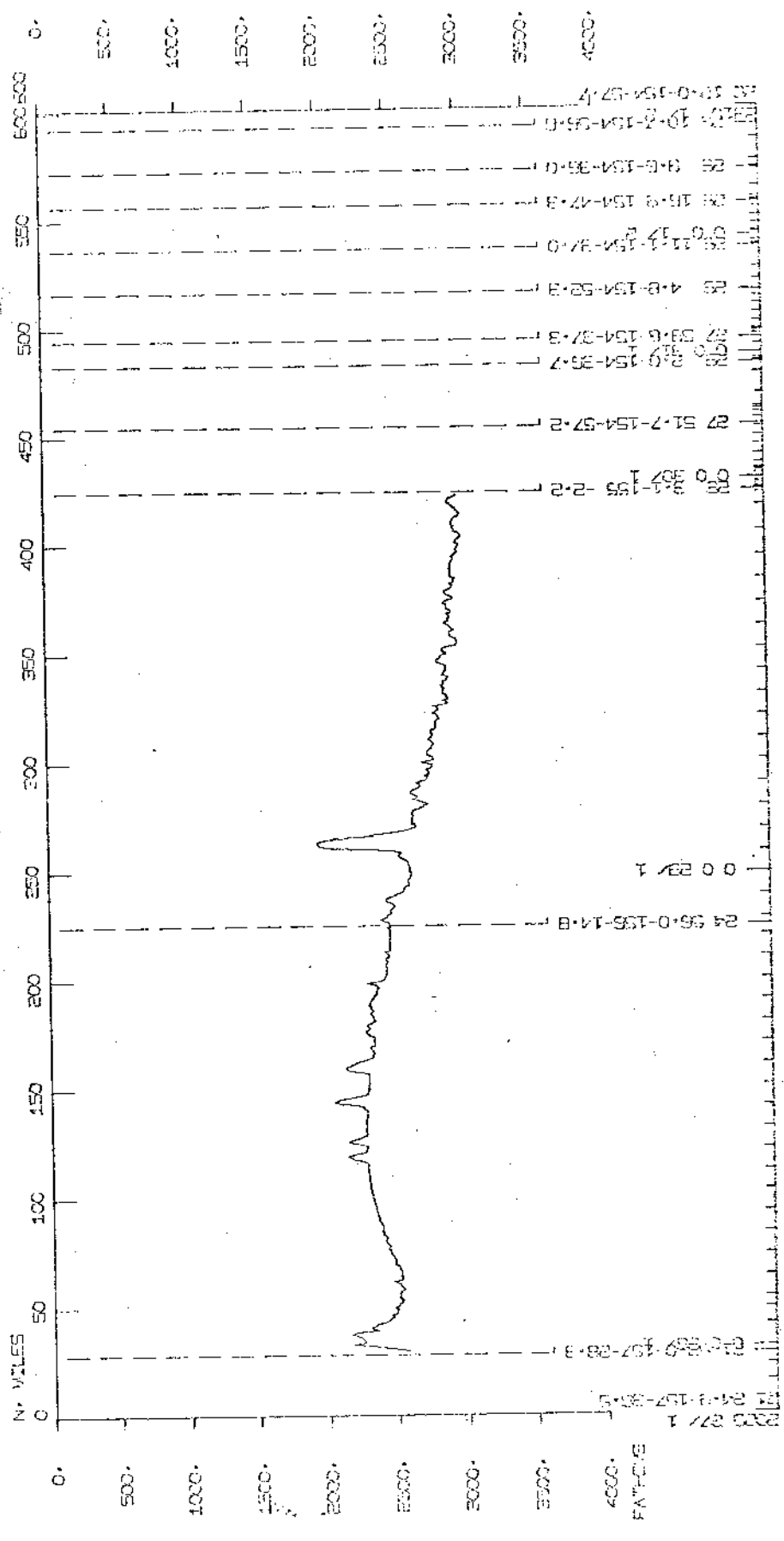
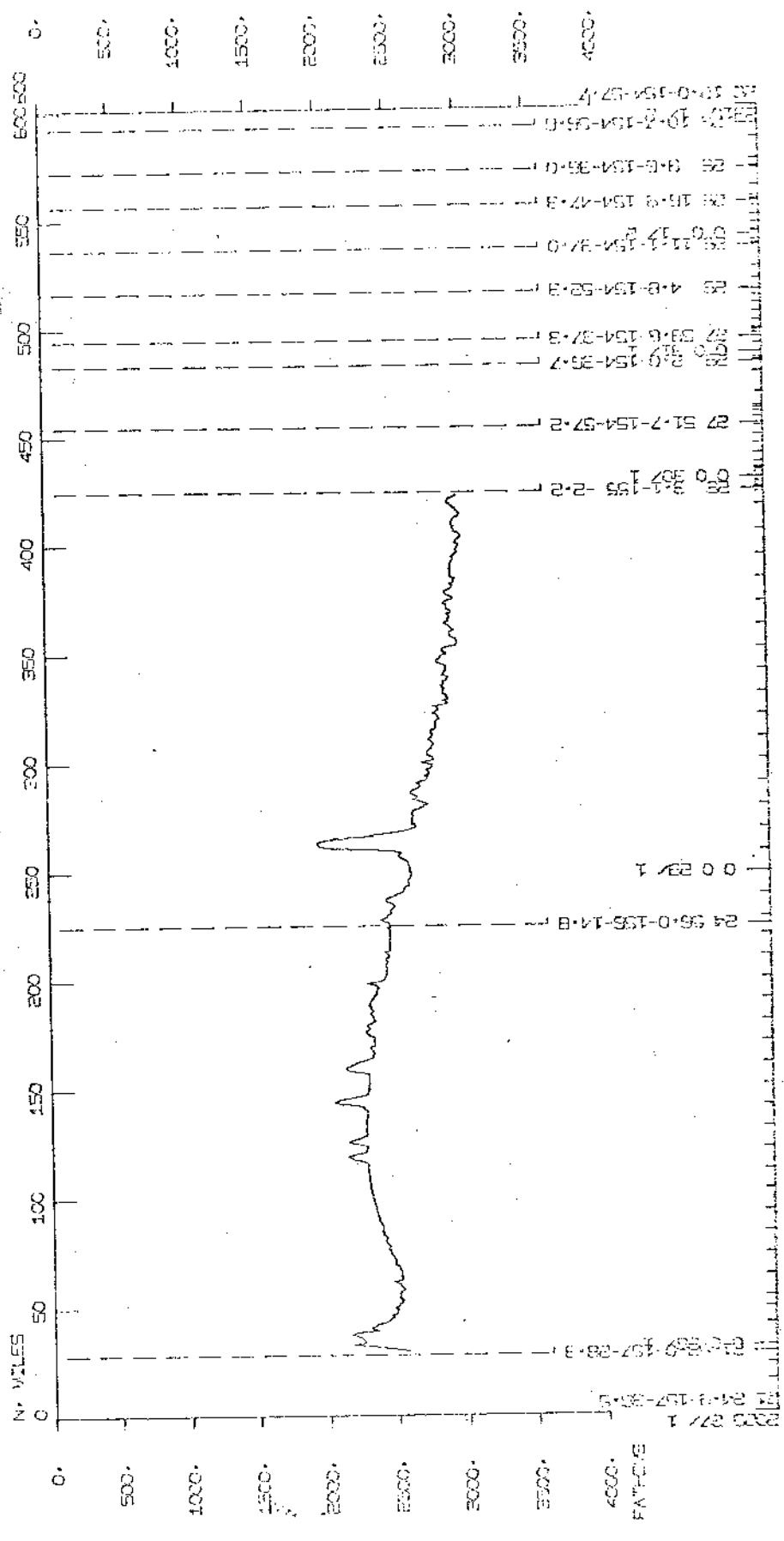
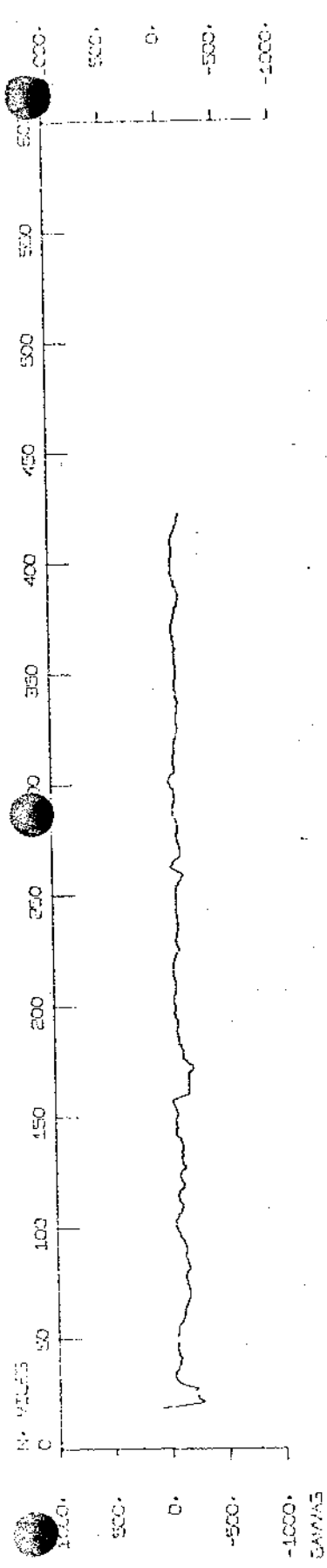
135W

130W

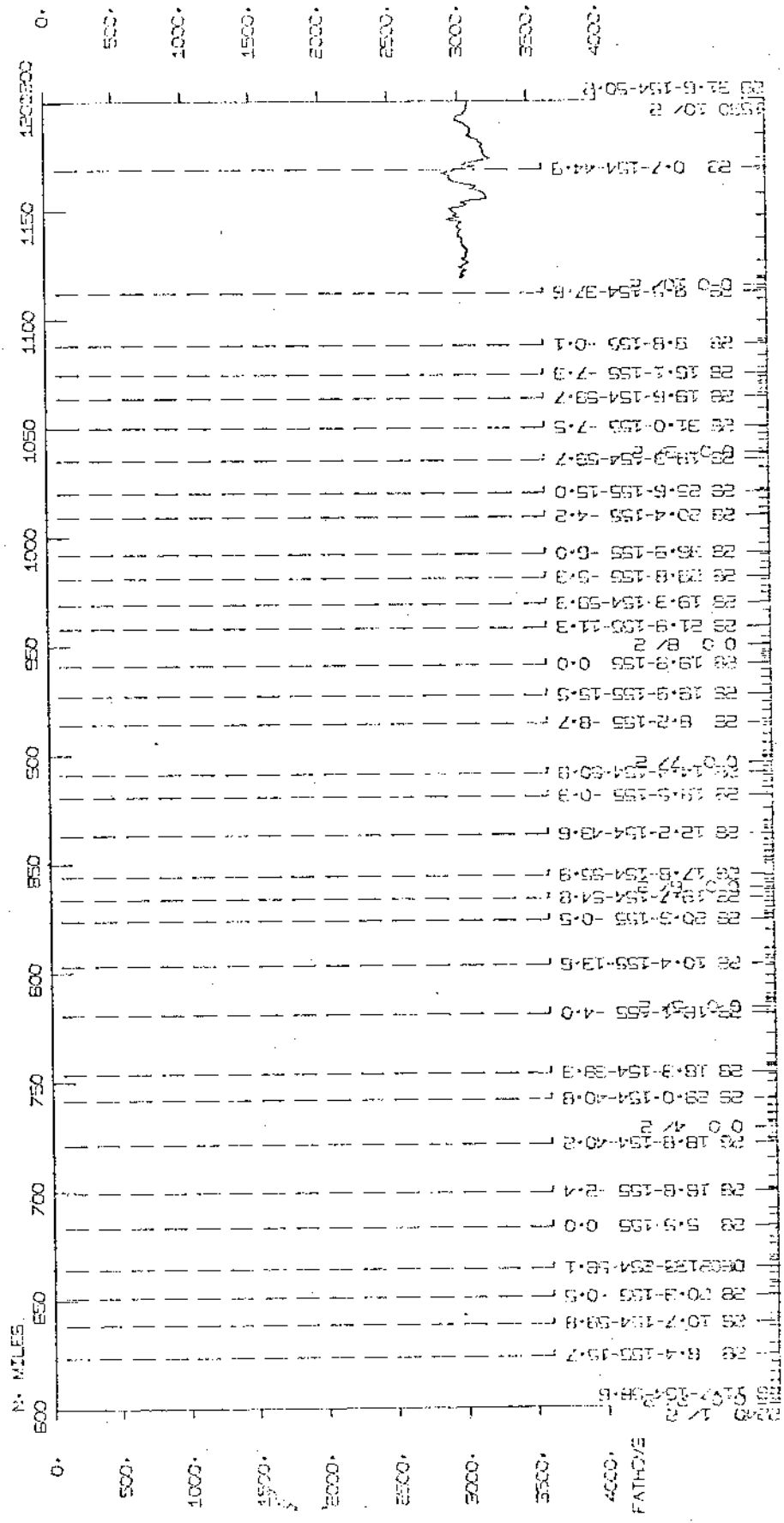
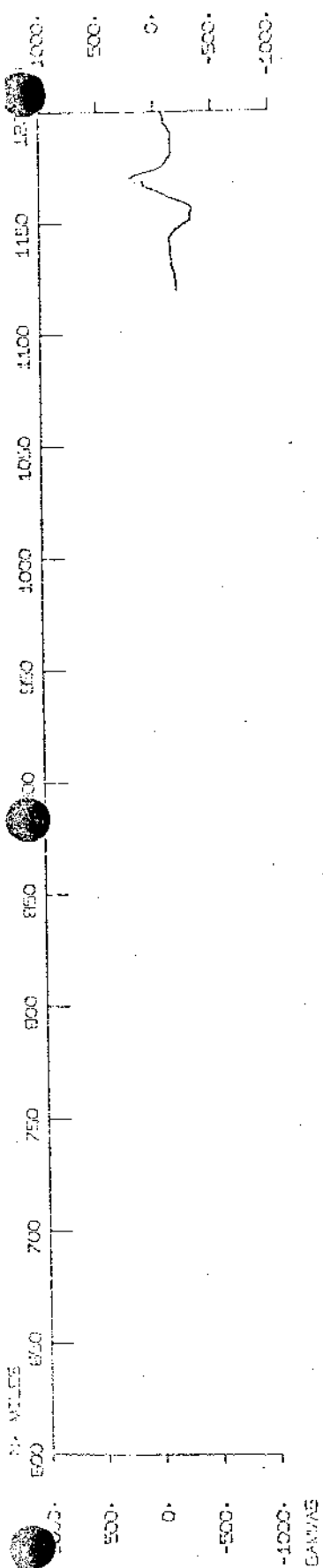
125W

120W

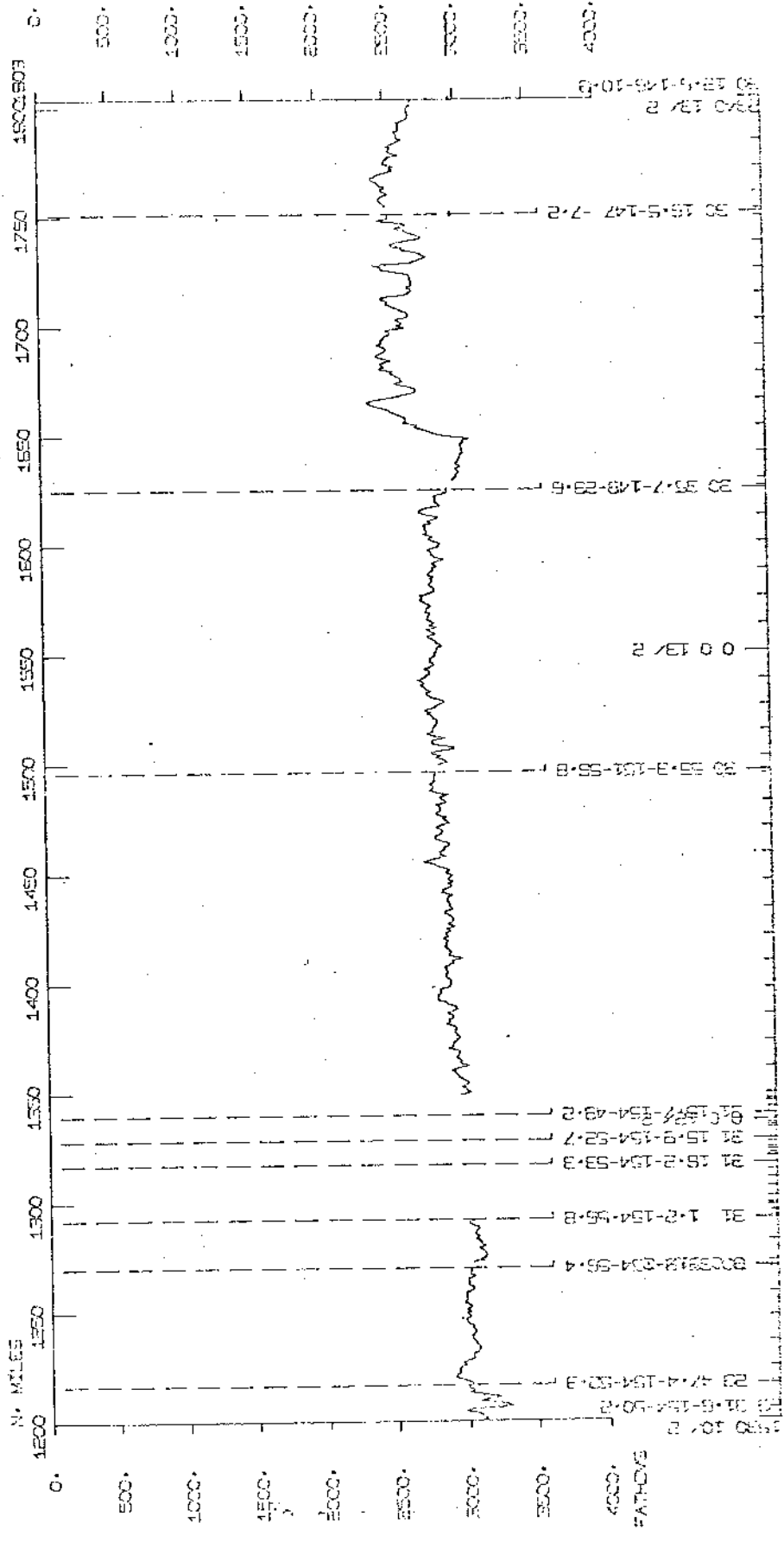
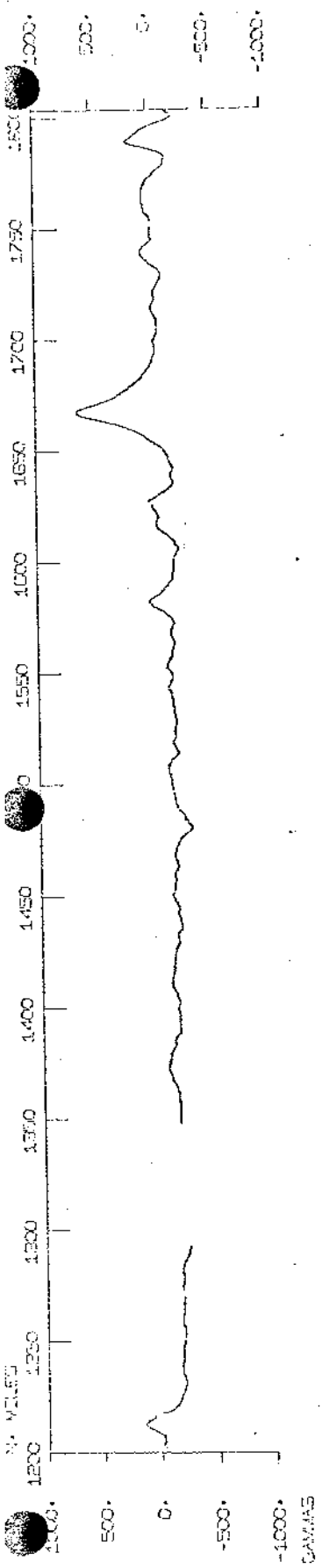
SOUTH TOW EXPEDITION
LEG 13



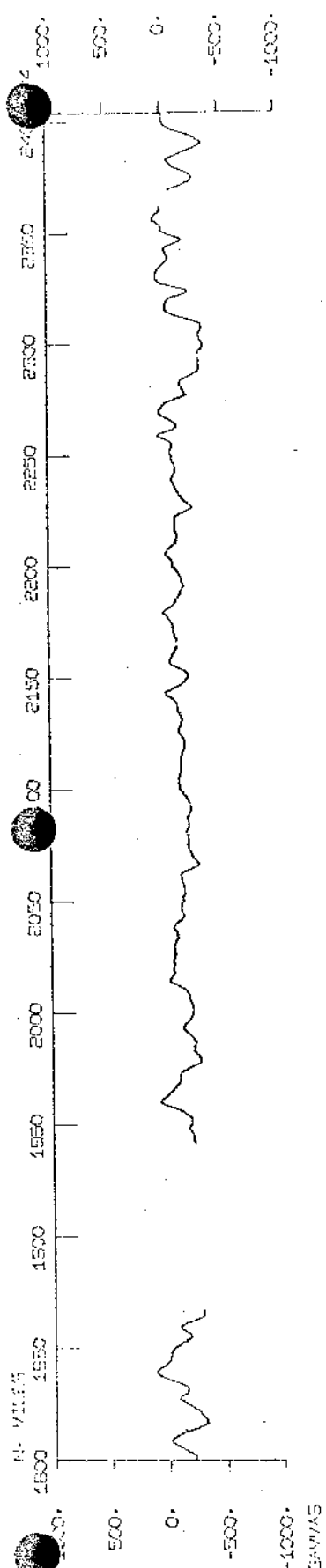
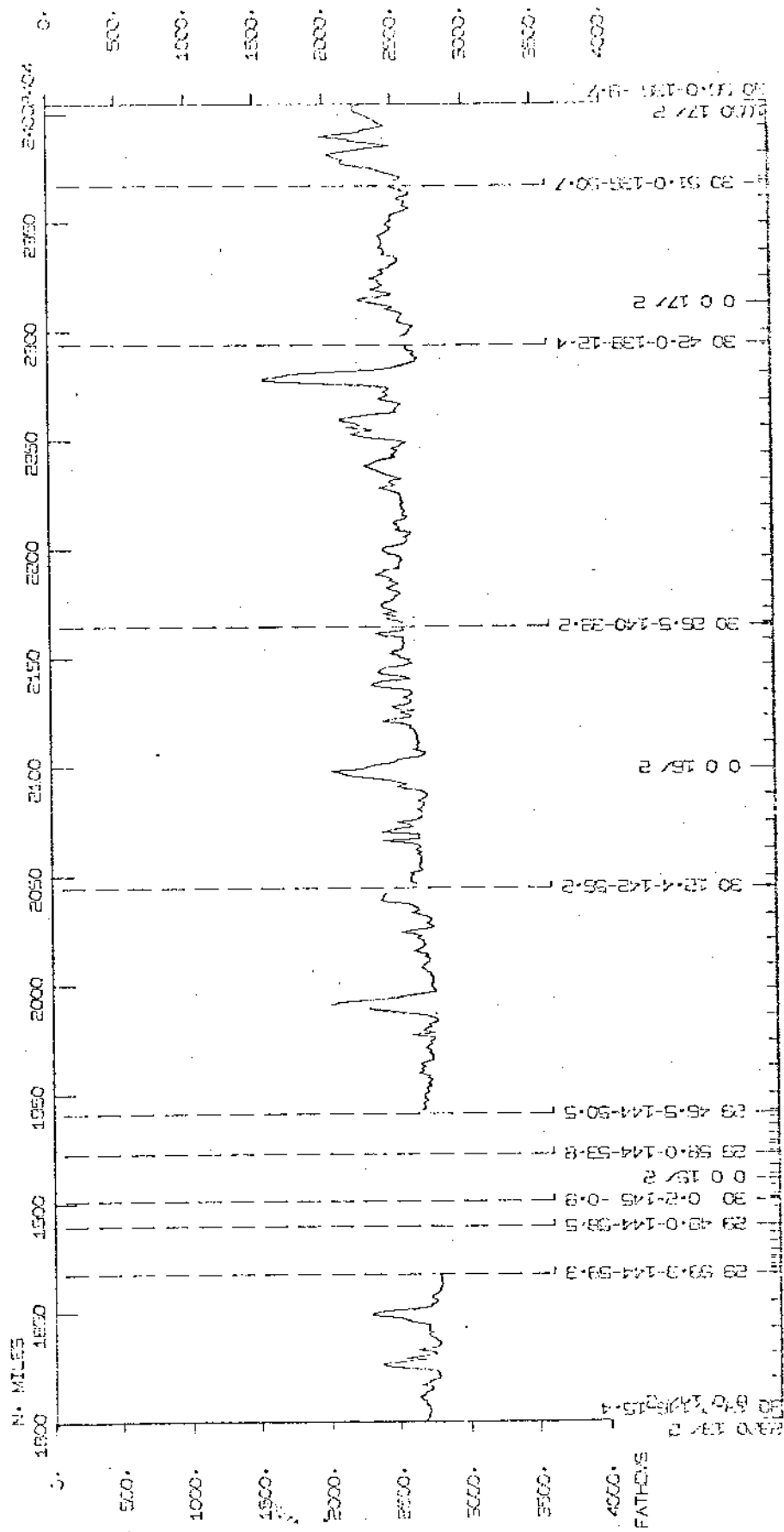
SOUTH-13



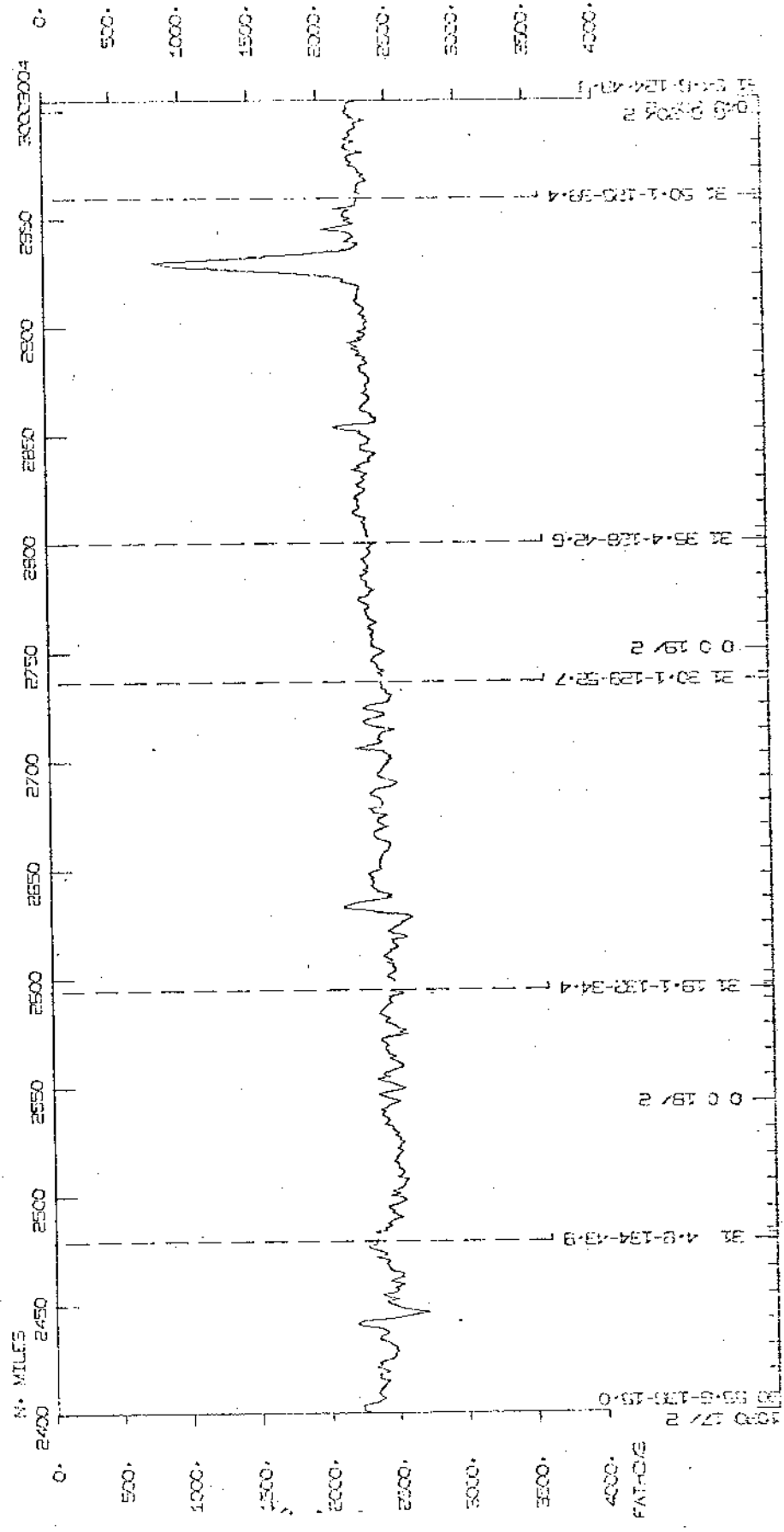
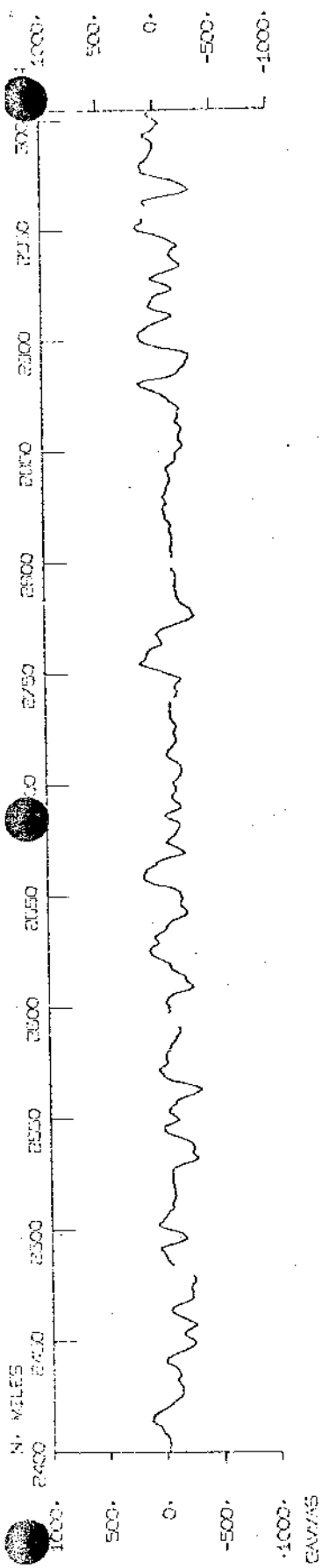
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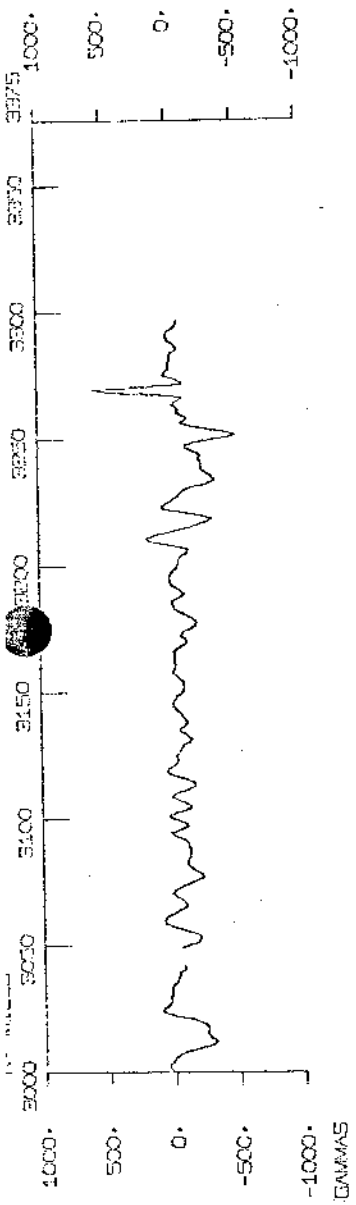
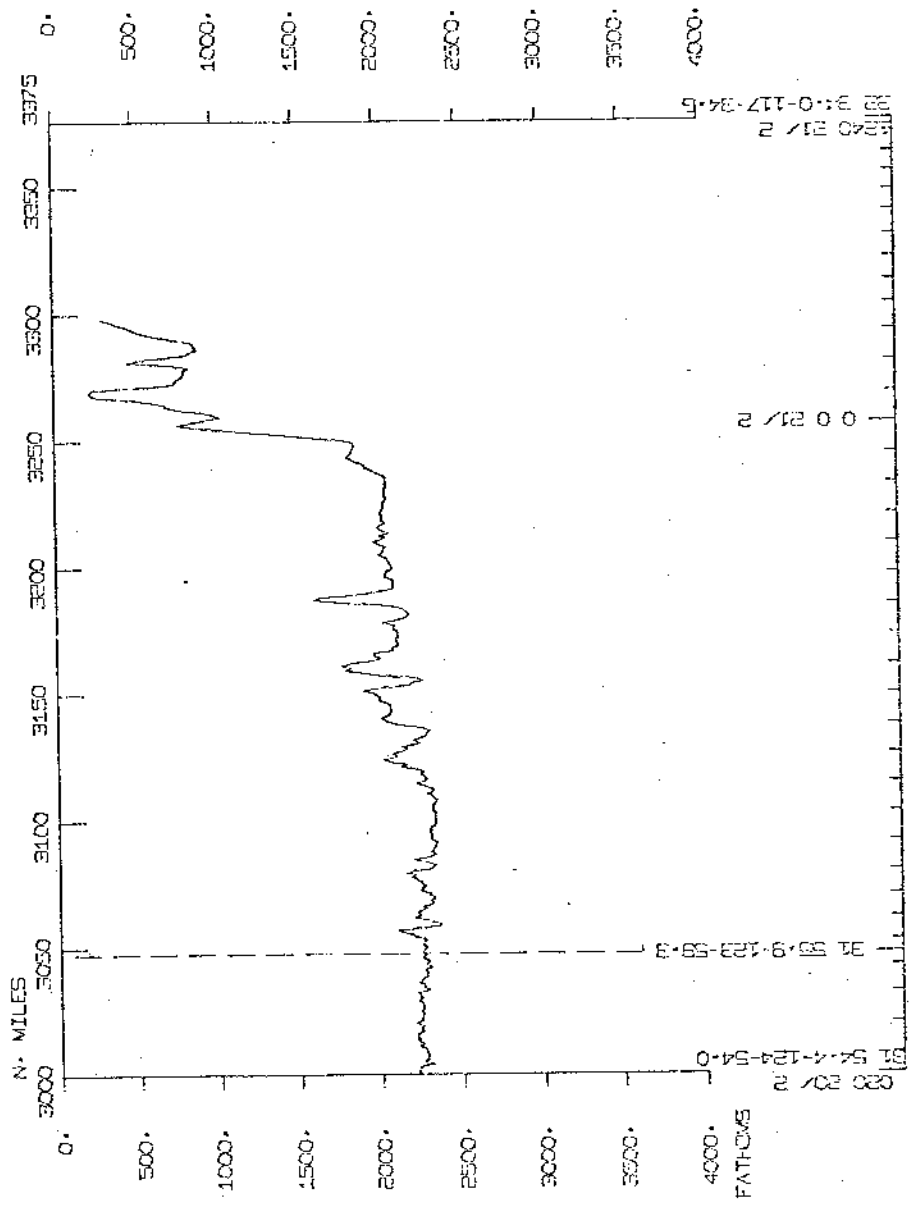
SOUTH-TOW-13



SOUTH-TOW-13



SOUTH TOW-13



South Island Expedition

GDC 21	450N	157 308W	S	SOTW13WT
GDC 32	341N	117 344W	S	SOTW13WT

[illegible]

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

TIME	DATE	TIME	TZ	SAMP	SURF. DISP	CRUISE
GMT	D.M.Y.	LOC	LOC	CODE	TEMP. CODE	LEG-SHIP
				SAMPLE IDENT.	LAT.	LONG.

UNDERWAY DATA - CURATOR T.E. CHASE 2ND FLOOR AQUARIUM (EXT.1534)

415	20	273		LEUW E UNDERWAY LOG	GDC 31	561N 124 26W S SOTW13WT
2245	27	173		LEUW B UNDERWAY LOG	GDC 21	450N 157 308W S SOTW13WT

*** NAVIGATION PLOTS ***

TIME	DATE	TIME	TZ	SAMP	SURF. DISP	CRUISE
GMT	D.M.Y.	LOC	LOC	CODE	TEMP. CODE	LEG-SHIP
				SAMPLE IDENT.	LAT.	LONG.
27	1731024	100	NVBP	B BRIDGE PLOT 13-1	GDC 21	247N 157 366W S SOTW13WT
28	1732334	100	NVBP	E BRIDGE PLOT 13-1	GDC 26	502N 155 257W S SOTW13WT
28	1732334	100	NVBP	B BRIDGE PLOT 13-2	GDC 26	502N 155 257W S SOTW13WT
10	273 220	100	NVBP	E BRIDGE PLOT 13-2	GDC 29	10N 154 458W S SOTW13WT
10	273 220	100	NVBP	B BRIDGE PLOT 13-3	GDC 29	10N 154 458W S SOTW13WT
13	273 516	100	NVBP	E BRIDGE PLOT 13-3	GDC 30	209N 147 460W S SOTW13WT
13	273 516	100	NVBP	B BRIDGE PLOT 13-4	GDC 30	209N 147 460W S SOTW13WT
16	2731210	900	NVBP	E BRIDGE PLOT 13-4	GDC 32	101N 120 580W S SOTW13WT
16	2731354	900	NVBP	B BRIDGE PLOT 13-5	GDC 32	119N 120 338W S SOTW13WT
18	2731404	900	NVBP	E BRIDGE PLOT 13-5	GDC 32	441N 111 537W S SOTW13WT
18	2731310	90	NVBP	B BRIDGE PLOT 13-6	GDC 31	312N 129 548W S SOTW13WT
20	2731326	80	NVBP	E BRIDGE PLOT 13-6	GDC 32	120N 120 306W S SOTW13WT
20	2731326	80	NVBP	B BRIDGE PLOT 13-7	GDC 32	120N 120 306W S SOTW13WT
21	273 254	80	NVBP	E BRIDGE PLOT 13-7	GDC 32	314N 117 503W S SOTW13WT
1815	27 173		NVCP	B ON LINE PLOT 01	GDC 21	247N 157 366W S SOTW13WT
1600	29 173		NVCP	E ON LINE PLOT 01	GDC 27	565N 155 29W S SOTW13WT
1600	29 173		NVCP	B ON LINE PLOT 02	GDC 27	565N 155 29W S SOTW13WT
1630	30 173		NVCP	E ON LINE PLOT 02	GDC 27	582N 154 590W S SOTW13WT
1630	30 173		NVCP	B ON LINE PLOT 03	GDC 27	582N 154 590W S SOTW13WT
1745	31 173		NVCP	E ON LINE PLOT 03	GDC 28	49N 154 478W S SOTW13WT
1752	31 173		NVCP	B ON LINE PLOT 04	GDC 28	55N 154 467W S SOTW13WT
1824	1 273		NVCP	E ON LINE PLOT 04	GDC 28	102N 154 439W S SOTW13WT
1830	1 273		NVCP	B ON LINE PLOT 05	GDC 28	103N 154 451W S SOTW13WT
1928	2 273		NVCP	E ON LINE PLOT 05	GDC 28	180N 155 31W S SOTW13WT
1930	2 273		NVCP	B ON LINE PLOT 06	GDC 28	180N 155 32W S SOTW13WT
1900	3 273		NVCP	E ON LINE PLOT 06	GDC 28	191N 154 402W S SOTW13WT

TIME	DATE	TIME	IZ	SAMP	SAMPLE	IDENT.	SURF.	DISP	LAT.	LONG.	CRUISE	LEG-SHIP			
GMT	D.	M.	Y.	LOC	LOC	CODE	TEMP.	CODE							
2245	27	173		OPR3	B	GDR3.5KHZ	R13-01	GDC	21	450N	157	308W	S	SOTW13WT	
950	29	173		OPR3	E	GDR3.5KHZ	R13-01	GDC	26	526N	155	244W	S	SOTW13WT	
1020	29	173		DPR3	B	GDR3.5KHZ	R13-02	GDC	26	572N	155	220W	S	SOTW13WT	
1650	29	173		OPR3	E	GDR3.5KHZ	R13-02	GDC	28	12N	155	20W	S	SOTW13WT	
600	10	273		DPR3	B	GDR3.5KHZ	R13-03	GDC	28	113N	154	407W	S	SOTW13WT	
455	14	273		DPR3	E	GDR3.5KHZ	R13-03	GDC	29	597N	145	5W	S	SOTW13WT	
858	15	273		OPR3	B	GDR3.5KHZ	R13-04	GDC	29	465N	144	497W	S	SOTW13WT	
2000	18	273		OPR3	E	GDR3.5KHZ	R13-04	GDC	31	299N	129	529W	S	SOTW13WT	
415	20	273		DPRT	B	GDR	12KHZ	R13-05	GDC	31	561N	124	26W	S	SOTW13WT
330	21	273		DPRT	E	GDR	12KHZ	R13-05	GDC	32	213N	119	49W	S	SOTW13WT
2245	27	173		OPRT	B	GDR	12KHZ	R13-01	GDC	21	450N	157	308W	S	SOTW13WT
1650	29	173		OPRT	E	GDR	12KHZ	R13-01	GDC	28	12N	155	20W	S	SOTW13WT
600	10	273		DPRT	B	GDR	12KHZ	R13-02	GDC	28	112N	154	407W	S	SOTW13WT
1800	12	273		DPRT	E	GDR	12KHZ	R13-02	GDC	30	556N	151	579W	S	SOTW13WT
1931	12	273		DPRT	B	GDR	12KHZ	R13-03	GDC	30	546N	151	563W	S	SOTW13WT
1955	16	273		DPRT	E	GDR	12KHZ	R13-03	GDC	30	419N	138	141W	S	SOTW13WT
2240	16	273		DPRT	B	GDR	12KHZ	R13-04	GDC	30	429N	138	119W	S	SOTW13WT
353	20	273		DPRT	E	GDR	12KHZ	R13-04	GDC	31	563N	124	47W	S	SOTW13WT
2247	18	273		DPR3	B	GDR3.5KHZ	R13-05	GDC	31	313N	129	547W	S	SOTW13WT	
330	21	273		DPR3	E	GDR3.5KHZ	R13-05	GDC	32	213N	119	49W	S	SOTW13WT	

REGIN COMPOSITE BIOLOGICAL STATIONS

TIME GMT	DATE D.M.Y.	TIME LOC	TZ LOC	SAMP CODE	SAMPLE IDENT.	SURF. TEMP.	DISP CODE	LAT.	LONG.	CRUISE LEG-SHIP
R/V WASHINGTON SOTW13 STL										
1800	29	173		HCNA	T	ALL	TIMES	GMT	(+ 10	ZONE)
1828	29	173		TDS	TDS	1	ELV	28	28N	155
1929	29	173		TDS	TDS	1	DCP	28	31N	155
2037	29	173		DN50	102V	2	DCP	28	32N	155
2203	29	173		PS	150	2	FCR	28	34N	155
2223	29	173		HCNI	T	N	FCR	28	33N	155
2325	29	173		TMIP	B	5050	1	JAM	50N	155
2335	29	173		TMIP	B	388	1	JAM	60N	155
102	30	173		TMIP	E	5050	1	JAM	63N	155
2343	29	173		SNV	B	5050	1	JAM	40W	155
40	30	173		SNV	E	388	1	JAM	27W	155
120	30	173		HCNI	T	ALL	TIMES	GMT	(+ 10	ZONE)
348	30	173		HCNA	TDS	1	LAC	28	40W	155
449	30	173		TDS	TDS	1	LAC	28	34W	155
622	30	173		HCNA	T	N	FCR	28	28W	155
642	30	173		BTX	XBT	1	DCP	28	34W	155
710	30	173		TMIK	B	1000	1	DCP	34W	155
1200	30	173		TMIK	E	1000	3	DCP	34W	155
722	30	173		SNV	B	5050	2	ELV	38W	155
1130	30	173		SNV	E	388	8	BTS	38W	155
1235	30	173		BTX	XBT	1	JAM	28	39W	155
1300	30	173		HCNA	T	N	1	JAM	154	577W
1335	30	173		TMIP	B	5050	2	LAC	154	584W
1505	30	173		TMIP	E	5050	2	LAC	154	572W
1400	30	173		SNV	B	5050	9	DCP	154	573W
1500	30	173		SNV	E	388	3	ELV	154	578W
1522	30	173		TDS	TDS	1	JAM	27	154	593W
1555	30	173		HCNA	T	ALL	JAM	27	154	593W
1745	30	173		HCNA	T	ALL	LAC	27	154	583W
1745	30	173		ON25	T	35V	LAC	27	154	592W
							4	DCP	154	593W
							2	DCP	154	591W
							1	ELV	154	594W
							1	ELV	154	594W

TIME GMT	DATE O.M.Y.	TIME TZ	SAMP LOC	LOC CODE	SAMPLE IDENT.	SURF. TEMP.	DISP CODE	LAT.	LONG.	CRUISE LEG-SHIP
R/V WASHINGTON	SOTW13	ST2	ALL TIMES GMT	(+ 10 ZONE)						
2030 30 173	PS							20N	154 367W	S SOTW13WT
2103 31 173	BTX		XBT					110N	154 366W	S SOTW13WT
2125 30 173	HCNI		T N DPQGH					23N	154 362W	S SOTW13WT
2159 30 173	TDS		TDS					23N	154 357W	S SOTW13WT
2316 30 173	TMIP	B	5050	272	0			17N	154 342W	S SOTW13WT
35 31 173	TMIP	E	5050	272	0			ON	154 310W	S SOTW13WT
2325 30 173	SNNV	B	SNNVH	0	0			16N	154 338W	S SOTW13WT
37 31 173	SNNV	E	SNNVH	0	0			4 LAC	154 309W	S SOTW13WT
127 31 173	HCNI							2 FCR	154 373W	S SOTW13WT
300 31 173		B	DSL RECORD 12GDR					1 JAM	154 361W	S SOTW13WT
500 31 173		E	DSL RECORD 12GDR					1 JAM	154 351W	S SOTW13WT
348 31 173	HCNA		TDS					3 DCP	154 356W	S SOTW13WT
431 31 173	HCNA		TDS					6 DCP	154 352W	S SOTW13WT
523 31 173	HCNA		T N	G				4 ELV	154 349W	S SOTW13WT
545 31 173	TMIK	B	IKMT	860	0			2 JAM	154 348W	S SOTW13WT
1015 31 173	TMIK	E	IKMT	860	0			2 JAM	154 304W	S SOTW13WT
610 31 173	SNNV	B	SNNVH	0	0			5 LAC	154 346W	S SOTW13WT
1014 31 173	SNNV	E	SNNVH	0	0			5 LAC	154 303W	S SOTW13WT
1027 31 173	BTX		XBT					11 RTS	154 509W	S SOTW13WT
1106 31 173	TDS		TDS					7 DCP	154 517W	S SOTW13WT
1223 31 173	HCNA		T N	G				5 ELV	154 526W	S SOTW13WT
1240 31 173	TMIP	B	5050	303	0			4 JAM	154 526W	S SOTW13WT
1405 31 173	TMIP	E	5050	303	0			4 JAM	154 490W	S SOTW13WT
1245 31 173	SNNV	B	SNNVH	0	0			6 LAC	154 524W	S SOTW13WT
1400 31 173	SNNV	E	SNNVH	0	0			6 LAC	154 492W	S SOTW13WT
1515 31 173	HCNA		TDS					4 DCP	154 494W	S SOTW13WT
1607 31 173	HCNA		TDS					8 DCP	154 501W	S SOTW13WT
1720 31 173	HCNA		T N	G	A			2 ELV	154 498W	S SOTW13WT

[illegible]

Fertilizer samples

*John Peter Primary
Pro. Barry*

TIME	DATE	TIME	LOC	SAMP	TIME	LOC	IDENT.	TEMP.	DISP	CRUISE		
GMT	D.M.Y.	LOC	LOC	CODE	GMT	D.M.Y.	LOC	CODE	LEG-SHIP			
331	4	273		TDS	23	DCP	28	188N	154	371W	S	SOTW13WT
417	4	273		BTX	24	BTS	28	197N	154	371W	S	SOTW13WT
436	4	273		HCNA	12	ELV	28	193N	154	371W	S	SOTW13WT
452	4	273		TMIK	6	JAM	28	194N	154	371W	S	SOTW13WT
816	4	273		TMIK	6	JAM	28	194N	154	371W	S	SOTW13WT
458	4	273		SNNV	6	JAM	28	195N	154	408W	S	SOTW13WT
813	4	273		SNNV	6	JAM	28	195N	154	408W	S	SOTW13WT
831	4	273		TDS	17	LAC	28	290N	154	407W	S	SOTW13WT
924	4	273		BTX	24	DCP	28	290N	154	407W	S	SOTW13WT
945	4	273		HCNA	25	BTS	28	283N	154	408W	S	SOTW13WT
1047	4	273		TMIP	13	ELV	28	280N	154	412W	S	SOTW13WT
1206	4	273		TMIP	12	JAM	28	224N	154	399W	S	SOTW13WT
1052	4	273		SNNV	12	JAM	28	182N	154	384W	S	SOTW13WT
1204	4	273		SNNV	18	LAC	28	221N	154	398W	S	SOTW13WT
1337	4	273		TDS	18	LAC	28	183N	154	384W	S	SOTW13WT
1337	4	273		HCNA	25	DCP	28	203N	154	376W	S	SOTW13WT
1410	4	273		BTX	12	DCP	28	203N	154	376W	S	SOTW13WT
1524	4	273		HCNA	26	BTS	28	203N	154	376W	S	SOTW13WT
1600	4	273		ON25	6	ELV	28	200N	154	378W	S	SOTW13WT
					5	ELV	28	198N	154	379W	S	SOTW13WT
SPECIAL STUDIES, 28N 155W AREA												
2100	4	273		HCNI	1	FCR	28	180N	155	40W	S	SOTW13WT
2105	4	273		BTX	27	BTS	28	180N	155	40W	S	SOTW13WT
2315	4	273		HCNI	1	FCR	28	180N	155	36W	S	SOTW13WT
2329	4	273		ONBG	1	JAM	28	185N	155	32W	S	SOTW13WT
27	5	273		ONIM	1	JAM	28	196N	155	11W	S	SOTW13WT
52	5	273		ONBG	1	JAM	28	196N	155	3W	S	SOTW13WT
300	5	273		HCNI	2	FCR	28	203N	154	587W	S	SOTW13WT
539	5	273		TMIK	7	JAM	28	192N	154	595W	S	SOTW13WT
915	5	273		TMIK	7	JAM	28	106N	155	133W	S	SOTW13WT
543	5	273		SNNV	19	LAC	28	190N	154	596W	S	SOTW13WT
910	5	273		SNNV	19	LAC	28	107N	155	129W	S	SOTW13WT
939	5	273		ONBG	2	JAM	28	100N	155	141W	S	SOTW13WT
939	5	273		ONBG	2	JAM	28	100N	155	141W	S	SOTW13WT
1034	5	273		SNNV	20	LAC	28	94N	155	161W	S	SOTW13WT
1124	5	273		SNNV	20	LAC	28	95N	155	159W	S	SOTW13WT
1107	5	273		SNNV	21	LAC	28	99N	155	159W	S	SOTW13WT
1137	5	273		SNNV	21	LAC	28	111N	155	149W	S	SOTW13WT
1142	5	273		SNNV	21	LAC	28	113N	155	147W	S	SOTW13WT
1212	5	273		SNNV	22	LAC	28	136N	155	121W	S	SOTW13WT
1408	5	273		HCNI	1	FCR	28	200N	154	600W	S	SOTW13WT
1643	5	273		B PP	1	FCR	28	201N	154	584W	S	SOTW13WT
400	6	273		B PP	1	FCR	28	196N	154	518W	S	SOTW13WT
1304	5	273		ONBG	3	JAM	28	200N	154	574W	S	SOTW13WT
1832	5	273		ONBG	4	JAM	28	196N	154	569W	S	SOTW13WT
1902	5	273		ONBG	3	JAM	28	202N	154	563W	S	SOTW13WT
1927	5	273		ONBG	4	JAM	28	196N	154	559W	S	SOTW13WT
1952	5	273		ONBG	1	JAM	28	202N	154	554W	S	SOTW13WT
2015	5	273		ONBG	2	JAM	28	197N	154	552W	S	SOTW13WT
2042	5	273		ONBG	1	JAM	28	203N	154	550W	S	SOTW13WT
0-0-0-0-0					32	34N	117	344W	S			
2107	5	273		ONBG	2	JAM	28	196N	154	548W	S	SOTW13WT
2140	5	273		PS	7	FCR	28	205N	154	546W	S	SOTW13WT
2240	5	273		ON50	7	FCR	28	198N	154	542W	S	SOTW13WT

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Bacteria 4 S

TIME GMT	DATE D.M.Y.	TIME TZ LOC	SAMP LOC CODE	SAMP IDENT.	SURF. TEMP.	DISP CODE	LAT.	LONG.	CRUISE LEG-SHIP		
19	6	273	BTX	XBT	31	BTS 28	185N	154 547W	S SOTW13WT		
130	6	273	HCNI	O	1	FCR 28	188N	154 540W	S SOTW13WT		
203	6	273	SNNV	B SNNVH	0	23	LAC 28	190N	154 541W	S SOTW13WT	
233	6	273	SNNV	E SNNVH	0	23	LAC 28	186N	154 545W	S SOTW13WT	
238	6	273	SNNV	B SNNVH	0	24	LAC 28	185N	154 546W	S SOTW13WT	
308	6	273	SNNV	E SNNVH	0	24	LAC 28	178N	154 558W	S SOTW13WT	
230	6	273	BTX	XBT	32	BTS 28	186N	154 545W	S SOTW13WT		
317	6	273	SNNV	B SNNVH	0	25	LAC 28	179N	154 557W	S SOTW13WT	
337	6	273	SNNV	E SNNVH	0	25	LAC 28	190N	154 533W	S SOTW13WT	
547	6	273	BTX	XBT	33	BTS 28	186N	154 510W	S SOTW13WT		
645	6	273	CNGB	B 183H MS	1	MMH 28	193N	154 510W	S SOTW13WT		
1101	6	273	BTX	XBT	34	BTS 28	146N	154 455W	S SOTW13WT		
1130	6	273	CNGB	E 183H MS	1	MMH 28	136N	154 446W	S SOTW13WT		
1145	6	273	ONBG	5050	150	5	JAM 28	131N	154 441W	S SOTW13WT	
1225	6	273	ONBG	1830	400	0	1	MMH 28	122N	154 441W	S SOTW13WT
1430	6	273	ON50	103V	200	0	1	MMH 28	123N	154 478W	S SOTW13WT
1730	6	273	HCNI	N PQGH	1	FCR 28	195N	155 0W	S SOTW13WT		
1810	6	273	CNGB	B 183H MS	2	MMH 28	192N	154 592W	S SOTW13WT		
2145	6	273	CNGB	E 183H MS	2	MMH 28	144N	154 508W	S SOTW13WT		
1843	6	273	BTX	XBT	35	BTS 28	185N	154 576W	S SOTW13WT		
2200	6	273	ONBG	1830	400	0	2	MMH 28	147N	154 512W	S SOTW13WT
2315	6	273	ONBG	5050	125	0	6	JAM 28	164N	154 534W	S SOTW13WT
10	7	273	BTX	XBT	36	BTS 28	181N	154 557W	S SOTW13WT		
30	7	273	ON50	102V	200	0	2	MMH 28	183N	154 554W	S SOTW13WT
130	7	273	HCNI	N PQGH	1	FCR 28	179N	154 554W	S SOTW13WT		
140	7	273	HC		B	1	FCR 28	179N	154 553W	S SOTW13WT	
419	7	273	BTX	XBT	37	BTS 28	175N	154 554W	S SOTW13WT		
448	7	273	HCNA		1	ELV 28	172N	154 555W	S SOTW13WT		
545	7	273	TM1K	B IKMTD	G A	8	JAM 28	164N	154 563W	S SOTW13WT	
920	7	273	TM1K	E IKMTD	1010	0	8	JAM 28	93N	155 03W	S SOTW13WT
555	7	273	SNNV	B SNNVH	0	0	26	LAC 28	150N	154 566W	S SOTW13WT
855	7	273	SNNV	E SNNVH	0	0	26	LAC 28	87N	155 69W	S SOTW13WT
929	7	273	TM1K	B IKMTD	839	0	9	JAM 28	82N	155 86W	S SOTW13WT
1247	7	273	TM1K	E IKMTD	839	0	9	JAM 28	195N	155 153W	S SOTW13WT
933	7	273	SNNV	B SNNVH	0	0	27	LAC 28	84N	155 87W	S SOTW13WT
1245	7	273	SNNV	E SNNVH	0	0	27	LAC 28	194N	155 152W	S SOTW13WT
1202	7	273	BTX	XBT	38	BTS 28	168N	155 137W	S SOTW13WT		
1309	7	273	TM1K	B IKMTD	872	0	10	JAM 28	200N	155 147W	S SOTW13WT
1650	7	273	TM1K	E IKMTD	872	0	10	JAM 28	200N	155 3W	S SOTW13WT
309	7	273	SNNV	B SNNVH	0	0	28	LAC 28	177N	154 551W	S SOTW13WT
1615	7	273	SNNV	E SNNVH	0	0	28	LAC 28	203N	155 22W	S SOTW13WT
1500	7	273	HC	B	CD	1	FCR 28	188N	155 12W	S SOTW13WT	
2010	7	273	HCNA	N	N CD	1	FCR 28	194N	155 25W	S SOTW13WT	
2050	7	273	HC	E	N CD	1	FCR 28	184N	155 30W	S SOTW13WT	
2057	7	273	ON50	1020	100	0	1	FCR 28	185N	155 31W	S SOTW13WT
2107	7	273	BTX	XBT	39	BTS 28	186N	155 34W	S SOTW13WT		
2130	7	273	PS		7	FCR 28	189N	155 37W	S SOTW13WT		
2153	7	273	BTX	XBT	40	BTS 28	192N	155 39W	S SOTW13WT		
2230	7	273	HCNI	N PQGH	2	FCR 28	190N	155 45W	S SOTW13WT		
2310	7	273	ONBG	5050	110	0	7	JAM 28	190N	155 47W	S SOTW13WT
2332	7	273	ONBG	1830	100	0	5	JAM 28	197N	155 36W	S SOTW13WT
56	8	273	ON50	1020	100	0	2	FCR 28	202N	155 32W	S SOTW13WT
120	8	273	HCNA	N	2	FCR 28	200N	155 39W	S SOTW13WT		

TIME		DATE	TIME	T2	SAMP	SAMPLE	IDENT.	TEMP.	DISP	LAT.	LONG.	CRUISE	LEG-SHIP
GMT	D.M.Y.												
142	8	273			SNNV	B SNNVH	0	0	29	LAC 28 195N	155 44N	S	SOTW13WT
242	8	273			SNNV	E SNNVH	0	0	29	LAC 28 218N	155 111W	S	SOTW13WT
317	8	273			HCNA	T			1	DCP 28 211N	155 91W	S	SOTW13WT
717	8	273			HCNA	T			2	DCP 28 236N	155 19W	S	SOTW13WT
811	8	273			HCNA	N			3	FCR 28 259N	155 32W	S	SOTW13WT
840	8	273			GN50	1020	100	0	3	FCR 28 272N	155 40W	S	SOTW13WT
905	8	273			ONBG	1830	110	0	6	JAM 28 204N	155 47W	S	SOTW13WT
1014	8	273			ON1M	3080	212	0	4	JAM 28 310N	155 25W	S	SOTW13WT
1040	8	273			ON1M	3080	420	0	5	JAM 28 322N	155 33W	S	SOTW13WT
11330	8	273			BTX	XBT			41	BTS 28 296N	155 52W	S	SOTW13WT
11333	8	273			HCNA	N			4	FCR 28 293N	155 52W	S	SOTW13WT
13333	8	273			GN50	1020	100	0	4	FCR 28 263N	155 48W	S	SOTW13WT
14335	9	273			TM1K	B IKMTD	1000	0	9	JAM 28 224N	155 44W	S	SOTW13WT
1742	8	273			TM1K	E IKMTD	1000	0	9	JAM 28 255N	155 149W	S	SOTW13WT
1955	8	273			BTX	XBT			42	BTS 28 196N	155 0W	S	SOTW13WT
2020	8	273			ON50	1020	100	0	5	FCR 28 199N	155 4W	S	SOTW13WT
2031	8	273			ONBG	5050	108	0	8	JAM 28 200N	155 4W	S	SOTW13WT
2031	8	273			ONBG	1830	108	0	7	JAM 28 200N	155 4W	S	SOTW13WT
2140	8	273			HCNA	N			5	FCR 28 205N	155 10W	S	SOTW13WT
2157	8	273			HCNA	TSD		P GH	13	DCP 28 205N	155 12W	S	SOTW13WT
22354	8	273			HCNA	N			1	FCR 28 203N	155 14W	S	SOTW13WT
10	9	273			PS				8	FCR 28 210N	155 12W	S	SOTW13WT
47	9	273			HCNA	N			6	FCR 28 212N	155 11W	S	SOTW13WT
100	9	273			ON50	1020	100	0	6	FCR 28 213N	155 10W	S	SOTW13WT
145	9	273			BTX	XBT			43	BTS 28 217N	155 12W	S	SOTW13WT
150	9	273			TM1K	B IKMTD	951	0	10	JAM 28 217N	155 12W	S	SOTW13WT
510	9	273			TM1K	E IKMTD	951	0	10	JAM 28 312N	155 76W	S	SOTW13WT
150	9	273			SNNV	B SNNVH	0	0	30	LAC 28 217N	155 12W	S	SOTW13WT
505	9	273			SNNV	E SNNVH	0	0	30	LAC 28 310N	155 75W	S	SOTW13WT
646	9	273			ON1M	308H	37	0	6	JAM 28 198N	154 597W	S	SOTW13WT
909	9	273			BTX	XBT			44	BTS 28 182N	155 47W	S	SOTW13WT
935	9	273			HCNA	N			7	FCR 28 179N	155 52W	S	SOTW13WT
1001	9	273			ON50	1020	100	0	7	FCR 28 177N	155 56W	S	SOTW13WT
1029	9	273			ONBG	5050	102	0	9	JAM 28 161N	155 56W	S	SOTW13WT
1029	9	273			ONBG	1830	102	0	8	JAM 28 168N	155 56W	S	SOTW13WT
1140	9	273			HCNA	TSD			14	DCP 28 160N	155 58W	S	SOTW13WT
1224	9	273			ON1M	3080	212	0	7	JAM 28 161N	155 63W	S	SOTW13WT
1247	9	273			ON1M	3080	532	0	8	JAM 28 161N	155 67W	S	SOTW13WT
1400	9	273			HCNA	N			8	FCR 28 172N	155 58W	S	SOTW13WT
1420	9	273			GN50	1020	100	0	8	FCR 28 177N	155 64W	S	SOTW13WT
1537	9	273			BTX	XBT			45	BTS 28 100N	155 2W	S	SOTW13WT
1925	9	273			BTX	XBT			46	BTS 28 96N	154 378W	S	SOTW13WT
1940	9	273			BTX	XBT			47	BTS 28 97N	154 381W	S	SOTW13WT
1930	9	273			ON50	1020	150	0	1	FCR 28 97N	154 379W	S	SOTW13WT
2200	9	273			HC	N			1	FCR 28 91N	154 393W	S	SOTW13WT
2245	9	273			UTX	XBT			48	BTS 28 91N	154 392W	S	SOTW13WT
2245	9	273			HCNA				1	FCR 28 94N	154 391W	S	SOTW13WT
19	10	273			ONBG	5050	100	0	10	JAM 28 98N	154 392W	S	SOTW13WT
19	10	273			ONBG	1830	100	0	9	JAM 28 98N	154 392W	S	SOTW13WT
19	10	273			SNNV	B SNNVH	0	0	31	LAC 28 98N	154 392W	S	SOTW13WT
125	10	273			SNNV	E SNNVH	0	0	31	LAC 28 116N	154 397W	S	SOTW13WT
532	10	273			BTX	XBT			49	BTS 28 117N	154 408W	S	SOTW13WT
330	10	273			HCNA	TSD			15	DCP 28 114N	154 403W	S	SOTW13WT
330	10	273			HC				1	FCR 28 114N	154 403W	S	SOTW13WT

TIME	DATE	TIME	Y2	SAMP.	DISP	CRUISE
GMT	D.M.Y.	LOC	LOC	CODE	TEMP.	LEG-SHIP
UNDERWAY STATIONS						
1057	10	273	BTX	ALL TIMES GMT (+10 ZONE)	50	597N 154 447W S
1136	10	273	HCNA	T N	14	ELV 29 6N 154 453W S
1200	10	273	ONBG	5050	11	JAM 29 7N 154 456W S
1200	10	273	ONBG	1830	10	JAM 29 7N 154 456W S
1250	10	273	BTX	BTX	51	BTX 29 462N 154 521W S
1250	10	273	HCNA	T N	15	ELV 29 471N 154 525W S
1250	10	273	ON50	1020	2	FCR 29 47CN 154 530W S
1250	10	273	BTX	BTX	52	BTX 30 383N 154 563W S
1250	10	273	HCNA	T N	16	ELV 30 398N 154 566W S
1250	10	273	ON50	1020	32	LAC 30 399N 154 570W S
1250	10	273	BTX	BTX	32	LAC 30 415N 154 573W S
1250	10	273	HCNA	T N	12	JAM 30 400N 154 570W S
1250	10	273	ON50	1020	11	JAM 30 400N 154 570W S
1250	10	273	BTX	BTX	9	JAM 30 415N 154 573W S
1250	10	273	HCNA	T N	53	BTX 31 12N 154 571W S
1250	10	273	ON50	1020	26	DCP 31 12N 154 579W S
1250	10	273	BTX	BTX	17	ELV 31 12N 154 591W S
1250	10	273	HCNA	T N	1	FCR 31 13N 154 593W S
1250	10	273	ON50	1020	13	JAM 31 13N 155 0W S
1250	10	273	BTX	BTX	12	JAM 31 13N 155 0W S
1250	10	273	HCNA	T N	3	FCR 31 22N 155 15W S
1250	10	273	ON50	1020	3	FCR 31 30N 155 40W S
1250	10	273	BTX	BTX	9	FCR 31 32N 155 41W S
1250	10	273	HCNA	T N	11	JAM 31 35N 155 43W S
1250	10	273	ON50	1020	0	JAM 31 176N 154 537W S
1250	10	273	BTX	BTX	33	LAC 31 13N 154 585W S
1250	10	273	HCNA	T N	33	LAC 31 12CN 154 580W S
1250	10	273	ON50	1020	34	LAC 31 17CN 154 537W S
1250	10	273	BTX	BTX	2	FCR 31 161N 154 545W S
1250	10	273	HCNA	T N	2	FCR 31 158N 154 517W S
1250	10	273	ON50	1020	16	DCP 31 161N 154 545W S
1250	10	273	BTX	BTX	55	BTX 31 141N 154 525W S
1250	10	273	HCNA	T N	1	FCR 31 147N 154 527W S
1250	10	273	ON50	1020	1	FCR 31 158N 154 522W S
1250	10	273	BTX	BTX	14	JAM 31 157N 154 498W S
1250	10	273	HCNA	T N	13	JAM 31 157N 154 498W S
1250	10	273	ON50	1020	4	FCR 31 156N 154 506W S
1250	10	273	BTX	BTX	10	FCR 31 156N 154 507W S
1250	10	273	HCNA	T N	56	BTX 31 151N 154 502W S
1250	10	273	ON50	1020	9	FCR 31 150N 154 502W S
1250	10	273	BTX	BTX	7	ELV 31 148N 154 503W S
1250	10	273	HCNA	T N	6	ELV 31 152N 154 511W S
1250	10	273	ON50	1020	18	ELV 31 152N 154 512W S
1250	10	273	BTX	BTX	4	FCR 31 157N 154 498W S
1250	10	273	HCNA	T N	3	DCP 31 151N 154 505W S
1250	10	273	ON50	1020	53	BTX 31 12N 154 571W S
1250	10	273	BTX	BTX	26	DCP 31 12N 154 579W S
1250	10	273	HCNA	T N	17	ELV 31 12N 154 591W S
1250	10	273	ON50	1020	1	FCR 31 13N 154 593W S
1250	10	273	BTX	BTX	13	JAM 31 13N 155 0W S
1250	10	273	HCNA	T N	12	JAM 31 13N 155 0W S
1250	10	273	ON50	1020	3	FCR 31 22N 155 15W S
1250	10	273	BTX	BTX	3	

[illegible]

TIME	DATE	TIME	TZ	SAMP	SURF. DISP			CRUISE			
GMT	O-W-Y.	LOC	LOC	CODE	SAMPLE	IDENT.	TEMP.	CODE	LAT.	LONG.	LEG-SHIP
0 15 273				ONIM	3080	80	0	10	JAM 30	40N 145 55W	S SOTW13WT
443 15 273				HCNA	T N	G		23	ELV 29	593N 144 548W	S SOTW13WT
503 15 273				TMIK	B IKMTO	1130	0	13	JAM 29	591N 144 543W	S SOTW13WT
841 15 273				TMIK	E IKMTO	1130	0	13	JAM 29	465N 144 506W	S SOTW13WT
507 15 273				SNRV	B SNNVH	0	0	40	LAC 29	590N 144 542W	S SOTW13WT
820 15 273				SNRV	E SNNVH	0	0	40	LAC 29	476N 144 508W	S SOTW13WT
UNDERWAY STATIONS											
					ALL TIMES GMT (+ 10 ZONE)						
1200 15 273				BTX	XBT			67	BTS 29	579N 144 144W	S SOTW13WT
1747 15 273				BTX	XBT			68	BTS 30	123N 142 589W	S SOTW13WT
1832 15 273				HCNA	T N	G		24	ELV 30	125N 142 559W	S SOTW13WT
1902 15 273				HCNI	T N	D		3	FCR 30	125N 142 559W	S SOTW13WT
1910 15 273				ON50	1020	150	0	6	FCR 30	125N 142 559W	S SOTW13WT
					ALL TIMES GMT (+ 9 ZONE)						
9 16 273				BTX	XBT			69	BTS 30	203N 141 521W	S SOTW13WT
502 16 273				SNNV	B SNNVH	0	0	41	LAC 30	255N 140 458W	S SOTW13WT
555 16 273				SNNV	E SNNVH	0	0	41	LAC 30	265N 140 399W	S SOTW13WT
550 16 273				BTX	XBT			70	BTS 30	265N 140 405W	S SOTW13WT
636 16 273				HCNA	T N	G		25	ELV 30	265N 140 392W	S SOTW13WT
655 16 273				ON50	1020	150	0	7	FCR 30	264N 140 392W	S SOTW13WT
821 16 273				TDS	TDS			30	DCP 30	262N 140 394W	S SOTW13WT
2014 16 273				BTX	XBT			71	BTS 30	415N 138 125W	S SOTW13WT
2117 16 273				HCNI	T N	PQGH		1	FCR 30	426N 138 123W	S SOTW13WT
2141 16 273				TDS	TDS			31	DCP 30	429N 138 121W	S SOTW13WT
2010 16 273				HCNI	T N	D		4	FCR 30	419N 138 126W	S SOTW13WT
2010 16 273				DNIV		0	0	1	LC 30	419N 138 126W	S SOTW13WT
404 17 273				SNNV	B SNNVH	0	0	42	LAC 30	503N 136 560W	S SOTW13WT
505 17 273				SNNV	E SNNVH	0	0	42	LAC 30	503N 136 509W	S SOTW13WT
505 17 273				BTX	XBT			73	BTS 30	505N 136 509W	S SOTW13WT
505 17 273				ON50	1020	150	0	8	FCR 30	505N 136 507W	S SOTW13WT
603 17 273				HCNA	T N	G		25	ELV 30	518N 136 500W	S SOTW13WT
624 17 273				TDS	TDS			32	DCP 30	519N 136 501W	S SOTW13WT
630 17 273				ON50	1020	80	0	1	FCR 30	515N 136 502W	S SOTW13WT
1220 17 273				BTX	XBT			74	BTS 30	575N 135 485W	S SOTW13WT
1714 17 273				ON50	1020	150	0	9	FCR 31	54N 134 443W	S SOTW13WT
1714 17 273				BTX	XBT			75	FCR 31	54N 134 443W	S SOTW13WT
1801 17 273				HCNA	T N	G		26	ELV 31	65N 134 434W	S SOTW13WT
15 18 273				BTX	XBT			76	BTS 31	145N 133 310W	S SOTW13WT
532 18 273				ON50	1020	200	0	27	ELV 31	185N 132 347W	S SOTW13WT
600 18 273				TDS	TDS			10	FCR 31	185N 132 352W	S SOTW13WT
636 18 273				BTX	XBT			33	DCP 31	191N 132 345W	S SOTW13WT
650 18 273				BTX	XBT			78	BTS 31	192N 132 344W	S SOTW13WT
1100 18 273				BTX	XBT			79	BTS 31	211N 131 494W	S SOTW13WT
2000 18 273				BTX	XBT			82	BTS 31	295N 129 529W	S SOTW13WT
1635 18 273				BTX	XBT			80	BTS 31	268N 130 369W	S SOTW13WT
1640 18 273				BTX	XBT			81	BTS 31	765N 130 359W	S SOTW13WT
2000 18 273				HCNI	1020	150	0	5	FCR 31	295N 129 529W	S SOTW13WT
2020 18 273				ON50	1020	150	0	11	FCR 31	304N 129 530W	S SOTW13WT
2201 18 273				TDS	TDS			34	DCP 31	312N 129 540W	S SOTW13WT
2238 18 273				HCNI	T N	PQGH	B	5	FCR 31	315N 129 547W	S SOTW13WT
403 19 273				SNNV	B SNNVH	0	0	43	LAC 31	354N 128 468W	S SOTW13WT
500 19 273				SNNV	E SNNVH	0	0	43	LAC 31	354N 128 426W	S SOTW13WT

TIME GMT	DATE D.M.Y.	TIME LOC	YZ LOC	SAMP CODE	SAMPLE IDENT.	SURF. TEMP.	DISP CODE	LAT.	LONG.	CRUISE LEG-SHIP		
547	6	273		BTX	XBT 13-33	19.6	BTS	28	186N	154 510W	S	SOTW13WT
1101	6	273		BTX	XBT 13-34	19.5	BTS	28	146N	154 455W	S	SOTW13WT
1843	6	273		BTX	XBT 13-35	19.6	BTS	28	185N	154 576W	S	SOTW13WT
10	7	273		BTX	XBT 13-36	19.7	BTS	28	181N	154 557W	S	SOTW13WT
419	7	273		BTX	XBT 13-37	19.7	BTS	28	175N	154 554W	S	SOTW13WT
1202	7	273		BTX	XBT 13-38	19.4	BTS	28	168N	155 137W	S	SOTW13WT
2107	7	273		BTX	XBT 13-39	19.4	BTS	28	186N	155 34W	S	SOTW13WT
2153	7	273		BTX	XBT 13-40	19.4	BTS	28	192N	155 39W	S	SOTW13WT
1330	8	273		BTX	XBT 13-41	19.4	BTS	28	196N	155 52W	S	SOTW13WT
1955	8	273		BTX	XBT 13-42	19.4	BTS	28	196N	155 0W	S	SOTW13WT
145	9	273		BTX	XBT 13-43	19.5	BTS	28	217N	155 12W	S	SOTW13WT
909	9	273		BTX	XBT 13-44	19.4	BTS	28	182N	155 47W	S	SOTW13WT
1537	9	273		BTX	XBT 13-45	19.4	BTS	28	180N	155 2W	S	SOTW13WT
1925	9	273		BTX	XBT 13-46	19.5	BTS	28	96N	154 378W	S	SOTW13WT
1940	9	273		BTX	XBT 13-47	19.2	BTS	28	97N	154 381W	S	SOTW13WT
2245	9	273		BTX	XBT 13-48	19.2	BTS	28	91N	154 392W	S	SOTW13WT
532	10	273		BTX	XBT 13-49	18.7	BTS	28	117N	154 408W	S	SOTW13WT
1053	10	273		BTX	XBT 13-50	18.3	BTS	28	591N	154 446W	S	SOTW13WT
1650	10	273		BTX	XBT 13-51	18.3	BTS	29	462N	154 521W	S	SOTW13WT
2250	10	273		BTX	XBT 13-52	18.6	BTS	30	383N	154 563W	S	SOTW13WT
300	11	273		BTX	XBT 13-53	18.7	BTS	31	12N	154 571W	S	SOTW13WT
450	11	273		BTX	XBT 13-54	00.0	BTS	31	12N	154 592W	S	SOTW13WT
1807	11	273		BTX	XBT 13-55	17.5	BTS	31	147N	154 525W	S	SOTW13WT
2332	11	273		BTX	XBT 13-56	17.6	BTS	31	151N	154 502W	S	SOTW13WT
1224	12	273		BTX	XBT 13-57	00.0	BTS	31	64N	153 167W	S	SOTW13WT
1748	12	273		BTX	XBT 13-58	17.3	BTS	30	559N	152 7W	S	SOTW13WT
24	13	273		BTX	XBT 13-59	18.1	BTS	30	463N	150 488W	S	SOTW13WT
550	13	273		BTX	XBT 13-60	19.5	BTS	30	357N	149 314W	S	SOTW13WT
1200	13	273		BTX	XBT 13-61	00.0	BTS	30	269N	148 308W	S	SOTW13WT
1750	130273			BTX	XBT 13-62	18.5	BTS	30-169N	147-107W	S	SOTW13WT	
20	14	273		BTX	XBT 13-63	19.1	BTS	30	115N	146 18W	S	SOTW13WT
501	14	273		BTX	XBT 13-64	18.6	BTS	29	595N	144 598W	S	SOTW13WT
2028	14	273		BTX	XBT 13-65	18.1	BTS	30	5N	145 5W	S	SOTW13WT
402	15	273		BTX	XBT 13-66	18.5	BTS	29	596N	144 557W	S	SOTW13WT
1200	15	273		BTX	XBT 13-67	18.6	BTS	29	579N	144 144W	S	SOTW13WT
1747	15	273		BTX	XBT 13-68	18.1	BTS	30	123N	142 589W	S	SOTW13WT
9	16	273		BTX	XBT 13-69	18.6	BTS	30	203N	141 521W	S	SOTW13WT
550	16	273		BTX	XBT 13-70	18.5	BTS	30	265N	140 405W	S	SOTW13WT
2014	16	273		BTX	XBT 13-71	18.0	BTS	30	419N	138 125W	S	SOTW13WT
1	17	273		BTX	XBT 13-72	17.8	BTS	30	446N	137 527W	S	SOTW13WT
505	17	273		BTX	XBT 13-73	17.5	BTS	30	508N	136 509W	S	SOTW13WT
1220	17	273		BTX	XBT 13-74	16.5	BTS	30	579N	135 485W	S	SOTW13WT
1714	17	273		BTX	XBT 13-75	00.0	BTS	31	54N	134 443W	S	SOTW13WT
15	18	273		BTX	XBT 13-76	16.8	BTS	31	145N	133 210W	S	SOTW13WT
519	18	273		BTX	XBT 13-77	16.5	BTS	31	193N	132 345W	S	SOTW13WT
650	18	273		BTX	XBT 13-78	16.5	BTS	31	192N	132 344W	S	SOTW13WT
1100	18	273		BTX	XBT 13-79	16.0	BTS	31	211N	131 494W	S	SOTW13WT
1635	18	273		BTX	XBT 13-80	16.0	BTS	31	268N	130 369W	S	SOTW13WT
1640	18	273		BTX	XBT 13-81	16.0	BTS	31	269N	130 359W	S	SOTW13WT
2000	18	273		BTX	XBT 13-82	16.1	BTS	31	299N	129 529W	S	SOTW13WT
7	19	273		BTX	XBT 13-83	16.2	BTS	31	320N	129 391W	S	SOTW13WT
505	19	273		BTX	XBT 13-84	15.5	BTS	31	354N	128 425W	S	SOTW13WT
1100	19	273		BTX	XBT 13-85	15.3	BTS	31	366N	127 444W	S	SOTW13WT
1652	19	273		BTX	XBT 13-86	14.7	BTS	31	453N	126 234W	S	SOTW13WT
7	20	273		BTX	XBT 13-87	17.5	BTS	31	542N	124 570W	S	SOTW13WT

DATA COLLECTION AND PROCESSING GROUP--F.WILKES (EXT.1140)

THERMOGRAPH

TIME	DATE	TIME	TZ	SAMP	SURF.	DISP	CRUISE
GMT	D.M.Y.	LOC	LOC	CODE	TEMP.	CODE	LEG-SHIP
				SAMPLE IDENT.			
2039	27	173		TGR B	01 DCP 21	272N 157 358W	S SOTW13WT
2041	28	173		TGR E	01 DCP 24	556N 156 150W	S SOTW13WT
2042	28	173		TGR B	02 DCP 24	556N 156 150W	S SOTW13WT
700	29	173		TGR E	02 DCP 26	265N 155 382W	S SOTW13WT
2143	29	173		TGR B	03 DCP 28	44N 155 33W	S SOTW13WT
2222	30	173		TGR E	03 DCP 28	22N 154 353W	S SOTW13WT
2223	30	173		TGR B	04 DCP 28	22N 154 353W	S SOTW13WT
2317	31	173		TGR E	04 DCP 28	84N 154 367W	S SOTW13WT
2318	31	173		TGR B	05 DCP 28	83N 154 367W	S SOTW13WT
2320	1	273		TGR E	05 DCP 28	120N 154 574W	S SOTW13WT
2321	1	273		TGR B	06 DCP 28	120N 154 573W	S SOTW13WT
240	2	273		TGR E	06 DCP 28	118N 154 565W	S SOTW13WT
242	2	273		TGR B	07 DCP 28	118N 154 565W	S SOTW13WT
157	3	273		TGR E	07 DCP 28	208N 155 8W	S SOTW13WT
200	3	273		TGR B	08 DCP 28	208N 155 8W	S SOTW13WT
230	4	273		TGR E	08 DCP 28	190N 154 368W	S SOTW13WT
236	4	273		TGR B	09 DCP 28	190N 154 368W	S SOTW13WT
318	5	273		TGR E	09 DCP 28	202N 154 588W	S SOTW13WT
320	5	273		TGR B	10 DCP 28	202N 154 588W	S SOTW13WT
605	7	273		TGR E	10 DCP 28	155N 154 571W	S SOTW13WT
607	7	273		TGR B	11 DCP 28	154N 154 572W	S SOTW13WT
545	8	273		TGR E	11 DCP 28	201N 155 4W	S SOTW13WT
547	8	273		TGR B	12 DCP 28	202N 155 4W	S SOTW13WT
351	9	273		TGR E	12 DCP 28	276N 155 56W	S SOTW13WT
353	9	273		TGR B	13 DCP 28	277N 155 56W	S SOTW13WT
438	10	273		TGR E	13 DCP 28	115N 154 408W	S SOTW13WT
439	10	273		TGR B	14 DCP 28	115N 154 408W	S SOTW13WT
351	11	273		TGR E	14 DCP 31	12N 154 579W	S SOTW13WT

NON-SIO PROGRAMS-PROCESSOR J.L.COATSWORTH EXT. 2846

*** AIR SAMPLE ***

AEROSOLS--A.W.HOGAN S.U.N.Y.

TIME	DATE	TIME	TZ	SAMP	SURF.	DISP	CRUISE
GMT	D.M.Y.	LOC	LOC	CODE	TEMP.	CODE	LEG-SHIP
				SAMPLE IDENT.			
31	28	173		ASNU	AWH 22	3N 157 251W	S SOTW13WT
623	28	173		ASNU	AWH 22	48N 157 85W	S SOTW13WT
1218	28	173		ASNU	AWH 23	422N 156 470W	S SOTW13WT
1835	28	173		ASNU	AWH 24	398N 156 229W	S SOTW13WT
111	29	173		ASNU	AWH 25	292N 156 4W	S SOTW13WT
623	29	173		ASNU	AWH 26	206N 155 410W	S SOTW13WT
1245	29	173		ASNU	AWH 27	207N 155 102W	S SOTW13WT

TIME		DATE	TIME	YZ	SAMP	SAMPLE	IDENT.	SURF. TEMP.	DISP CODE	LAT.	LONG.	CRUISE		
GMT	D.M.Y.												LOC	LOC
1820	29	173			ASNU	AEROSOL	13-08		AWH 28	33N	155	23W	S	SOTW13WT
11	30	173			ASNU	AEROSOL	13-09		AWH 28	73N	155	38W	S	SOTW13WT
548	30	173			ASNU	AEROSOL	13-10		AWH 28	105N	155	35W	S	SOTW13WT
1145	30	173			ASNU	AEROSOL	13-11		AWH 27	532N	154	580W	S	SOTW13WT
11800	30	173			ASNU	AEROSOL	13-12		AWH 27	568N	154	593W	S	SOTW13WT
654	31	173			ASNU	AEROSOL	13-13		AWH 27	590N	154	369W	S	SOTW13WT
1750	31	173			ASNU	AEROSOL	13-14		AWH 28	53N	154	470W	S	SOTW13WT
1	1	273			ASNU	AEROSOL	13-15		AWH 28	85N	154	364W	S	SOTW13WT
642	1	273			ASNU	AEROSOL	13-16		AWH 28	133N	154	408W	S	SOTW13WT
1200	1	273			ASNU	AEROSOL	13-17		AWH 28	165N	154	478W	S	SOTW13WT
1735	1	273			ASNU	AEROSOL	13-18		AWH 28	101N	154	355W	S	SOTW13WT
600	2	273			ASNU	AEROSOL	13-19		AWH 29	101N	155	21W	S	SOTW13WT
1152	2	273			ASNU	AEROSOL	13-20		AWH 28	89N	155	119W	S	SOTW13WT
1735	2	273			ASNU	AEROSOL	13-21		AWH 28	181N	155	10W	S	SOTW13WT
736	3	273			ASNU	AEROSOL	13-22		AWH 28	83N	154	599W	S	SOTW13WT
1215	3	273			ASNU	AEROSOL	13-23		AWH 28	133N	155	23W	S	SOTW13WT
1024	3	273			ASNU	AEROSOL	13-24		AWH 28	150N	154	443W	S	SOTW13WT
2354	3	273			ASNU	AEROSOL	13-25		AWH 28	184N	154	363W	S	SOTW13WT
604	4	273			ASNU	AEROSOL	13-26		AWH 28	223N	154	382W	S	SOTW13WT
1230	4	273			ASNU	AEROSOL	13-27		AWH 28	196N	154	384W	S	SOTW13WT
1800	4	273			ASNU	AEROSOL	13-28		AWH 28	186N	154	536W	S	SOTW13WT
0	5	273			ASNU	AEROSOL	13-29		AWH 28	161N	155	21W	S	SOTW13WT
559	5	273			ASNU	AEROSOL	13-30		AWH 28	183N	155	5W	S	SOTW13WT
1230	5	273			ASNU	AEROSOL	13-31		AWH 28	154N	155	99W	S	SOTW13WT
1818	5	273			ASNU	AEROSOL	13-32		AWH 28	198N	154	572W	S	SOTW13WT
2352	5	273			ASNU	AEROSOL	13-33		AWH 28	187N	154	544W	S	SOTW13WT
530	6	273			ASNU	AEROSOL	13-34		AWH 28	183N	154	511W	S	SOTW13WT
1840	6	273			ASNU	AEROSOL	13-35		AWH 28	186N	154	578W	S	SOTW13WT
8	7	273			ASNU	AEROSOL	13-36		AWH 28	183N	154	556W	S	SOTW13WT
620	7	273			ASNU	AEROSOL	13-37		AWH 26	143N	154	573W	S	SOTW13WT
1154	7	273			ASNU	AEROSOL	13-38		AWH 28	163N	155	134W	S	SOTW13WT
1800	7	273			ASNU	AEROSOL	13-39		AWH 28	196N	155	8W	S	SOTW13WT
557	8	273			ASNU	AEROSOL	13-40		AWH 28	205N	155	4W	S	SOTW13WT
1245	8	273			ASNU	AEROSOL	13-41		AWH 28	343N	155	57W	S	SOTW13WT
2358	8	273			ASNU	AEROSOL	13-42		AWH 28	210N	155	14W	S	SOTW13WT
555	9	273			ASNU	AEROSOL	13-43		AWH 28	263N	155	33W	S	SOTW13WT
1208	9	273			ASNU	AEROSOL	13-44		AWH 28	160N	155	61W	S	SOTW13WT
1600	9	273			ASNU	AEROSOL	13-45		AWH 28	100N	154	519W	S	SOTW13WT
50	10	273			ASNU	AEROSOL	13-46		AWH 28	103N	154	394W	S	SOTW13WT
605	10	273			ASNU	AEROSOL	13-47		AWH 28	113N	154	408W	S	SOTW13WT
1240	10	273			ASNU	AEROSOL	13-48		AWH 29	15N	154	461W	S	SOTW13WT
1630	10	273			ASNU	AEROSOL	13-49		AWH 29	49N	154	523W	S	SOTW13WT
20	11	273			ASNU	AEROSOL	13-50		AWH 30	404N	154	571W	S	SOTW13WT
558	11	273			ASNU	AEROSOL	13-51		AWH 31	13N	155	8W	S	SOTW13WT
2345	11	273			ASNU	AEROSOL	13-52		AWH 31	150N	154	502W	S	SOTW13WT
1120	12	273			ASNU	AEROSOL	13-53		AWH 30	43N	153	33W	S	SOTW13WT
1930	12	273			ASNU	AEROSOL	13-54		AWH 30	543N	151	564W	S	SOTW13WT
37	13	273			ASNU	AEROSOL	13-55		AWH 30	463N	150	456W	S	SOTW13WT
645	13	273			ASNU	AEROSOL	13-56		AWH 30	361N	149	292W	S	SOTW13WT
1213	13	273			ASNU	AEROSOL	13-57		AWH 30	264N	148	278W	S	SOTW13WT
1800	13	273			ASNU	AEROSOL	13-58		AWH 30	167N	147	90W	S	SOTW13WT
29	14	273			ASNU	AEROSOL	13-59		AWH 30	112N	145	598W	S	SOTW13WT
610	14	273			ASNU	AEROSOL	13-60		AWH 29	59QN	144	589W	S	SOTW13WT
1154	14	273			ASNU	AEROSOL	13-61		AWH 30	31N	144	590W	S	SOTW13WT

TIME DATE TIME TZ	SAMP	SURF. DISP	Cruise
GMT D.M.Y. LOC LOC	CODE	TEMP. CODE	LEG-SHIP
	SAMPLE IDENT.		
0 15 273	ASNU	AWH 30	40N 145 55W S SOTW13WT
556 15 273	ASNU	AWH 29	561N 144 532W S SOTW13WT
1220 15 273	ASNU	AWH 29	593N 144 101W S SOTW13WT
1804 15 273	ASNU	AWH 30	124N 142 562W S SOTW13WT
1820 15 273	ASNU	AWH 30	124N 142 559W S SOTW13WT
1825 15 273	ASNU	AWH 30	124N 142 559W S SOTW13WT
10 16 273	ASNU	AWH 30	204N 141 519W S SOTW13WT
605 16 273	ASNU	AWH 30	265N 140 392W S SOTW13WT
1110 16 273	ASNU	AWH 30	286N 140 156W S SOTW13WT
2345 16 273	ASNU	AWH 30	441N 137 564W S SOTW13WT
1312 17 273	ASNU	AWH 30	59CN 135 369W S SOTW13WT
1909 17 273	ASNU	AWH 31	78N 134 423W S SOTW13WT
511 18 273	ASNU	AWH 31	192N 132 344W S SOTW13WT
1645 18 273	ASNU	AWH 31	269N 130 348W S SOTW13WT
20 19 273	ASNU	AWH 31	323N 129 342W S SOTW13WT
515 19 273	ASNU	AWH 31	355N 128 425W S SOTW13WT
515 19 273	ASNU	AWH 31	355N 128 425W S SOTW13WT
1057 19 273	ASNU	AWH 31	386N 127 451W S SOTW13WT
1703 19 273	ASNU	AWH 31	456N 126 208W S SOTW13WT
1820 19 273	ASNU	AWH 31	475N 126 34W S SOTW13WT
21 20 273	ASNU	AWH 31	544N 124 537W S SOTW13WT
612 20 273	ASNU	AWH 31	554N 123 517W S SOTW13WT
1205 20 273	ASNU	AWH 31	600N 122 398W S SOTW13WT
1610 20 273	ASNU	AWH 32	81N 121 159W S SOTW13WT
2045 20 273	ASNU	AWH 32	112N 120 400W S SOTW13WT
2350 20 273	ASNU	AWH 32	155N 119 565W S SOTW13WT

END SAMPLE INDEX