

PRELIMINARY REPORT AND INDEX
OF
NAVIGATION, DEPTH, MAGNETIC AND SUBBOTTOM PROFILER DATA
SOUTHTOW EXPEDITION
LEG 11
R/V T. WASHINGTON

Pago Pago, Samoa (25 Nov. 1972)

To

Apia, W. Samoa (20 Dec. 1972)

Chief Scientist, Leg 11 - E. L. Winterer

Cruise Coordinator - J. Mudie

Airgun Tech. - R. E. Bongard

Computer Tech - J. D. Ott

Resident Marine Techs - W. E. Keith, B. Wilson

Data Processed by - S. Smith, U. Albright, J. Moore, O. McConnell

Geological Data Center

T. E. Chase - Curator

S. M. Smith - Data Processing Coordinator

Scripps Institution of Oceanography

La Jolla, California

January 30, 1973

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

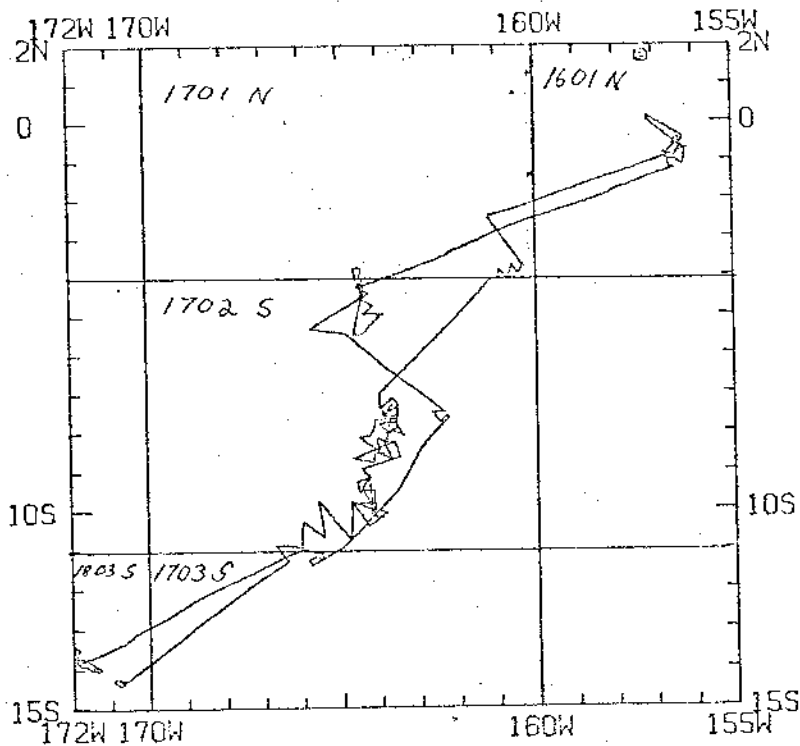
Contents:

- 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

NOTE: SOUTHTOW, Leg 11 Depth, Magnetic and Subbottom Profiler data declared proprietary until January 1974 with possible one year extension. Not to be reproduced or transmitted without permission of E. L. Winterer (S.I.O.).



SOUTHTON EXPEDITION
LEG II

R/V T. WASHINGTON

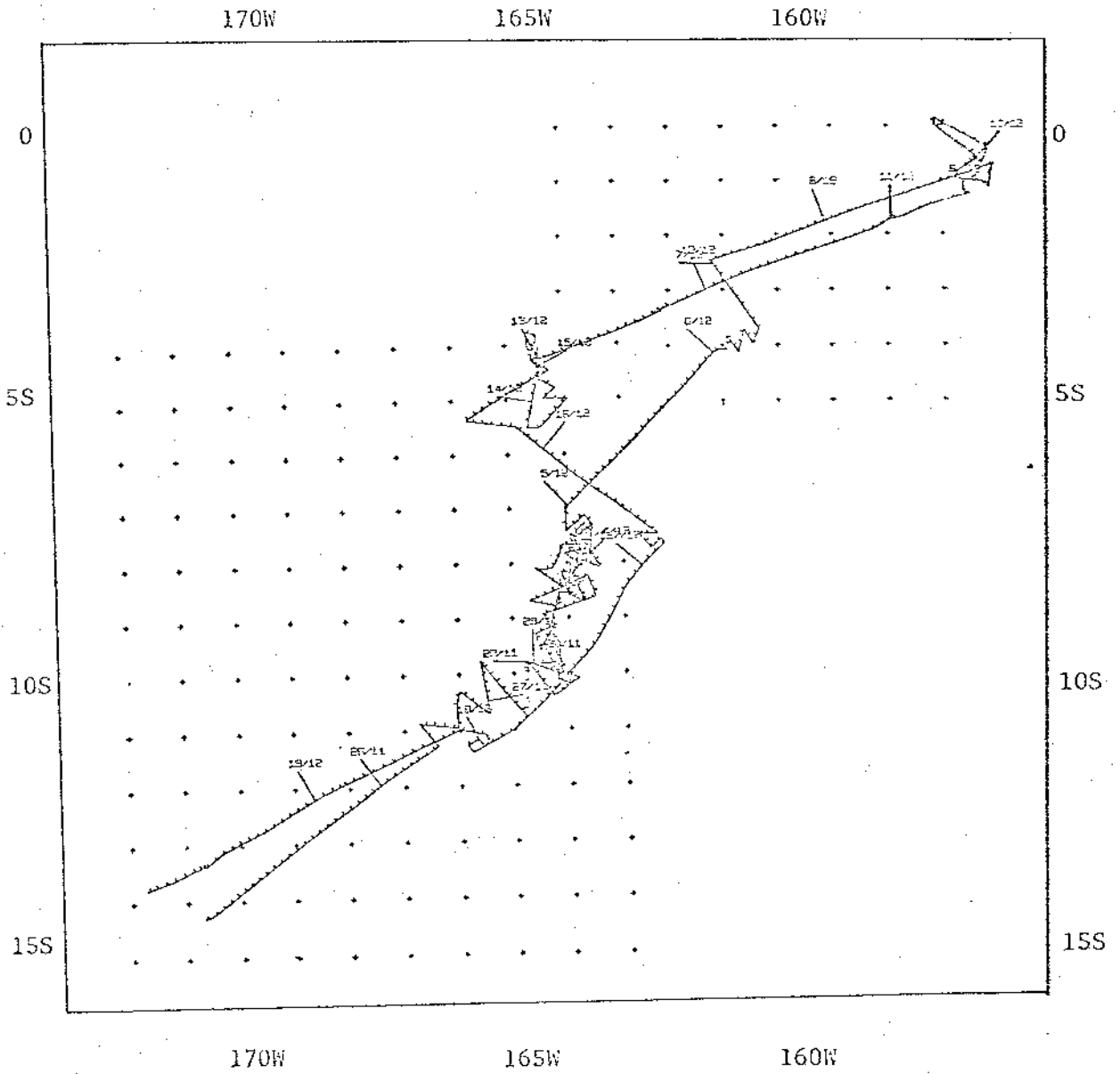
Chief Scientist- E.L. Winterer

Pago Pago, Samoa - Apia, Western Samoa

(25 November 1972 - 19 December 1972)

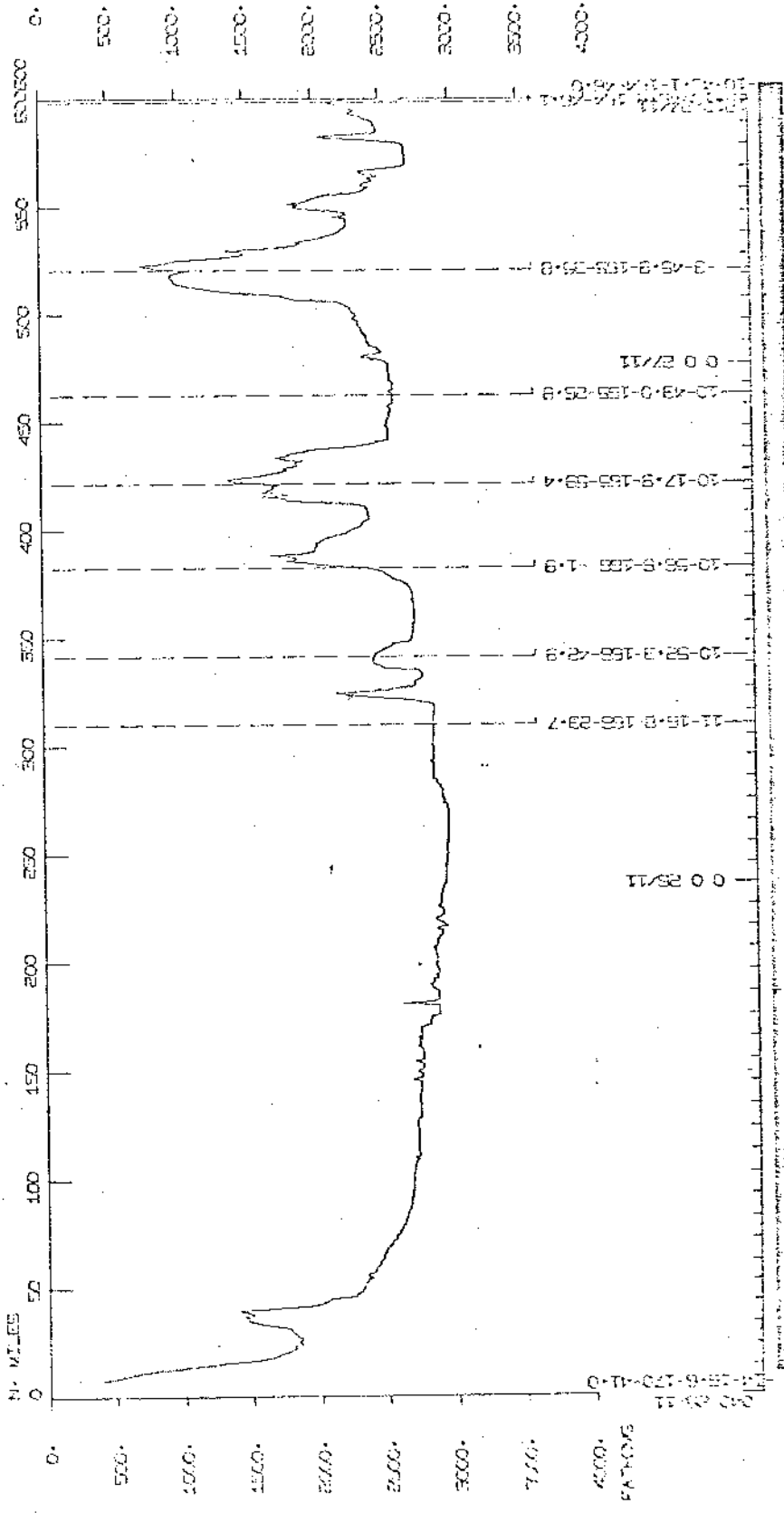
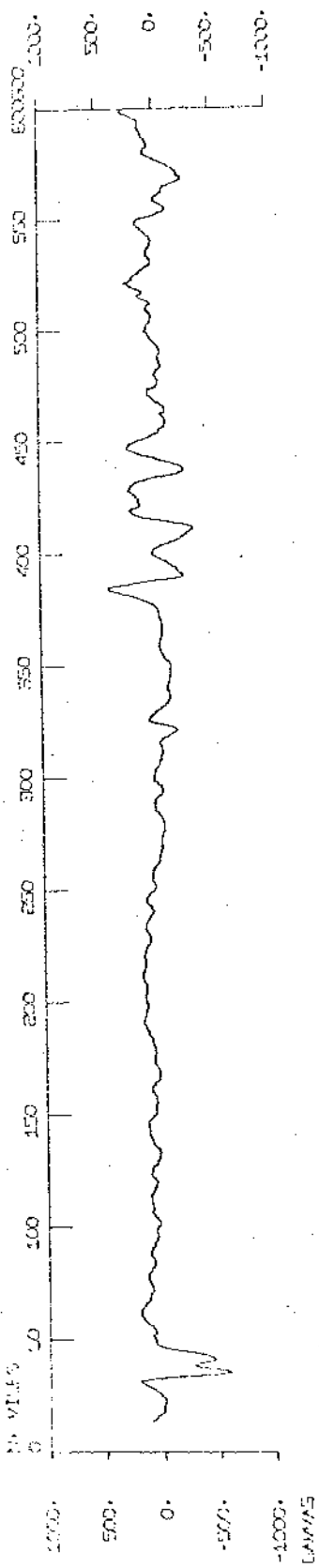
TOTAL MILEAGE

- 1) Cruise - 5294.7 miles
- 2) Bathymetry - 5290 miles
- 3) Magnetics - 5020 miles
- 4) Seismic Reflection - 4965 miles

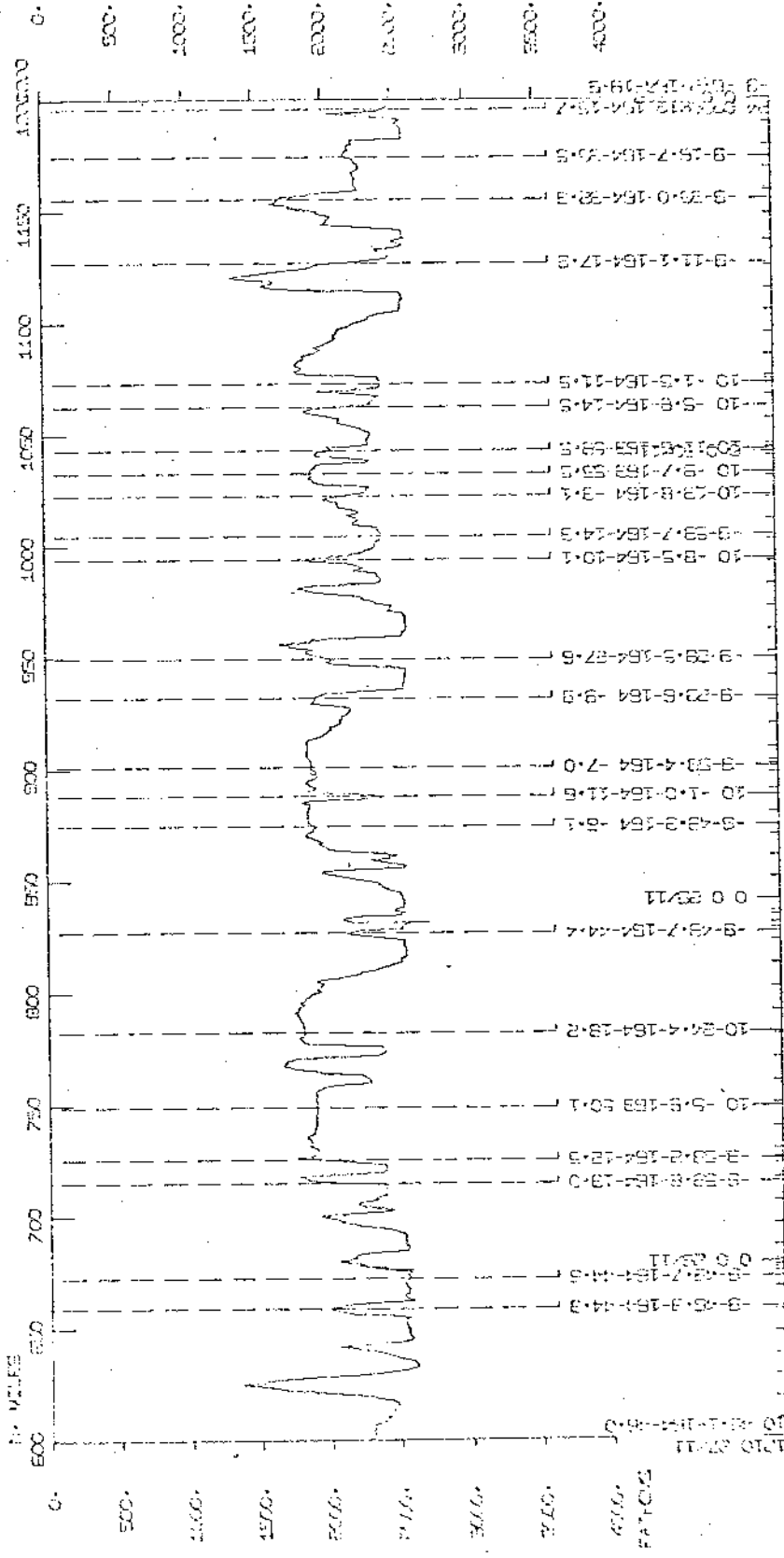
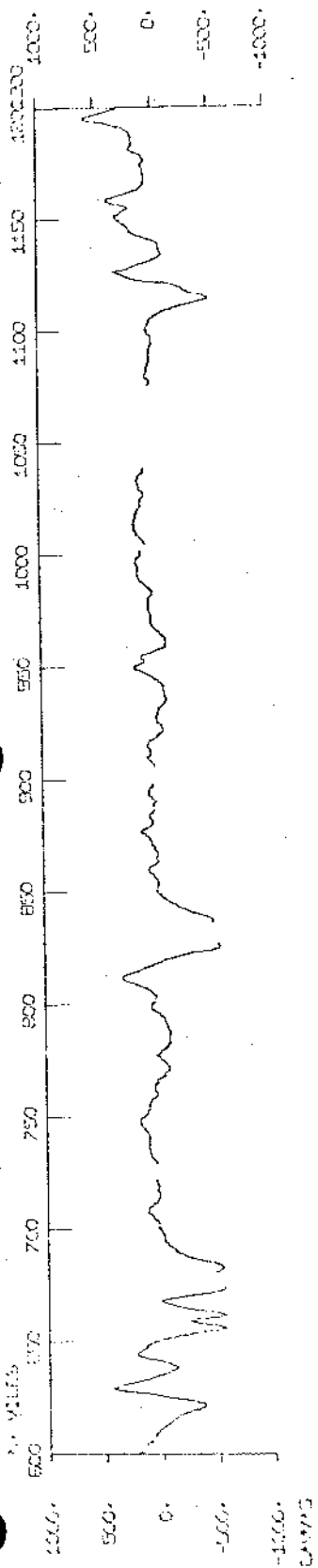


SOUTHTOW 11
 track plot

SOUTHWEST LEG 11



SOUTHERN LEO II



10-8-5-154-10-1

10-8-5-154-10-2

10-8-5-154-10-3

10-8-5-154-10-4

10-8-5-154-10-5

10-8-5-154-10-6

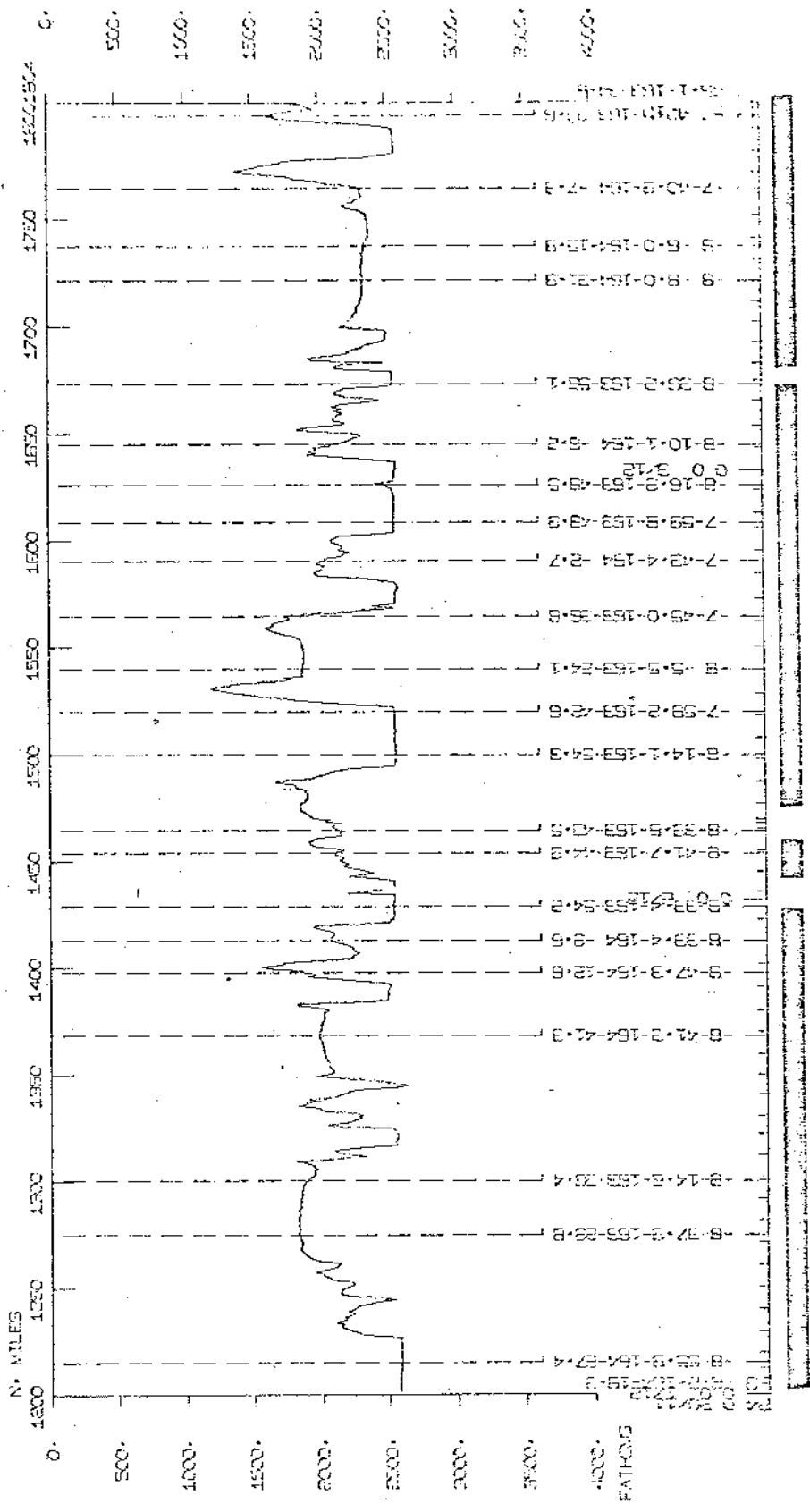
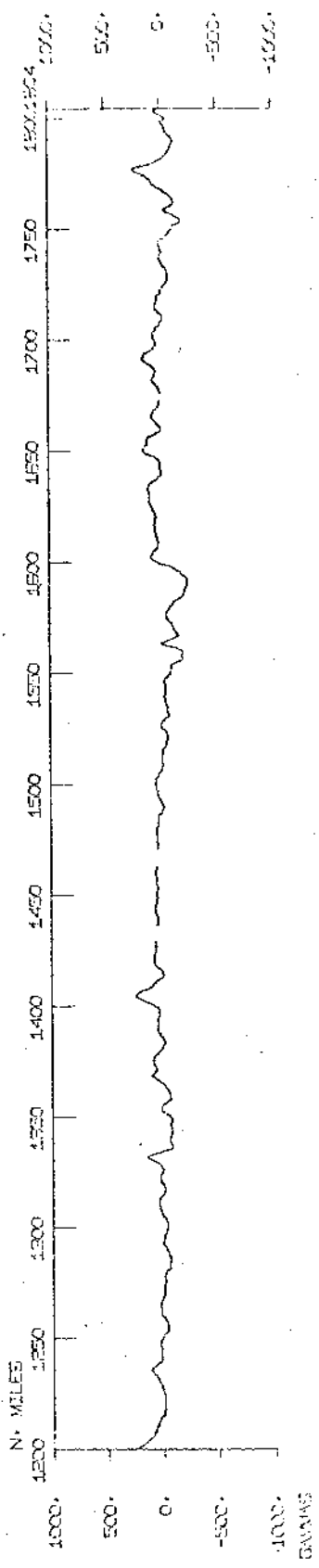
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10-8-5-154-10-8

10-8-5-154-10-9

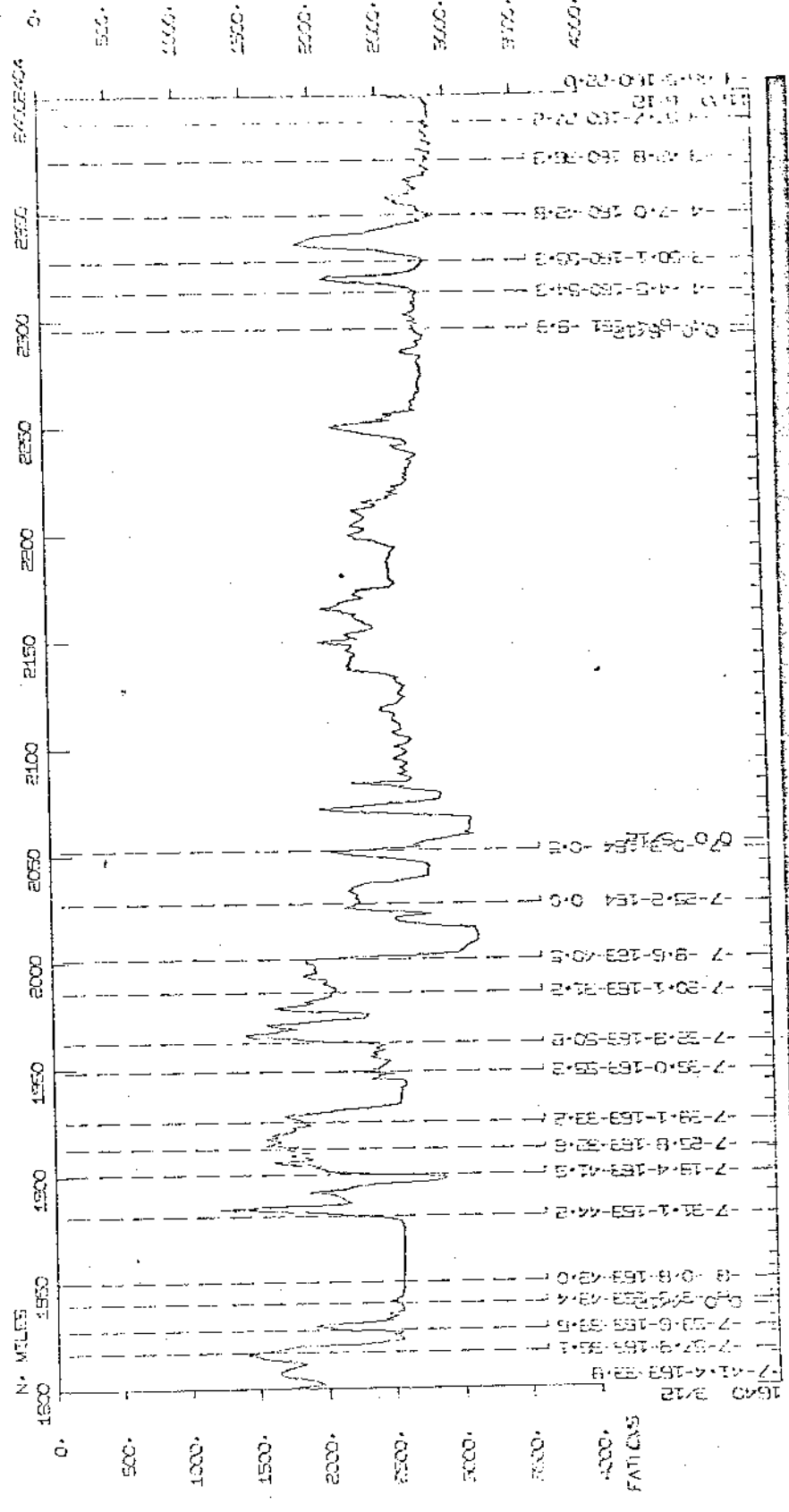
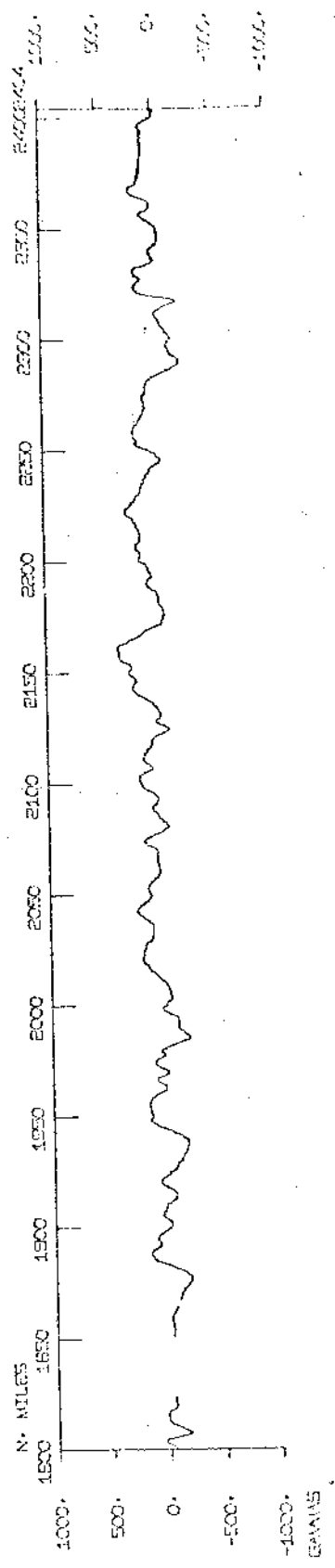
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SOUTHWEST LEG 11

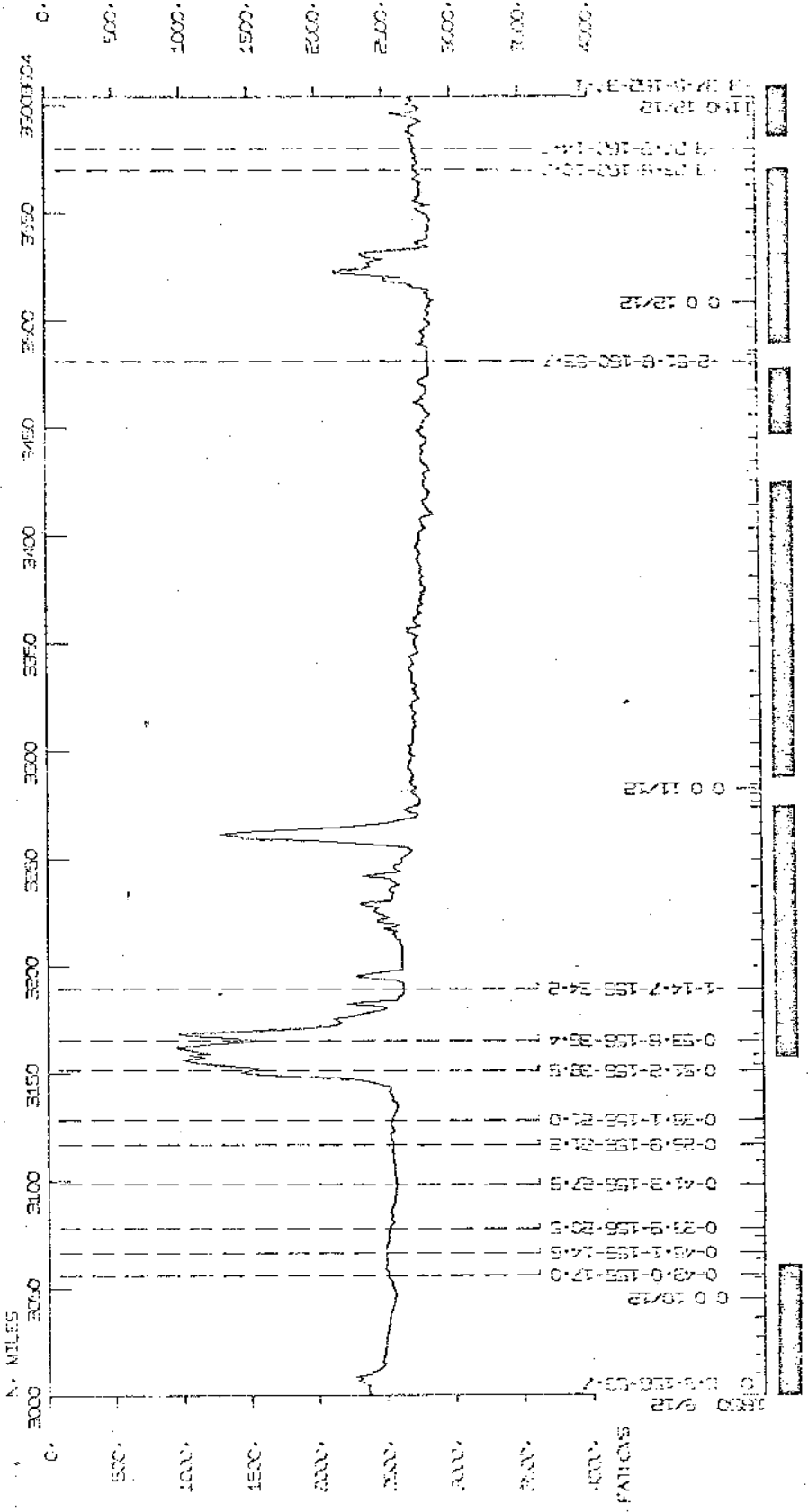
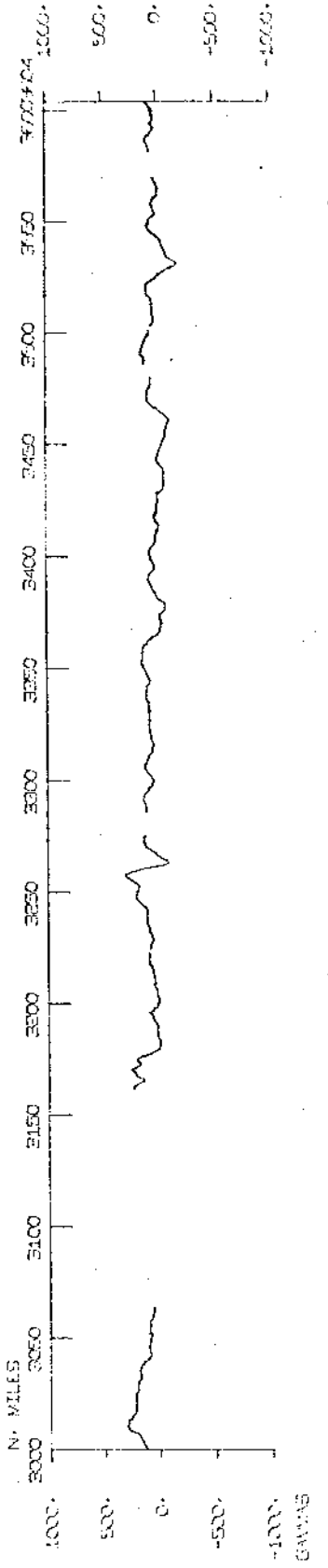


Station	Depth (Fathoms)	Gain (Gaining)
1200	4000	-1000
1250	3500	-500
1300	3000	0
1350	2500	500
1400	2000	0
1450	1500	-500
1500	1000	0
1550	500	500
1600	0	0
1650	500	-500
1700	1000	0
1750	1500	500
1800	3500	1000

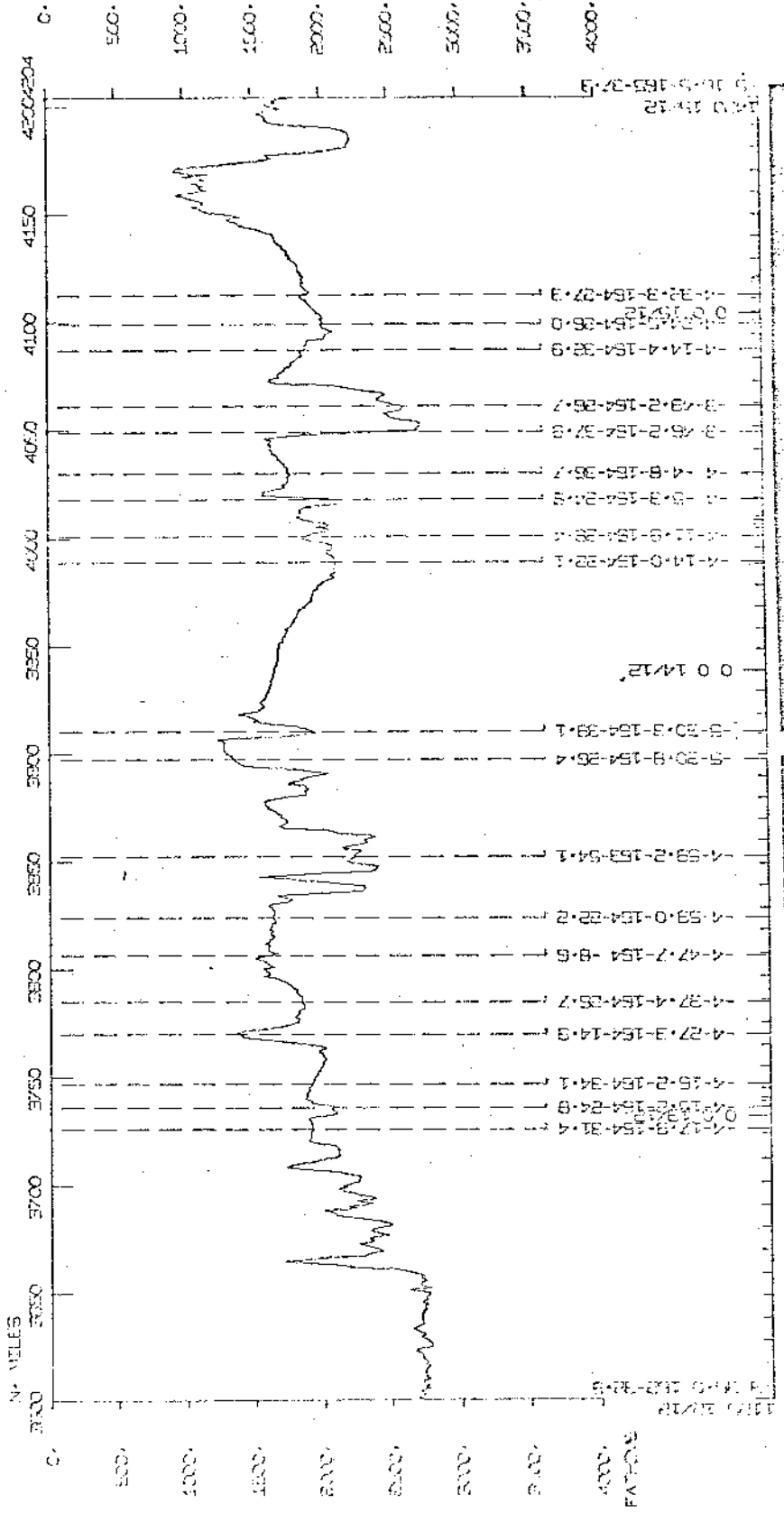
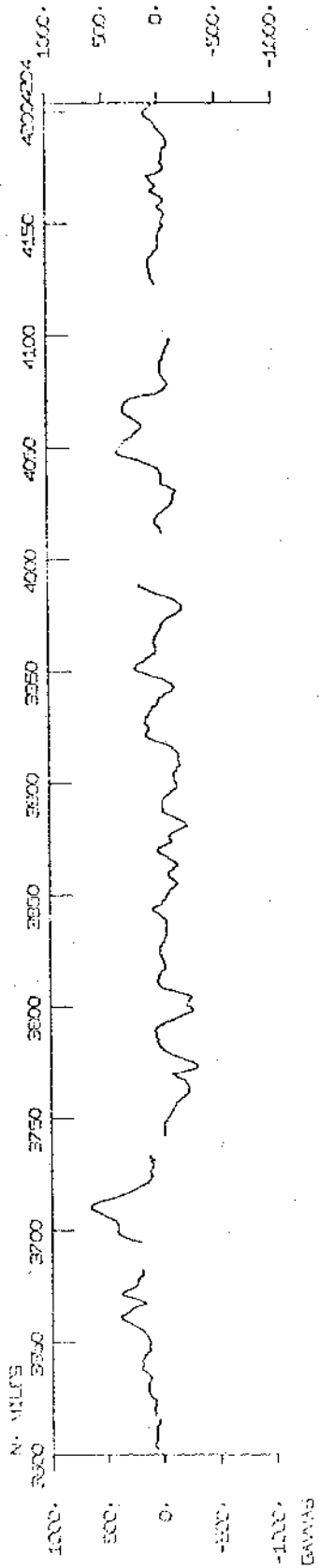
SOUTHOW LEG 11



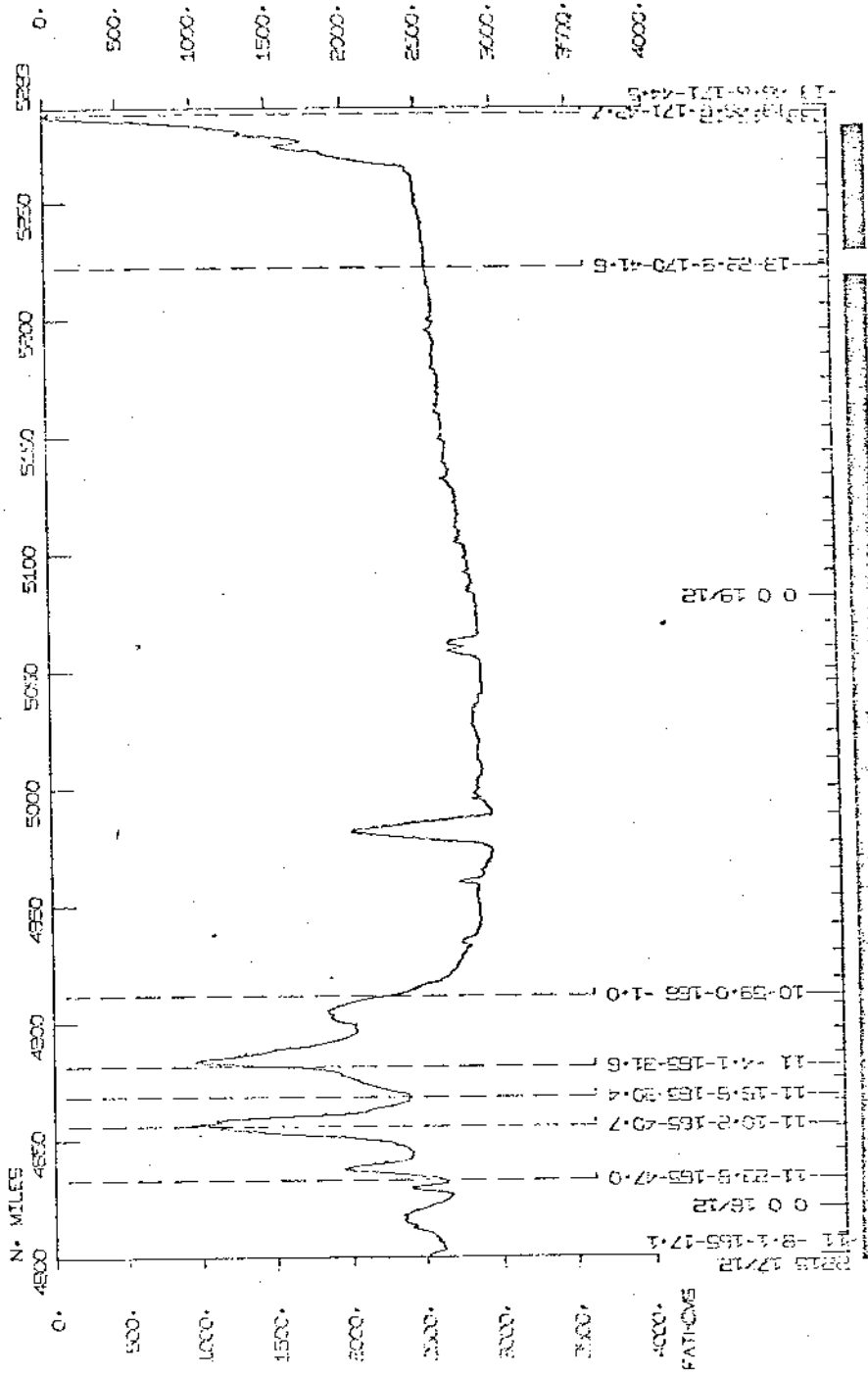
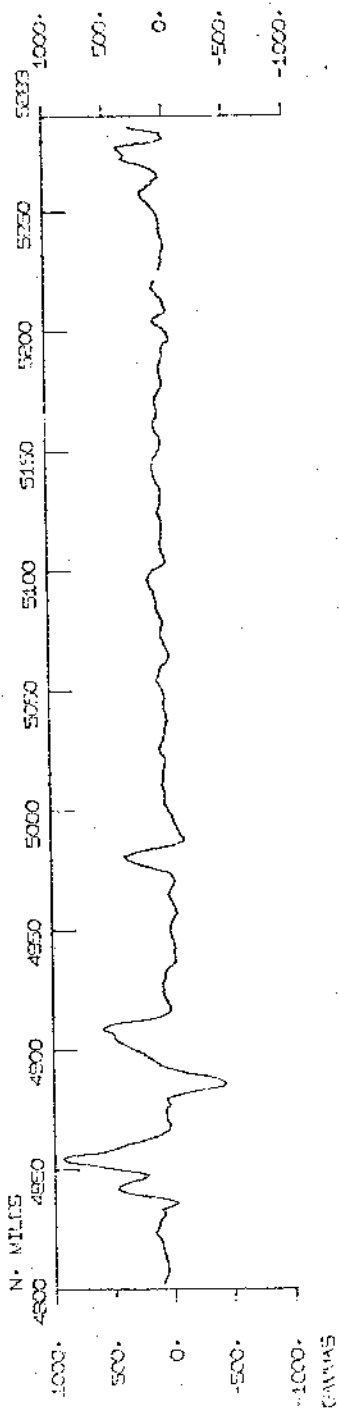
SOUTH TOW LEG 11



SOUTHFLOW LEG 11



SOLUTION LOG 11



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

44 251172 DPRT B GDR 12KHZ R11-01 GDC 14 167S 170 409W S SOTW11WT
 56 281172 DPRT E GDR 12KHZ R11-01 GDC 9 475S 164 459W S SOTW11WT

104 281172 DPRT B GDR 12KHZ R11-02 GDC 9 474S 164 460W S SOTW11WT
 336 11272 DPRT E GDR 12KHZ R11-02 GDC 8 529S 164 172W S SOTW11WT

350 11272 DPRT B GDR 12KHZ R11-03 GDC 8 522S 164 148W S SOTW11WT
 324 41272 DPRT E GDR 12KHZ R11-03 GDC 8 115S 163 487W S SOTW11WT

333 41272 DPRT B GDR 12KHZ R11-04 GDC 8 7S 163 486W S SOTW11WT
 751 71272 DPRT E GDR 12KHZ R11-04 GDC 2 290S 161 104W S SOTW11WT

801 71272 DPRT B GDR 12KHZ R11-05 GDC 2 287S 161 104W S SOTW11WT
 2055 101272 DPRT E GDR 12KHZ R11-05 GDC 1 420S 157 407W S SOTW11WT

2112 101272 DPRT B GDR 12KHZ R11-05 GDC 1 427S 157 424W S SOTW11WT
 529 141272 DPRT E GDR 12KHZ R11-05 GDC 4 152S 164 246W S SOTW11WT

542 141272 DPRT B GDR 12KHZ R11-07 GDC 4 145S 164 253W S SOTW11WT
 815 171272 DPRT E GDR 12KHZ R11-07 GDC 9 222S 163 262W S SOTW11WT

824 171272 DPRT B GDR 12KHZ R11-08 GDC 9 236S 163 291W S SOTW11WT
 2349 191272 DPRT E GDR 12KHZ R11-08 GDC 13 510S 171 440W S SOTW11WT

400 121272 NVCP B DR PLOT 11-04 GDC 3 174S 161 538W S SOTW11WT
 615 171272 NVCP E DR PLOT 11-04 GDC 9 30S 163 172W S SOTW11WT

645 171272 NVCP B DR PLOT 11-05 GDC 9 78S 163 199W S SOTW11WT
 2115 181272 NVCP E DR PLOT 11-05 GDC 11 545S 168 113W S SOTW11WT

2130 181272 NVCP B DR PLOT 11-06 GDC 11 592S 168 131W S SOTW11WT
 2300 191272 NVCP E DR PLOT 11-06 GDC 13 454S 171 407W S SOTW11WT

SEISMIC REFLECTION PROFILES ***

TIME GMT	DATE D.M.Y.	TIME TZ	SAMP LOC CODE	SAMP IDENT.	SURF. TEMP.	DISP CODE	LAT.	LONG.	CRUISE LEG-SHIP
200	251172		SPRS B	AIRGUN-RS-RL11-1	GDC 14	116S	170 289W	S SOTW11WT	
2300	191272		SPRS E	AIRGUN-RS-RL11-1	GDC 13	454S	171 407W	S SOTW11WT	
200	251172		SPRS B	AIRGUN-RS-RL11-1	GDC 14	116S	170 289W	S SOTW11WT	
2300	191272		SPRS E	AIRGUN-RS-RL11-1	GDC 13	454S	171 407W	S SOTW11WT	

*** SONOBOUOYS ***

TIME GMT	DATE D.M.Y.	TIME TZ	SAMP LOC CODE	SAMP IDENT.	SURF. TEMP.	DISP CODE	LAT.	LONG.	CRUISE LEG-SHIP
123	11272		SRAG B	SOTW-11-SB-1-WS	GDC 9	14S	164 253W	S SOTW11WT	
230	11272		SRAG E	SOTW-11-SB-1-WS	GDC 8	562S	164 279W	S SOTW11WT	
411	41272		SRAG B	SOTW-11-SB-2-WS	GDC 7	548S	163 472W	S SOTW11WT	
553	41272		SRAG E	SOTW-11-SB-2-WS	GDC 7	419S	163 444W	S SOTW11WT	
1949	181272		SRAG B	SOTW-11-SB-3-WS	GDC 11	548S	168 37W	S SOTW11WT	
2025	181272		SRAG E	SOTW-11-SB-3-WS	GDC 11	562S	168 69W	S SOTW11WT	
2038	181272		SRAG B	SOTW-11-SB-4-WS	GDC 11	567S	168 80W	S SOTW11WT	
2040	181272		SRAG E	SOTW-11-SB-4-WS	GDC 11	568S	168 81W	S SOTW11WT	
2052	181272		SRAG B	SOTW-11-SB-5-WS	GDC 11	573S	168 92W	S SOTW11WT	
2110	181272		SRAG E	SOTW-11-SB-5-WS	GDC 11	581S	168 108W	S SOTW11WT	

*** MAGNETOMETER ***

TIME GMT	DATE D.M.Y.	TIME TZ	SAMP LOC CODE	SAMP IDENT.	SURF. TEMP.	DISP CODE	LAT.	LONG.	CRUISE LEG-SHIP
201	251172		MGR B	MAGNET-ROLL11-1	GDC 14	115S	170 287W	S SOTW11WT	
1840	41272		MGR E	MAGNET-ROLL11-1	GDC 7	86S	163 405W	S SOTW11WT	
1850	41272		MGR B	MAGNET-ROLL11-2	GDC 7	97S	163 420W	S SOTW11WT	
1903	171272		MGR E	MAGNET-ROLL11-2	GDC 10	475S	164 483W	S SOTW11WT	
1914	171272		MGR B	MAGNET-ROLL11-3	GDC 10	482S	164 491W	S SOTW11WT	
2300	191272		MGR E	MAGNET-ROLL11-3	GDC 13	454S	171 407W	S SOTW11WT	

*** LOG BOOKS ***

TIME GMT	DATE D.M.Y.	TIME TZ	SAMP LOC CODE	SAMP IDENT.	SURF. TEMP.	DISP CODE	LAT.	LONG.	CRUISE LEG-SHIP
0	251172		LBUN B	UNDERWAY LOG	GDC 14	200S	170 440W	S SOTW11WT	
0	201272		LBUN E	UNDERWAY LOG	GDC 13	510S	171 400W	S SOTW11WT	

*** CORES ***

TIME GMT	DATE D.M.Y.	TIME TZ	SAMP LOC	SAMP CODE	SAMPLE IDENT.	SURF. DISP TEMP. CODE	LAT.	LONG.	CRUISE LEG-SHIP
750	291172		C	P	SOTW11-73P	3526	9 593S	164 74W	S SOTW11WT
750	291172		C	PG	NO CORE73PG	3526	9 593S	164 74W	S SOTW11WT
30	301172		C	P	SOTW11-74P	3634	10 111S	163 581W	S SOTW11WT
30	301172		C	PG	NO CORE74PG	3634	10 111S	163 581W	S SOTW11WT
336	301172		C	P	NO CORE75PG	3823	10 122S	163 580W	S SOTW11WT
336	301172		C	PG	NO CORE75PG	3823	10 122S	163 580W	S SOTW11WT
2208	61272		C	P	SOTW11-44P	5344	2 317S	161 102W	S SOTW11WT
2208	61272		C	PG	SOTW11-44PG	5344	2 317S	161 102W	S SOTW11WT
219	71272		C	P	SOTW11-85P	5357	2 312S	161 107W	S SOTW11WT
219	71272		C	PG	SOTW11-85PG	5357	2 312S	161 107W	S SOTW11WT
2144	141272		C	P	NO CORE101P	3773	4 228S	164 260W	S SOTW11WT
2144	141272		C	PG	NO CORE101PG	3773	4 228S	164 260W	S SOTW11WT
31	151272		C	P	SPTW11-102P	3705	4 242S	164 272W	S SOTW11WT
31	151272		C	PG	NO CORE102PG	3705	4 242S	164 272W	S SOTW11WT
500	151272		C	P	SOTW11-103P	3509	4 342S	164 259W	S SOTW11WT
500	151272		C	PG	NO CORE103PG	3509	4 342S	164 259W	S SOTW11WT
1511	191272		C	P	SOTW11-104P	4815	13 217S	170 407W	S SOTW11WT
1511	191272		C	PG	SOTW11-104PG	4815	13 217S	170 407W	S SOTW11WT

*** DREDGE ***

TIME GMT	DATE D.M.Y.	TIME TZ	SAMP LOC	SAMP CODE	SAMPLE IDENT.	SURF. DISP TEMP. CODE	LAT.	LONG.	CRUISE LEG-SHIP
2311	271172		D	R	B SOTW11-68D	5501	9 482S	164 446W	S SOTW11WT
2347	271172		D	R	E SOTW11-68D		9 481S	164 450W	S SOTW11WT
728	281172		D	R	B SOTW11-70D	4430	9 594S	164 131W	S SOTW11WT
828	281172		D	R	E SOTW11-70D		9 591S	164 122W	S SOTW11WT
508	21272		D	R	B SOTW11-78D	4085	8 296S	163 431W	S SOTW11WT
702	21272		D	R	E SOTW11-78D		8 412S	163 422W	S SOTW11WT
2030	31272		D	R	B SOTW11-80D	4777	7 593S	163 403W	S SOTW11WT
2122	31272		D	R	E SOTW11-80D		7 598S	163 397W	S SOTW11WT
154	131272		D	R	B SOTW11-99D	3859	4 151S	164 246W	S SOTW11WT
330	131272		D	R	E SOTW11-99D		4 146S	164 275W	S SOTW11WT
835	141272		D	R	B SOTW11-100D	3820	4 109S	164 265W	S SOTW11WT
947	141272		D	R	E SOTW11-100D		4 113S	164 281W	S SOTW11WT

*** CAMERA ***

TIME GMT	DATE D.M.Y.	TIME TZ	SAMP LOC	SAMP CODE	SAMPLE IDENT.	SURF. TEMP.	DISP CODE	LAT.	LONG.	CRUISE LEG-SHIP
920	301172			CAWS B	SOTW-11-76CA-WS	GDC 10	15S	164	113W	S SOTW11WT
1020	301172			CAWS E	SOTW-11-76CA-WS	GDC 10	16S	164	118W	S SOTW11WT

CURRENT MEASUREMENTS - CURATOR R.A. SCHWARTZLOSE (EXT 1143)

*** CURRENT MEASUREMENT ***

TIME GMT	DATE D.M.Y.	TIME TZ	SAMP LOC	SAMP CODE	SAMPLE IDENT.	SURF. TEMP.	DISP CODE	LAT.	LONG.	CRUISE LEG-SHIP
2002	271172			CMAB B	SOTW-11-67CM	RAS	9	500S	164 445W	S SOTW11WT
2316	281172			CMAB E	SOTW-11-67CM	RAS	9	498S	164 450W	S SOTW11WT
544	281172			CMAB B	SOTW-11-69CM	RAS	10	3S	164 144W	S SOTW11WT
1913	291172			CMAB E	SOTW-11-69CM	RAS	9	597S	164 142W	S SOTW11WT
2355	11272			CMAB B	SOTW-11-77CM	RAS	8	334S	163 570W	S SOTW11WT
402	31272			CMAB E	SOTW-11-77CM	RAS	8	349S	163 569W	S SOTW11WT
2121	21272			CMAB B	SOTW-11-79CM	RAS	7	598S	163 489W	S SOTW11WT
255	41272			CMAB E	SOTW-11-79CM	RAS	8	8S	163 490W	S SOTW11WT
2153	81272			CMAB B	SOTW-11-89CM	RAS	0	429S	156 96W	S SOTW11WT
755	101272			CMAB E	SOTW-11-89CM	RAS	0	381S	156 213W	S SOTW11WT
337	91272			CMAB B	SOTW-11-90CM	RAS	0	553S	156 256W	S SOTW11WT
1050	101272			CMAB E	SOTW-11-90CM	RAS	0	518S	156 429W	S SOTW11WT
28	131272			CMAB B	SOTW-11-96CM	RAS	4	147S	164 245W	S SOTW11WT
540	141272			CMAB E	SOTW-11-98CM	RAS	4	146S	164 252W	S SOTW11WT

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

SALINITY SAMPLES

TIME GMT	DATE D.M.Y.	TIME TZ	SAMP LOC	SAMP CODE	SAMPLE IDENT.	SURF. TEMP.	DISP CODE	LAT.	LONG.	CRUISE LEG-SHIP
622	251172			SSSA	69TT-SAL-11-01	DCP 13	458S	169	537W	S SOTW11WT
1205	251172			SSSA	97LL-SAL-11-02	DCP 13	104S	169	59W	S SOTW11WT
1827	251172			SSSA	038--SAL-11-03	DCP 12	310S	168	115W	S SOTW11WT
611	261172			SSSA	E47--SAL-11-04	DCP 11	239S	166	346W	S SOTW11WT
1200	261172			SSSA	61PP-SAL-11-05	DCP 10	540S	166	275W	S SOTW11WT
1800	261172			SSSA	82SS-SAL-11-06	DCP 10	218S	166	4W	S SOTW11WT
15	271172			SSSA	2RR--SAL-11-07	DCP 10	262S	165	293W	S SOTW11WT

TIME	DATE	TIME	IZ	SAMP	SURF. TEMP.	DISP	CRUISE
GMT	D.M.Y.	LOC	LOC	LOC	LOC	LOC	LEG-SHIP
1755	121272	SSSA	870D--SAL--11-64	DCP 3	596S	163 374W	S SOTW11WT
600	131272	SSSA	9FF--SAL--11-65	DCP 4	219S	164 283W	S SOTW11WT
1155	131272	SSSA	Q086--SAL--11-66	DCP 4	547S	164 171W	S SOTW11WT
1755	131272	SSSA	4H--SAL--11-67	DCP 5	173S	164 131W	S SOTW11WT
2350	131272	SSSA	70YY--SAL--11-68	DCP 5	44S	164 333W	S SOTW11WT
603	141272	SSSA	69NN--SAL--11-69	DCP 4	123S	164 242W	S SOTW11WT
1153	141272	SSSA	P92--SAL--11-70	DCP 4	53S	164 244W	S SOTW11WT
1800	141272	SSSA	045--SAL--11-71	DCP 4	108S	164 322W	S SOTW11WT
5	151272	SSSA	MM33--SAL--11-72	DCP 4	239S	164 271W	S SOTW11WT
557	151272	SSSA	28A--SAL--11-73	DCP 4	335S	164 256W	S SOTW11WT
1150	151272	SSSA	63AA--SAL--11-74	DCP 5	30S	165 161W	S SOTW11WT
1300	151272	SSSA	KK88--SAL--11-75	DCP 5	260S	165 166W	S SOTW11WT
2345	151272	SSSA	163S--SAL--11-76	DCP 5	523S	164 250W	S SOTW11WT
557	161272	SSSA	620D--SAL--11-77	DCP 6	348S	163 337W	S SOTW11WT
1152	161272	SSSA	7800--SAL--11-78	DCP 7	121S	162 451W	S SOTW11WT
1800	161272	SSSA	11MM--SAL--11-79	DCP 7	336S	162 349W	S SOTW11WT
2345	161272	SSSA	21HH--SAL--11-80	DCP 8	29S	162 379W	S SOTW11WT
600	171272	SSSA	57KK--SAL--11-81	DCP 9	7S	163 158W	S SOTW11WT
1155	171272	SSSA	3LL--SAL--11-82	DCP 9	526S	163 538W	S SOTW11WT
1800	171272	SSSA	V66--SAL--11-83	DCP 10	391S	164 392W	S SOTW11WT
2340	171272	SSSA	135S--SAL--11-84	DCP 11	158S	165 318W	S SOTW11WT
604	181272	SSSA	W3--SAL--11-85	DCP 11	39S	165 372W	S SOTW11WT
1148	181272	SSSA	34HH--SAL--11-86	DCP 11	195S	166 378W	S SOTW11WT
1800	181272	SSSA	89CC--SAL--11-87	DCP 11	465S	167 446W	S SOTW11WT
1200	191272	SSSA	82R--SAL--11-88	DCP 13	129S	170 284W	S SOTW11WT
1800	191272	SSSA	R64--SAL--11-89	DCP 13	258S	170 521W	S SOTW11WT

INVERTEBRATE BIOLOGY-CURATOR ABRAHAM FLEMINGER (EXT. 1131)

TIME	DATE	TIME	TZ	SAMP	SURF. TEMP.	DISP	CRUISE
GMT	D.M.Y.	LOC	LOC	LOC	LOC	LOC	LEG-SHIP
30	251172	SNMT	FLEMINGER 11-01	MIC 14	200S	170 440W	S SOTW11WT

NEUSTON-WATERSTRIDERS--L.C.LEWIN

20	41272	SNS	HALOBATES 11-01	LCL 8	29S	163 448W	S SOTW11WT
600	71272	SNS	HALOBATES 11-02	LCL 2	309S	161 110W	S SOTW11WT
800	121272	SNS	HALOBATES 11-03	LCL 3	265S	162 115W	S SOTW11WT

*** BATHY THERMOGRAPH ***

TIME	DATE	TIME	IZ	SAMP	SURF.	DISP	LAT.	LONG.	CRUISE
GMT	D.M.Y.	LOC	LOC	CODE	TEMP.	CODE	LAT.	LONG.	LEG-SHIP
622	251172	BTX		XBT-11-01			BTS 13 458S	169 537W	S SOTW11WT
1157	251172	BTX		XBT-11-02			BTS 13 112S	169 71W	S SOTW11WT
1827	251172	BTX		XBT-11-03			BTS 12 310S	168 115W	S SOTW11WT
611	261172	BTX		XBT-11-04			BTS 11 239S	166 346W	S SOTW11WT
1200	261172	BTX		XBT-11-05			BTS 10 540S	166 275W	S SOTW11WT
1800	261172	BTX		XBT-11-06			BTS 10 218S	166 4W	S SOTW11WT
15	271172	BTX		XBT-11-07			BTS 10 262S	165 293W	S SOTW11WT
606	271172	BTX		XBT-11-08			BTS 10 4S	165 245W	S SOTW11WT
1227	271172	BTX		XBT-11-09			BTS 10 422S	164 459W	S SOTW11WT
1800	271172	BTX		XBT-11-10			BTS 9 478S	164 444W	S SOTW11WT
559	281172	BTX		XBT-11-11			BTS 10 1S	164 138W	S SOTW11WT
1153	281172	BTX		XBT-11-12			BTS 10 61S	163 501W	S SOTW11WT
1754	281172	BTX		XBT-11-13			BTS 10 3S	164 359W	S SOTW11WT
602	291172	BTX		XBT-11-14			BTS 10 3S	164 88W	S SOTW11WT
1155	291172	BTX		XBT-11-15			BTS 9 321S	164 99W	S SOTW11WT
1813	291172	BTX		XBT-11-16			BTS 10 80S	164 104W	S SOTW11WT
603	301172	BTX		XBT-11-17			BTS 10 79S	164 101W	S SOTW11WT
1759	301172	BTX		XBT-11-18			BTS 9 195S	164 228W	S SOTW11WT
603	11272	BTX		XBT-11-19			BTS 8 453S	163 526W	S SOTW11WT
45	21272	BTX		XBT-11-20			BTS 8 333S	164 2W	S SOTW11WT
559	21272	BTX		XBT-11-21			BTS 8 412S	163 434W	S SOTW11WT
1757	21272	BTX		XBT-11-22			BTS 7 463S	163 449W	S SOTW11WT
20	31272	BTX		XBT-11-23			BTS 8 121S	163 577W	S SOTW11WT
617	31272	BTX		XBT-11-24			BTS 8 231S	164 110W	S SOTW11WT
1157	31272	BTX		XBT-11-25			BTS 7 535S	164 97W	S SOTW11WT
1750	31272	BTX		XBT-11-26			BTS 7 545S	163 355W	S SOTW11WT
2350	31272	BTX		XBT-11-27			BTS 8 22S	163 459W	S SOTW11WT
601	41272	BTX		XBT-11-28			BTS 7 406S	163 441W	S SOTW11WT
1151	41272	BTX		XBT-11-29			BTS 7 358S	163 389W	S SOTW11WT
1756	41272	BTX		XBT-11-30			BTS 7 139S	163 359W	S SOTW11WT
2350	41272	BTX		XBT-11-31			BTS 6 592S	163 593W	S SOTW11WT
600	51272	BTX		XBT-11-32			BTS 6 173S	163 166W	S SOTW11WT
1156	51272	BTX		XBT-11-33			BTS 5 355S	162 342W	S SOTW11WT
1754	51272	BTX		XBT-11-34			BTS 4 528S	161 522W	S SOTW11WT
2350	51272	BTX		XBT-11-35			BTS 4 94S	161 127W	S SOTW11WT
550	61272	BTX		XBT-11-36			BTS 4 65S	160 424W	S SOTW11WT
1151	61272	BTX		XBT-11-37			BTS 3 422S	160 212W	S SOTW11WT
1753	61272	BTX		XBT-11-38			BTS 2 523S	160 559W	S SOTW11WT
2355	61272	BTX		XBT-11-39			BTS 2 315S	161 102W	S SOTW11WT
600	71272	BTX		XBT-11-40			BTS 2 309S	161 110W	S SOTW11WT
1150	71272	BTX		XBT-11-41			BTS 2 210S	160 501W	S SOTW11WT
1800	71272	BTX		XBT-11-42			BTS 2 41S	159 567W	S SOTW11WT
0	81272	BTX		XBT-11-43			BTS 1 460S	159 73W	S SOTW11WT
600	81272	BTX		XBT-11-44			BTS 1 271S	158 148W	S SOTW11WT
1753	81272	BTX		XBT-11-45			BTS 0 540S	156 380W	S SOTW11WT
0	91272	BTX		XBT-11-46			BTS 1 42S	156 132W	S SOTW11WT
600	91272	BTX		XBT-11-47			BTS 0 470S	156 223W	S SOTW11WT
1155	91272	BTX		XBT-11-48			BTS 0 239S	156 170W	S SOTW11WT
1751	91272	BTX		XBT-11-49			BTS 0 19S	157 62W	S SOTW11WT

DATE TIME 12 24HR	D.M.Y.	LOC	LOC CODE	SAMPLE IDENT.	TEMP. CODE	LONG.	LEG-SHIP
2355	91272		BTX	XBT-11-50	BTS	0 358S 156 259W	S SOTW11WT
600	101272		BTX	XBT-11-51	BTS	0 308S 156 269W	S SOTW11WT
1158	101272		BTX	XBT-11-52	BTS	0 560S 156 377W	S SOTW11WT
1800	101272		BTX	XBT-11-53	BTS	1 280S 157 76W	S SOTW11WT
2140	101272		BTX	XBT-11-54	BTS	1 428S 157 432W	S SOTW11WT
0	111272		BTX	XBT-11-55	BTS	1 442S 157 497W	S SOTW11WT
600	111272		BTX	XBT-11-56	BTS	2 54S 158 398W	S SOTW11WT
1149	111272		BTX	XBT-11-57	BTS	2 252S 159 411W	S SOTW11WT
1754	111272		BTX	XBT-11-58	BTS	2 468S 160 433W	S SOTW11WT
2345	111272		BTX	XBT-11-59	BTS	2 586S 161 114W	S SOTW11WT
603	121272		BTX	XBT-11-60	BTS	3 243S 162 96W	S SOTW11WT
1209	121272		BTX	XBT-11-61	BTS	3 387S 162 402W	S SOTW11WT
1753	121272		BTX	XBT-11-62	BTS	3 595S 163 371W	S SOTW11WT
600	131272		BTX	XBT-11-63	BTS	4 219S 164 283W	S SOTW11WT
1154	131272		BTX	XBT-11-64	BTS	4 545S 164 170W	S SOTW11WT
1755	131272		BTX	XBT-11-65	BTS	5 173S 164 131W	S SOTW11WT
2350	131272		BTX	XBT-11-66	BTS	5 44S 164 333W	S SOTW11WT
603	141272		BTX	XBT-11-67	BTS	4 123S 164 242W	S SOTW11WT
1153	141272		BTX	XBT-11-68	BTS	4 53S 164 244W	S SOTW11WT
1754	141272		BTX	XBT-11-69	BTS	4 97S 164 319W	S SOTW11WT
1754	151272		BTX	XBT-11-70	BTS	4 239S 164 271W	S SOTW11WT
5	151272		BTX	XBT-11-71	BTS	4 335S 164 256W	S SOTW11WT
557	151272		BTX	XBT-11-72	BTS	5 30S 165 161W	S SOTW11WT
1150	151272		BTX	XBT-11-73	BTS	5 255S 165 177W	S SOTW11WT
1754	151272		BTX	XBT-11-74	BTS	5 529S 164 245W	S SOTW11WT
2350	151272		BTX	XBT-11-75	BTS	6 348S 163 337W	S SOTW11WT
557	161272		BTX	XBT-11-76	BTS	7 121S 162 451W	S SOTW11WT
1152	161272		BTX	XBT-11-77	BTS	7 370S 162 362W	S SOTW11WT
1749	161272		BTX	XBT-11-78	BTS	8 29S 162 379W	S SOTW11WT
2345	161272		BTX	XBT-11-79	BTS	9 7S 163 158W	S SOTW11WT
600	171272		BTX	XBT-11-80	BTS	9 521S 163 533W	S SOTW11WT
1151	171272		BTX	XBT-11-81	BTS	10 376S 164 376W	S SOTW11WT
1748	171272		BTX	XBT-11-82	BTS	11 158S 165 310W	S SOTW11WT
2340	171272		BTX	XBT-11-83	BTS	11 39S 165 372W	S SOTW11WT
604	181272		BTX	XBT-11-84	BTS	11 155S 166 378W	S SOTW11WT
1148	181272		BTX	XBT-11-85	BTS	11 459S 167 432W	S SOTW11WT
1752	181272		BTX	XBT-11-85	BTS	11 459S 167 432W	S SOTW11WT

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

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

TIME GMT	DATE 0.M.Y.	TIME 12 24HR	SAMP LOC CODE	SAMPLE IDENT.	SURF. TEMP. CODE	DISP	LAT.	LONG.	CRUISE LEG-SHIP
606	251172		ASNU	AEROSOL 11-01			AWH 13 470S	169 554W	S SOTW11WT
1218	251172		ASNU	AEROSOL 11-02			AWH 13 90S	169 40W	S SOTW11WT
1747	251172		ASNU	AEROSOL 11-03			AWH 12 350S	160 172W	S SOTW11WT
609	261172		ASNU	AEROSOL 11-04			AWH 11 249S	166 362W	S SOTW11WT
1200	261172		ASNU	AEROSOL 11-05			AWH 10 540S	166 275W	S SOTW11WT
1800	261172		ASNU	AEROSOL 11-06			AWH 10 218S	166 6W	S SOTW11WT
6	271172		ASNU	AEROSOL 11-07			AWH 10 277S	165 290W	S SOTW11WT
558	271172		ASNU	AEROSOL 11-08			AWH 9 594S	165 254W	S SOTW11WT
1205	271172		ASNU	AEROSOL 11-09			AWH 10 460S	164 460W	S SOTW11WT

TIME	DATE	TIME	SAMP		SAMPLE	IDENT.	SURF. DISP	TEMP.	LONG.	CRUISE	LEG-SHIP	
	D.M.Y.	LOC	LOC	CODE			CODE					
1800	271172		ASNU		AEROSOL	11-10	AWH	9	4 78S	164 444W	S	SOTW11WT
554	281172		ASNU		AEROSOL	11-11	AWH	10	2S	164 141W	S	SOTW11WT
1210	281172		ASNU		AEROSOL	11-12	AWH	10	78S	163 524W	S	SOTW11WT
1756	281172		ASNU		AEROSOL	11-13	AWH	10	3S	164 359W	S	SOTW11WT
550	291172		ASNU		AEROSOL	11-14	AWH	10	5S	164 88K	S	SOTW11WT
1224	291172		ASNU		AEROSOL	11-15	AWH	9	294S	164 125W	S	SOTW11WT
1800	291172		ASNU		AEROSOL	11-16	AWH	10	76S	164 103W	S	SOTW11WT
558	301172		ASNU		AEROSOL	11-17	AWH	10	82S	164 92W	S	SOTW11WT
1226	301172		ASNU		AEROSOL	11-18	AWH	9	565S	164 127W	S	SOTW11WT
1800	301172		ASNU		AEROSOL	11-19	AWH	9	197S	164 229W	S	SOTW11WT
603	11272		ASNU		AEROSOL	11-20	AWH	8	453S	163 526W	S	SOTW11WT
1210	11272		ASNU		AEROSOL	11-21	AWH	8	204S	163 511W	S	SOTW11WT
1737	11272		ASNU		AEROSOL	11-22	AWH	8	404S	164 397W	S	SOTW11WT
45	21272		ASNU		AEROSOL	11-23	AWH	8	333S	164 2W	S	SOTW11WT
555	21272		ASNU		AEROSOL	11-24	AWH	8	411S	163 435W	S	SOTW11WT
1210	21272		ASNU		AEROSOL	11-25	AWH	8	59S	163 487W	S	SOTW11WT
1737	21272		ASNU		AEROSOL	11-26	AWH	7	457S	163 411W	S	SOTW11WT
15	31272		ASNU		AEROSOL	11-27	AWH	8	125S	163 569W	S	SOTW11WT
606	31272		ASNU		AEROSOL	11-28	AWH	8	241S	164 96W	S	SOTW11WT
1154	31272		ASNU		AEROSOL	11-29	AWH	7	540S	164 99W	S	SOTW11WT
1737	31272		ASNU		AEROSOL	11-30	AWH	7	521S	163 353W	S	SOTW11WT
2350	31272		ASNU		AEROSOL	11-31	AWH	8	22S	163 459W	S	SOTW11WT
555	41272		ASNU		AEROSOL	11-32	AWH	7	415S	163 443W	S	SOTW11WT
1210	41272		ASNU		AEROSOL	11-33	AWH	7	359S	163 423W	S	SOTW11WT
1745	41272		ASNU		AEROSOL	11-34	AWH	7	154S	163 347W	S	SOTW11WT
2350	41272		ASNU		AEROSOL	11-35	AWH	6	592S	163 593W	S	SOTW11WT
555	51272		ASNU		AEROSOL	11-36	AWH	6	178S	163 171W	S	SOTW11WT
1215	51272		ASNU		AEROSOL	11-37	AWH	5	332S	162 320W	S	SOTW11WT
1745	51272		ASNU		AEROSOL	11-38	AWH	4	539S	161 532W	S	SOTW11WT
557	61272		ASNU		AEROSOL	11-39	AWH	4	54S	160 422W	S	SOTW11WT
1203	61272		ASNU		AEROSOL	11-40	AWH	3	405S	160 223W	S	SOTW11WT
1745	61272		ASNU		AEROSOL	11-41	AWH	2	534S	160 551W	S	SOTW11WT
2340	61272		ASNU		AEROSOL	11-42	AWH	2	316S	161 101W	S	SOTW11WT
1155	71272		ASNU		AEROSOL	11-43	AWH	2	208S	160 493W	S	SOTW11WT
1740	71272		ASNU		AEROSOL	11-44	AWH	2	51S	159 593W	S	SOTW11WT
0	81272		ASNU		AEROSOL	11-45	AWH	1	460S	159 73W	S	SOTW11WT
1203	81272		ASNU		AEROSOL	11-46	AWH	1	108S	157 258W	S	SOTW11WT
1740	81272		ASNU		AEROSOL	11-47	AWH	0	547S	156 398W	S	SOTW11WT
0	91272		ASNU		AEROSOL	11-48	AWH	1	42S	156 132W	S	SOTW11WT
553	91272		ASNU		AEROSOL	11-49	AWH	0	474S	156 224W	S	SOTW11WT
1211	91272		ASNU		AEROSOL	11-50	AWH	0	222S	156 198W	S	SOTW11WT
1743	91272		ASNU		AEROSOL	11-51	AWH	0	6S	157 71W	S	SOTW11WT
2350	91272		ASNU		AEROSOL	11-52	AWH	0	353S	156 265W	S	SOTW11WT
600	101272		ASNU		AEROSOL	11-53	AWH	0	308S	156 269W	S	SOTW11WT
1709	101272		ASNU		AEROSOL	11-54	AWH	0	578S	156 38W	S	SOTW11WT
1743	101272		ASNU		AEROSOL	11-55	AWH	1	269S	157 42W	S	SOTW11WT
2145	111272		ASNU		AEROSOL	11-56	AWH	2	594S	161 131W	S	SOTW11WT
600	111272		ASNU		AEROSOL	11-57	AWH	2	54S	158 398W	S	SOTW11WT
1210	111272		ASNU		AEROSOL	11-58	AWH	2	264S	159 448W	S	SOTW11WT
1745	111272		ASNU		AEROSOL	11-59	AWH	2	462S	160 418W	S	SOTW11WT
2340	111272		ASNU		AEROSOL	11-60	AWH	2	582S	161 105W	S	SOTW11WT
557	121272		ASNU		AEROSOL	11-61	AWH	3	241S	162 98W	S	SOTW11WT
1218	121272		ASNU		AEROSOL	11-62	AWH	3	392S	162 417W	S	SOTW11WT
1745	121272		ASNU		AEROSOL	11-63	AWH	3	590S	163 358W	S	SOTW11WT
556	131272		ASNU		AEROSOL	11-64	AWH	4	215S	164 288W	S	SOTW11WT
1208	131272		ASNU		AEROSOL	11-65	AWH	4	563S	164 190W	S	SOTW11WT

DATE TIME TZ SAMP SURF. DISP CRUISE
 D.M.Y. LOC LOC CODE TEMP. CODE LEG-SHIP

TIME	DATE	TIME	TZ	SAMP	SURF.	DISP	CRUISE
GMT	D.M.Y.	LOC	LOC	CODE	TEMP.	CODE	LEG-SHIP
1745	131272	ASNU	AEROSOL	11-66	AWH	5	161S 164 119W S SOTW11WT
2345	131272	ASNU	AEROSOL	11-67	AWH	5	52S 164 234W S SOTW11WT
600	141272	ASNU	AEROSOL	11-68	AWH	4	126S 164 240W S SOTW11WT
1207	141272	ASNU	AEROSOL	11-69	AWH	4	53S 164 270W S SOTW11WT
1745	141272	ASNU	AEROSOL	11-70	AWH	4	81S 164 316W S SOTW11WT
0	151272	ASNU	AEROSOL	11-71	AWH	4	239S 164 271W S SOTW11WT
547	151272	ASNU	AEROSOL	11-72	AWH	4	337S 164 256W S SOTW11WT
1205	151272	ASNU	AEROSOL	11-73	AWH	5	44S 165 182W S SOTW11WT
1745	151272	ASNU	AEROSOL	11-74	AWH	5	256S 165 192W S SOTW11WT
2340	151272	ASNU	AEROSOL	11-75	AWH	5	517S 164 256W S SOTW11WT
591	161272	ASNU	AEROSOL	11-76	AWH	5	341S 163 346W S SOTW11WT
1205	161272	ASNU	AEROSOL	11-77	AWH	7	135S 162 434W S SOTW11WT
1745	161272	ASNU	AEROSOL	11-78	AWH	7	365S 162 366W S SOTW11WT
600	171272	ASNU	AEROSOL	11-79	AWH	9	7S 163 158W S SOTW11WT
1205	171272	ASNU	AEROSOL	11-80	AWH	9	539S 163 551W S SOTW11WT
1745	171272	ASNU	AEROSOL	11-81	AWH	10	372S 164 372W S SOTW11WT
1805	171272	ASNU	AEROSOL	11-82	AWH	10	397S 164 399W S SOTW11WT
2340	171272	ASNU	AEROSOL	11-83	AWH	11	158S 165 318W S SOTW11WT
557	181272	ASNU	AEROSOL	11-84	AWH	11	41S 165 359W S SOTW11WT
1208	181272	ASNU	AEROSOL	11-85	AWH	11	172S 166 414W S SOTW11WT
1740	181272	ASNU	AEROSOL	11-86	AWH	11	449S 167 410W S SOTW11WT
1200	191272	ASNU	AEROSOL	11-87	AWH	13	129S 170 284W S SOTW11WT
1800	191272	ASNU	AEROSOL	11-88	AWH	13	258S 170 521W S SOTW11WT

BONGO TOWS - R.G. DOUGLAS CASE WESTERN UNIVERSITY

TIME	DATE	TIME	TZ	SAMP	SURF.	DISP	CRUISE
GMT	D.M.Y.	LOC	LOC	CODE	TEMP.	CODE	LEG-SHIP
2005	261172	CN8G	B	SOTW-11-71CN-BG	RGD	9	502S 164 433W S SOTW11WT
2042	261172	CN8G	E	SOTW-11-71CN-BG	RGD	9	499S 164 421W S SOTW11WT
15	41272	CN8G	B	SOTW-11-81CN-BG	RGD	8	28S 163 450W S SOTW11WT
52	41272	CN8G	E	SOTW-11-81CN-BG	RGD	8	38S 163 435W S SOTW11WT
119	41272	CN8G	B	SOTW-11-82CN-BG	RGD	8	42S 163 435W S SOTW11WT
146	41272	CN8G	E	SOTW-11-82CN-BG	RGD	8	36S 162 439W S SOTW11WT
550	71272	CN8G	B	SOTW-11-87CN-BG	RGD	2	310S 161 112W S SOTW11WT
640	71272	CN8G	E	SOTW-11-87CN-BG	RGD	2	305S 161 105W S SOTW11WT
745	71272	CN8G	B	SOTW-11-88CN-BG	RGD	2	291S 161 104W S SOTW11WT
622	71272	CN8G	E	SOTW-11-88CN-BG	RGD	2	283S 161 103W S SOTW11WT
2215	101272	CN8G	B	SOTW-11-92CN-BG	RGD	1	493S 157 450W S SOTW11WT
2252	101272	CN8G	E	SOTW-11-92CN-BG	RGD	1	440S 157 471W S SOTW11WT
2311	101272	CN8G	B	SOTW-11-93CN-BG	RGD	1	440S 157 478W S SOTW11WT
2348	101272	CN8G	E	SOTW-11-93CN-BG	RGD	1	441S 157 492W S SOTW11WT
1935	111272	CN8G	B	SOTW-11-94CN-BG	RGD	2	518S 160 551W S SOTW11WT
2138	111272	CN8G	E	SOTW-11-94CN-BG	RGD	2	504S 160 524W S SOTW11WT

DATE TIME 12 300P
 D.M.Y. LCC LOC CODE SAMPLE IDENT. TEMP. CODE LONG. LCC-SHIP

608	121272	CN8G B	SOTW-11-95CN-BG	RGD 3	244S	162	97W	S	SOTW11WT
645	121272	CN8G E	SOTW-11-95CN-BG	RGD 3	250S	162	116W	S	SOTW11WT
755	121272	CN8G B	SOTW-11-96CN-BG	RGD 3	264S	162	112W	S	SOTW11WT
832	121272	CN8G E	SOTW-11-96CN-BG	RGD 3	273S	162	134W	S	SOTW11WT

HYDROCASTS - R.G. DOUGLAS CSAE WESTERN UNIVERSITY

2110	281172	HCNA	SOTW-11-72HC NA	RGD 9	490S	164	414W	S	SOTW11WT
2110	281172	HCNA	SOTW-11-83HC NA	RGD 9	490S	164	414W	S	SOTW11WT
515	711172	HCNA	SOTW-11-86HC NA	RGD 2	318S	161	97W	S	SOTW11WT
2140	101172	HCNA	SOTW-11-91HC NA	RGD 1	423S	157	460W	S	SOTW11WT
845	121172	HCNA	SOTW-11-97HC NA	RGD 3	279S	162	145W	S	SOTW11WT

99
 // END OF ALL JOBS 24 JAN 73 16.370 HRS
 END SAMPLE INDEX