

PRELIMINARY REPORT AND INDEX
OF
NAVIGATION, DEPTH, MAGNETIC AND SUBBOTTOM PROFILER DATA
SOUTHTOW EXPEDITION

LEG 2

R/V WASHINGTON

Papeete, Tahiti (15 February 1972)

To

Valparaiso, Chile (21 March 1972)

Chief Scientist, Leg 2 - J. Mudie

Cruise Coordinator - J. Mudie

Airgun Tech. - D. McKinney

Computer Tech. - W. Hilton

Resident Marine Tech. - P. Liebertz

Data Processed by - K. Klitgord, P. Larson, U. Ritter

Geological Data Center

T. E. Chase - Curator

S. M. Smith - Data Processing Coordinator

Scripps Institution of Oceanography

La Jolla, California

12 May 1972

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

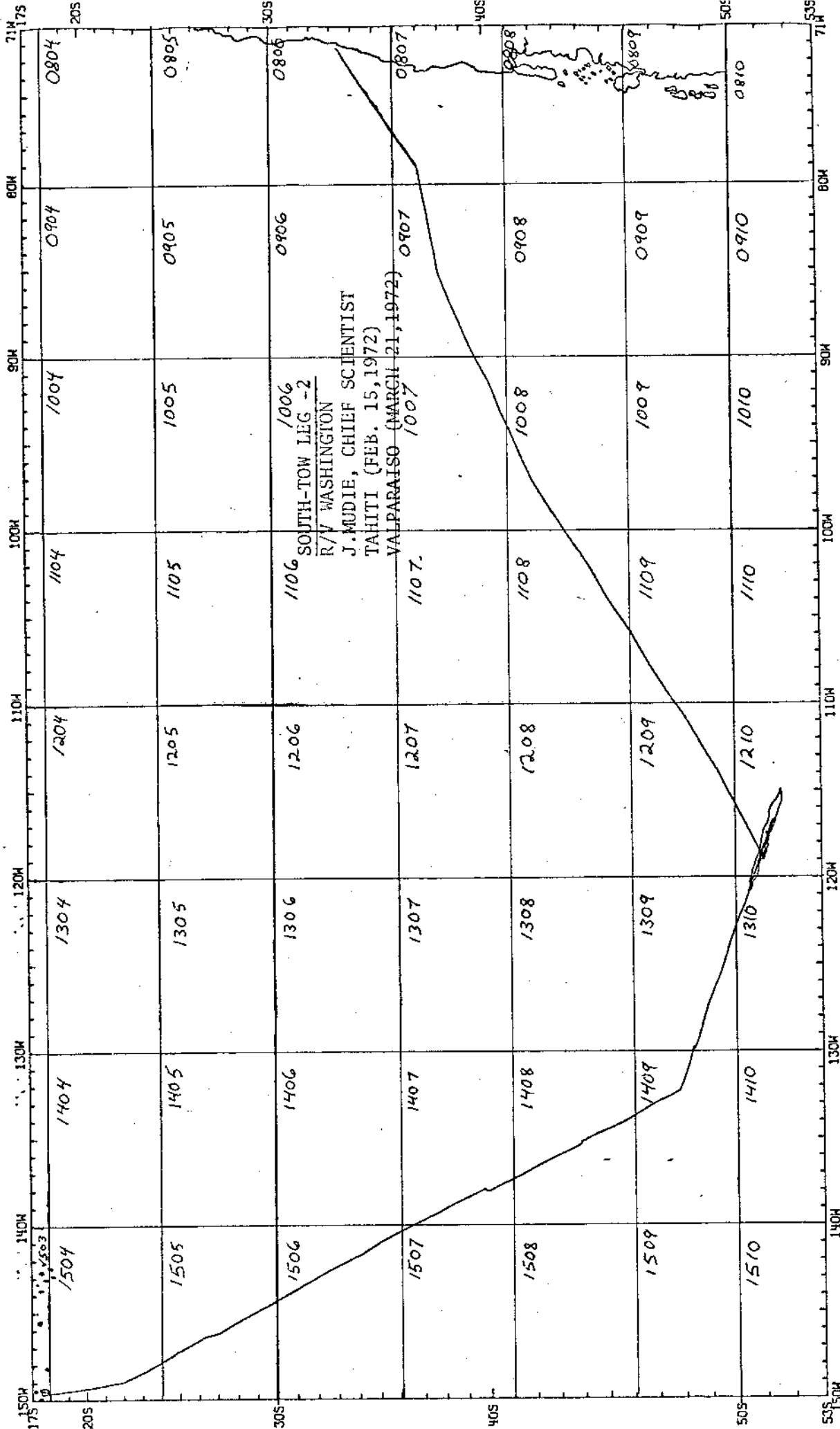
Contents:

- Index Chart - gives track of cruise leg and boundaries of depth compilation plots (see below).
- Track Charts - annotated with dates (month/day) 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. *

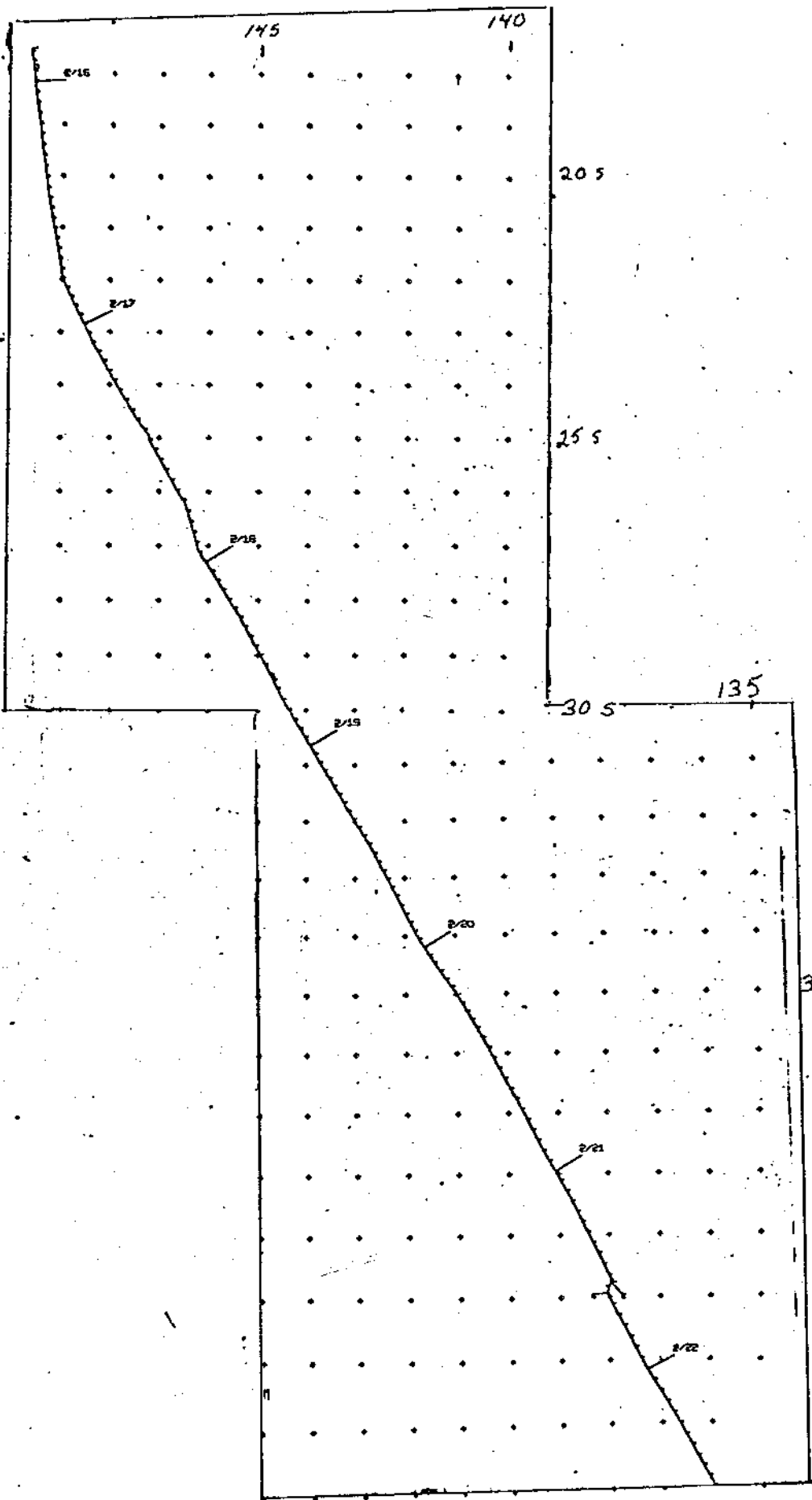
For information on the availability and reproduction costs of data in the following forms, contact T.E. Chase, Curator, Geological Data Center, Scripps Institution of Oceanography, La Jolla, California 92037 (714-453-2000, ext. 1534):

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 = 5000 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

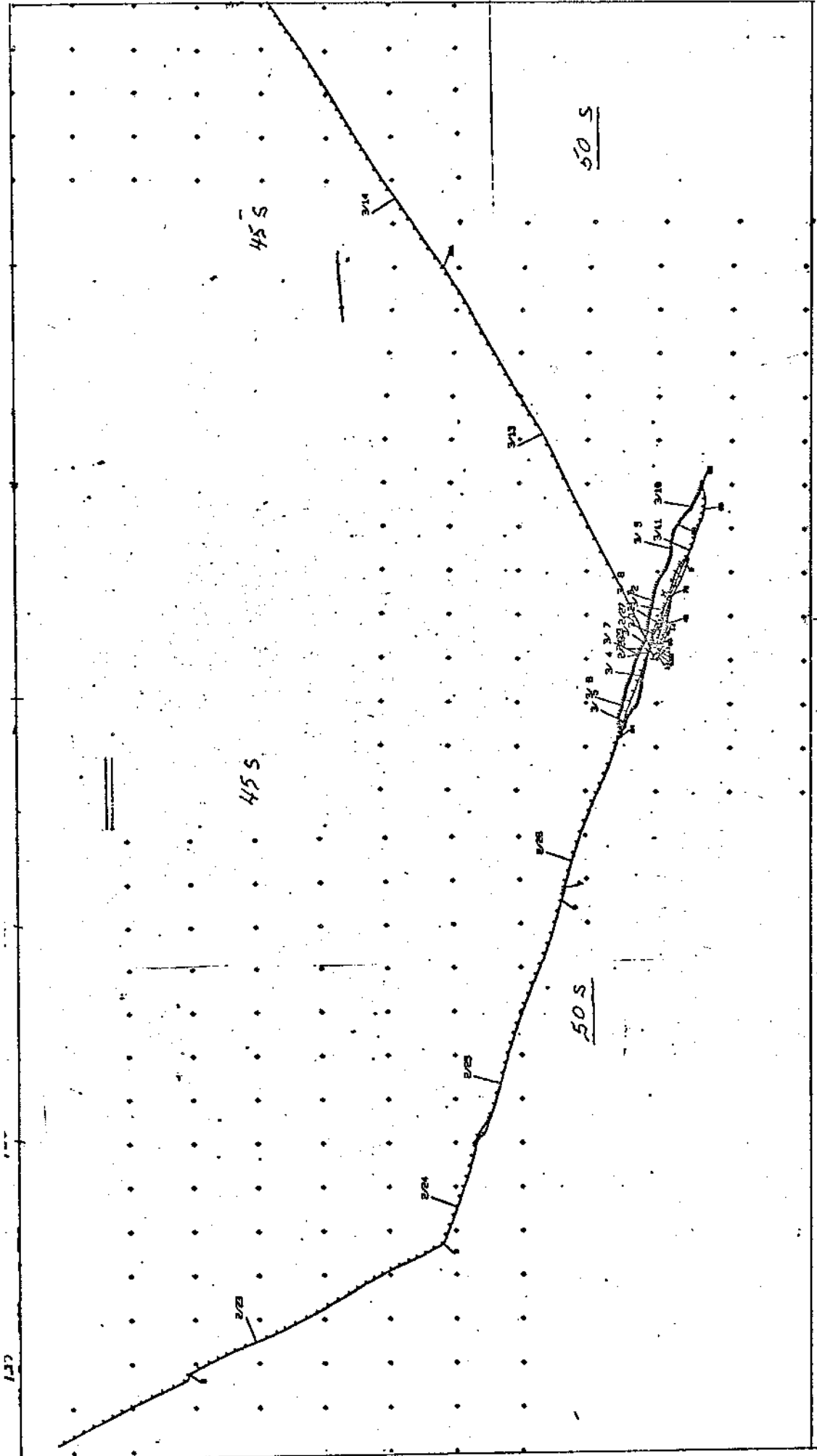
* Profiles for Southtow - Leg 2 are being published separately as part of MPL-U-36/72



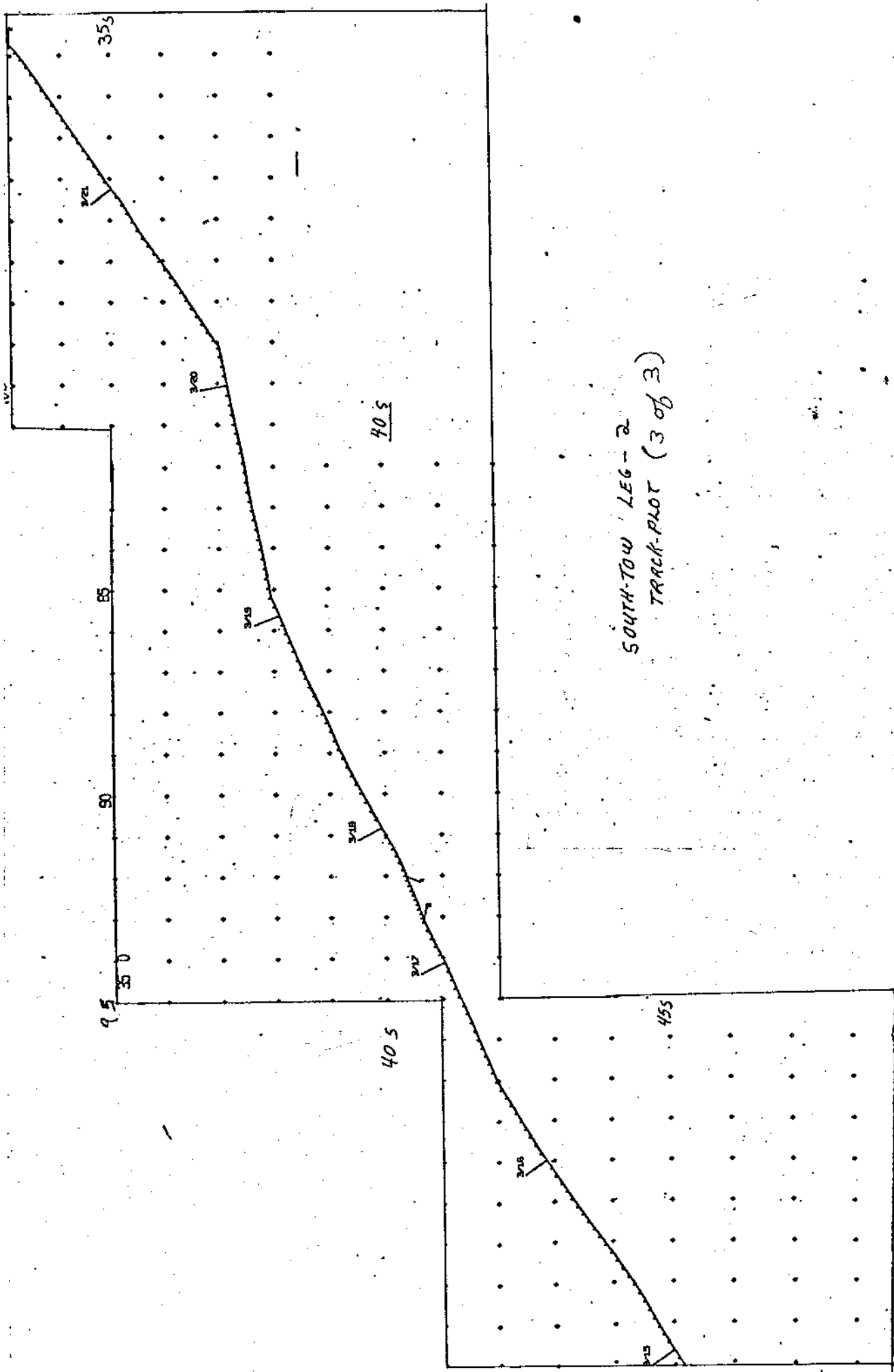
SOUTH-TOW LEG 2



SOUTH-TOW LEG-2
 TRACK PLOT (1 of 3)



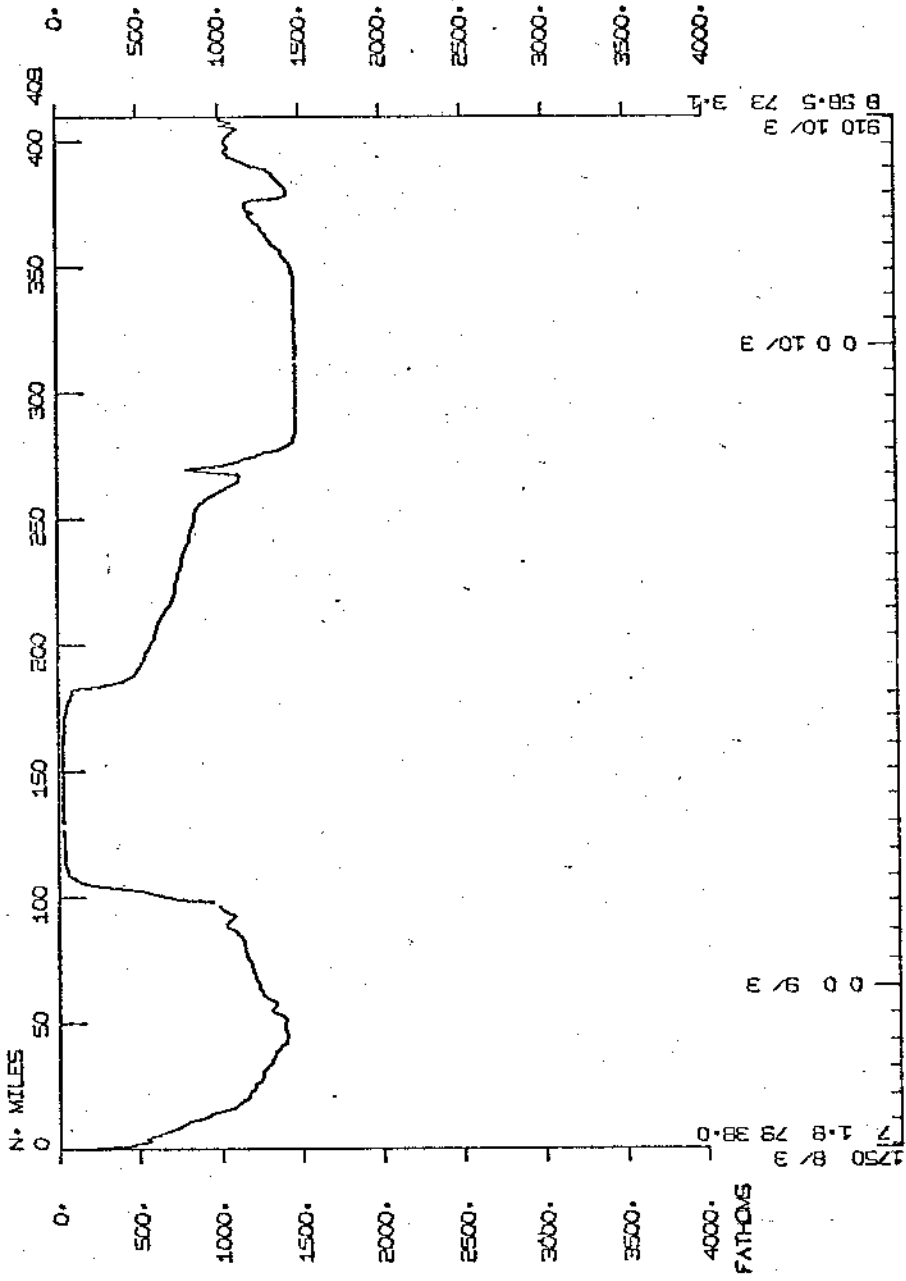
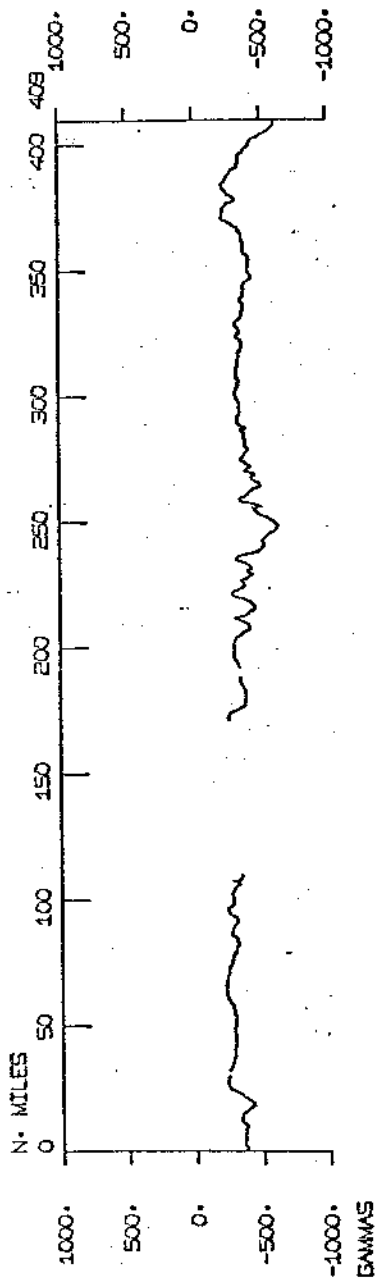
SOUTH-TOW LEG-2
 TRACK PLOT (2 of 3)



SOUTH-TOW LEG - 2
TRACK-PLOT (3 of 3)

Sample of Depth-Magnetic Anomaly Profile vs. Distance

G. CHALLENGER-23



Black line indicates operation of seismic reflection profiler.

LISTED 22 MAY 1972

DEPART PAPEETE, TAHITI 15 FEBRUARY 1972
ARRIVE VALPARAISO, CHILE 21 MARCH 1972

*** PERSONNEL ***

PECS	J.D. MUDIE	SOTW02WT
PERT	P. LIEBERTZ	SOTW02WT
PECT	W. HILTON	SOTW02WT
PEAT	D. MCKINNEY	SOTW02WT
PE	M. RACCINI	SOTW02WT
PE	M. BENSON	SOTW02WT
PE	J. DONOVAN	SOTW02WT
PE	J. GROW	SOTW02WT
PE	J. KEHLER	SOTW02WT
PE	K. KLITGARD	SOTW02WT
PE	W. KOSTRA	SOTW02WT
PE	P. LARSON	SOTW02WT
PE	J. WATHER	SOTW02WT
PE	G. MILLER	SOTW02WT
PE	P. SOBEL	SOTW02WT

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

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

*** NAVIGATION PLOTS ***

TIME GMT	DATE D.M.Y.	TIME TZ	SAMP LUC	SAMP LUC	IDENT.	SEQ. NUM.	DISP CODE	LAT.	LONG.	CRUISE LEG-SHIP
15 272	955	100	NVRP	B	BRIDGE PLOT 2-01	0	GDC	17 337S	149 337W	S SOTW02MT
17 272	1600	100	NVRP	E	BRIDGE PLOT 2-01	0	GDC	27 384S	145 487W	S SUTW02MT
17 272	1600	100	NVRP	B	BRIDGE PLOT 2-02	0	GDC	27 384S	145 487W	S SOTW02MT
18 272	38	100	NVRP	E	BRIDGE PLOT 2-02	0	GDC	29 66S	144 531W	S SUTW02MT
18 272	38	100	NVRP	B	BRIDGE PLOT 2-03	0	GDC	29 66S	144 531W	S SOTW02MT
20 272	2220	90	NVRP	E	BRIDGE PLOT 2-03	0	GDC	39 112S	138 172W	S SUTW02MT
20 272	2220	90	NVRP	B	BRIDGE PLOT 2-04	0	GDC	39 112S	138 172W	S SOTW02MT
21 272	1224	90	NVRP	E	BRIDGE PLOT 2-04	0	GDC	40 424S	137 321W	S SUTW02MT
21 272	1224	90	NVRP	B	BRIDGE PLOT 2-05	0	GDC	40 424S	137 321W	S SOTW02MT
22 272	1428	90	NVRP	E	BRIDGE PLOT 2-05	0	GDC	44 515S	134 332W	S SUTW02MT
22 272	1428	90	NVRP	B	BRIDGE PLOT 2-06	0	GDC	44 515S	134 332W	S SOTW02MT
25 272	256	90	NVRP	E	BRIDGE PLOT 2-06	0	GDC	49 174S	125 580W	S SUTW02MT
25 272	256	90	NVRP	B	BRIDGE PLOT 2-07	0	GDC	49 174S	125 580W	S SOTW02MT
27 272	1200	80	NVRP	E	BRIDGE PLOT 2-07	0	GDC	51 21S	118 510W	S SUTW02MT
27 272	1200	80	NVRP	B	BRIDGE PLOT 2-08	0	GDC	51 21S	118 510W	S SOTW02MT
29 272	0	80	NVRP	E	BRIDGE PLOT 2-08	0	GDC	50 571S	118 492W	S SUTW02MT
29 272	0	80	NVRP	B	BRIDGE PLOT 2-09	0	GDC	50 571S	118 492W	S SOTW02MT
10 372	432	80	NVRP	E	BRIDGE PLOT 2-09	0	GDC	51 366S	114 584W	S SUTW02MT
10 372	432	80	NVRP	B	BRIDGE PLOT 2-10	0	GDC	51 366S	114 584W	S SOTW02MT
12 372	1402	80	NVRP	E	BRIDGE PLOT 2-10	0	GDC	49 297S	114 209W	S SUTW02MT
12 372	1402	80	NVRP	B	BRIDGE PLOT 2-11	0	GDC	49 297S	114 209W	S SOTW02MT
14 372	1408	70	NVRP	E	BRIDGE PLOT 2-11	0	GDC	45 136S	104 170W	S SUTW02MT
14 372	1408	70	NVRP	B	BRIDGE PLOT 2-12	0	GDC	45 136S	104 170W	S SOTW02MT
16 372	1650	70	NVRP	E	BRIDGE PLOT 2-12	0	GDC	41 30S	94 91W	S SUTW02MT
16 372	1650	70	NVRP	B	BRIDGE PLOT 2-13	0	GDC	41 30S	94 91W	S SOTW02MT
20 372	1600	50	NVRP	E	BRIDGE PLOT 2-13	0	GDC	35 209S	75 508W	S SUTW02MT
20 372	1600	50	NVRP	B	BRIDGE PLOT 2-14	0	GDC	35 209S	75 508W	S SOTW02MT
21 372	1520	40	NVRP	E	BRIDGE PLOT 2-14	0	GDC	32 591S	71 441W	S SUTW02MT

TIME GMT	DATE D.M.Y.	TIME TZ	SAMP LUC LOC CODE	SAMPLE IDENT.	SEQ. NUM.	DISP CODE	LAT.	LONG.	CRUISE LEG-SHIP
1950	15	272	DPRT B	GDR 12KHZ-ROLL 1	0	GDC	32 590S	71 440W	S SOTW02MT
1022	17	272	DPRT E	GDR 12KHZ-ROLL 1	0	GDC	24 443S	147 231W	S SOTW02MT
1030	17	272	DPRT B	GDR 12KHZ-ROLL 2	0	GDC	24 457S	147 220W	S SOTW02MT
42	20	272	DPRT E	GDR 12KHZ-ROLL 2	0	GDC	34 174S	141 324W	S SOTW02MT
45	20	272	DPRT B	GDR 12KHZ-ROLL 3	0	GDC	34 178S	141 321W	S SOTW02MT
1225	23	272	DPRT E	GDR 12KHZ-ROLL 3	0	GDC	46 492S	133 24W	S SOTW02MT
1305	23	272	DPRT B	GDR 12KHZ-ROLL 4	0	GDC	46 542S	132 583W	S SOTW02MT
636	26	272	DPRT E	GDR 12KHZ-ROLL 4	0	GDC	50 85S	122 80W	S SOTW02MT
638	26	272	DPRT B	GDR 12KHZ-ROLL 5	0	GDC	50 86S	122 75W	S SOTW02MT
1907	27	272	DPRT E	GDR-12KHZ-ROLL 5	0	GDC	50 579S	118 600W	S SOTW02MT
1915	27	272	DPRT B	GDR-12KHZ-ROLL 6	0	GDC	50 591S	118 599W	S SOTW02MT
224	1	372	DPRT E	GDR-12KHZ-ROLL 6	0	GDC	50 559S	119 8W	S SOTW02MT
225	1	372	DPRT B	GDR-12KHZ-ROLL 7	0	GDC	50 559S	119 8W	S SOTW02MT
2050	2	372	DPRT E	GDR-12KHZ-ROLL 7	0	GDC	51 48S	118 37W	S SOTW02MT
2055	2	372	DPRT B	GDR-12KHZ-ROLL 8	0	GDC	51 48S	118 40W	S SOTW02MT
617	4	372	DPRT E	GDR-12KHZ-ROLL 8	0	GDC	50 480S	119 398W	S SOTW02MT
619	4	372	DPRT B	GDR-12KHZ-ROLL 9	0	GDC	50 480S	119 400W	S SOTW02MT
2110	5	372	DPRT E	GDR-12KHZ-ROLL 9	0	GDC	50 305S	120 112W	S SOTW02MT
2116	5	372	DPRT B	GDR-12KHZ-ROLL 10	0	GDC	50 306S	120 108W	S SOTW02MT
850	7	372	DPRT E	GDR-12KHZ-ROLL 10	0	GDC	50 515S	118 294W	S SOTW02MT
835	7	372	DPRT B	GDR-12KHZ-ROLL 11	0	GDC	50 516S	118 291W	S SOTW02MT
432	9	372	DPRT E	GDR-12KHZ-ROLL 11	0	GDC	51 124S	116 149W	S SOTW02MT
441	9	372	DPRT B	GDR-12KHZ-ROLL 12	0	GDC	51 125S	116 145W	S SOTW02MT
2323	10	372	DPRT E	GDR-12KHZ-ROLL 12	0	GDC	51 280S	116 255W	S SOTW02MT
2325	10	372	DPRT B	GDR-12KHZ-ROLL 13	0	GDC	51 280S	116 257W	S SOTW02MT
1250	12	372	DPRT E	GDR-12KHZ-ROLL 13	0	GDC	50 147S	116 524W	S SOTW02MT
1255	12	372	DPRT B	GDR-12KHZ-ROLL 14	0	GDC	50 192S	116 510W	S SOTW02MT
152	14	372	DPRT E	GDR-12KHZ-ROLL 14	0	GDC	46 521S	108 2W	S SOTW02MT
157	14	372	DPRT B	GDR-12KHZ-ROLL 15	0	GDC	46 516S	107 591W	S SOTW02MT
1201	16	372	DPRT E	GDR-12KHZ-ROLL 15	0	GDC	41 505S	96 349W	S SOTW02MT
1203	16	372	DPRT B	GDR-12KHZ-ROLL 16	0	GDC	41 504S	96 345W	S SOTW02MT
546	19	372	DPRT E	GDR-12KHZ-ROLL 16	0	GDC	37 502S	84 194W	S SOTW02MT
606	19	372	DPRT B	GDR-12KHZ-ROLL 17	0	GDC	37 494S	84 145W	S SOTW02MT
1945	20	372	DPRT E	GDR-12KHZ-ROLL 17	0	GDC	35 283S	76 63W	S SOTW02MT
2000	20	372	DPRT B	GDR-12KHZ-ROLL 18	0	GDC	35 268S	76 33W	S SOTW02MT
2027	21	372	DPRT E	GDR-12KHZ-ROLL 18	0	GDC	32 590S	171 440W	S SOTW02MT

***BATHYGRAMS ***

GAT TIME	D.M.Y. DATE	LOC TIME	LOC TZ	LOC SAMP	GUIDE	SAMPLE IDENT.	NUM. SEQ.	CODE DISP	LAT.	LONG.	LEG-SHIP CRUISE
1945	15	272		UPR3	H	GDR3.5KHZ-RULL	1	0	GDC 17 340S	149 330W	S SUTW02MT
1244	17	272		UPR3	E	GDR3.5KHZ-RULL	1	0	GDC 25 106S	147 73W	S SUTW02MT
1246	17	272		UPR3	H	GDR3.5KHZ-RULL	2	0	GDC 25 110S	147 70W	S SUTW02MT
430	20	272		UPR3	E	GDR3.5KHZ-RULL	2	0	GDC 34 490S	141 74W	S SUTW02MT
440	20	272		UPR3	H	GDR3.5KHZ-RULL	3	0	GDC 34 503S	141 63W	S SUTW02MT
400	22	272		UPR3	E	GDR3.5KHZ-RULL	3	0	GDC 41 508S	136 449W	S SUTW02MT
400	22	272		UPR3	H	GDR3.5KHZ-RULL	4	0	GDC 41 508S	136 449W	S SUTW02MT
1720	24	272		UPR3	E	GDR3.5KHZ-RULL	4	0	GDC 48 234S	129 513W	S SUTW02MT
1745	24	272		UPR3	H	GDR3.5KHZ-RULL	5	0	GDC 48 237S	129 508W	S SUTW02MT
1640	27	272		UPR3	E	GDR3.5KHZ-RULL	5	0	GDC 51 20S	118 256W	S SUTW02MT
1700	27	272		UPR3	H	GDR3.5KHZ-RULL	6	0	GDC 51 12S	118 306W	S SUTW02MT
1219	1	372		UPR3	E	GDR3.5KHZ-RULL	6	0	GDC 51 42S	118 318W	S SUTW02MT
1225	1	372		UPR3	H	GDR3.5KHZ-RULL	7	0	GDC 51 43S	118 315W	S SUTW02MT
407	3	372		UPR3	E	GDR3.5KHZ-RULL	7	0	GDC 50 587S	118 229W	S SUTW02MT
415	3	372		UPR3	H	GDR3.5KHZ-RULL	8	0	GDC 50 586S	118 233W	S SUTW02MT
2135	4	372		UPR3	E	GDR3.5KHZ-RULL	8	0	GDC 50 362S	120 199W	S SUTW02MT
2139	4	372		UPR3	H	GDR3.5KHZ-RULL	9	0	GDC 50 361S	120 200W	S SUTW02MT
1635	6	372		UPR3	E	GDR3.5KHZ-RULL	9	0	GDC 50 410S	119 144W	S SUTW02MT
1655	6	372		UPR3	H	GDR3.5KHZ-RULL	10	0	GDC 50 411S	119 136W	S SUTW02MT
1210	8	372		UPR3	E	GDR3.5KHZ-RULL	10	0	GDC 51 59S	117 5W	S SUTW02MT
1242	8	372		UPR3	H	GDR3.5KHZ-RULL	11	0	GDC 51 63S	116 591W	S SUTW02MT
940	10	372		UPR3	E	GDR3.5KHZ-RULL	11	0	GDC 51 369S	115 64W	S SUTW02MT
1010	10	372		UPR3	H	GDR3.5KHZ-RULL	12	0	GDC 51 351S	115 50W	S SUTW02MT
2130	13	372		UPR3	E	GDR3.5KHZ-RULL	12	0	GDC 47 175S	108 595W	S SUTW02MT
2248	13	372		UPR3	H	GDR3.5KHZ-RULL	13	0	GDC 47 99S	108 418W	S SUTW02MT
510	17	372		UPR3	E	GDR3.5KHZ-RULL	13	0	GDC 40 409S	93 63W	S SUTW02MT
510	17	372		UPR3	H	GDR3.5KHZ-RULL	14	0	GDC 40 409S	93 63W	S SUTW02MT
1216	20	372		UPR3	E	GDR3.5KHZ-RULL	14	0	GDC 36 145S	77 319W	S SUTW02MT
1218	20	372		UPR3	H	GDR3.5KHZ-RULL	15	0	GDC 36 147S	77 315W	S SUTW02MT
240	21	372		UPR3	E	GDR3.5KHZ-RULL	15	0	GDC 34 446S	74 449W	S SUTW02MT
245	21	372		UPR3	H	GDR3.5KHZ-RULL	16	0	GDC 34 441S	74 440W	S SUTW02MT
2027	21	372		UPR3	E	GDR3.5KHZ-RULL	16	0	GDC 32 590S	171 440W	S SUTW02MT

*** SEISMIC REFLECTION PROFILES ***

TIME GMT	DATE D.M.Y.	TIME TZ LOC LOC	SAMP CODE	SAMPLE IDENT.	SEQ. DISP NUM. CODE	LAT.	LONG.	CRUISE LEG-SHIP
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2100	15	272		SPRT B AIRGUN-RS-ROLL 1	0 GDC 17 350S	149 418W	S	SOTW02WT
0	23	272		SPRT E AIRGUN-RS-ROLL 1	0 GDC 44 568S	134 302W	S	SOTW02WT

*** MAGNETOMETER ***

TIME GMT	DATE D.M.Y.	TIME TZ LOC LOC	SAMP CODE	SAMPLE IDENT.	SEQ. DISP NUM. CODE	LAT.	LONG.	CRUISE LEG-SHIP
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2000	15	272	MGR B	MAGNET-RULL 1	0 GDC 17 331S	149 342W	S	SOTW02WT
2107	22	272	MGR E	MAGNET-RULL 1	0 GDC 44 300S	134 467W	S	SOTW02WT
2115	22	272	MGR B	MAGNET-RULL 2	0 GDC 44 309S	134 461W	S	SOTW02WT
1015	5	372	MGR E	MAGNET-RULL 2	0 GDC 50 307S	120 458W	S	SOTW02WT
1030	5	372	MGR B	MAGNET-RULL 3	0 GDC 50 310S	120 450W	S	SOTW02WT
317	17	372	MGR E	MAGNET-RULL 3	0 GDC 40 482S	93 279W	S	SOTW02WT
327	17	372	NGR B	MAGNET-RULL 4	0 GDC 40 475S	93 259W	S	SOTW02WT
330	20	372	NGR E	MAGNET-RULL 4	0 GDC 37 38S	79 149W	S	SOTW02WT

DEEP TOW SURVEY-CURATOR JOHN MUDDIE EXT.1091

TIME GMT	DATE D.M.Y.	TIME TZ LOC LOC	SAMP CODE	SAMPLE IDENT.	SEQ. DISP NUM. CODE	LAT.	LONG.	CRUISE LEG-SHIP
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305	1	372	DT B	DEEP TOW EPR 51S	0 MPL 50 563S	118 595W	S	SOTW02WT
1353	10	372	DT E	DEEP TOW EPR 51S	0 MPL 51 564S	114 577W	S	SOTW02WT

BATHYOTHERMOGRAPHS - CURATOR MARGARET RUBINSON (EXT. 1135)

*** BATHYOTHERMOGRAPH ***

TIME GMT	DATE D.M.Y.	TIME TZ	SAMP LOC	SAMP LOC	SAMP CODE	SAMPLE IDENT.	SEQ. NUM.	DISP CODE	LAT.	LONG.	CRUISE LEG-SHIP
530	16	272	BTX	SUTW	62BT		0	RTS	19	171S	149 274W S SUTW02MT
1220	16	272	BTX	SOTW	63BT		0	RTS	20	414S	149 140W S SUTW02MT
1805	16	272	BTX	SUTW	64BT		0	RTS	21	486S	149 12W S SUTW02MT
6	17	272	BTX	SUTW	65BT		0	RTS	22	521S	148 312W S SUTW02MT
536	17	272	BTX	SOTW	66BT		0	RTS	23	513S	147 576W S SUTW02MT
650	18	272	BTX	SUTW	67BT		0	RTS	28	273S	145 169W S SUTW02MT
1820	18	272	BTX	SUTW	68BT		0	RTS	29	400S	144 335W S SUTW02MT
46	19	272	BTX	SUTW	69BT		0	RTS	30	461S	143 494W S SUTW02MT
514	19	272	BTX	SUTW	70BT		0	RTS	31	250S	143 235W S SUTW02MT
1200	19	272	BTX	SUTW	71BT		0	RTS	32	247S	142 425W S SUTW02MT
1800	19	272	BTX	SUTW	72BT		0	RTS	33	187S	142 96W S SUTW02MT
14	20	272	BTX	SOTW	73BT		0	RTS	34	137S	141 352W S SUTW02MT
632	20	272	BTX	SUTW	74BT		0	RTS	35	53S	140 545W S SUTW02MT
1100	20	272	BTX	SOTW	75BT		0	RTS	35	446S	140 285W S SUTW02MT
1810	20	272	BTX	SUTW	76BT		0	RTS	36	580S	139 422W S SUTW02MT
16	21	272	BTX	SOTW	77BT		0	RTS	38	4S	139 19W S SUTW02MT
610	21	272	BTX	SUTW	78BT		0	RTS	38	592S	138 246W S SUTW02MT
1850	21	272	BTX	SUTW	79BT		0	RTS	40	157S	137 496W S SUTW02MT
20	22	272	BTX	SOTW	80BT		0	RTS	41	135S	137 125W S SUTW02MT
1745	16	372	BTX	SUTW	81BT		0	RTS	41	273S	95 244W S SUTW02MT
1800	17	372	BTX	SOTW	82BT		0	RTS	40	194S	91 509W S SUTW02MT
25	18	372	BTX	SOTW	83BT		0	RTS	39	542S	90 448W S SUTW02MT
1220	18	372	BTX	SOTW	84BT		0	RTS	38	571S	88 112W S SUTW02MT
15	19	372	BTX	SOTW	85BT		0	RTS	38	50S	85 361W S SUTW02MT
1140	19	372	BTX	SOTW	86BT		0	RTS	37	367S	82 557W S SUTW02MT
2350	19	372	BTX	SUTW	87BT		0	RTS	37	114S	80 56W S SUTW02MT

ISOTOPE CHEMISTRY-CURATORS W.L.KUSIBA EXT. 1650 T.R.FULSON EXT. 2493

TRITIUM-H3-KUSIBA

TIME GMT	DATE D.M.Y.	TIME TZ	SAMP LOC	SAMP LOC	SAMP CODE	SAMPLE IDENT.	SEQ. NUM.	DISP CODE	LAT.	LONG.	CRUISE LEG-SHIP
1600	18	272	HCH3	SUTW	6HC		0	WLK	29	271S	144 410W S SUTW02MT
1400	21	272	HCH3	SUTW	7HC		0	WLK	39	449S	137 586W S SUTW02MT
15	29	272	HCH3	SOTW	8HC		0	WLK	50	580S	118 453W S SUTW02MT
558	17	372	HCH3	SOTW	9HC		0	WLK	40	401S	93 51W S SUTW02MT
1300	16	272	SSH3	SUTW	TRITIUM 26		0	WLK	20	492S	149 128W S SUTW02MT
1300	16	272	SSSA	SUTW	TRIT-26-SAL		0	WLK	20	492S	149 128W S SUTW02MT
1245	17	272	SSSA	SUTW	27H3		0	WLK	25	108S	147 72W S SUTW02MT
1245	17	272	SSSA	SUTW	27H3		0	WLK	25	108S	147 72W S SUTW02MT
608	20	272	SSSA	SUTW	28H3		0	WLK	35	20S	140 567W S SUTW02MT
608	20	272	SSSA	SUTW	28H3		0	WLK	35	20S	140 567W S SUTW02MT
33	23	272	SSSA	SUTW	29H3		0	WLK	45	22S	134 271W S SUTW02MT
33	23	272	SSSA	SUTW	29H3		0	WLK	45	22S	134 271W S SUTW02MT

CARBON 14--KOSIHA

TIME GMT	DATE D.M.Y.	TIME TZ	LOC LOC	SAMP CODE	SAMPLE IDENT.	SEQ. DISP NUM. CODE	LAT.	LONG.	CRUISE LEG-SHIP		
1300	16	272		SS14	SOTW CARBUN14-20	0	WLK 20	492S	149 128W	S	SUTW02MT
1300	16	272		SSSA	SOTW CAR14-ZOSAL	0	WLK 20	492S	149 128W	S	SUTW02MT
2115	16	272		SS14	SOTW 21C14	0	WLK 22	224S	148 469W	S	SUTW02MT
2115	16	272		SSSA	SOTW 21C14	0	WLK 22	224S	148 469W	S	SUTW02MT
718	17	272		SS14	SOTW 22C14	0	WLK 24	100S	147 456W	S	SUTW02MT
718	17	272		SSSA	SOTW 22C14	0	WLK 24	100S	147 456W	S	SUTW02MT
1704	17	272		SS14	SOTW 23C14	0	WLK 25	596S	146 377W	S	SUTW02MT
1704	17	272		SSSA	SOTW 23C14	0	WLK 25	596S	146 377W	S	SUTW02MT
445	18	272		SS14	SOTW 24C14	0	WLK 28	62S	145 303W	S	SUTW02MT
445	18	272		SSSA	SOTW 24C14	0	WLK 28	62S	145 303W	S	SUTW02MT
2130	18	272		SS14	SOTW 25C14	0	WLK 30	158S	144 97W	S	SUTW02MT
2130	18	272		SSSA	SOTW 25C14	0	WLK 30	158S	144 97W	S	SUTW02MT
944	19	272		SS14	SOTW 26C14	0	WLK 32	41S	142 563W	S	SUTW02MT
944	19	272		SSSA	SOTW 26C14	0	WLK 32	41S	142 563W	S	SUTW02MT
2324	19	272		SS14	SOTW 27C14	0	WLK 34	70S	141 401W	S	SUTW02MT
2324	19	272		SSSA	SOTW 27C14	0	WLK 34	70S	141 401W	S	SUTW02MT
1215	20	272		SS14	SOTW 28C14	0	WLK 35	573S	140 204W	S	SUTW02MT
1215	20	272		SSSA	SOTW 28C14	0	WLK 35	573S	140 204W	S	SUTW02MT
115	21	272		SS14	SOTW 29C14	0	WLK 38	99S	138 552W	S	SUTW02MT
115	21	272		SSSA	SOTW 29C14	0	WLK 38	99S	138 552W	S	SUTW02MT
1720	21	272		SS14	SOTW 30C14	0	WLK 40	2S	137 599W	S	SUTW02MT
1720	21	272		SSSA	SOTW 30C14	0	WLK 40	2S	137 599W	S	SUTW02MT
2352	23	272		SS14	SOTW 34C14	0	WLK 48	8S	131 293W	S	SUTW02MT
2352	23	272		SSSA	SOTW 34C14	0	WLK 48	8S	131 293W	S	SUTW02MT
500	26	272		SS14	SOTW 35C14	0	WLK 50	36S	122 265W	S	SUTW02MT
500	26	272		SSSA	SOTW 35C14	0	WLK 50	36S	122 265W	S	SUTW02MT
445	10	372		SS14	SOTW 36C14	0	WLK 51	319S	115 185W	S	SUTW02MT
445	10	372		SSSA	SOTW 36C14	0	WLK 51	319S	115 185W	S	SUTW02MT
2145	14	372		SS14	SOTW 37C14	0	WLK 45	105S	104 53W	S	SUTW02MT
2145	14	372		SSSA	SOTW 37C14	0	WLK 45	105S	104 53W	S	SUTW02MT
2140	17	372		SS14	SOTW 38C14	0	WLK 40	63S	91 135W	S	SUTW02MT
2140	17	372		SSSA	SOTW 38C14	0	WLK 40	63S	91 135W	S	SUTW02MT

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

IRON 55-PLANKTON--C.D.JENNINGS ORE. COLL. EDUCATION

TIME GMT	DATE D.M.Y.	TIME TZ	LOC LOC	SAMP CODE	SAMPLE IDENT.	SEQ. DISP NUM. CODE	LAT.	LONG.	CRUISE LEG-SHIP		
1215	18	272		TMFF	H SUTW 7MT	0	CDJ 29	217S	144 438W	S	SUTW02MT
1500	18	272		TMFE	E SUTW 7MT	0	CDJ 29	267S	144 410W	S	SUTW02MT
1120	21	272		TMFE	B SOTW 8MT	0	CDJ 39	467S	137 549W	S	SUTW02MT
1325	21	272		TMFF	E SUTW 8MT	0	CDJ 39	448S	137 587W	S	SUTW02MT
445	29	272		TMFE	H SOTW 9MT	0	CDJ 50	561S	118 453W	S	SUTW02MT
615	29	272		TMFE	E SOTW 9MT	0	CDJ 50	547S	118 446W	S	SUTW02MT

TIME GMT	DATE D.M.Y.	TIME TZ	SAMP LOC	SAMP CODE	SAMPLE IDENT.	SEQ. DISP NUM. CODE	LAT.	LONG.	CRUISE LEG-SHIP			
625	16	272		ASNU	SUTW 53NU	0	AWH 19	287S	149	259W	S	SUTW02MT
1820	16	272		ASNU	SUTW 54NU	0	AWH 21	515S	149	7W	S	SUTW02MT
40	17	272		ASNU	SUTW 55NU	0	AWH 22	582S	148	281W	S	SUTW02MT
1228	17	272		ASNU	SUTW 56NU	0	AWH 25	76S	147	91W	S	SUTW02MT
1228	18	272		ASNU	SUTW 57NU	0	AWH 29	219S	144	436W	S	SUTW02MT
1815	17	272		ASNU	SUTW 58NU	0	AWH 26	127S	146	290W	S	SUTW02MT
25	18	272		ASNU	SUTW 59NU	0	AWH 27	222S	145	599W	S	SUTW02MT
1810	18	272		ASNU	SUTW 60NU	0	AWH 29	381S	144	345W	S	SUTW02MT
32	19	272		ASNU	SUTW 61NU	0	AWH 30	440S	143	507W	S	SUTW02MT
600	19	272		ASNU	SUTW 62NU	0	AWH 31	517S	143	188W	S	SUTW02MT
50	20	272		ASNU	SUTW 64NU	0	AWH 34	185S	141	315W	S	SUTW02MT
700	20	272		ASNU	SUTW 65NU	0	AWH 35	90S	140	519W	S	SUTW02MT
1130	20	272		ASNU	SUTW 66NU	0	AWH 35	495S	140	252W	S	SUTW02MT
1750	20	272		ASNU	SUTW 67NU	0	AWH 36	545S	139	443W	S	SUTW02MT
38	21	272		ASNU	SUTW 67NU	0	AWH 38	39S	138	594W	S	SUTW02MT
/	5	081	272	ASNU	SUTW 68NU	0	AWH 39	60S	138	204W	S	SUTW02MT
1810	21	272		ASNU	SUTW 69NU	0	AWH 40	87S	137	542W	S	SUTW02MT
24	22	272		ASNU	SUTW 70NU	0	AWH 41	142S	137	120W	S	SUTW02MT
647	22	272		ASNU	SUTW 71NU	0	AWH 42	185S	136	251W	S	SUTW02MT
1200	22	272		ASNU	SUTW 72NU	0	AWH 43	86S	135	511W	S	SUTW02MT
1815	22	272		ASNU	SUTW 73NU	0	AWH 44	51S	135	41W	S	SUTW02MT
17	23	272		ASNU	SUTW 74NU	0	AWH 44	596S	134	286W	S	SUTW02MT
625	23	272		ASNU	SUTW 75NU	0	AWH 45	580S	133	466W	S	SUTW02MT
1100	23	272		ASNU	SUTW 76NU	0	AWH 46	586S	133	110W	S	SUTW02MT
1750	23	272		ASNU	SUTW 77NU	0	AWH 47	314S	132	318W	S	SUTW02MT
20	24	272		ASNU	SUTW 78NU	0	AWH 48	24S	131	230W	S	SUTW02MT
650	24	272		ASNU	SUTW 79NU	0	AWH 48	203S	129	544W	S	SUTW02MT
546	25	272		ASNU	SUTW 80NU	0	AWH 48	562S	127	206W	S	SUTW02MT
1200	25	272		ASNU	SUTW 81NU	0	AWH 44	176S	125	571W	S	SUTW02MT
10	26	272		ASNU	SUTW 82NU	0	AWH 49	478S	123	331W	S	SUTW02MT
640	26	272		ASNU	SUTW 83NU	0	AWH 50	87S	122	71W	S	SUTW02MT
1200	26	272		ASNU	SUTW 84NU	0	AWH 50	265S	120	545W	S	SUTW02MT
1800	26	272		ASNU	SUTW 85NU	0	AWH 50	445S	119	293W	S	SUTW02MT
11	27	272		ASNU	SUTW 86NU	0	AWH 50	584S	118	228W	S	SUTW02MT
610	27	272		ASNU	SUTW 87NU	0	AWH 51	126S	117	106W	S	SUTW02MT
1215	27	272		ASNU	SUTW 88NU	0	AWH 51	153S	117	238W	S	SUTW02MT
1815	27	272		ASNU	SUTW 89NU	0	AWH 50	583S	118	494W	S	SUTW02MT
600	28	272		ASNU	SUTW 90NU	0	AWH 50	563S	118	474W	S	SUTW02MT
607	29	272		ASNU	SUTW 91NU	0	AWH 50	545S	118	447W	S	SUTW02MT
15	1	372		ASNU	SUTW 92NU	0	AWH 50	583S	118	479W	S	SUTW02MT
1800	12	372		ASNU	SUTW 93NU	0	AWH 49	500S	115	248W	S	SUTW02MT
600	14	372		ASNU	SUTW 94NU	0	AWH 46	293S	107	50W	S	SUTW02MT
1000	14	372		ASNU	SUTW 95NU	0	AWH 46	116S	106	189W	S	SUTW02MT
1200	14	372		ASNU	SUTW 96NU	0	AWH 46	25S	105	554W	S	SUTW02MT
1805	14	372		ASNU	SUTW 97NU	0	AWH 45	291S	104	449W	S	SUTW02MT
18	15	372		ASNU	SUTW 98NU	0	AWH 44	582S	103	365W	S	SUTW02MT
600	15	372		ASNU	SUTW 99NU	0	AWH 44	321S	102	282W	S	SUTW02MT
1000	15	372		ASNU	SUTW100NU	0	AWH 44	107S	101	347W	S	SUTW02MT
1200	15	372		ASNU	SUTW101NU	0	AWH 43	593S	101	149W	S	SUTW02MT
1800	15	372		ASNU	SUTW102NU	0	AWH 43	268S	100	70W	S	SUTW02MT
46	16	372		ASNU	SUTW103NU	0	AWH 42	480S	98	496W	S	SUTW02MT
600	16	372		ASNU	SUTW104NU	0	AWH 42	195S	97	469W	S	SUTW02MT
1000	16	372		ASNU	SUTW105NU	0	AWH 41	585S	97	3W	S	SUTW02MT

APROSOLS--A.M.HOGAN S.U.N.Y.

TIME GMT	DATE D.M.Y.	TIME TZ	SAMP LOC	SAMP CODE	SAMPLE IDENT.	SEQ. NUM.	DISP CODE	LAT.	LONG.	CRUISE LEG-SHIP
1700	19	272		ASNU	SUTW 63NU	0	AWH 33	95S	142 149W	S SOTW02WT
1215	16	372		ASNU	SOTW106NU	0	AWH 41	497S	96 320W	S SOTW02WT
1810	16	372		ASNU	SUTW107NU	0	AWH 41	256S	95 193W	S SOTW02WT
2336	16	372		ASNU	SOTW108NU	0	AWH 41	39S	94 120W	S SOTW02WT
620	17	372		ASNU	SOTW109NU	0	AWH 40	401S	93 50W	S SOTW02WT
2353	17	372		ASNU	SUTW110NU	0	AWH 39	570S	90 517W	S SOTW02WT
1210	18	372		ASNU	SOTW111NU	0	AWH 38	578S	88 134W	S SOTW02WT
1800	18	372		ASNU	SOTW112NU	0	AWH 38	308S	86 576W	S SOTW02WT
2350	18	372		ASNU	SOTW113NU	0	AWH 38	67S	85 416W	S SOTW02WT
826	19	372		ASNU	SOTW114NU	0	AWH 37	444S	83 415W	S SOTW02WT
1	20	372		ASNU	SOTW115NU	0	AWH 37	110S	80 30W	S SOTW02WT