

INFORMAL REPORT AND INDEX OF  
NAVIGATION, DEPTH, MAGNETIC AND SUBBOTTOM PROFILER DATA  
(Issued September 1986)

ICE EXPEDITION

LEG 3

Punta Arēnas, Chile (22 January 1986)  
to  
Punta Arenas, Chile (25 February 1986)

R/V Melville

Chief Scientist - W. Nowlin (TAM)

Resident Marine Tech - G. Pillard

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

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

NOTE: This is an index of underway geophysical data edited and processed after the completion of the cruise leg and is intended primarily for informal use within the institution. This document is not to be reproduced or distributed outside Scripps without prior approval of the chief scientist or the Geological Data Center, Scripps Institution of Oceanography, La Jolla, California 92093.

GDC Cruise I.D.# 223

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

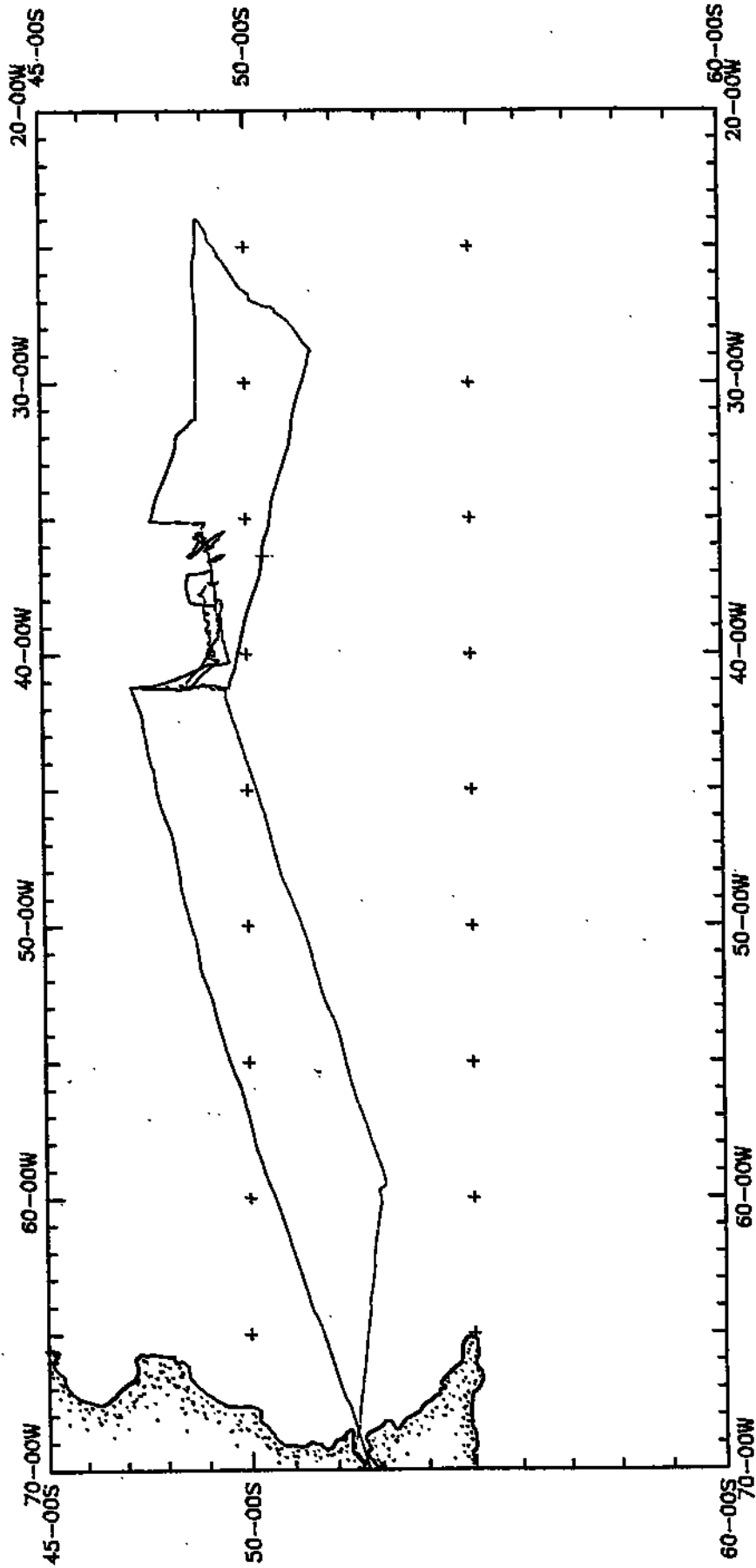
Contents:

- Index Chart - gives track of cruise leg, dates, ports, and mileage of each type of data collected.
- Track Charts - annotated with dates (day/month) and hour ticks. The scale is .312 in/degree longitude.
- 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 profiles (airgun or watergun) records have a wide black line along the bottom of the profile. Sections having Sea Beam are indicated by a narrow black line.
- 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.

For information on the availability and reproduction costs of data in the following forms, contact S. M. Smith, Curator, Geological Data Center, Scripps Institution of Oceanography, La Jolla, California 92093. Phone (619)534-2755.

1. Navigation listing of times and positions of course and speed changes, fixes and drift velocity.
2. Depth compilation plots - compilation plots at the traditional scale of 4in/degree longitude (1:1,000,000) are no longer produced for Sea Beam cruises. Custom plots may be requested of vertical beam (2 $\frac{2}{3}$  degree beam width) depths retrieved at one minute intervals of ship time.
3. Plots of magnetic anomaly profiles along track - map scale = 1.2in/degree, anomaly scale between 15N and 15S latitude = 500 gamma/inch, anomaly scale north of 15N and south of 15S = 1000 gamma/inch, from values retrieved at approximately 1 mile spacing and regional field removed using the 1980 IGRF.
4. Separate time series files of navigation, depth and magnetic data merged in the MGD77 Exchange format on magnetic tape.
5. Microfilm or Xerox copies of:
  - a. Echosounder records - 12 and 3.5 kHz frequency
  - b. Subbottom profiler records (air or water guns)
  - c. Magnetometer records
  - d. Underway data log

Revised June 1985 (Sea Beam)



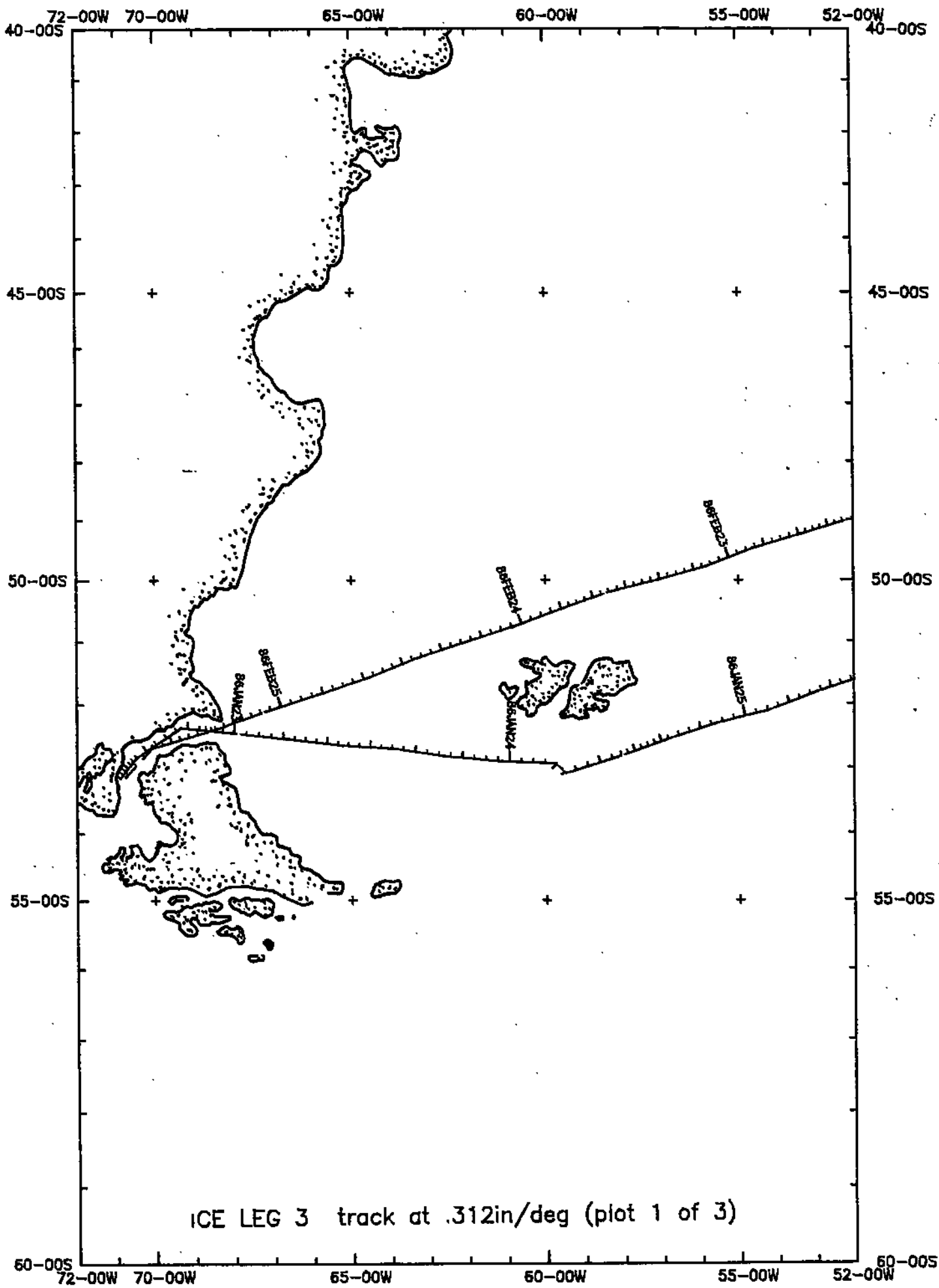
ICE LEG 3 Track at .1632in/degree

ICE EXPEDITION  
LEG 3

CHIEF SCIENTIST: W. Nowlin (Texas A&M Univ.)  
 PORTS: Punta Arenas - Punta Arenas, Chile  
 DATES: 22 January - 25 February 1986  
 SHIP: R/V Melville

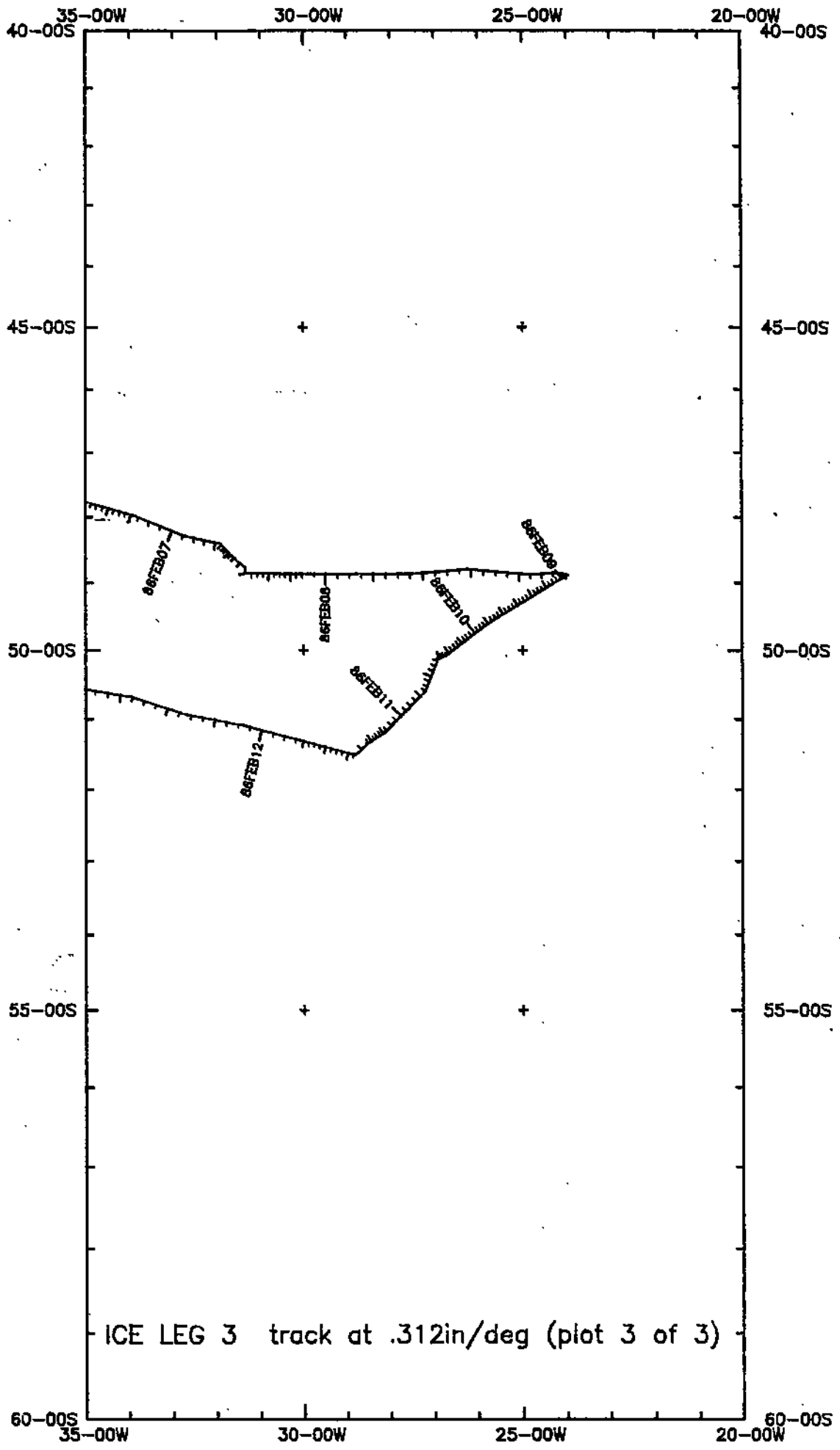
TOTAL MILEAGE OF UNDERWAY DATA COLLECTED

- 1) Cruise - 5580 miles
- 2) Bathymetry - 4510 miles
- 3) Magnetics - none collected
- 4) Seismic Reflection - none collected
- 5) Gravity - none collected

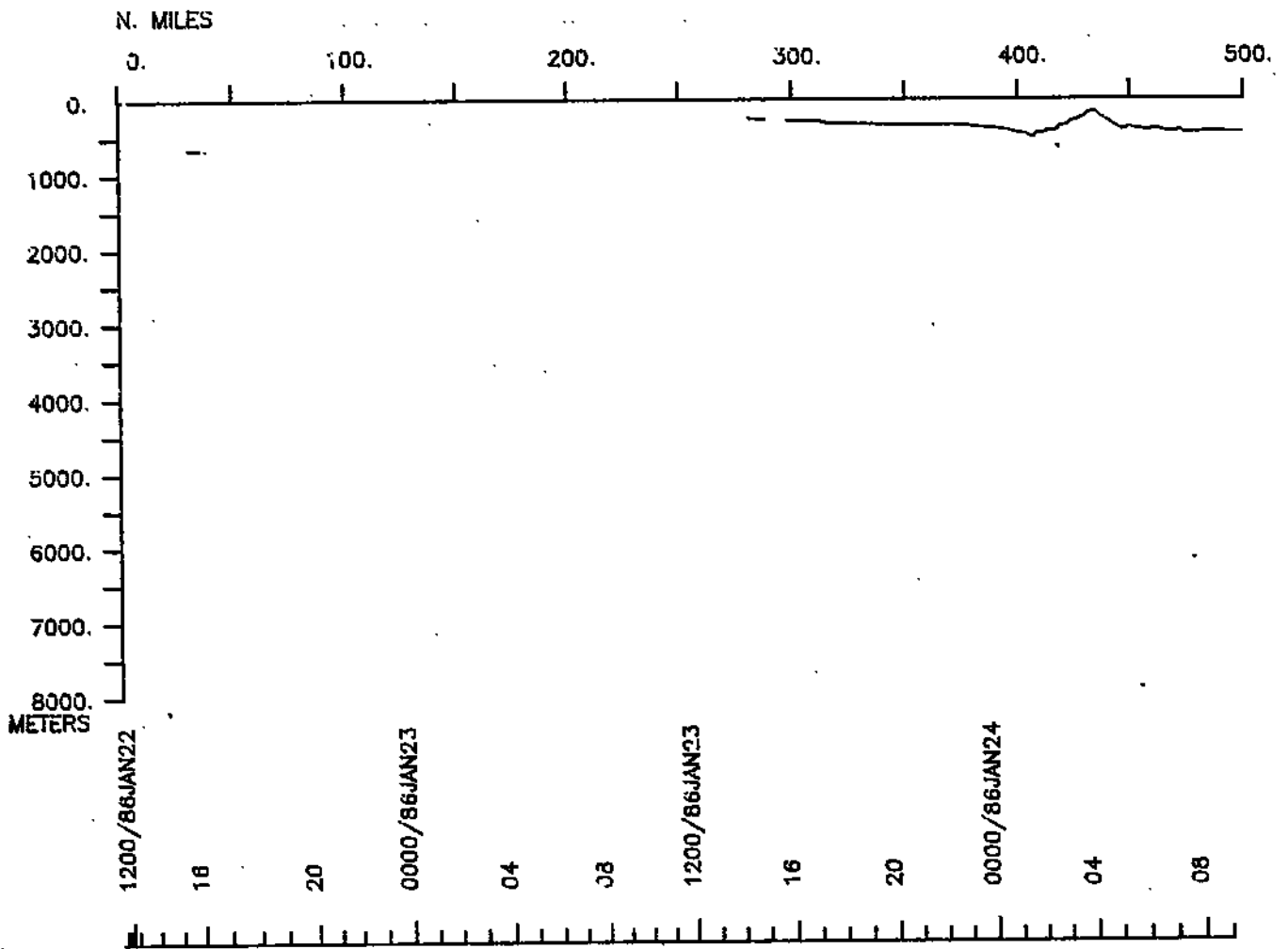


ICE LEG 3 track at .312in/deg (plot 1 of 3)

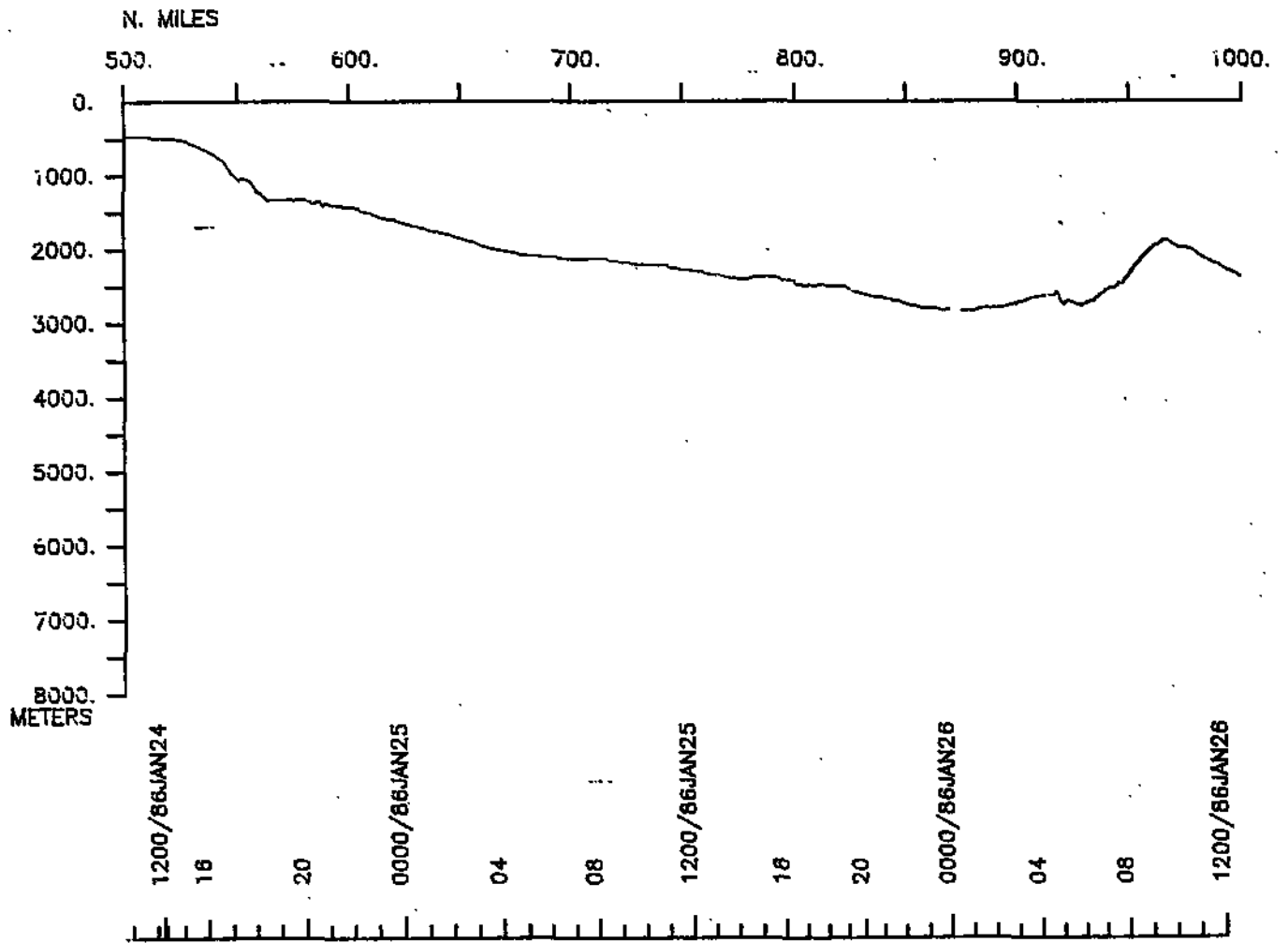




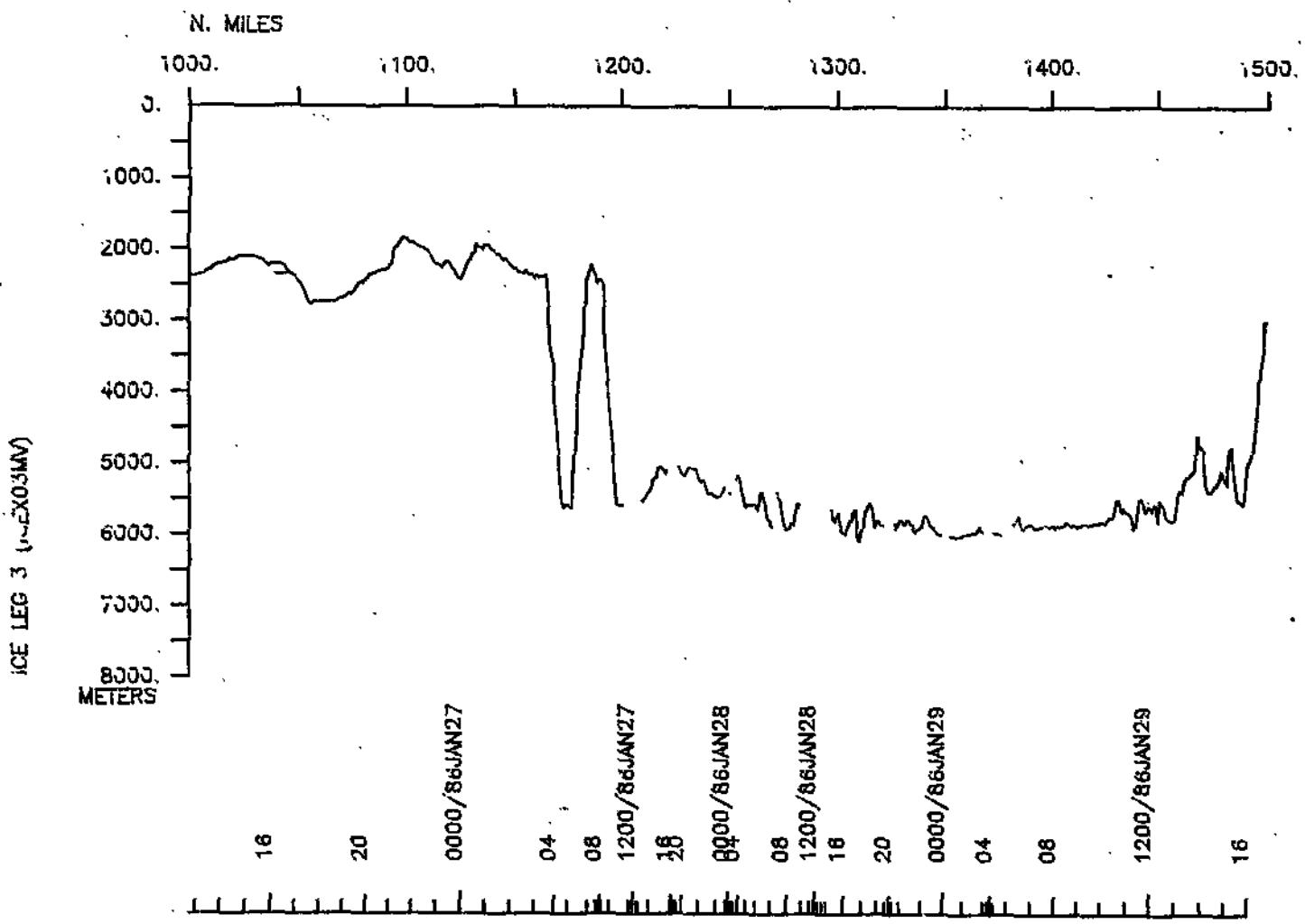
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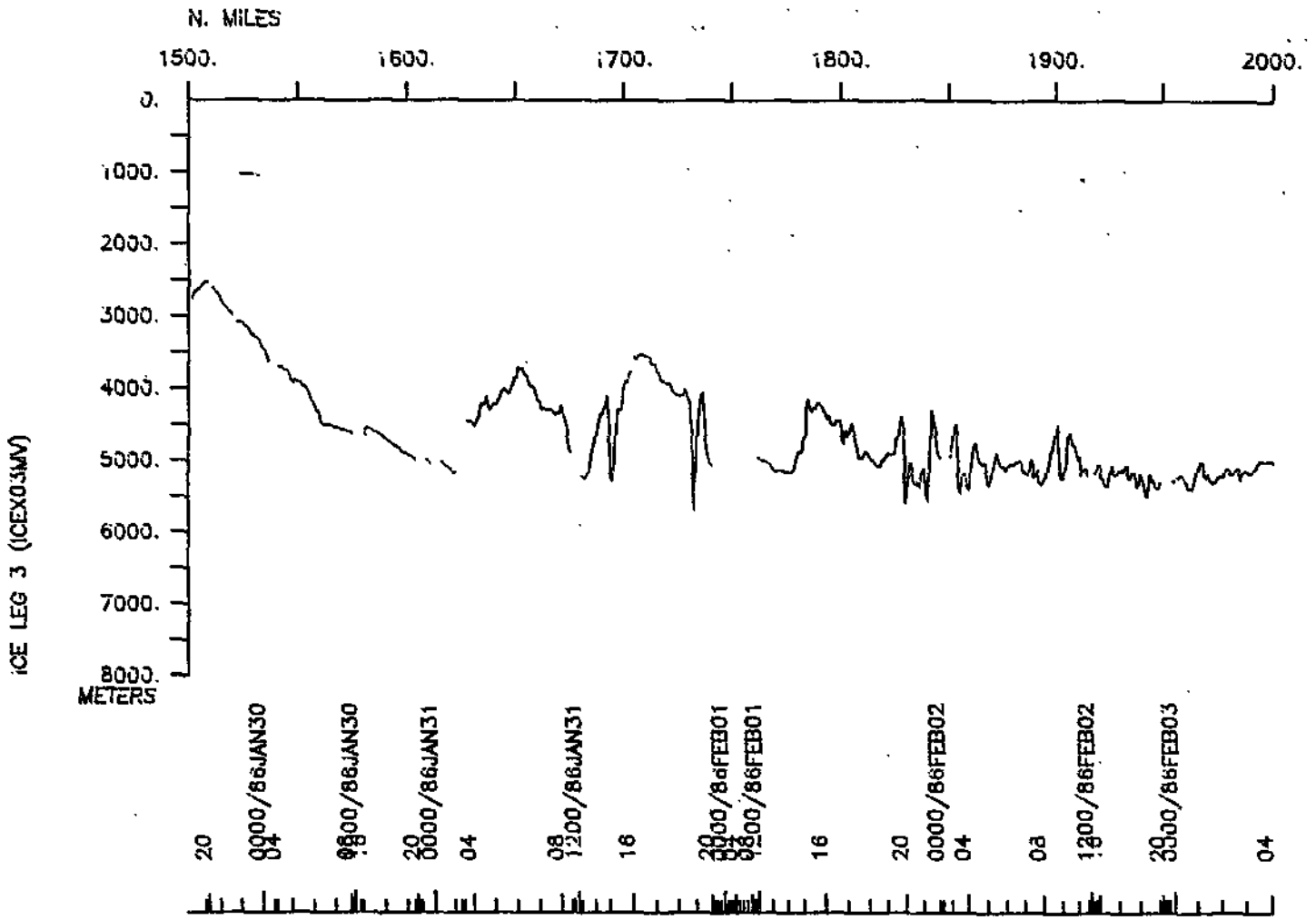


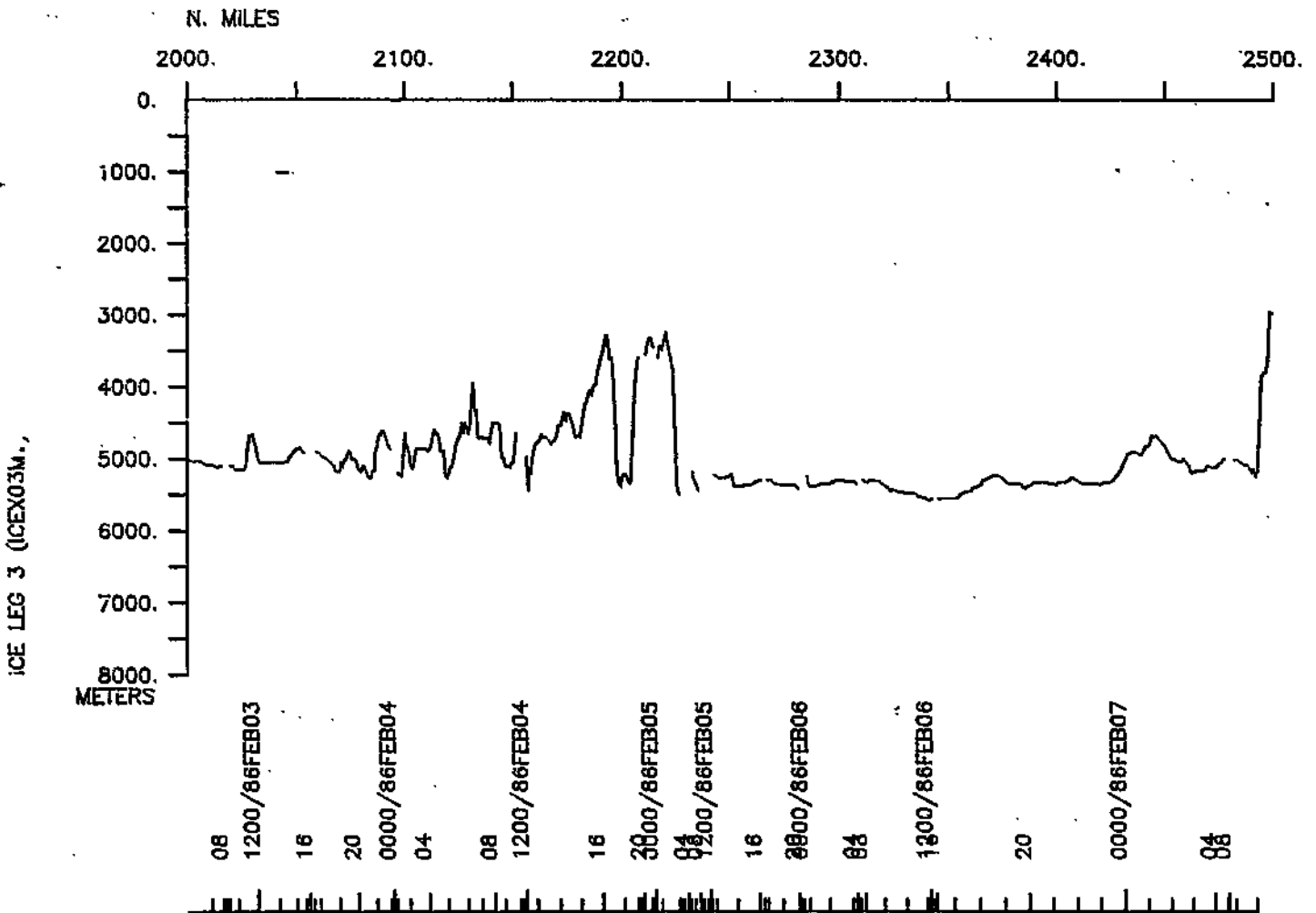
ICE LEG 3 (ICEX03MV)

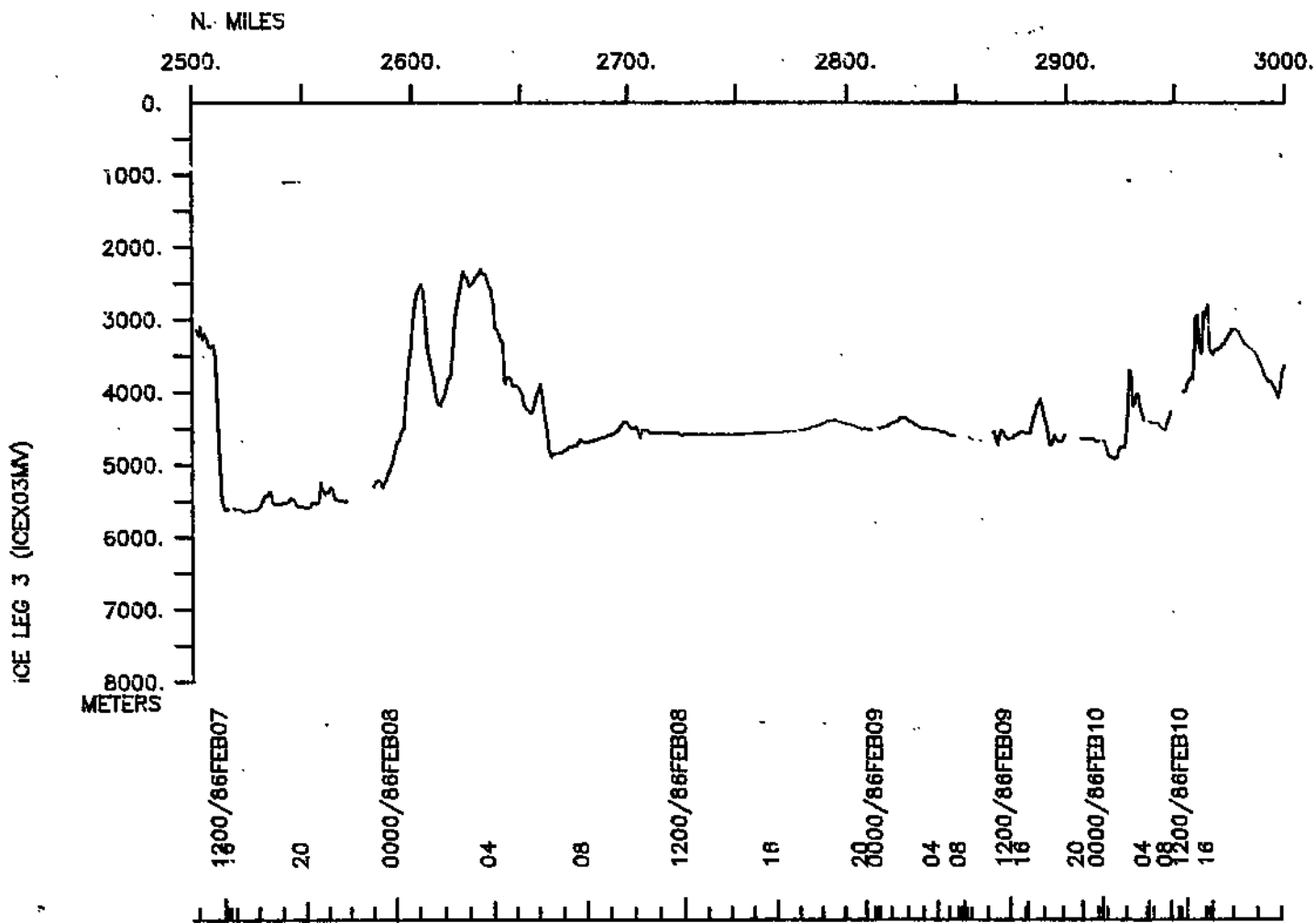


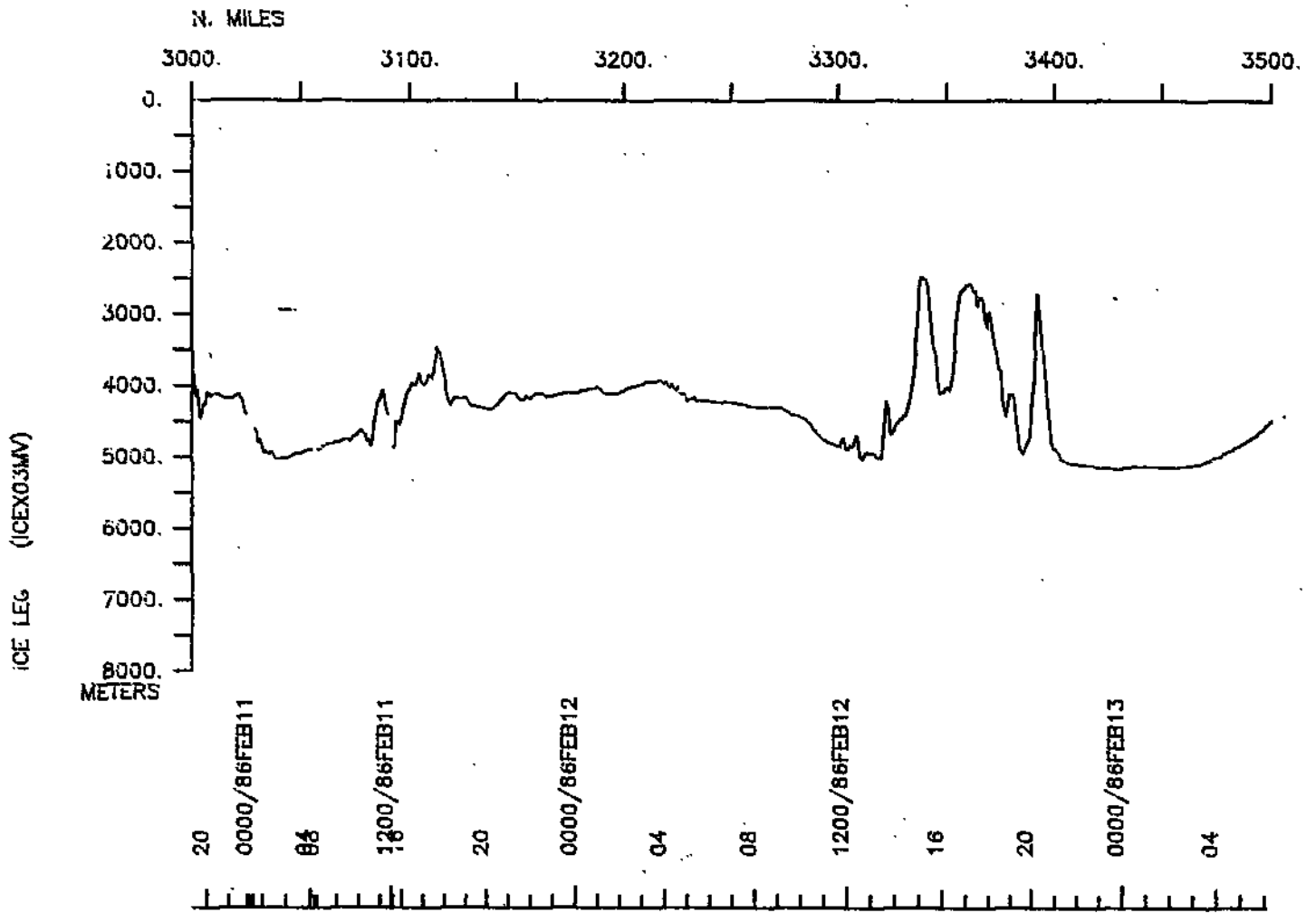




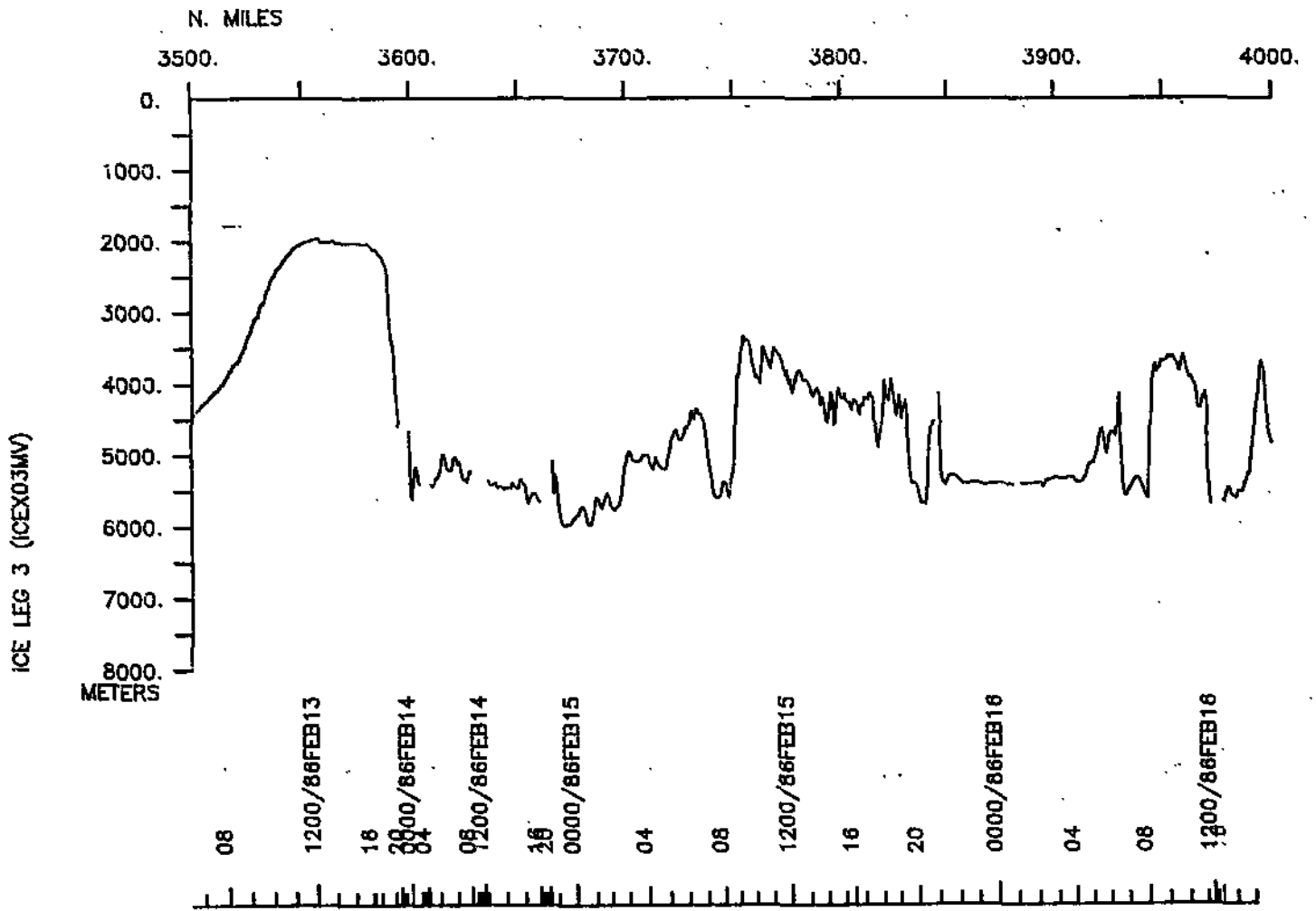


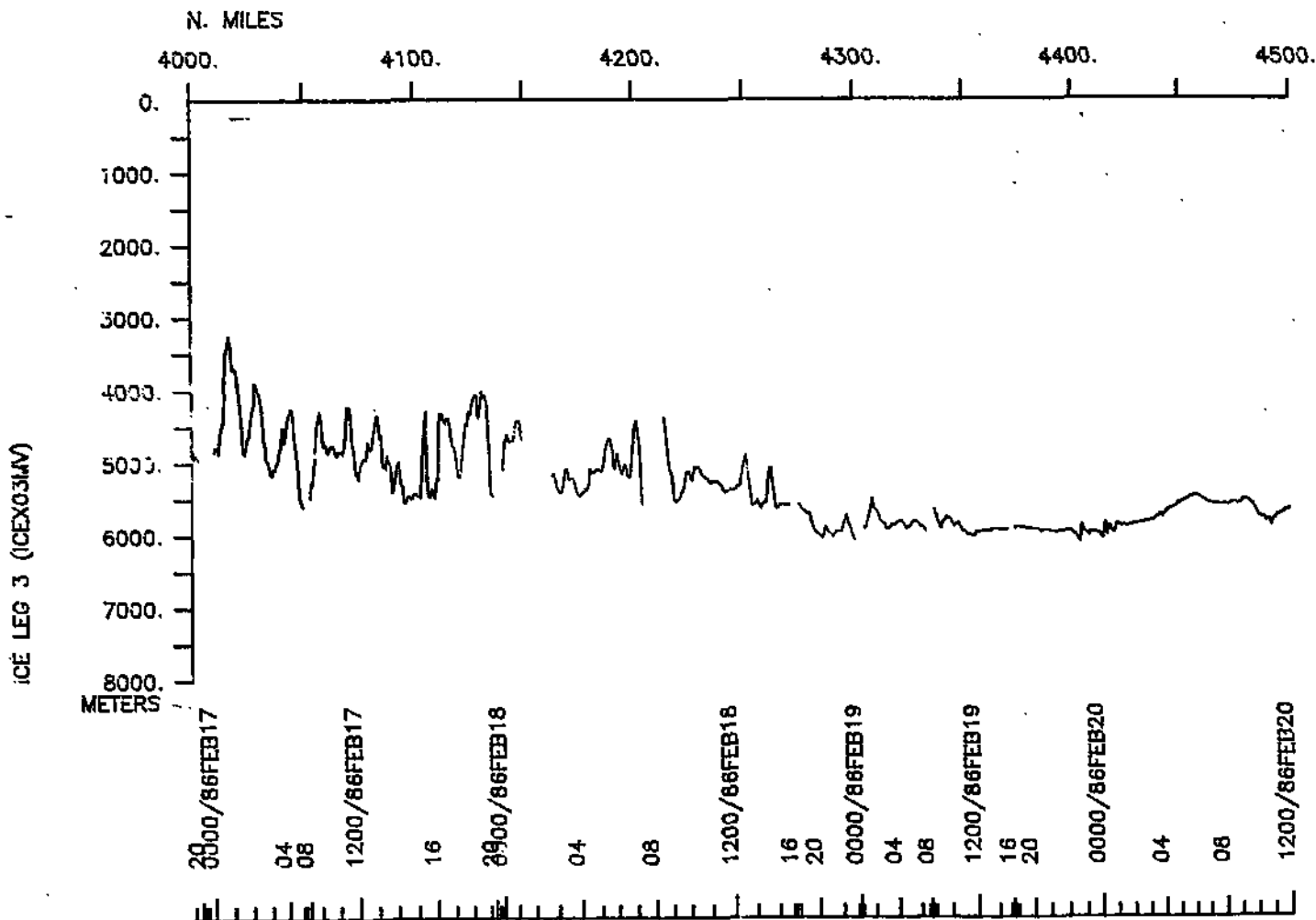


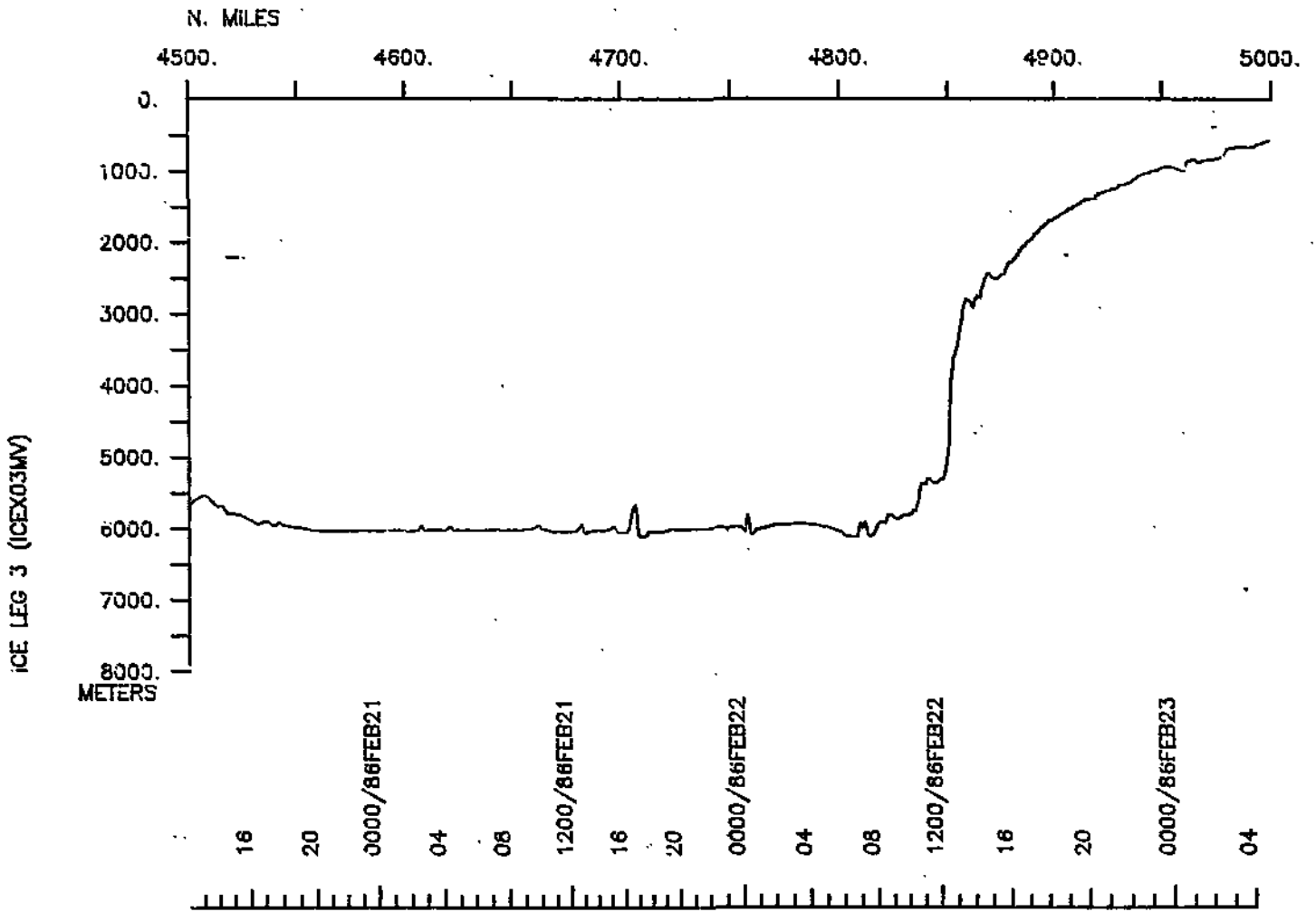




20 0000/86FEB11 04 1200/86FEB12 16 20 0000/86FEB13 04

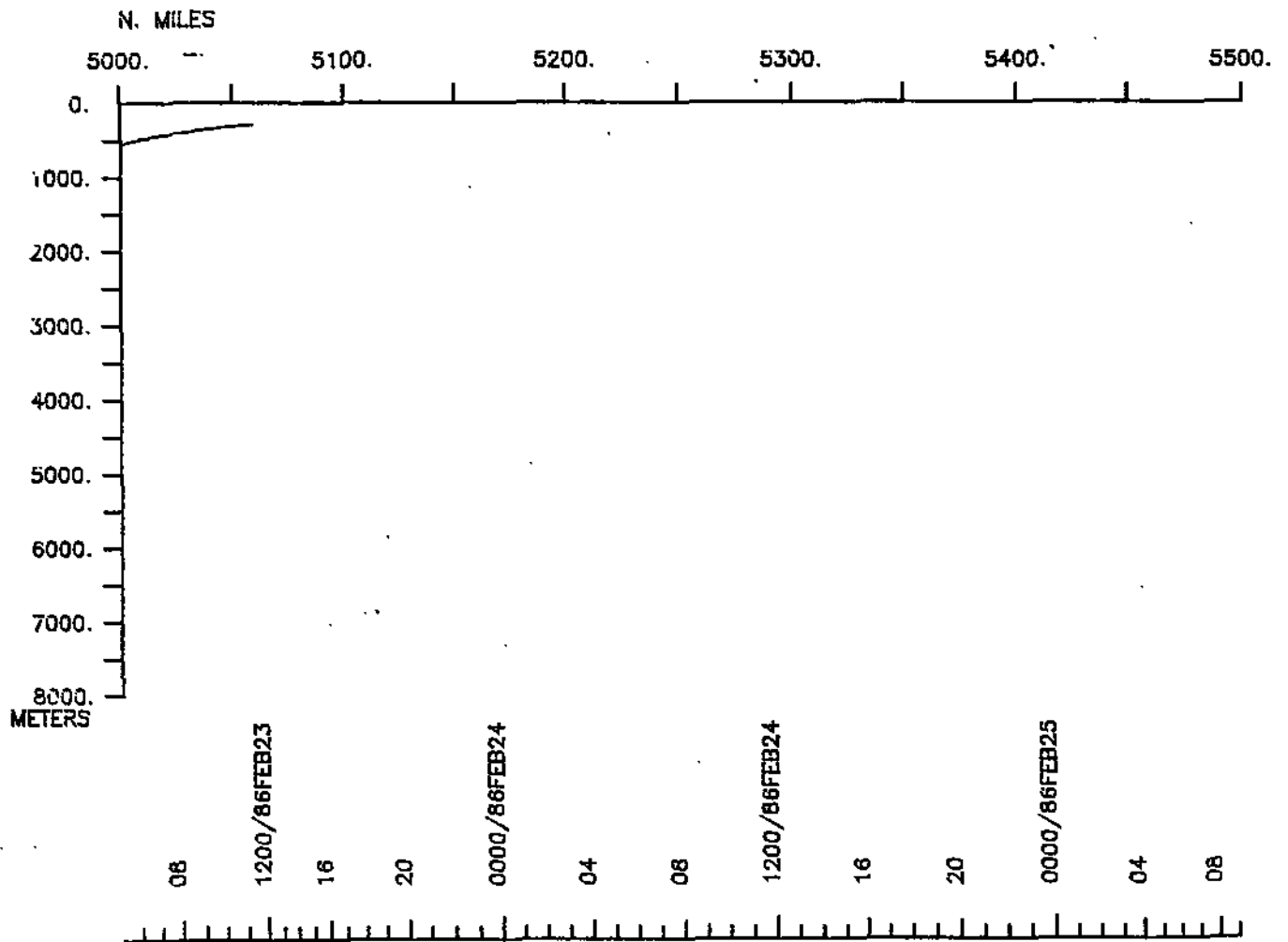


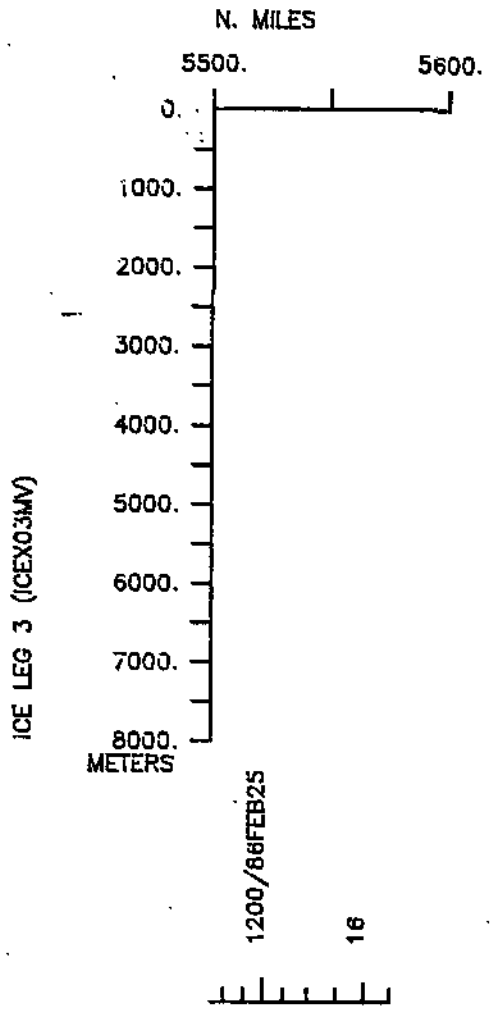






ICE LEG 3 (ICEX03MV)





S.I.O. SAMPLE INDEX

(Issued September 1986)

ICE EXPEDITION

Leg 3

Punta Arenas, Chile (22 January 1986)  
to  
Punta Arenas, Chile (25 February 1986)

R/V-Melville

Chief Scientist - W. Nowlin

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

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

The Sample Index is a first level interdisciplinary listing of time, position, sample identification and disposition of all samples, records and measurements collected on this cruise leg. The index data are encoded at sea by the resident marine technician and processed on shore by the S.I.O. Geological Data Center shortly after the completion of the cruise leg.

Positions are interpolated on the basis of sample time by comparison to a single, edited navigation file. Samples beginning at one time and position and ending at another are entered on two consecutive lines. Disposition and sample type are represented by three and four character codes to permit future computer searches on these parameters. (Listings defining these codes are available from the Geological Data Center.)

GDC Cruise I.D. #223

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

1200 220186	LGPT B PUNTA ARENAS, CHILE	53-10 S 70-54 W	FICEX03MV
1800 250286	LGPT E PUNTA ARENAS, CHILE	53-10 S 70-54 W	FICEX03MV

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

	***NAME***	***TITLE***	***AFFILIATION***	**CRID**
PECS TAM	NOWLIN, W.D.	CHIEF SCIENTIST	TEXAS A&M UNIV	ICEX03MV
PESP TAM	BOTTOM, K.S.	ENGINEER	TEXAS A&M UNIV	ICEX03MV
PEMT OSU	BROOKSFORCE, K.	MARINE TECH	OREGON STATE UNIV	ICEX03MV
PEOB ARG	CASTIGLIONI, J.O.	OBSERVER	ARGENTINA	ICEX03MV
PEOB ARG	GALLO, J.F.	OBSERVER	ARGENTINA	ICEX03MV
PESP TAM	GUFFY, J.D.	TECHNICIAN	TEXAS A&M UNIV	ICEX03MV
PEOB ARG	LOCARNINI, R.A.	OBSERVER	ARGENTINA	ICEX03MV
PEET TAM	MACDONALD, D.C.	ELECTRONICS TECH	TEXAS A&M UNIV	ICEX03MV
PEOB ARG	ORSI, A.H.	OBSERVER	ARGENTINA	ICEX03MV
PESP TAM	PETERSON, R.G.	RESEARCH ASSIST.	TEXAS A&M UNIV	ICEX03MV
PERT MTG	PILLARD, E.G.	RESIDENT TECH	SCRIPPS INSTITUTION	ICEX03MV
PESP OSU	PILLSBURY, D.	SCIENTIST	OREGON STATE UNIV	ICEX03MV
PEET TAM	PITTMAN, R.V.	ELECTRONICS TECH	TEXAS A&M UNIV	ICEX03MV
PESP OSU	ROOT, D.	RESEARCH ASSIST.	OREGON STATE UNIV	ICEX03MV
PEST TAM	SCHNITZER, M.B.	RESEARCH ASSIST.	TEXAS A&M UNIV	ICEX03MV
PEST OSU	SEIFERT, E.	RESEARCH ASSIST.	OREGON STATE UNIV	ICEX03MV
PEMT OSU	SIMPKINS, J.	MARINE TECH.	OREGON STATE UNIV	ICEX03MV
PESP GBN	SMYTHE-WRIGHT, D.	SCIENTIST	GREAT BRITAIN	ICEX03MV
PEMT TAM	SPEARS, M.A.	MARINE TECH.	TEXAS A&M UNIV	ICEX03MV
PECT MTG	STUBER, D.D.	COMPUTER TECH.	SCRIPPS INSTITUTION	ICEX03MV
PESP TAM	ULM, W.	RESEARCH ASSIST.	TEXAS A&M UNIV	ICEX03MV
PESP GRD	VAN WOY, R.	RESEARCH ASSIST.	SCRIPPS INSTITUTION	ICEX03MV
PESP TAM	WHITWORTH, T.	SCIENTIST	TEXAS A&M UNIV	ICEX03MV
PESP TAM	WORLEY, S.J.	RESEARCH ASSIST.	TEXAS A&M UNIV	ICEX03MV

\*\*\*\*NOTES\*\*\*\*

#AN 'X' IN THE (B)EGIN/(E)ND COLUMN FOLLOWING THE SAMPLE CODE INDICATES NO  
#SAMPLE OR DATA RECOVERED. A 'C' INDICATES CONTINUATION OF DATA COLLECTION  
#FROM BEFORE THE BEGINNING OR AFTER THE END OF A PARTICULAR LEG. (MOORED  
#BOTTOM INSTRUMENTS, FOR EXAMPLE.) THE NUMBER APPEARING IN THE COLUMNS  
#BETWEEN THE SAMPLE IDENTIFIER AND THE DISPOSITION CODE, FOR MANY SAMPLE  
#ENTRIES, IS THE WATER DEPTH IN CORRECTED METERS. POSITIONS ARE IN TENTHS  
#OF MINUTES.

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

\*\*\*UNDERWAY DATA CURATOR - S. M. SMITH EXT.42755

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

1345	230186		LBWU B	UNDERWAY WATCH LOG	GDC 52-445S	64-025W	sICEX03MV
1122	230286		LBWU E	UNDERWAY WATCH LOG	GDC 50-069S	57-546W	sICEX03MV

\*\*\*ECHOSOUNDER RECORDS\*\*\*

1345	230186		DPRT B	12 KHZ PDR R-01	GDC 52-445S	64-025W	sICEX03MV
0233	300186		DPRT E	12 KHZ PDR R-01	GDC 49-282S	39-311W	sICEX03MV
0255	300186		DPRT B	12 KHZ PDR R-02	GDC 49-281S	39-312W	sICEX03MV
1917	090286		DPRT E	12 KHZ PDR R-02	GDC 49-353S	25-457W	sICEX03MV
1754	090286		DPRT B	12 KHZ PDR R-03	GDC 49-287S	25-303W	sICEX03MV
1122	230286		DPRT E	12 KHZ PDR R-03	GDC 50-069S	57-546W	sICEX03MV

\*\*\*EXPENDABLE BATHYTHERMOGRAMS\*\*\*

1345	230186		BTXP	XBT 01	TAM 52-445S	64-025W	sICEX03MV
1650	230186		BTXP	XBT 02	TAM 52-475S	63-074W	sICEX03MV
1900	230186		BTXP	XBT 03	TAM 52-499S	62-270W	sICEX03MV
2100	230186		BTXP	XBT 04	TAM 52-508S	61-506W	sICEX03MV
2301	230186		BTXP	XBT 05	TAM 52-537S	61-147W	sICEX03MV
0057	240186		BTXP	XBT 06	TAM 52-567S	60-392W	sICEX03MV
0300	240186		BTXP	XBT 07	TAM 52-590S	60-025W	sICEX03MV
0459	240186		BTXP	XBT 08	TAM 53-044S	59-323W	sICEX03MV
0658	240186		BTXP	XBT 09	TAM 53-003S	58-557W	sICEX03MV
0900	240186		BTXP	XBT 10	TAM 52-520S	58-185W	sICEX03MV
1100	240186		BTXP	XBT 11	TAM 52-445S	57-434W	sICEX03MV
1500	240186		BTXP	XBT 12	TAM 52-412S	57-254W	sICEX03MV
1700	240186		BTXP	XBT 13	TAM 52-337S	56-523W	sICEX03MV
1900	240186		BTXP	XBT 14	TAM 52-264S	56-191W	sICEX03MV
2100	240186		BTXP	XBT 15	TAM 52-199S	55-443W	sICEX03MV
2300	240186		BTXP	XBT 16	TAM 52-144S	55-100W	sICEX03MV
0100	250186		BTXP	XBT 17	TAM 52-093S	54-339W	sICEX03MV
0200	250186		BTXP	XBT 18	TAM 52-068S	54-163W	sICEX03MV
0300	250186		BTXP	XBT 19	TAM 52-040S	53-586W	sICEX03MV
0500	250186		BTXP	XBT 20	TAM 51-564S	53-242W	sICEX03MV
0500	250186		BTXP	XBT 20	TAM 51-564S	53-242W	sICEX03MV
0700	250186		BTXP	XBT 21	TAM 51-474S	52-528W	sICEX03MV
0800	250186		BTXP	XBT 22	TAM 51-438S	52-379W	sICEX03MV
0900	250186		BTXP	XBT 23	TAM 51-406S	52-214W	sICEX03MV
0915	250186		BTXP	XBT 24	TAM 51-398S	52-171W	sICEX03MV
1000	250186		BTXP	XBT 25	TAM 51-375S	52-047W	sICEX03MV
1100	250186		BTXP	XBT 26	TAM 51-349S	51-485W	sICEX03MV
1217	250186		BTXP	XBT 27	TAM 51-313S	51-281W	sICEX03MV
1300	250186		BTXP	XBT 28	TAM 51-293S	51-163W	sICEX03MV
1400	250186		BTXP	XBT 29	TAM 51-268S	51-002W	sICEX03MV
1500	250186		BTXP	XBT 30	TAM 51-239S	50-438W	sICEX03MV

#GMT #TIME	DDMMYY DATE	LOC T TIME Z	SAMP CODE	SAMPLE IDENTIFIER	DISP CODE	LAT.	LONG.	CRUISE LEG-SHIP
1600	250186		BTXP	XBT 31	TAM	51-208S	50-288W	sICEXO3MV
1700	250186		BTXP	XBT 32	TAM	51-176S	50-144W	sICEXO3MV
1800	250186		BTXP	XBT 33	TAM	51-144S	50-004W	sICEXO3MV
1900	250186		BTXP	XBT 34	TAM	51-114S	49-472W	sICEXO3MV
2000	250186		BTXP	XBT 35	TAM	51-089S	49-359W	sICEXO3MV
2100	250186		BTXP	XBT 36	TAM	51-056S	49-228W	sICEXO3MV
2200	250186		BTXP	XBT 37	TAM	51-020S	49-082W	sICEXO3MV
2300	250186		BTXP	XBT 38	TAM	50-581S	48-528W	sICEXO3MV
0000	260186		BTXP	XBT 39	TAM	50-540S	48-380W	sICEXO3MV
0100	260186		BTXP	XBT 40	TAM	50-499S	48-233W	sICEXO3MV
0200	260186		BTXP	XBT 41	TAM	50-462S	48-081W	sICEXO3MV
0300	260186		BTXP	XBT 42	TAM	50-434S	47-526W	sICEXO3MV
0400	260186		BTXP	XBT 43	TAM	50-408S	47-375W	sICEXO3MV
0500	260186		BTXP	XBT 44	TAM	50-382S	47-224W	sICEXO3MV
0605	260186		BTXP	XBT 46	TAM	50-356S	47-065W	sICEXO3MV
0700	260186		BTXP	XBT 47	TAM	50-334S	46-533W	sICEXO3MV
0800	260186		BTXP	XBT 48	TAM	50-309S	46-377W	sICEXO3MV
0900	260186		BTXP	XBT 49	TAM	50-285S	46-214W	sICEXO3MV
1000	260186		BTXP	XBT 50	TAM	50-258S	46-058W	sICEXO3MV
1100	260186		BTXP	XBT 51	TAM	50-230S	45-502W	sICEXO3MV
1200	260186		BTXP	XBT 52	TAM	50-192S	45-342W	sICEXO3MV
1300	260186		BTXP	XBT 53	TAM	50-163S	45-177W	sICEXO3MV
1400	260186		BTXP	XBT 54	TAM	50-129S	45-008W	sICEXO3MV
1500	260186		BTXP	XBT 55	TAM	50-094S	44-435W	sICEXO3MV
1600	260186		BTXP	XBT 56	TAM	50-058S	44-264W	sICEXO3MV
1700	260186		BTXP	XBT 57	TAM	50-022S	44-102W	sICEXO3MV
1800	260186		BTXP	XBT 58	TAM	49-587S	43-539W	sICEXO3MV
1900	260186		BTXP	XBT 59	TAM	49-555S	43-379W	sICEXO3MV
2000	260186		BTXP	XBT 60	TAM	49-522S	43-218W	sICEXO3MV
2100	260186		BTXP	XBT 61	TAM	49-490S	43-061W	sICEXO3MV
2200	260186		BTXP	XBT 62	TAM	49-458S	42-503W	sICEXO3MV
2300	260186		BTXP	XBT 63	TAM	49-425S	42-337W	sICEXO3MV
0000	270186		BTXP	XBT 64	TAM	49-390S	42-170W	sICEXO3MV
0100	270186		BTXP	XBT 65	TAM	49-354S	42-004W	sICEXO3MV
0200	270186		BTXP	XBT 66	TAM	49-319S	41-437W	sICEXO3MV
0300	270186		BTXP	XBT 67	TAM	49-308S	41-261W	sICEXO3MV
0400	270186		BTXP	XBT 68	TAM	49-263S	41-178W	sICEXO3MV
0620	290186		BTXP	XBT 69	TAM	47-378S	41-118W	sICEXO3MV
0755	290186		BTXP	XBT 70	TAM	47-547S	41-061W	sICEXO3MV
1000	290186		BTXP	XBT 71	TAM	48-167S	40-562W	sICEXO3MV
1100	290186		BTXP	XBT 72	TAM	48-274S	40-499W	sICEXO3MV
1200	290186		BTXP	XBT 73	TAM	48-379S	40-434W	sICEXO3MV
1300	290186		BTXP	XBT 74	TAM	48-485S	40-359W	sICEXO3MV
1400	290186		BTXP	XBT 75	TAM	48-590S	40-279W	sICEXO3MV
1500	290186		BTXP	XBT 76	TAM	49-090S	40-221W	sICEXO3MV
1600	290186		BTXP	XBT 77	TAM	49-193S	40-223W	sICEXO3MV
1700	290186		BTXP	XBT 78	TAM	49-296S	40-205W	sICEXO3MV
1750	290186		BTXP	XBT 79	TAM	49-375S	40-169W	sICEXO3MV

#GMT #TIME #	DDMMYY DATE	LOC T TIME Z	SAMP CODE	SAMPLE IDENTIFIER	DISP CODE	LAT.	LONG.	CRUISE LEG-SHIP
1800	290186		BTXP	XBT 80	TAM	49-374S	40-169W	sICEXO3MV
2300	290186		BTXP	XBT 81	TAM	49-322S	39-543W	sICEXO3MV
0600	300186		BTXP	XBT 82	TAM	49-262S	39-069W	sICEXO3MV
1655	300186		BTXP	XBT 83	TAM	49-247S	38-297W	sICEXO3MV
0620	310186		BTXP	XBT 84	TAM	49-171S	37-487W	sICEXO3MV
1642	310186		BTXP	XBT 85	TAM	49-125S	37-024W	sICEXO3MV
1900	310186		BTXP	XBT 86	TAM	49-079S	36-354W	sICEXO3MV
1150	010286		BTXP	XBT 87	TAM	49-296S	36-200W	sICEXO3MV
1315	010286		BTXP	XBT 88	TAM	49-217S	36-242W	sICEXO3MV
1515	010286		BTXP	XBT 89	TAM	49-089S	36-326W	sICEXO3MV
1705	010286		BTXP	XBT 90	TAM	49-063S	36-051W	sICEXO3MV
0100	030286		BTXP	XBT 91	TAM	48-515S	36-151W	sICEXO3MV
0200	030286		BTXP	XBT 92	TAM	48-592S	36-035W	sICEXO3MV
0300	030286		BTXP	XBT 93	TAM	49-068S	35-512W	sICEXO3MV
0400	030286		BTXP	XBT 94	TAM	49-160S	35-410W	sICEXO3MV
1212	030286		BTXP	XBT 95	TAM	49-231S	35-453W	sICEXO3MV
1232	040286		BTXP	XBT 96	TAM	48-532S	35-381W	sICEXO3MV
1400	040286		BTXP	XBT 97	TAM	48-599S	35-189W	sICEXO3MV
1600	040286		BTXP	XBT 98	TAM	48-541S	35-103W	sICEXO3MV
0930	060286		BTXP	XBT 99	TAM	47-573S	35-074W	sICEXO3MV
1747	060286		BTXP	XBT 100	TAM	47-488S	34-395W	sICEXO3MV
1927	060286		BTXP	XBT 101	TAM	47-543S	34-120W	sICEXO3MV
2058	060286		BTXP	XBT 102	TAM	48-006S	33-484W	sICEXO3MV
2300	060286		BTXP	XBT 103	TAM	48-090S	33-178W	sICEXO3MV
0100	070286		BTXP	XBT 104	TAM	48-170S	32-467W	sICEXO3MV
0300	070286		BTXP	XBT 105	TAM	48-225S	32-171W	sICEXO3MV
1000	070286		BTXP	XBT 106	TAM	48-344S	31-412W	sICEXO3MV
1058	070286		BTXP	XBT 107	TAM	48-424S	31-297W	sICEXO3MV
1832	070286		BTXP	XBT 108	TAM	48-509S	30-571W	sICEXO3MV
2002	070286		BTXP	XBT 109	TAM	48-511S	30-330W	sICEXO3MV
2202	070286		BTXP	XBT 110	TAM	48-518S	30-020W	sICEXO3MV
0000	080286		BTXP	XBT 111	TAM	48-522S	29-311W	sICEXO3MV
0158	080286		BTXP	XBT 112	TAM	48-520S	28-580W	sICEXO3MV
0402	080286		BTXP	XBT 113	TAM	48-523S	28-229W	sICEXO3MV
0600	080286		BTXP	XBT 114	TAM	48-521S	27-509W	sICEXO3MV
0800	080286		BTXP	XBT 115	TAM	48-511S	27-171W	sICEXO3MV
1000	080286		BTXP	XBT 116	TAM	48-490S	26-436W	sICEXO3MV
1205	080286		BTXP	XBT 117	TAM	48-476S	26-075W	sICEXO3MV
1355	080286		BTXP	XBT 118	TAM	48-478S	25-376W	sICEXO3MV
1602	080286		BTXP	XBT 119	TAM	48-522S	25-050W	sICEXO3MV
1700	080286		BTXP	XBT 120	TAM	48-526S	24-499W	sICEXO3MV
1729	080286		BTXP	XBT 121	TAM	48-524S	24-425W	sICEXO3MV
0205	090286		BTXP	XBT 122	TAM	49-013S	24-145W	sICEXO3MV
1832	090286		BTXP	XBT 123	TAM	49-318S	25-369W	sICEXO3MV
1934	090286		BTXP	XBT 124	TAM	49-365S	25-492W	sICEXO3MV
0132	100286		BTXP	XBT 125	TAM	49-462S	26-128W	sICEXO3MV
1759	100286		BTXP	XBT 126	TAM	50-255S	27-113W	sICEXO3MV
1902	100286		BTXP	XBT 127	TAM	50-364S	27-137W	sICEXO3MV

#GMT #TIME	DDMMYY DATE	LOC T TIME Z	SAMP CODE	SAMPLE IDENTIFIER	DISP CODE	LAT.	LONG.	CRUISE LEG-SHIP
2000	100286		BTXP	XBT 128	TAM	50-431S	27-251W	sICEX03MV
2100	100286		BTXP	XBT 129	TAM	50-507S	27-348W	sICEX03MV
0300	110286		BTXP	XBT 130	TAM	51-090S	28-026W	sICEX03MV
0930	110286		BTXP	XBT 131	TAM	51-230S	28-357W	sICEX03MV
1730	110286		BTXP	XBT 132	TAM	51-268S	29-173W	sICEX03MV
1930	110286		BTXP	XBT 133	TAM	51-216S	29-481W	sICEX03MV
2100	110286		BTXP	XBT 134	TAM	51-170S	30-111W	sICEX03MV
2300	110286		BTXP	XBT 135	TAM	51-110S	30-424W	sICEX03MV
0100	120286		BTXP	XBT 136	TAM	51-061S	31-148W	sICEX03MV
0219	120286		BTXP	XBT 137	TAM	51-046S	31-355W	sICEX03MV
0300	120286		BTXP	XBT 138	TAM	51-037S	31-476W	sICEX03MV
0500	120286		BTXP	XBT 139	TAM	51-003S	32-203W	sICEX03MV
0700	120286		BTXP	XBT 140	TAM	50-540S	32-515W	sICEX03MV
0904	120286		BTXP	XBT 141	TAM	50-474S	33-249W	sICEX03MV
1100	120286		BTXP	XBT 142	TAM	50-412S	33-564W	sICEX03MV
1301	120286		BTXP	XBT 143	TAM	50-361S	34-299W	sICEX03MV
1459	120286		BTXP	XBT 144	TAM	50-333S	35-035W	sICEX03MV
1559	120286		BTXP	XBT 145	TAM	50-318S	35-202W	sICEX03MV
1701	120286		BTXP	XBT 146	TAM	50-285S	35-370W	sICEX03MV
1801	120286		BTXP	XBT 147	TAM	50-253S	35-530W	sICEX03MV
1857	120286		BTXP	XBT 148	TAM	50-236S	36-078W	sICEX03MV
2001	120286		BTXP	XBT 149	TAM	50-227S	36-243W	sICEX03MV
2100	120286		BTXP	XBT 150	TAM	50-220S	36-405W	sICEX03MV
2159	120286		BTXP	XBT 151	TAM	50-205S	36-561W	sICEX03MV
2301	120286		BTXP	XBT 152	TAM	50-188S	37-123W	sICEX03MV
0000	130286		BTXP	XBT 153	TAM	50-150S	37-274W	sICEX03MV
0100	130286		BTXP	XBT 154	TAM	50-115S	37-434W	sICEX03MV
0200	130286		BTXP	XBT 155	TAM	50-077S	37-598W	sICEX03MV
0328	130286		BTXP	XBT 156	TAM	50-025S	38-232W	sICEX03MV
0438	130286		BTXP	XBT 157	TAM	49-592S	38-422W	sICEX03MV
0530	130286		BTXP	XBT 158	TAM	49-568S	38-563W	sICEX03MV
0630	130286		BTXP	XBT 159	TAM	49-545S	39-133W	sICEX03MV
0803	130286		BTXP	XBT 160	TAM	49-514S	39-386W	sICEX03MV
0900	130286		BTXP	XBT 161	TAM	49-489S	39-536W	sICEX03MV
1000	130286		BTXP	XBT 162	TAM	49-467S	40-091W	sICEX03MV
1158	130286		BTXP	XBT 163	TAM	49-427S	40-381W	sICEX03MV
1400	130286		BTXP	XBT 164	TAM	49-365S	41-049W	sICEX03MV
1504	140286		BTXP	XBT 165	TAM	48-454S	41-149W	sICEX03MV
1627	150286		BTXP	XBT 166	TAM	49-204S	38-348W	sICEX03MV
1730	150286		BTXP	XBT 167	TAM	49-172S	38-225W	sICEX03MV
1922	150286		BTXP	XBT 168	TAM	49-158S	38-125W	sICEX03MV
1936	150286		BTXP	XBT 169	TAM	49-138S	38-123W	sICEX03MV
1951	150286		BTXP	XBT 170	TAM	49-116S	38-120W	sICEX03MV
2007	150286		BTXP	XBT 171	TAM	49-091S	38-115W	sICEX03MV
2022	150286		BTXP	XBT 172	TAM	49-067S	38-111W	sICEX03MV
2034	150286		BTXP	XBT 173	TAM	49-047S	38-107W	sICEX03MV
2056	150286		BTXP	XBT 174	TAM	49-012S	38-101W	sICEX03MV
2111	150286		BTXP	XBT 175	TAM	48-588S	38-097W	sICEX03MV



#GMT #TIME	DDMMYY DATE	LOC TIME	T Z	SAMP CODE	SAMPLE IDENTIFIER	DISP CODE	LAT.	LONG.	CRUISE LEG-SHIP
2125	150286			BTXP	XBT 176	TAM	48-565S	38-094W	sICEX03MV
2140	150286			BTXP	XBT 177	TAM	48-541S	38-090W	sICEX03MV
2155	150286			BTXP	XBT 178	TAM	48-517S	38-087W	sICEX03MV
2210	150286			BTXP	XBT 179	TAM	48-494S	38-082W	sICEX03MV
2228	150286			BTXP	XBT 180	TAM	48-467S	38-076W	sICEX03MV
2245	150286			BTXP	XBT 181	TAM	48-442S	38-070W	sICEX03MV
2300	150286			BTXP	XBT 182	TAM	48-419S	38-065W	sICEX03MV
2319	150286			BTXP	XBT 183	TAM	48-404S	38-034W	sICEX03MV
2333	150286			BTXP	XBT 184	TAM	48-398S	38-003W	sICEX03MV
2345	150286			BTXP	XBT 185	TAM	48-394S	37-576W	sICEX03MV
0003	160286			BTXP	XBT 186	TAM	48-386S	37-536W	sICEX03MV
0047	160286			BTXP	XBT 187	TAM	48-372S	37-435W	sICEX03MV
0133	160286			BTXP	XBT 188	TAM	48-362S	37-328W	sICEX03MV
0137	160286			BTXP	XBT 189	TAM	48-361S	37-318W	sICEX03MV
0235	160286			BTXP	XBT 190	TAM	48-367S	37-182W	sICEX03MV
0330	160286			BTXP	XBT 191	TAM	48-379S	37-060W	sICEX03MV
0430	160286			BTXP	XBT 192	TAM	48-439S	37-022W	sICEX03MV
0600	160286			BTXP	XBT 193	TAM	48-523S	37-010W	sICEX03MV
0700	160286			BTXP	XBT 194	TAM	49-006S	36-591W	sICEX03MV
0800	160286			BTXP	XBT 195	TAM	49-095S	36-550W	sICEX03MV
0900	160286			BTXP	XBT 196	TAM	49-128S	37-041W	sICEX03MV
1000	160286			BTXP	XBT 197	TAM	49-138S	37-181W	sICEX03MV
0130	170286			BTXP	XBT 198	TAM	49-032S	38-019W	sICEX03MV
0230	170286			BTXP	XBT 199	TAM	49-012S	38-139W	sICEX03MV
0330	170286			BTXP	XBT 200	TAM	49-012S	38-257W	sICEX03MV
1111	170286			BTXP	XBT 201	TAM	49-034S	38-475W	sICEX03MV
1142	170286			BTXP	XBT 202	TAM	49-073S	38-475W	sICEX03MV
1251	170286			BTXP	XBT 203	TAM	49-066S	39-002W	sICEX03MV
1318	170286			BTXP	XBT 204	TAM	49-035S	39-037W	sICEX03MV
1402	170286			BTXP	XBT 205	TAM	49-057S	39-093W	sICEX03MV
1424	170286			BTXP	XBT 206	TAM	49-092S	39-083W	sICEX03MV
1502	170286			BTXP	XBT 207	TAM	49-104S	39-149W	sICEX03MV
1526	170286			BTXP	XBT 208	TAM	49-068S	39-153W	sICEX03MV
1541	170286			BTXP	XBT 209	TAM	49-047S	39-147W	sICEX03MV
1820	170286			BTXP	XBT 210	TAM	49-060S	39-391W	sICEX03MV
0600	180286			BTXP	XBT 211	TAM	49-057S	40-064W	sICEX03MV
0700	180286			BTXP	XBT 212	TAM	49-130S	40-129W	sICEX03MV
0800	180286			BTXP	XBT 213	TAM	49-211S	40-137W	sICEX03MV
1000	180286			BTXP	XBT 214	TAM	49-121S	40-273W	sICEX03MV
1159	180286			BTXP	XBT 215	TAM	48-571S	40-462W	sICEX03MV
1340	180286			BTXP	XBT 216	TAM	48-466S	41-064W	sICEX03MV
2043	180286			BTXP	XBT 217	TAM	48-255S	41-168W	sICEX03MV
0356	190286			BTXP	XBT 218	TAM	48-010S	41-154W	sICEX03MV
1230	190286			BTXP	XBT 219	TAM	47-241S	41-133W	sICEX03MV

#GMT #TIME	DDMMYY DATE	LOC TIME	T Z	SAMP CODE	SAMPLE IDENTIFIER	DISP CODE	LAT.	LONG.	CRUISE LEG-SHIP
2001	190286			BTXP	XBT 220	TAM	47-160S	41-256W	sICEX03MV
2202	190286			BTXP	XBT 221	TAM	47-218S	41-474W	sICEX03MV
0000	200286			BTXP	XBT 222	TAM	47-273S	42-086W	sICEX03MV
0200	200286			BTXP	XBT 223	TAM	47-313S	42-301W	sICEX03MV
0400	200286			BTXP	XBT 224	TAM	47-321S	42-514W	sICEX03MV
0615	200286			BTXP	XBT 225	TAM	47-357S	43-134W	sICEX03MV
0800	200286			BTXP	XBT 226	TAM	47-375S	43-312W	sICEX03MV
1000	200286			BTXP	XBT 227	TAM	47-403S	43-527W	sICEX03MV
1201	200286			BTXP	XBT 228	TAM	47-447S	44-135W	sICEX03MV
1355	200286			BTXP	XBT 229	TAM	47-476S	44-322W	sICEX03MV
1554	200286			BTXP	XBT 230	TAM	47-495S	44-535W	sICEX03MV
1801	200286			BTXP	XBT 231	TAM	47-528S	45-173W	sICEX03MV
1959	200286			BTXP	XBT 232	TAM	47-565S	45-392W	sICEX03MV
2204	200286			BTXP	XBT 233	TAM	48-016S	46-000W	sICEX03MV
0001	210286			BTXP	XBT 234	TAM	48-067S	46-196W	sICEX03MV
0200	210286			BTXP	XBT 235	TAM	48-122S	46-406W	sICEX03MV
0257	210286			BTXP	XBT 236	TAM	48-140S	46-507W	sICEX03MV
0400	210286			BTXP	XBT 237	TAM	48-153S	47-030W	sICEX03MV
0430	210286			BTXP	XBT 238	TAM	48-160S	47-085W	sICEX03MV
0530	210286			BTXP	XBT 239	TAM	48-172S	47-192W	sICEX03MV
0629	210286			BTXP	XBT 240	TAM	48-184S	47-298W	sICEX03MV
0730	210286			BTXP	XBT 241	TAM	48-196S	47-418W	sICEX03MV
0830	210286			BTXP	XBT 242	TAM	48-212S	47-529W	sICEX03MV
1000	210286			BTXP	XBT 243	TAM	48-231S	48-094W	sICEX03MV
1200	210286			BTXP	XBT 244	TAM	48-245S	48-300W	sICEX03MV
1357	210286			BTXP	XBT 245	TAM	48-266S	48-484W	sICEX03MV
1559	210286			BTXP	XBT 246	TAM	48-296S	49-070W	sICEX03MV
1753	210286			BTXP	XBT 247	TAM	48-326S	49-244W	sICEX03MV
1958	210286			BTXP	XBT 248	TAM	48-361S	49-433W	sICEX03MV
2101	210286			BTXP	XBT 249	TAM	48-378S	49-540W	sICEX03MV
2200	210286			BTXP	XBT 250	TAM	48-396S	50-034W	sICEX03MV
2300	210286			BTXP	XBT 251	TAM	48-420S	50-143W	sICEX03MV
0000	220286			BTXP	XBT 252	TAM	48-444S	50-252W	sICEX03MV
0059	220286			BTXP	XBT 253	TAM	48-463S	50-359W	sICEX03MV
0200	220286			BTXP	XBT 254	TAM	48-476S	50-474W	sICEX03MV
0258	220286			BTXP	XBT 255	TAM	48-488S	50-588W	sICEX03MV
0400	220286			BTXP	XBT 256	TAM	48-502S	51-109W	sICEX03MV
0500	220286			BTXP	XBT 257	TAM	48-512S	51-227W	sICEX03MV
0600	220286			BTXP	XBT 258	TAM	48-524S	51-344W	sICEX03MV
0700	220286			BTXP	XBT 259	TAM	48-542S	51-460W	sICEX03MV

#GMT #TIME	DDMMYY DATE	LOC T TIME Z	SAMP CODE	SAMPLE IDENTIFIER	DISP CODE	LAT.	LONG.	CRUISE LEG-SHIP
0800	220286		BTXP	XBT 260	TAM	48-568S	51-568W	sICEX03MV
0900	220286		BTXP	XBT 261	TAM	48-596S	52-069W	sICEX03MV
1000	220286		BTXP	XBT 262	TAM	49-023S	52-169W	sICEX03MV
1100	220286		BTXP	XBT 263	TAM	49-046S	52-274W	sICEX03MV
1200	220286		BTXP	XBT 264	TAM	49-072S	52-382W	sICEX03MV
1310	220286		BTXP	XBT 265	TAM	49-101S	52-519W	sICEX03MV
1401	220286		BTXP	XBT 266	TAM	49-116S	53-020W	sICEX03MV
1503	220286		BTXP	XBT 267	TAM	49-132S	53-147W	sICEX03MV
1602	220286		BTXP	XBT 268	TAM	49-151S	53-272W	sICEX03MV
1703	220286		BTXP	XBT 269	TAM	49-177S	53-402W	sICEX03MV
1801	220286		BTXP	XBT 270	TAM	49-202S	53-527W	sICEX03MV
1902	220286		BTXP	XBT 271	TAM	49-229S	54-063W	sICEX03MV
1959	220286		BTXP	XBT 272	TAM	49-253S	54-194W	sICEX03MV
2059	220286		BTXP	XBT 273	TAM	49-277S	54-335W	sICEX03MV
2158	220286		BTXP	XBT 274	TAM	49-307S	54-479W	sICEX03MV
0001	230286		BTXP	XBT 275	TAM	49-376S	55-171W	sICEX03MV
0200	230286		BTXP	XBT 276	TAM	49-448S	55-443W	sICEX03MV
0405	230286		BTXP	XBT 277	TAM	49-509S	56-120W	sICEX03MV
0600	230286		BTXP	XBT 278	TAM	49-550S	56-377W	sICEX03MV
0758	230286		BTXP	XBT 279	TAM	49-595S	57-040W	sICEX03MV
1000	230286		BTXP	XBT 280	TAM	50-041S	57-345W	sICEX03MV

\*\*\*SEA SURFACE SALINITY\*\*\*

0500	250186		SSSA	SURFACE SALINITY	TAM	51-564S	53-242W	sICEX03MV
0700	250186		SSSA	SURFACE SALINITY	TAM	51-474S	52-528W	sICEX03MV
0800	250186		SSSA	SURFACE SALINITY	TAM	51-438S	52-379W	sICEX03MV
0900	250186		SSSA	SURFACE SALINITY	TAM	51-406S	52-214W	sICEX03MV
0915	250186		SSSA	SURFACE SALINITY	TAM	51-398S	52-171W	sICEX03MV
1000	250186		SSSA	SURFACE SALINITY	TAM	51-375S	52-047W	sICEX03MV
1100	250186		SSSA	SURFACE SALINITY	TAM	51-349S	51-485W	sICEX03MV
1217	250186		SSSA	SURFACE SALINITY	TAM	51-313S	51-281W	sICEX03MV
1300	250186		SSSA	SURFACE SALINITY	TAM	51-293S	51-163W	sICEX03MV
1400	250186		SSSA	SURFACE SALINITY	TAM	51-268S	51-002W	sICEX03MV
1500	250186		SSSA	SURFACE SALINITY	TAM	51-239S	50-438W	sICEX03MV
1600	250186		SSSA	SURFACE SALINITY	TAM	51-208S	50-288W	sICEX03MV
1700	250186		SSSA	SURFACE SALINITY	TAM	51-176S	50-144W	sICEX03MV
1800	250186		SSSA	SURFACE SALINITY	TAM	51-144S	50-004W	sICEX03MV
1900	250186		SSSA	SURFACE SALINITY	TAM	51-114S	49-472W	sICEX03MV
2000	250186		SSSA	SURFACE SALINITY	TAM	51-089S	49-359W	sICEX03MV
2100	250186		SSSA	SURFACE SALINITY	TAM	51-056S	49-228W	sICEX03MV
2200	250186		SSSA	SURFACE SALINITY	TAM	51-020S	49-082W	sICEX03MV
2300	250186		SSSA	SURFACE SALINITY	TAM	50-581S	48-528W	sICEX03MV
0000	260186		SSSA	SURFACE SALINITY	TAM	50-540S	48-380W	sICEX03MV
0100	260186		SSSA	SURFACE SALINITY	TAM	50-499S	48-233W	sICEX03MV
0200	260186		SSSA	SURFACE SALINITY	TAM	50-462S	48-081W	sICEX03MV
0300	260186		SSSA	SURFACE SALINITY	TAM	50-434S	47-526W	sICEX03MV
0400	260186		SSSA	SURFACE SALINITY	TAM	50-408S	47-375W	sICEX03MV
0500	260186		SSSA	SURFACE SALINITY	TAM	50-382S	47-224W	sICEX03MV

#GMT #TIME #	DDMMYY DATE	LOC T TIME Z	SAMP CODE	SAMPLE IDENTIFIER	DISP CODE	LAT.	LONG.	CRUISE LEG-SHIP
0605	260186		SSSA	SURFACE SALINITY	TAM 50-356S	47-065W	sICEX03MV	
0700	260186		SSSA	SURFACE SALINITY	TAM 50-334S	46-533W	sICEX03MV	
0800	260186		SSSA	SURFACE SALINITY	TAM 50-309S	46-377W	sICEX03MV	
0900	260186		SSSA	SURFACE SALINITY	TAM 50-285S	46-214W	sICEX03MV	
1000	260186		SSSA	SURFACE SALINITY	TAM 50-258S	46-058W	sICEX03MV	
1100	260186		SSSA	SURFACE SALINITY	TAM 50-230S	45-502W	sICEX03MV	
1200	260186		SSSA	SURFACE SALINITY	TAM 50-192S	45-342W	sICEX03MV	
1300	260186		SSSA	SURFACE SALINITY	TAM 50-163S	45-177W	sICEX03MV	
1400	260186		SSSA	SURFACE SALINITY	TAM 50-129S	45-008W	sICEX03MV	
1500	260186		SSSA	SURFACE SALINITY	TAM 50-094S	44-435W	sICEX03MV	
1600	260186		SSSA	SURFACE SALINITY	TAM 50-058S	44-264W	sICEX03MV	
1700	260186		SSSA	SURFACE SALINITY	TAM 50-022S	44-102W	sICEX03MV	
1800	260186		SSSA	SURFACE SALINITY	TAM 49-587S	43-539W	sICEX03MV	
1900	260186		SSSA	SURFACE SALINITY	TAM 49-555S	43-379W	sICEX03MV	
2000	260186		SSSA	SURFACE SALINITY	TAM 49-522S	43-218W	sICEX03MV	
2100	260186		SSSA	SURFACE SALINITY	TAM 49-490S	43-061W	sICEX03MV	
2200	260186		SSSA	SURFACE SALINITY	TAM 49-458S	42-503W	sICEX03MV	
2300	260186		SSSA	SURFACE SALINITY	TAM 49-425S	42-337W	sICEX03MV	
0000	270186		SSSA	SURFACE SALINITY	TAM 49-390S	42-170W	sICEX03MV	
0100	270186		SSSA	SURFACE SALINITY	TAM 49-354S	42-004W	sICEX03MV	
0200	270186		SSSA	SURFACE SALINITY	TAM 49-319S	41-437W	sICEX03MV	
0300	270186		SSSA	SURFACE SALINITY	TAM 49-308S	41-261W	sICEX03MV	
0400	270186		SSSA	SURFACE SALINITY	TAM 49-263S	41-178W	sICEX03MV	

\*\*\*CURRENT METER MOORINGS\*\*\*

0910	270186		CMAB B	CURRENT METER	OSU 49-296S	41-172W	sICEX03MV	
1800	250286		CMAB C	MOORING-01 2455M	OSU 49-296S	41-172W	sICEX03MV	
1407	270186		CMAB B	CURRENT METER	OSU 49-212S	41-188W	sICEX03MV	
1800	250286		CMAB C	MOORING-02 5530M	OSU 49-212S	41-188W	sICEX03MV	
1927	270186		CMAB B	CURRENT METER	OSU 49-113S	41-139W	sICEX03MV	
1800	250286		CMAB C	MOORING-03 5050M	OSU 49-113S	41-139W	sICEX03MV	
0331	280186		CMAB B	CURRENT METER	OSU 48-497S	41-103W	sICEX03MV	
1800	250286		CMAB C	MOORING-04 5235M	OSU 48-497S	41-103W	sICEX03MV	
1421	280186		CMAB B	CURRENT METER	OSU 48-310S	41-182W	sICEX03MV	
1800	250286		CMAB C	MOORING-05 5650M	OSU 48-310S	41-182W	sICEX03MV	
2119	280186		CMAB B	CURRENT METER	OSU 48-070S	41-170W	sICEX03MV	
1800	250286		CMAB C	MOORING-06 5855M	OSU 48-070S	41-170W	sICEX03MV	
0433	290186		CMAB B	CURRENT METER	OSU 47-288S	41-136W	sICEX03MV	
1800	250286		CMAB C	MOORING-07 5965M	OSU 47-288S	41-136W	sICEX03MV	
1506	300186		CMAB B	CURRENT METER	OSU 49-228S	38-424W	sICEX03MV	
1800	250286		CMAB C	MOORING-08 4645M	OSU 49-228S	38-424W	sICEX03MV	

#GMT	DDMMYY	LOC T	SAMP	SAMPLE	DISP			CRUISE
#TIME	DATE	TIME Z	CODE	IDENTIFIER	CODE	LAT.	LONG.	LEG-SHIP
0258	010286		CMAB B	CURRENT METER	OSU 49-238S		36-290W	sICEX03MV
1800	250286		CMAB C	MOORING-09 4450M	OSU 49-238S		36-290W	sICEX03MV
1723	030286		CMAB B	CURRENT METER	OSU 49-098S		36-067W	sICEX03MV
1800	250286		CMAB C	MOORING-10 4907M	OSU 49-098S		36-067W	sICEX03MV
1127	040286		CMAB B	CURRENT METER	OSU 48-528S		35-385W	sICEX03MV
1800	250286		CMAB C	MOORING-11 5100M	OSU 48-528S		35-385W	sICEX03MV
2001	040286		CMAB B	CURRENT METER	OSU 48-508S		35-087W	sICEX03MV
1800	250286		CMAB C	MOORING-12 3506M	OSU 48-508S		35-087W	sICEX03MV
1340	050286		CMAB B	CURRENT METER	OSU 48-431S		35-087W	sICEX03MV
1800	250286		CMAB C	MOORING-13 5236M	OSU 48-431S		35-087W	sICEX03MV
1749	050286		CMAB B	CURRENT METER	OSU 48-215S		35-091W	sICEX03MV
1800	250286		CMAB C	MOORING-14 5299M	OSU 48-215S		35-091W	sICEX03MV

\*\*\*AIR SAMPLES\*\*\*

1630	220186		AS** B	FREON AIR SAMPLES	RFW 52-417S		70-117W	sICEX03MV
1500	230186		AS** B	FREON AIR SAMPLES	RFW 52-441S		63-413W	sICEX03MV
1230	240186		AS** B	FREON AIR SAMPLES	RFW 52-437S		57-386W	sICEX03MV
1300	250186		AS** B	FREON AIR SAMPLES	RFW 51-293S		51-163W	sICEX03MV
1900	250186		AS** B	FREON AIR SAMPLES	RFW 51-114S		49-472W	sICEX03MV
1300	260186		AS** B	FREON AIR SAMPLES	RFW 50-163S		45-177W	sICEX03MV
1330	290186		AS** B	FREON AIR SAMPLES	RFW 48-539S		40-320W	sICEX03MV
2350	280186		AS** B	FREON AIR SAMPLES	RFW 47-455S		41-178W	sICEX03MV
1830	290186		AS** B	FREON AIR SAMPLES	RFW 49-371S		40-168W	sICEX03MV
1230	300186		AS** B	FREON AIR SAMPLES	RFW 49-258S		38-406W	sICEX03MV
0740	310186		AS** B	FREON AIR SAMPLES	RFW 49-157S		37-283W	sICEX03MV
2125	310186		AS** B	FREON AIR SAMPLES	RFW 49-170S		36-326W	sICEX03MV
2130	010286		AS** B	FREON AIR SAMPLES	RFW 49-071S		36-053W	sICEX03MV
1230	020286		AS** B	FREON AIR SAMPLES	RFW 48-550S		35-493W	sICEX03MV
2130	030286		AS** B	FREON AIR SAMPLES	RFW 48-522S		35-333W	sICEX03MV
1230	040286		AS** B	FREON AIR SAMPLES	RFW 48-531S		35-384W	sICEX03MV
1635	040286		AS** B	FREON AIR SAMPLES	RFW 48-486S		35-116W	sICEX03MV
1900	050286		AS** B	FREON AIR SAMPLES	RFW 48-280S		35-080W	sICEX03MV
1450	060286		AS** B	FREON AIR SAMPLES	RFW 47-439S		35-046W	sICEX03MV
0200	070286		AS** B	FREON AIR SAMPLES	RFW 48-201S		32-315W	sICEX03MV
0000	080286		AS** B	FREON AIR SAMPLES	RFW 48-522S		29-311W	sICEX03MV
2110	080286		AS** B	FREON AIR SAMPLES	RFW 48-523S		24-012W	sICEX03MV
2335	090286		AS** B	FREON AIR SAMPLES	RFW 49-428S		26-041W	sICEX03MV
0215	120286		AS** B	FREON AIR SAMPLES	RFW 51-047S		31-346W	sICEX03MV
1520	120286		AS** B	FREON AIR SAMPLES	RFW 50-328S		35-095W	sICEX03MV
2358	120286		AS** B	FREON AIR SAMPLES	RFW 50-152S		37-269W	sICEX03MV
1150	130286		AS** B	FREON AIR SAMPLES	RFW 49-433S		40-361W	sICEX03MV
1315	150286		AS** B	FREON AIR SAMPLES	RFW 49-217S		38-477W	sICEX03MV
1120	160286		AS** B	FREON AIR SAMPLES	RFW 49-096S		37-261W	sICEX03MV

#GMT	DDMMYY	LOC T	SAMP	SAMPLE	DISP			CRUISE
#TIME	DATE	TIME Z	CODE	IDENTIFIER	CODE	LAT.	LONG.	LEG-SHIP
0600	170286		AS**	B FREON AIR SAMPLES	RFW	49-078S	38-299W	sICEX03MV
0600	180286		AS**	B FREON AIR SAMPLES	RFW	49-057S	40-064W	sICEX03MV
1740	180286		AS**	B FREON AIR SAMPLES	RFW	48-414S	41-172W	sICEX03MV
1145	200286		AS**	B FREON AIR SAMPLES	RFW	47-439S	44-109W	sICEX03MV
0930	210286		AS**	B FREON AIR SAMPLES	RFW	48-226S	48-039W	sICEX03MV
2250	210286		AS**	B FREON AIR SAMPLES	RFW	48-416S	50-125W	sICEX03MV
0950	220286		AS**	B FREON AIR SAMPLES	RFW	49-018S	52-152W	sICEX03MV
2130	220286		AS**	B FREON AIR SAMPLES	RFW	49-293S	54-411W	sICEX03MV
1000	230286		AS**	B FREON AIR SAMPLES	RFW	50-041S	57-345W	sICEX03MV
2215	230286		AS**	B FREON AIR SAMPLES	RFW	50-374S	60-105W	sICEX03MV
0700	240286		AS**	B FREON AIR SAMPLES	RFW	51-053S	62-253W	sICEX03MV
1930	240286		AS**	B FREON AIR SAMPLES	RFW	51-480S	65-361W	sICEX03MV
1100	250286		AS**	B FREON AIR SAMPLES	RFW	52-338S	69-218W	sICEX03MV

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

1214	240186		HCNI	B TSONI D G	#-01	TAM 52-438S	57-389W	sICEX03MV
1315	240186		HCNI	E 24 BTL.	0425M	TAM 52-435S	57-384W	sICEX03MV
1826	290186		HCNI	B TSONI D G	#-02	TAM 49-372S	40-168W	sICEX03MV
2113	290186		HCNI	E 24 BTL.	2486M	TAM 49-356S	40-154W	sICEX03MV
0054	300186		HCNI	B TSONI D G	#-03	TAM 49-291S	39-327W	sICEX03MV
0400	300186		HCNI	E 24 BTL.	3675M	TAM 49-280S	39-312W	sICEX03MV
0805	300186		HCNI	B TSONI D G	#-04	TAM 49-257S	38-406W	sICEX03MV
1158	300186		HCNI	E 24 BTL.	4515M	TAM 49-261S	38-404W	sICEX03MV
1838	300186		HCNI	B TSONI D G	#-05	TAM 49-278S	38-097W	sICEX03MV
2315	300186		HCNI	E 24 BTL.	4870M	TAM 49-255S	38-130W	sICEX03MV
0855	310186		HCNI	B TSONI D G	#-06	TAM 49-197S	37-221W	sICEX03MV
1248	310186		HCNI	E 24 BTL.	5080M	TAM 49-228S	37-199W	sICEX03MV
2330	310186		HCNI	B TSONI D G	#-07	TAM 49-197S	36-307W	sICEX03MV
0743	010286		HCNI	E 24 BTL.	5210M	TAM 49-303S	36-222W	sICEX03MV
2210	010286		HCNI	B TSONI D G	#-08	TAM 49-093S	36-039W	sICEX03MV
0201	020286		HCNI	E 24 BTL.	5092M	TAM 49-110S	36-046W	sICEX03MV
1135	020286		HCNI	B TSONI D G	#-09	TAM 48-546S	35-476W	sICEX03MV
1538	020286		HCNI	E 24 BTL.	5165M	TAM 48-561S	35-526W	sICEX03MV
1927	020286		HCNI	B TSONI D G	#-10	TAM 48-386S	36-255W	sICEX03MV
2330	020286		HCNI	E 24 BTL.	5270M	TAM 48-427S	36-271W	sICEX03MV
0548	030286		HCNI	B TSONI D G	#-11	TAM 49-302S	35-298W	sICEX03MV
0950	030286		HCNI	E 24 BTL.	5010M	TAM 49-312S	35-271W	sICEX03MV
2203	030286		HCNI	B TSONI D G	#-12	TAM 48-540S	35-364W	sICEX03MV
0147	040286		HCNI	E 24 BTL.	5100M	TAM 48-547S	35-394W	sICEX03MV
2107	040286		HCNI	B TSONI D G	#-13	TAM 48-531S	35-113W	sICEX03MV
2351	040286		HCNI	E 24 BTL.	3420M	TAM 48-536S	35-138W	sICEX03MV
0230	050286		HCNI	B TSONI D G	#-14	TAM 48-460S	35-111W	sICEX03MV
0625	050286		HCNI	E 24 BTL.	5370M	TAM 48-469S	35-139W	sICEX03MV

#GMT	DDMMYY	LOC T	SAMP	SAMPLE	DISP	LAT.	LONG.	CRUISE
#TIME	DATE	TIME Z	CODE	IDENTIFIER	CODE			LEG-SHIP
2004	050286		HCNI B	TSONI D G	#-15	TAM 48-349S	35-077W	sICEX03MV
0023	060286		HCNI E	24 BTL.	5406M	TAM 48-354S	35-107W	sICEX03MV
0335	060286		HCNI B	TSONI D G	#-16	TAM 48-123S	35-086W	sICEX03MV
0730	060286		HCNI E	24 BTL.	5350M	TAM 48-126S	35-099W	sICEX03MV
1127	060286		HCNI B	TSONI D G	#-17	TAM 47-428S	35-075W	sICEX03MV
1549	060286		HCNI E	24 BTL.	5600M	TAM 47-445S	35-041W	sICEX03MV
0455	070286		HCNI B	TSONI D G	#-18	TAM 48-245S	31-540W	sICEX03MV
0855	070286		HCNI E	24 BTL.	5002M	TAM 48-267S	31-513W	sICEX03MV
1215	070286		HCNI B	TSONI D G	#-19	TAM 48-519S	31-202W	sICEX03MV
1634	070286		HCNI E	24 BTL.	5603M	TAM 48-514S	31-230W	sICEX03MV
2045	080286		HCNI B	TSONI D G	#-20	TAM 48-519S	24-020W	sICEX03MV
0006	080286		HCNI E	24 BTL.	4475M	TAM 48-522S	29-294W	sICEX03MV
0608	090286		HCNI B	TSONI D G	#-21	TAM 49-100S	24-457W	sICEX03MV
0935	090286		HCNI E	24 BTL.	4597M	TAM 49-109S	24-518W	sICEX03MV
1305	090286		HCNI B	TSONI D G	#-22	TAM 49-234S	25-239W	sICEX03MV
1605	090286		HCNI E	24 BTL.	4580M	TAM 49-243S	25-242W	sICEX03MV
2107	090286		HCNI B	TSONI D G	#-23	TAM 49-418S	26-042W	sICEX03MV
0023	100286		HCNI E	24 BTL.	4669M	TAM 49-433S	26-055W	sICEX03MV
0312	100286		HCNI B	TSONI D G	#-24	TAM 49-536S	26-328W	sICEX03MV
0630	100286		HCNI E	24 BTL.	4403M	TAM 49-538S	26-339W	sICEX03MV
0830	100286		HCNI B	TSONI D G	#-25	TAM 50-041S	26-441W	sICEX03MV
1132	100286		HCNI E	24 BTL.	3399M	TAM 50-067S	26-460W	sICEX03MV
1330	100286		HCNI B	TSONI D G	#-26	TAM 50-074S	26-566W	sICEX03MV
1551	100286		HCNI E	24 BTL.	2810M	TAM 50-071S	26-587W	sICEX03MV
2209	100286		HCNI B	TSONI D G	#-27	TAM 50-575S	27-428W	sICEX03MV
0124	110286		HCNI E	24 BTL.	4420M	TAM 50-598S	27-446W	sICEX03MV
0424	110286		HCNI B	TSONI D G	#-28	TAM 51-162S	28-187W	sICEX03MV
0750	110286		HCNI E	24 BTL.	4875M	TAM 51-156S	28-171W	sICEX03MV
1140	110286		HCNI B	TSONI D G	#-29	TAM 51-309S	28-496W	sICEX03MV
1516	110286		HCNI E	24 BTL.	4835M	TAM 51-305S	28-481W	sICEX03MV
1518	130286		HCNI B	TSONI D G	#-30	TAM 49-350S	41-145W	sICEX03MV
1714	130286		HCNI E	24 BTL.	2100M	TAM 49-351S	41-136W	sICEX03MV
1938	130286		HCNI B	TSONI D G	#-31	TAM 49-246S	41-160W	sICEX03MV
2326	130286		HCNI E	24 BTL.	4545M	TAM 49-243S	41-121W	sICEX03MV
0111	140286		HCNI B	TSONI D G	#-32	TAM 49-180S	41-136W	sICEX03MV
0512	140286		HCNI E	24 BTL.	5410M	TAM 49-177S	41-093W	sICEX03MV
0808	140286		HCNI B	TSONI D G	#-33	TAM 49-002S	41-104W	sICEX03MV
1235	140286		HCNI E	24 BTL.	5200M	TAM 49-023S	41-061W	sICEX03MV
1600	140286		HCNI B	LOST ROSETTE	#-34	TAM 48-396S	41-148W	sICEX03MV
1551	160286		HCNI E	24 BTL.	5660M	TAM 49-089S	37-199W	sICEX03MV