

GEOSECS EXPEDITION

LEG E

R/V MELVILLE

INFORMAL REPORT AND INDEX OF  
NAVIGATION, DEPTH AND MAGNETIC DATA

Honolulu, Hawaii (4 December 1973)

to

Pago Pago, Samoa (29 December 1973)

Chief Scientist - R. Weiss

Resident Marine Tech - S. Witherow

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

G. Psaropulos, R. Lingley, J.L. Abbott

Prepared by

Underway Data Processing Group

S.I.O. Geological Data Center

Scripps Institution of Oceanography

La Jolla, California

March 21, 1975

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.

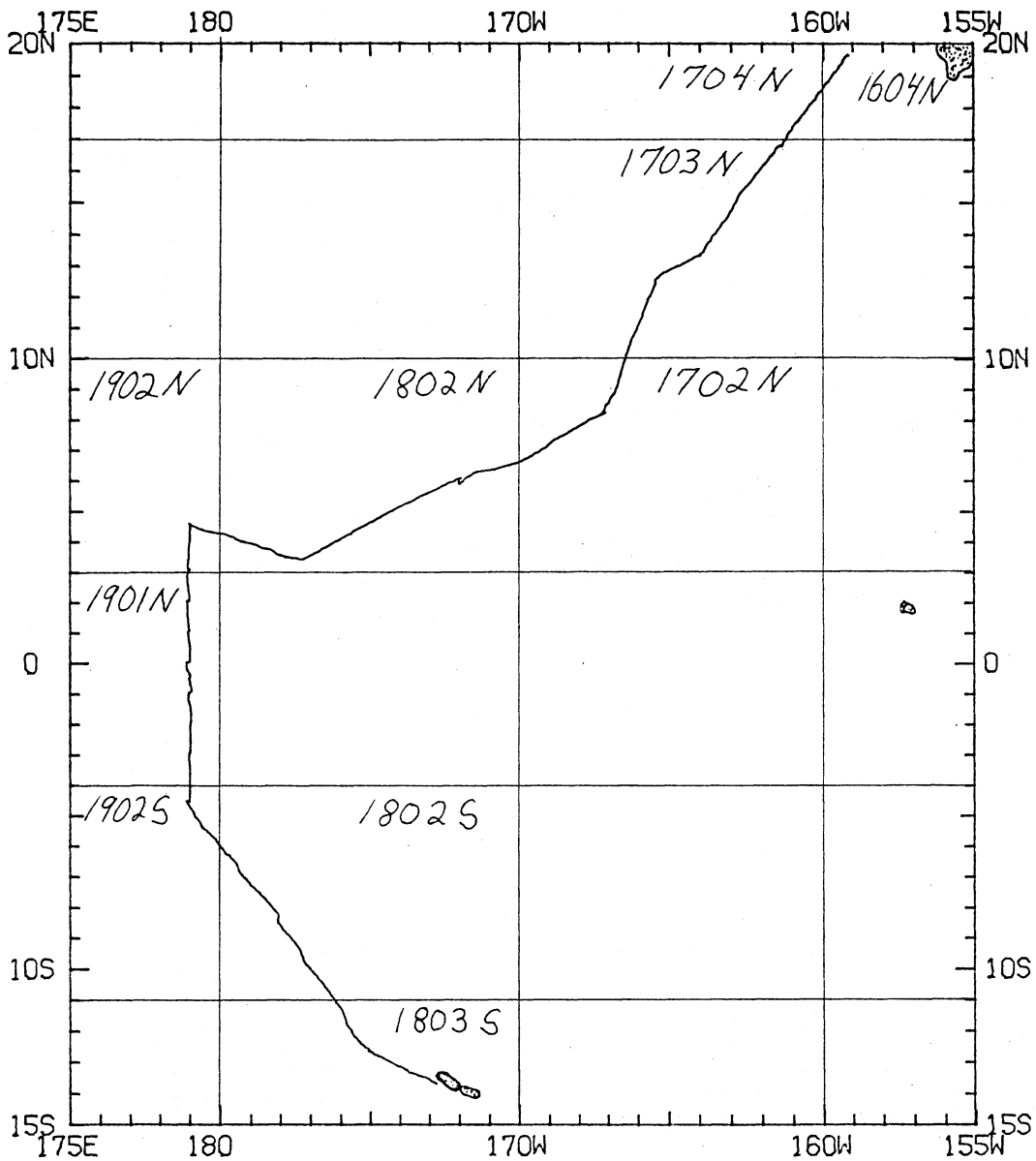
For information on the availability and reproduction costs of data in the following forms, contact T. E. Chase, Curator, Geological Data Center, Scripps Institution of Oceanography, La Jolla, California 92037 (452-2182):

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

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\*no subbottom profiler data for this leg.

Cruise report delayed because shipboard computer/receiver problems required reprocessing of satellite fixes.



GEOSECS EXPEDITION

LEG E

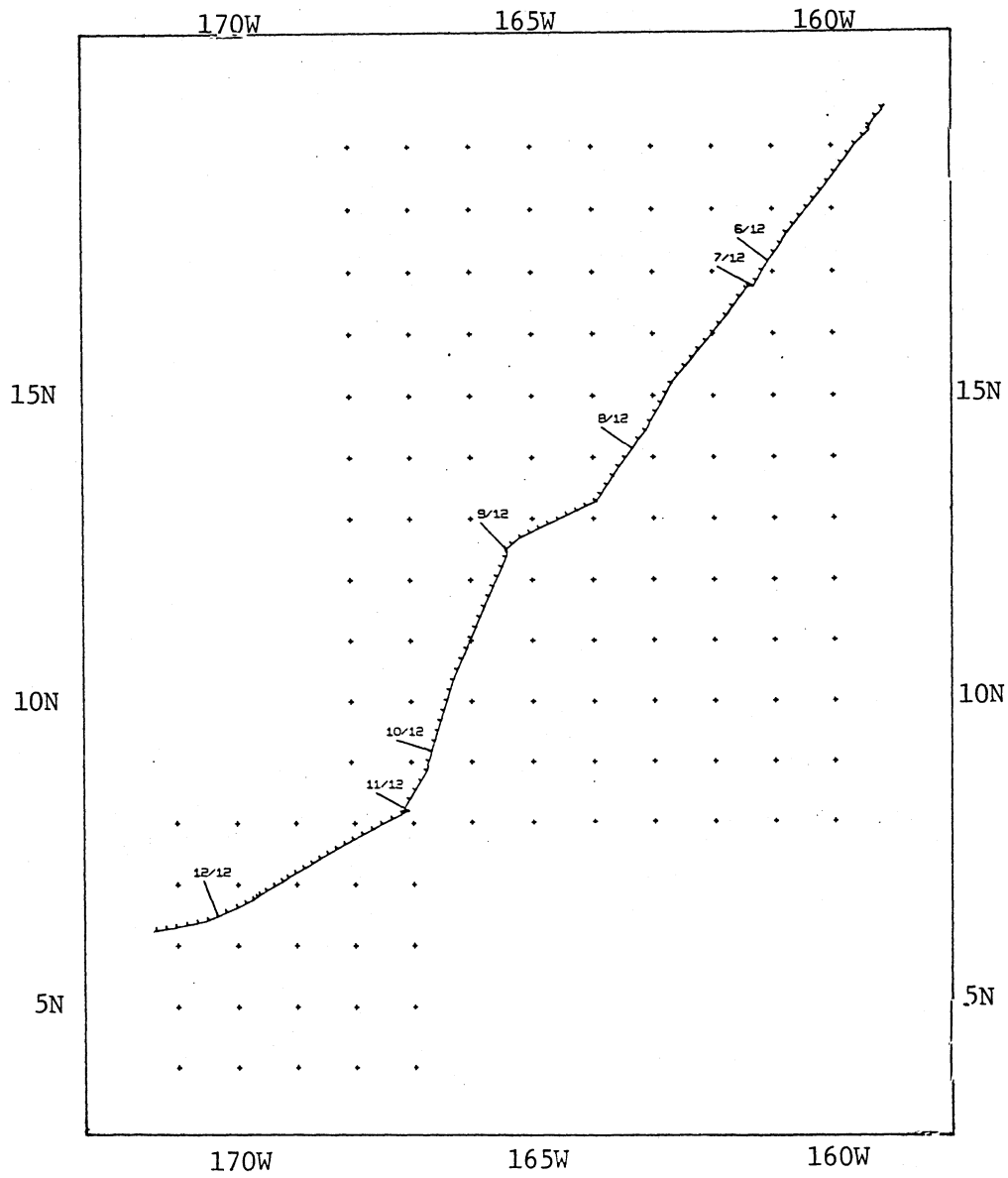
R/V MELVILLE

Chief Scientist - R. Weiss

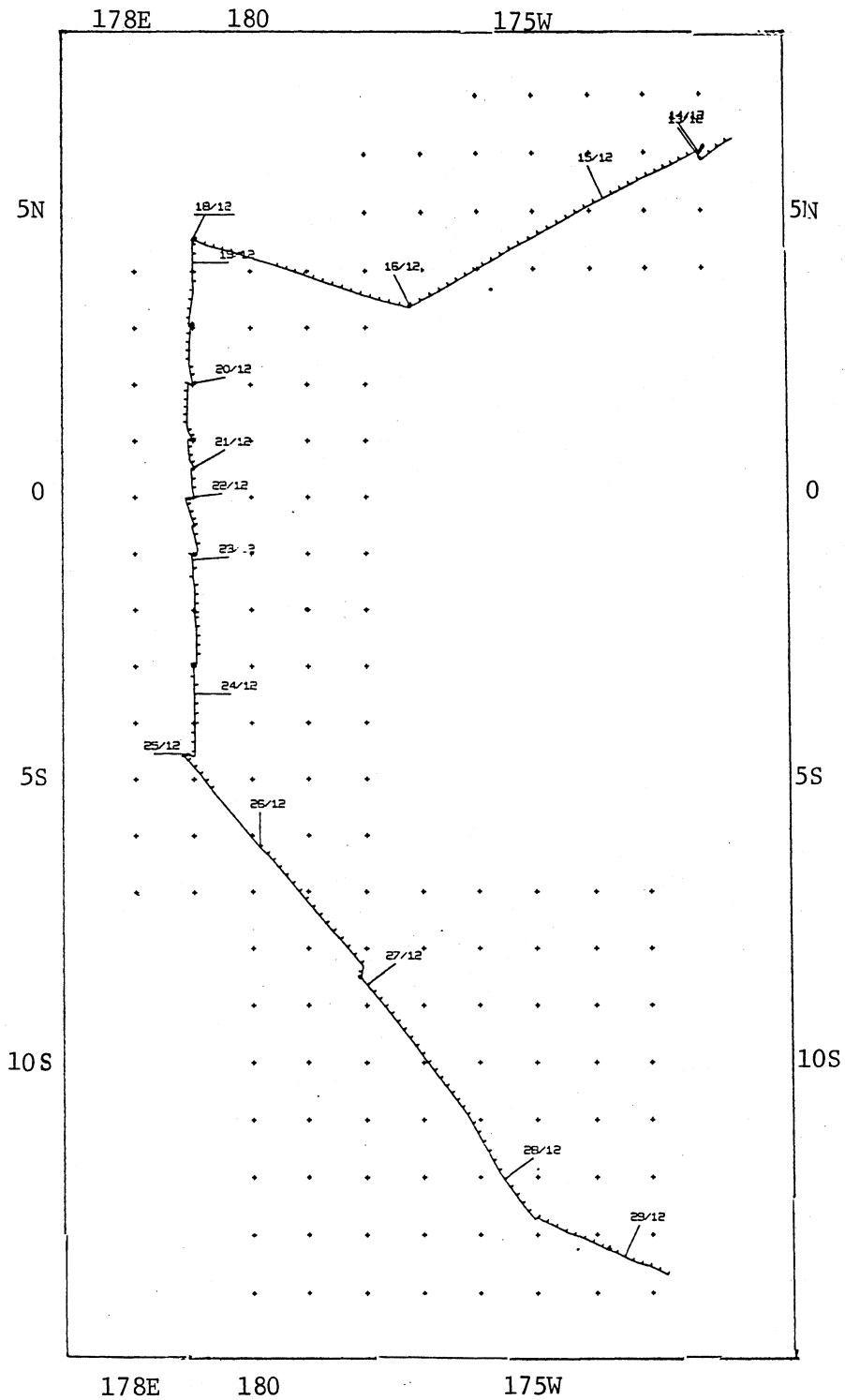
Honolulu - Pago Pago (4 December 1973 - 29 December 1973)

TOTAL MILEAGE

- 1) Cruise - 3252 miles
- 2) Bathymetry - 2272 miles
- 3) Magnetics - 3037 miles
- 4) Seismic Reflection - none collected

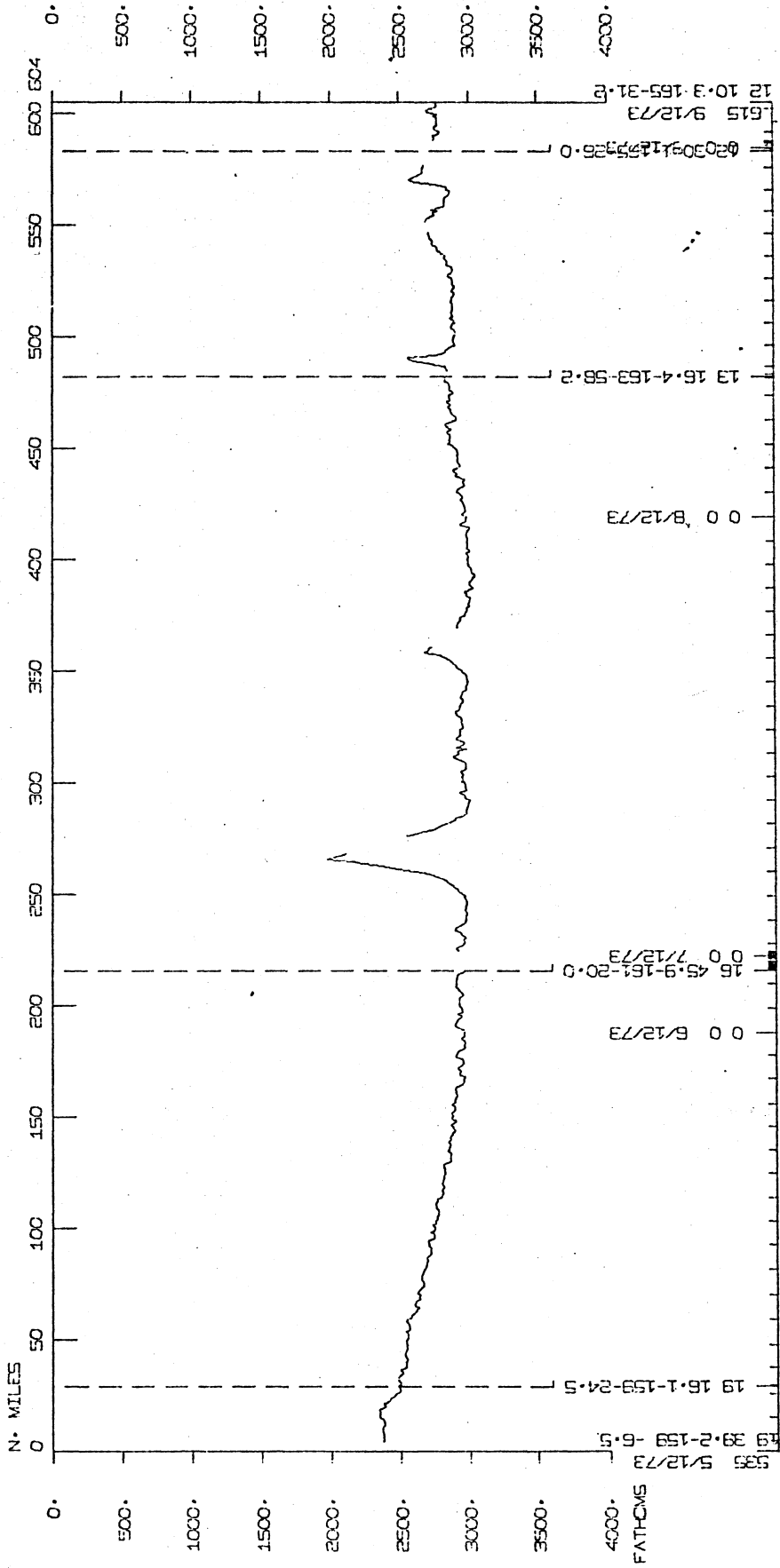
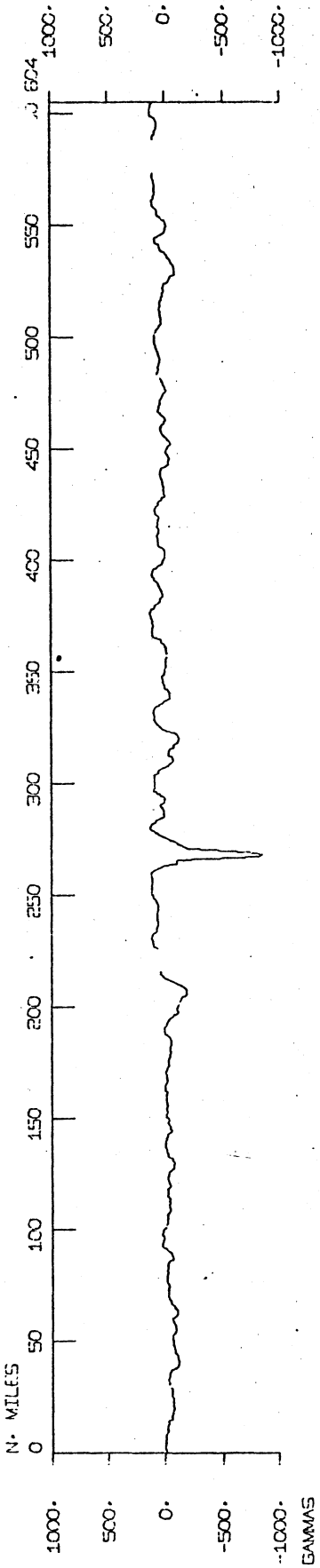


GEOSECS LEG E Track Plot 1 of 2

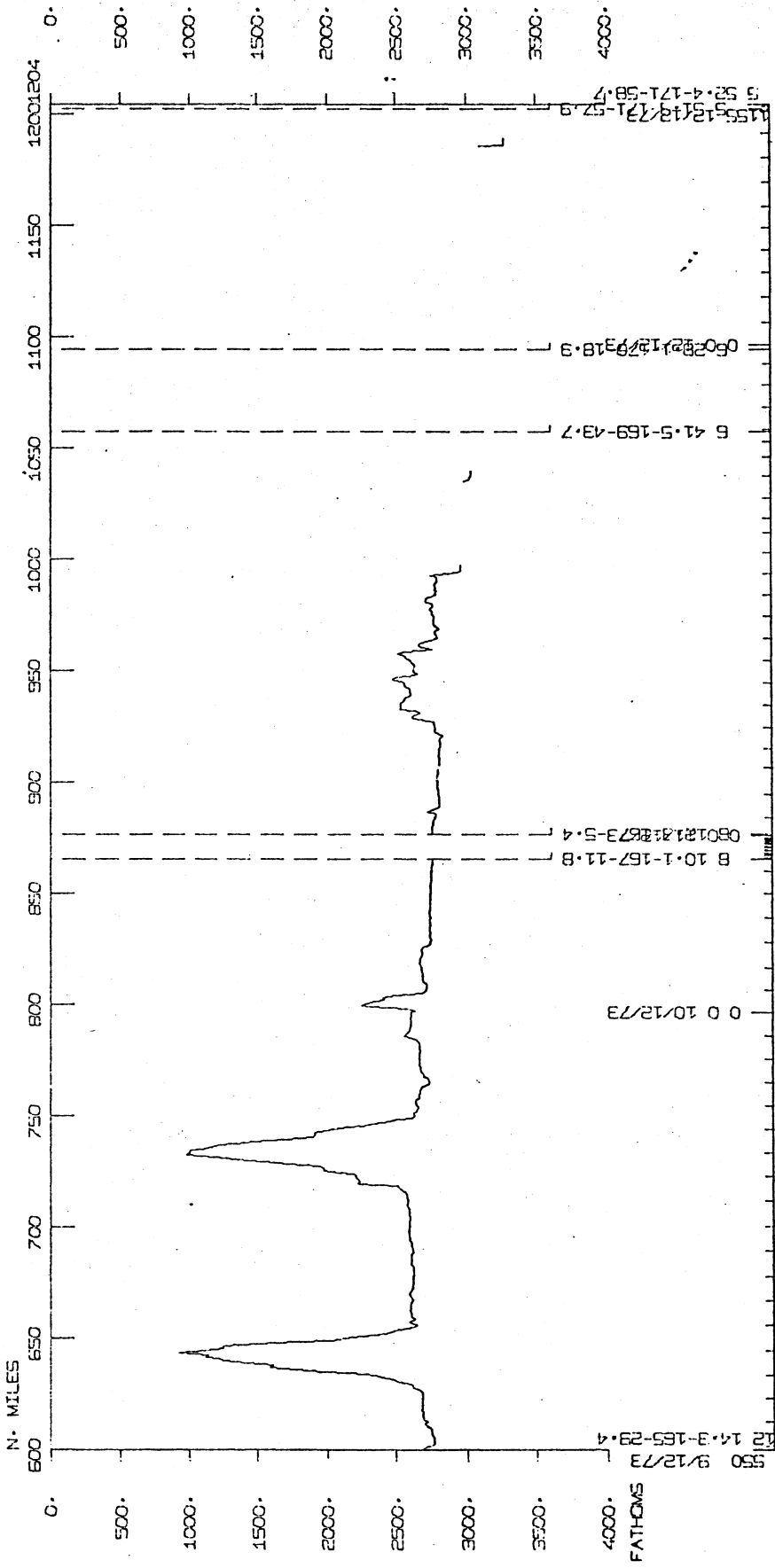
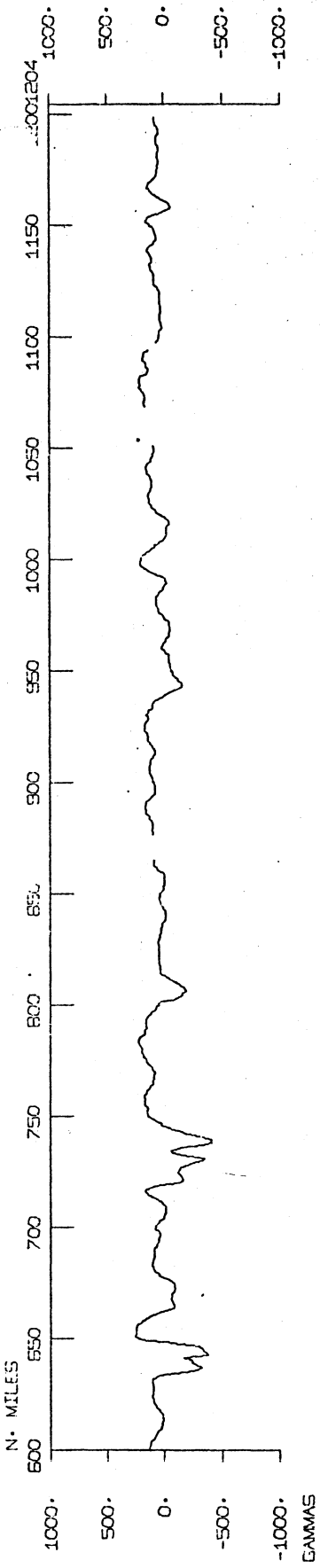


GEOSECS LEG E Track Plot 2 of 2

# GEOSECS LEG F

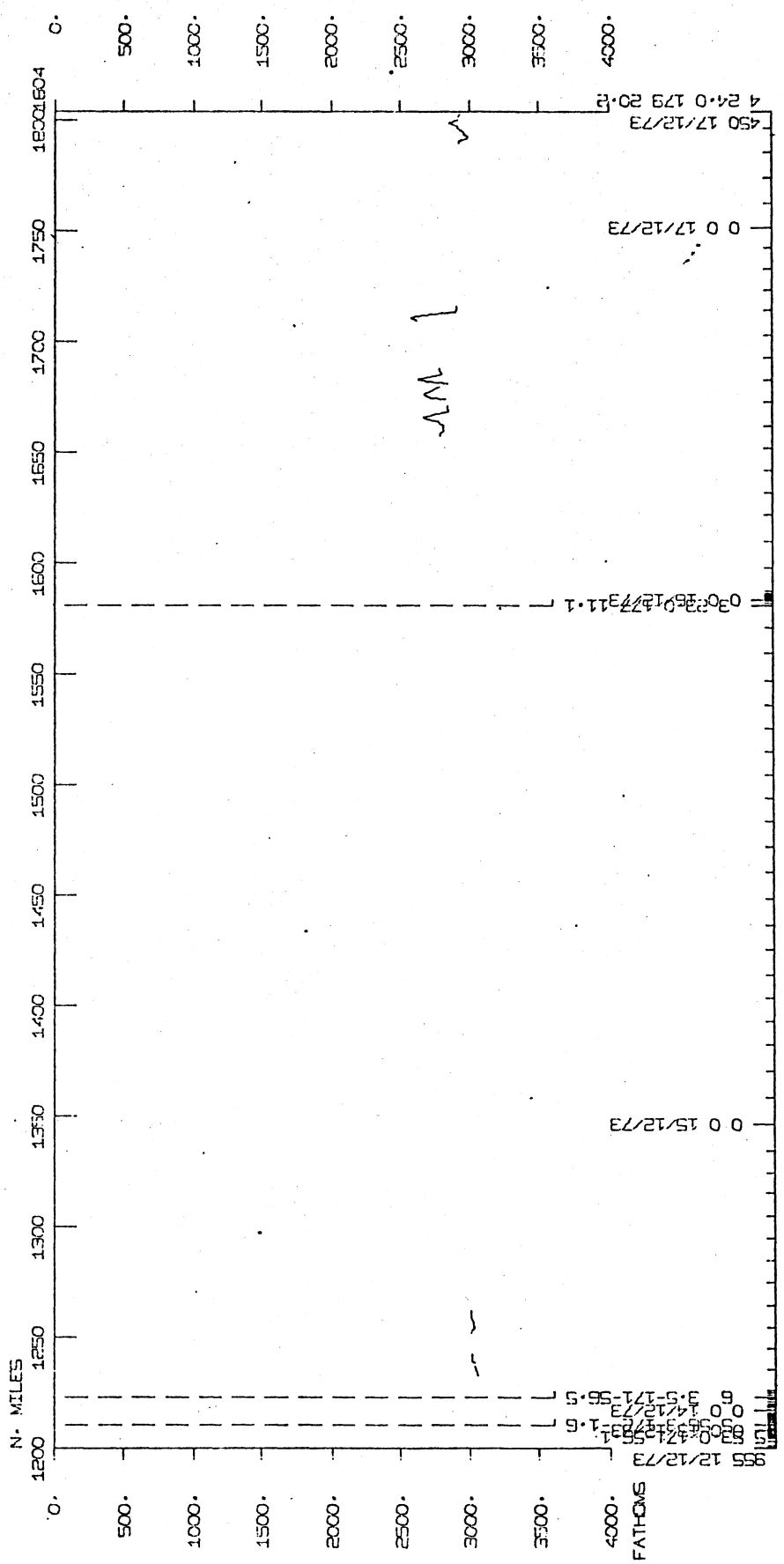
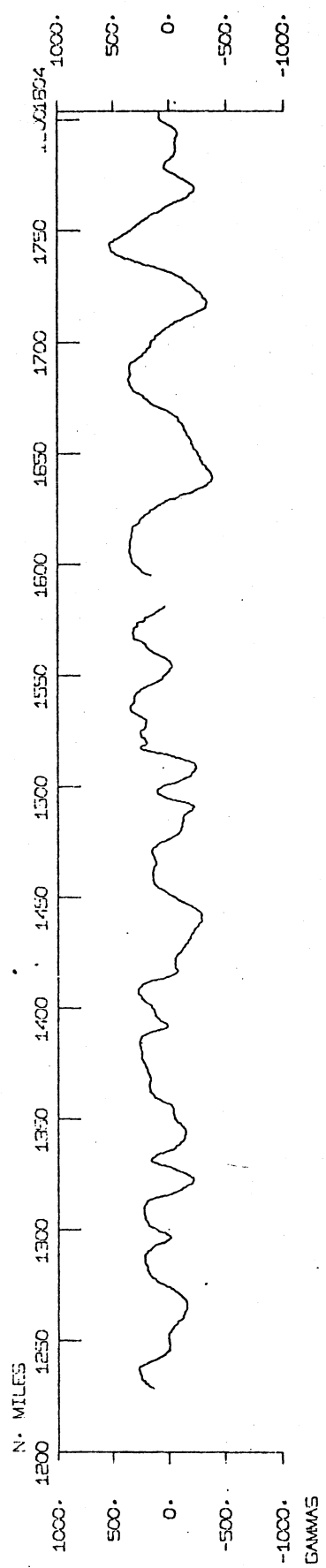


# GEOSECS LEG F



580 9/12/73  
 12 14-3-165-29.4  
 0 0 10/12/73  
 B 10-1-167-11.8  
 080121212673-5.4  
 6 41-5-169-43.7  
 050221212618.9  
 1555 18181271-57.9  
 5 52.4-171-58.7

# GEOSECS LEG F



450 17/12/73  
4 24.0 179 20.2

0 0 17/12/73

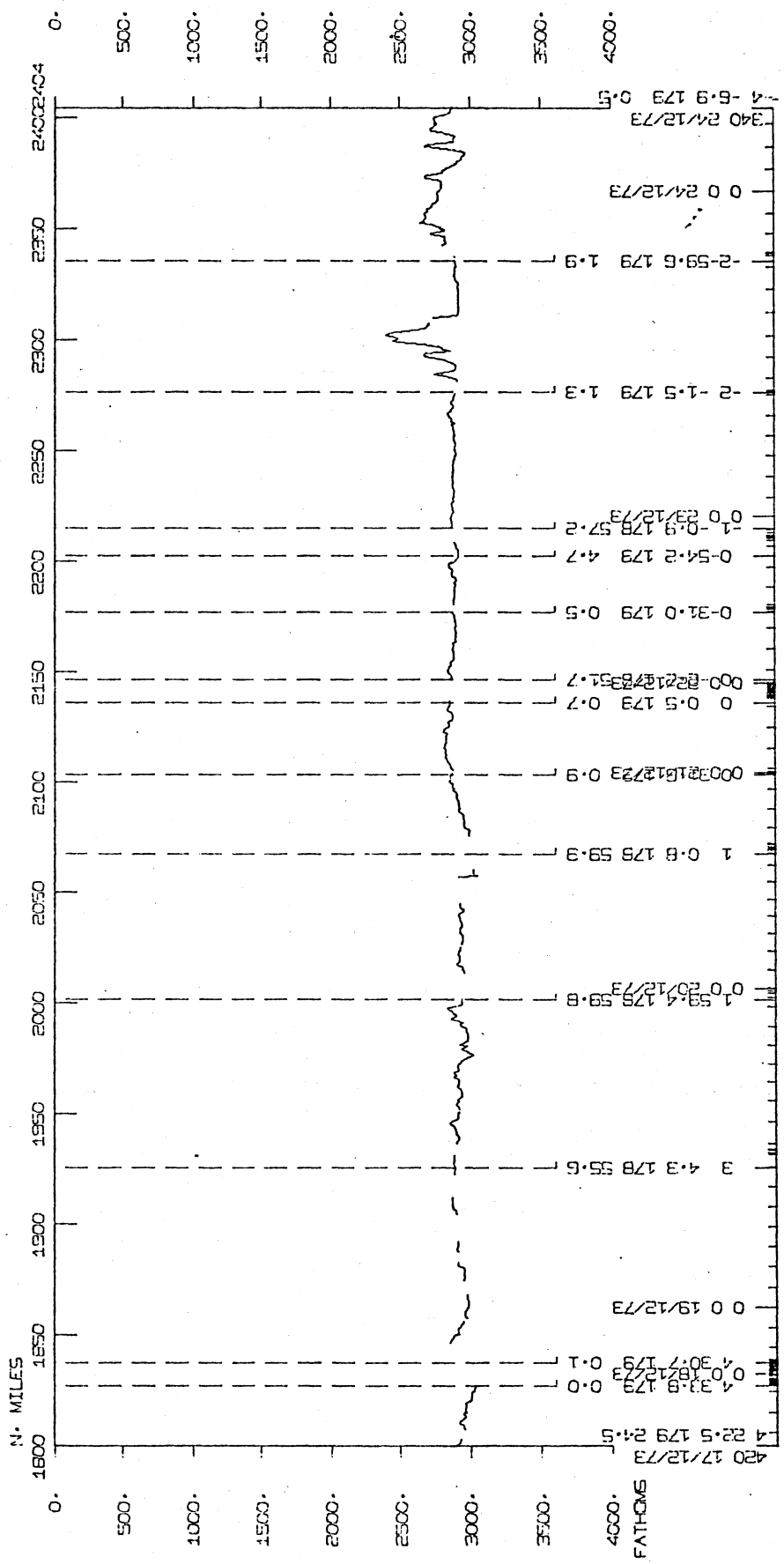
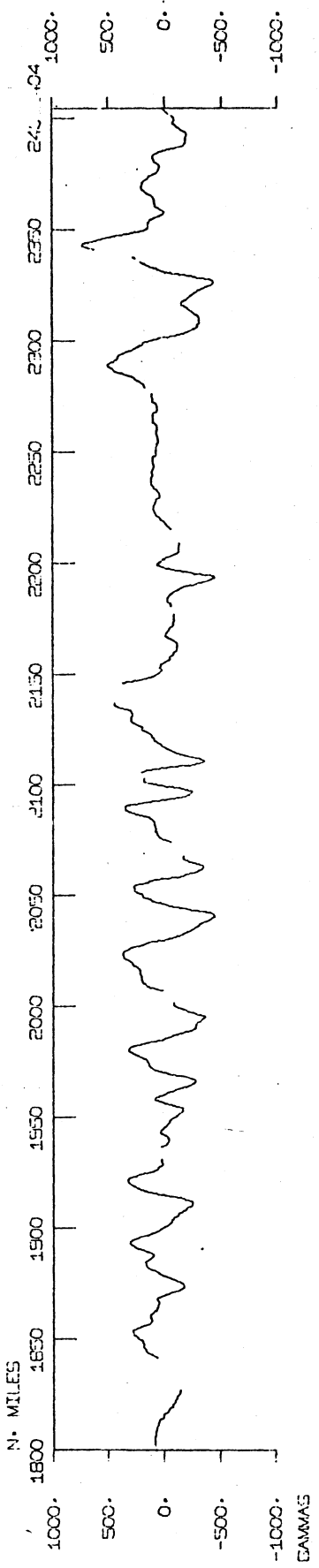
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0 0 15/12/73

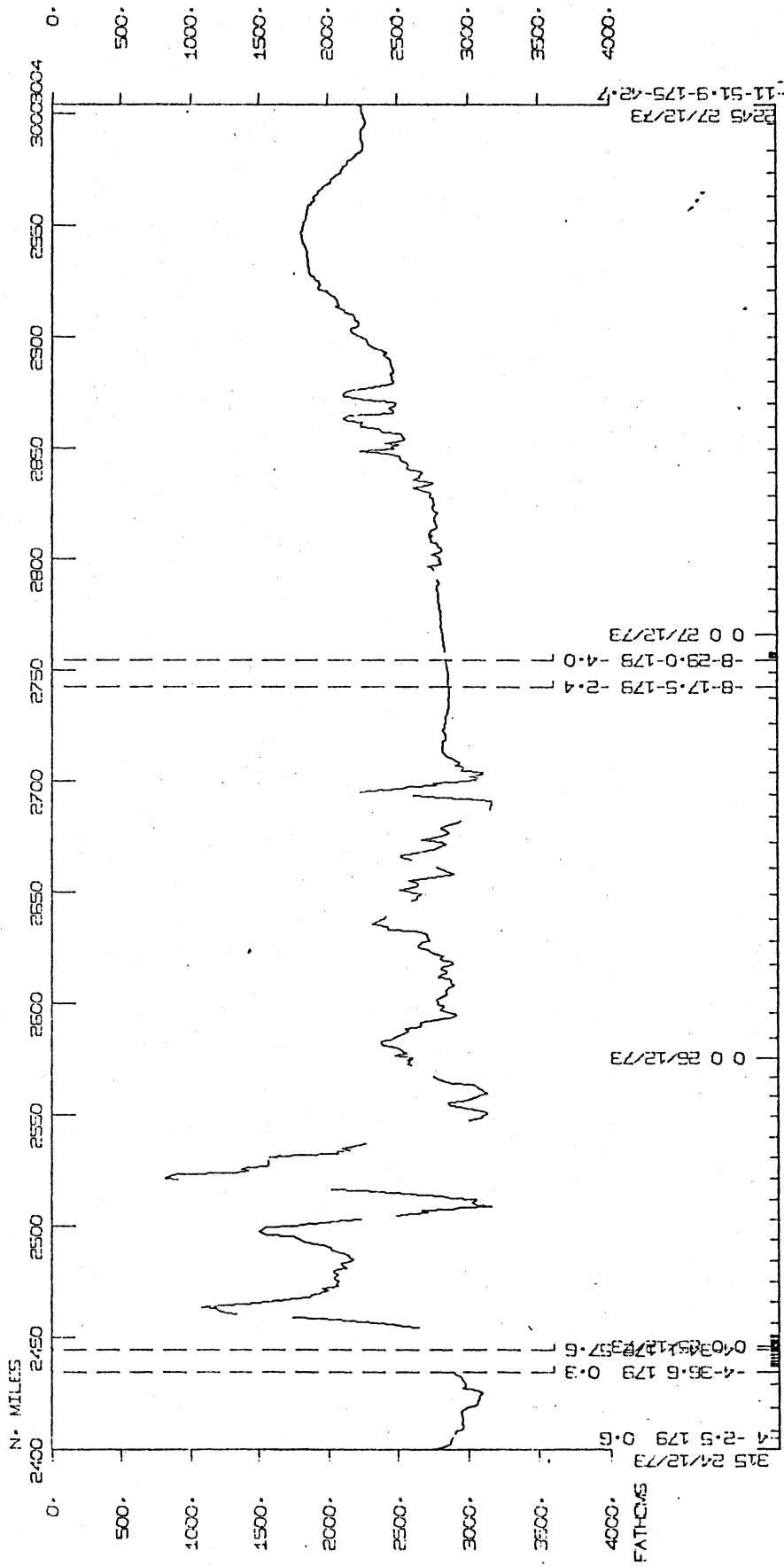
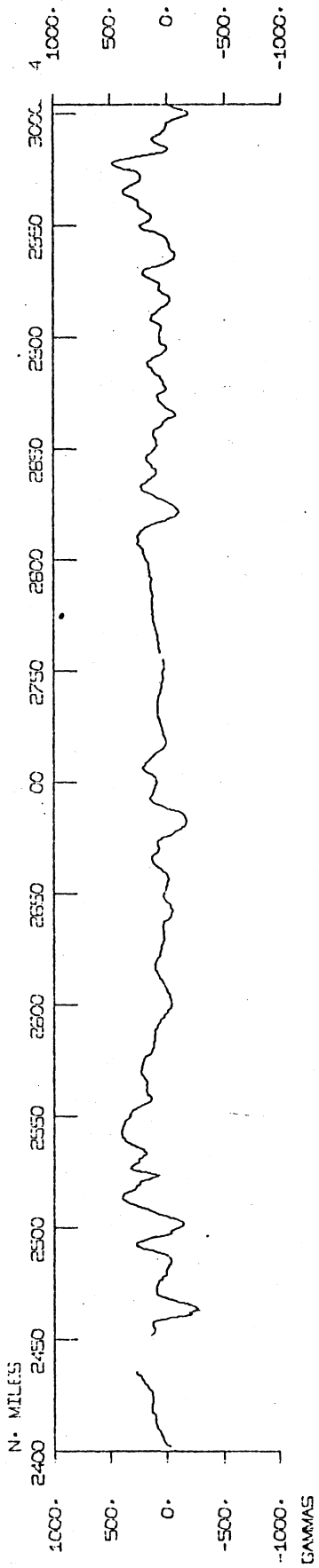
955 12/12/73  
0303861277311.1  
0 0 17/12/73  
3.5-11-55.5  
0 0 17/12/73  
1.6



# GEOSFENS LEG F



# GEOSECS LEG 1



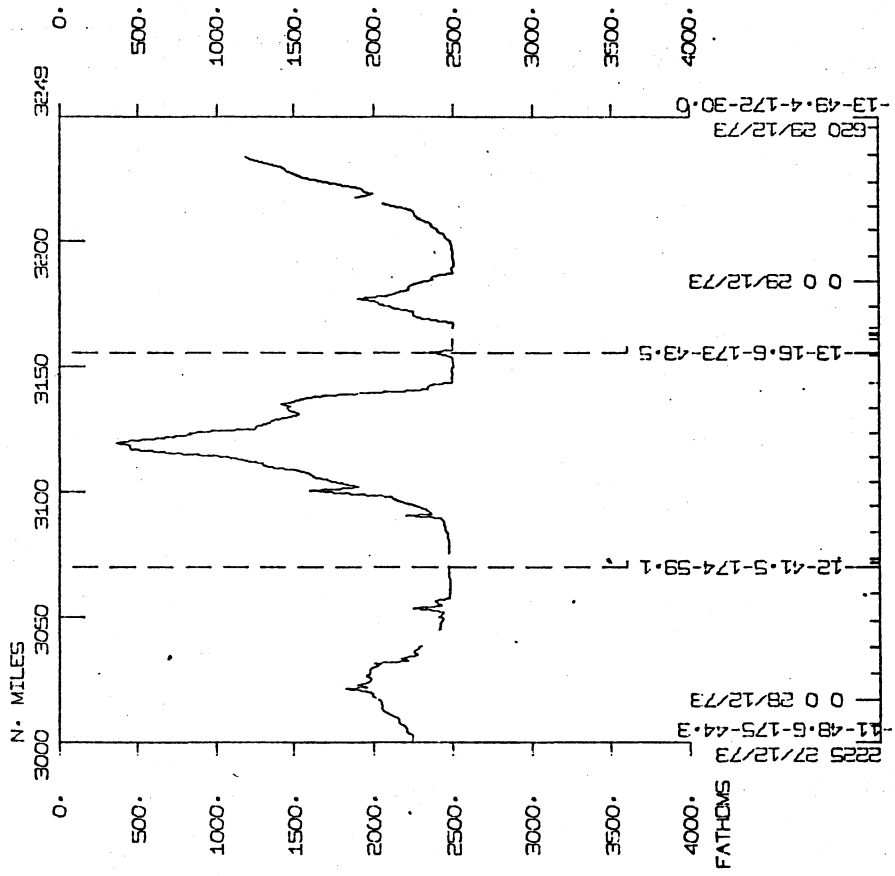
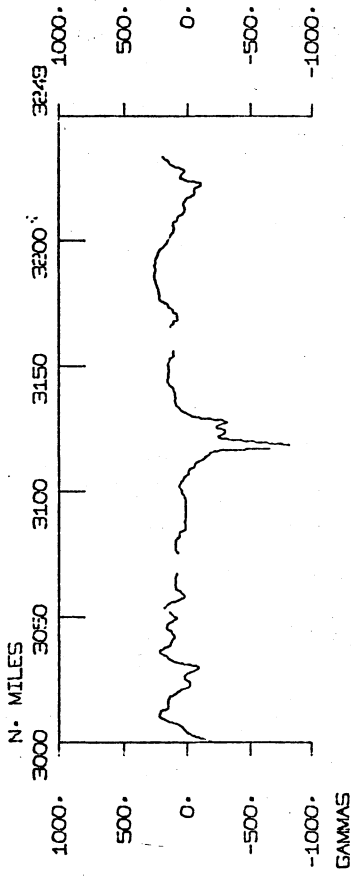
315 24/12/73  
 1-2.5 179 0.6  
 4-35.6 179 0.3  
 0-35.1 179 37.6

0 0 26/12/73

8-17.5-179 -2.4  
 8-29.0-179 -4.0  
 0 0 27/12/73

225 27/12/73  
 11-51.9-179 42.7

# GEOSECS LEG F



SAMPLE INDEX

GEOSECS LEG E

LISTED 17DEC75

700 41273  
800 291273

LGPT B HONOLULU, HAWAII  
LGPT E PAO PAGO, SAMOA

21 112N 157 538W F GEC SOEMV  
13 496S 172 296W F GEC SOEMV

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

0 0 0 0	PECS	WEISS, R.	GOG	0	ON	0	OE	GEC SOEMV
0 0 0 0	PE	FIADAIRO, M.	SIX	0	ON	0	OE	GEC SOEMV
0 0 0 0	PE	KROOPNICK, P.	UHI	0	ON	0	OE	GEC SOEMV
0 0 0 0	PE	MANTYLA, A.	GOG	0	ON	0	OE	GEC SOEMV
0 0 0 0	PECT	SPIEGELBERG, JOH	GOG	0	ON	0	OE	GEC SOEMV
0 0 0 0	PERT	WITHEROW, S.	GRD	0	ON	0	OE	GEC SOEMV
0 0 0 0	PEMT	CUNNINGHAM, L.	GOG	0	ON	0	OE	GEC SOEMV
0 0 0 0	PE	BRENNEN, R.	GOG	0	ON	0	OE	GEC SOEMV
0 0 0 0	PE	BINDER, K.	GOG	0	ON	0	OE	GEC SOEMV
0 0 0 0	PE	BOS, D.	GOG	0	ON	0	OE	GEC SOEMV
0 0 0 0	PE	EVANS, W.	GOG	0	ON	0	OE	GEC SOEMV
0 0 0 0	PE	GILBERT, A.	GOG	0	ON	0	OE	GEC SOEMV
0 0 0 0	PE	HOROWITZ, R.	GOG	0	ON	0	OE	GEC SOEMV
0 0 0 0	PE	JAMES, B.	GOG	0	ON	0	OE	GEC SOEMV
0 0 0 0	PE	KIPP HUT, G.	LDO	0	ON	0	OE	GEC SOEMV
0 0 0 0	PE	RAGAN, P.	GOG	0	ON	0	OE	GEC SOEMV
0 0 0 0	PE	SANCHEZ, F.	GOG	0	ON	0	OE	GEC SOEMV
0 0 0 0	PE	SPIEGELBERG, JOA	GOG	0	ON	0	OE	GEC SOEMV
0 0 0 0	PE	WALDORF, B.	GOG	0	ON	0	OE	GEC SOEMV
0 0 0 0	PE	WHITEHOUSE, B.	GOG	0	ON	0	OE	GEC SOEMV
0 0 0 0	PE	WILLIAMS, R.	GOG	0	ON	0	OE	GEC SOEMV
0 0 0 0	PE	WDY, R.	GOG	0	ON	0	OE	GEC SOEMV
0 0 0 0	PE	YATES, R.	GOG	0	ON	0	OE	GEC SOEMV

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

TIME GMT	DATE D.M.Y.	TIME TZ	SAMP LOC	LOC	SAMP CODE	SAMPLE IDENT.	DISP CODE	LAT.	LONG.	CRUISE LEG-SHIP
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 UNDERWAY DATA - CURATOR T.E. CHASE 2ND FLOOR AQUARIUM (EXT.2182)  
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\*\*\* LOG BOOKS \*\*\*

0541	1273		LBUW	B		GEO PHYSICAL LOG	GDC	21	112N 157 538W	F GEC SOEMV
0500	291273		LBUW	E		GEO PHYSICAL LOG	GDC	13	496S 172 296W	F GEC SOEMV

\*\*\* NAVIGATION PLOTS \*\*\*

2200	41273		NVBP	B		BRIDGE PLOT E-01	GDC	19	392N 159 65W	S GEC SOEMV
2200	51273		NVBP	E		BRIDGE PLOT E-01	GDC	17	267N 160 526W	S GEC SOEMV
2200	51273		NVBP	B		BRIDGE PLOT E-02	GDC	17	267N 160 526W	S GEC SOEMV
1400	91273		NVBP	E		BRIDGE PLOT E-02	GDC	10	521N 166 53W	S GEC SOEMV
1400	91273		NVBP	B		BRIDGE PLOT E-03	GDC	10	521N 166 53W	S GEC SOEMV
1814	181273		NVBP	E		BRIDGE PLOT E-03	GDC	4	305N 178 599E	S GEC SOEMV
1814	181273		NVBP	B		BRIDGE PLOT E-04	GDC	4	305N 178 599E	S GEC SOEMV
1944	231273		NVBP	E		BRIDGE PLOT E-04	GDC	3	12S 178 596E	S GEC SOEMV
1944	231273		NVBP	B		BRIDGE PLOT E-05	GDC	3	12S 178 596E	S GEC SOEMV
1102	271273		NVBP	E		BRIDGE PLOT E-05	GDC	10	98S 176 517W	S GEC SOEMV
1102	271273		NVBP	B		BRIDGE PLOT E-06	GDC	10	98S 176 517W	S GEC SOEMV
400	291273		NVBP	E		BRIDGE PLOT E-06	GDC	13	381S 172 541W	S GEC SOEMV

\*\*\* FATHOGRAMS \*\*\*

541	41273		DPRT	B		GDR 12KHZ R-01	GDC	19	392N 159 65W	S GEC SOEMV
230	61273		DPRT	E		GDR 12KHZ R-01	GDC	16	466N 161 196W	S GEC SOEMV
540	71273		DPRT	B		GDR 12KHZ R-02	GDC	16	462N 161 245W	S GFC SOEMV
2024	71273		DPRT	E		GDR 12KHZ R-02	GDC	14	404N 163 2W	S GEC SOEMV
2032	71273		DPRT	B		GDR 12KHZ R-03	GDC	14	392N 163 10W	S GEC SOEMV
544	81273		DPRT	E		GDR 12KHZ R-03	GDC	13	170N 163 581W	S GFC SOEMV
1124	81273		DPRT	B		GDR 12KHZ R-04	GDC	13	174N 163 573W	S GEC SOEMV
2050	81273		DPRT	E		GDR 12KHZ R-04	GDC	12	362N 165 191W	S GEC SOEMV
430	91273		DPRT	B		GDR 12KHZ R-05	GDC	12	262N 165 249W	S GEC SOEMV
200	101273		DPRT	E		GDR 12KHZ R-05	GDC	8	517N 166 465W	S GEC SOEMV
205	101273		DPRT	B		GDR 12KHZ R-06	GDC	8	508N 166 470W	S GEC SOEMV
620	101273		DPRT	E		GDR 12KHZ R-06	GDC	8	118N 167 109W	S GEC SOEMV

TIME GMT	DATE D.M.Y.	TIME LOC	TZ LOC	SAMP CODE	SAMPLE IDENT.	DISP CODE	LAT.	LONG.	CRUISE LEG-SHIP
2355	101273			DPRT B	GDR 12KHZ R-07	GDC	8 124N	167 54W	S GEC SOEMV
2120	111273			DPRT E	GDR 12KHZ R-07	GDC	6 354N	169 573W	S GEC SOEMV
230	121273			DPRT B	GDR 12KHZ R-08	GDC	6 205N	170 469W	S GEC SOEMV
930	141273			DPRT E	GDR 12KHZ R-08	GDC	6 40N	171 566W	S GEC SOEMV
1215	141273			DPRT B	GDR 12KHZ R-09	GDC	6 42N	171 567W	S GEC SOEMV
2121	151273			DPRT E	GDR 12KHZ R-09	GDC	3 229N	177 109W	S GEC SOEMV
830	161273			DPRT B	GDR 12KHZ R-10	GDC	3 234N	177 182W	S GEC SOEMV
500	171273			DPRT E	GDR 12KHZ R-10	GDC	4 245N	179 188E	S GEC SOEMV
520	171273			DPRT B	GDR 12KHZ R-11	GDC	4 254N	179 159E	S GEC SOEMV
715	171273			DPRT E	GDR 12KHZ R-11	GDC	4 338N	179 0E	S GEC SOEMV
2235	181273			DPRT B	GDR 12KHZ R-12	GDC	4 198N	178 592E	S GEC SOEMV
730	191273			DPRT E	GDR 12KHZ R-12	GDC	3 27N	179 8E	S GEC SOEMV
1300	191273			DPRT B	GDR 12KHZ R-13	GDC	3 35N	178 583E	S GEC SOEMV
2015	191273			DPRT E	GDR 12KHZ R-13	GDC	1 597N	178 599E	S GEC SOEMV
100	201273			DPRT B	GDR 12KHZ R-14	GDC	2 4N	178 548E	S GEC SOEMV
830	201273			DPRT E	GDR 12KHZ R-14	GDC	1 22N	178 596E	S GEC SOEMV
1925	201273			DPRT B	GDR 12KHZ R-15	GDC	1 1N	178 557E	S GEC SOEMV
2245	201273			DPRT E	GDR 12KHZ R-15	GDC	0 319N	179 9E	S GEC SOEMV
355	201273			DPRT B	GDR 12KHZ R-16	GDC	1 365N	178 558E	S GEC SOEMV
705	211273			DPRT E	GDR 12KHZ R-16	GDC	0 9N	179 8E	S GEC SOEMV
224	221273			DPRT B	GDR 12KHZ R-17	GDC	0 21S	178 518E	S GEC SOEMV
540	221273			DPRT E	GDR 12KHZ R-17	GDC	0 307S	179 5E	S GEC SOEMV
1112	221273			DPRT B	GDR 12KHZ R-18	GDC	0 334S	178 585E	S GEC SOEMV
1410	221273			DPRT E	GDR 12KHZ R-18	GDC	0 599S	179 29E	S GEC SOEMV
2316	221273			DPRT B	GDR 12KHZ R-19	GDC	1 4S	178 572E	S GEC SOEMV
234	231273			DPRT E	GDR 12KHZ R-19	GDC	1 296S	179 17E	S GEC SOEMV
234	231273			DPRT B	GDR 12KHZ R-20	GDC	1 296S	179 17E	S GEC SOEMV
556	231273			DPRT E	GDR 12KHZ R-20	GDC	2 4S	179 24E	S GEC SOEMV
1030	231273			DPRT B	GDR 12KHZ R-21	GDC	2 25S	179 9E	S GEC SOEMV
1625	231273			DPRT E	GDR 12KHZ R-21	GDC	3 7S	179 5E	S GEC SOEMV
2105	231273			DPRT B	GDR 12KHZ R-22	GDC	3 14S	178 593E	S GEC SOEMV
655	241273			DPRT E	GDR 12KHZ R-22	GDC	4 341S	179 2E	S GEC SOEMV
1026	251273			DPRT B	GDR 12KHZ R-23	GDC	4 348S	178 528E	S GEC SOEMV
2239	261273			DPRT E	GDR 12KHZ R-23	GDC	8 317S	178 41W	S GEC SOEMV
2249	261273			DPRT B	GDR 12KHZ R-24	GDC	8 318S	178 41W	S GEC SOEMV
500	281273			DPRT E	GDR 12KHZ R-24	GDC	12 413S	174 592W	S GEC SOEMV

16DEC75 PAGE 3  
 CRUISE  
 LEG-SHIP

TIME GMT	DATE D.M.Y.	TIME TZ	LOC	LOC	SAMP CODE	SAMPLE IDENT.	DISP CODE	LAT.	LONG.	CRUISE LEG-SHIP
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938	281273				DPRT B	GDR 12KHZ R-25	GDC 12	446S	174 531W	S GEC	SOEMV
1725	281273				DPRT E	GDR 12KHZ R-25	GDC 13	156S	173 452W	S GEC	SOEMV
2200	281273				DPRT B	GDR 12KHZ R-26	GDC 13	159S	173 494W	S GEC	SOEMV
500	291273				DPRT E	GDR 12KHZ R-26	GDC 13	429S	172 441W	S GEC	SOEMV

\*\*\* MAGNETOMETER \*\*\*

541	41273				MGR B	MAGNETICS R-01	GDC 19	392N	159 65W	S GEC	SOEMV
713	171273				MGR E	MAGNETICS R-01	GDC 4	337N	179 3E	S GEC	SOEMV
720	171273				MGR B	MAGNETICS R-02	GDC 4	338N	179 1E	S GEC	SOEMV
500	291273				MGR E	MAGNETICS R-02	GDC 13	429S	172 441W	S GEC	SOEMV

\*\*\*GEOCHEMICAL STATION-LARGE VOLUME\*\*\*

230	61273				GCLV B	GEOSECS 235	GOG 16	466N	161 196W	S GEC	SOEMV
540	71273				GCLV E	GEOSECS 235	GOG 16	462N	161 245W	S GEC	SOEMV
2045	81273				GCXV B	GEOSECS 237	GOG 12	368N	165 185W	S GEC	SOEMV
425	91273				GCXV E	GEOSECS 237	GOG 12	263N	165 249W	S GEC	SOEMV
1000	121273				GCLV B	GEOSECS 239	GOG 5	524N	171 567W	S GEC	SOEMV
1358	141273				GCLV E	GEOSECS 239	GOG 5	569N	172 111W	S GEC	SOEMV
723	171273				GCLV B	GEOSECS 241	GOG 4	339N	179 1E	S GEC	SOEMV
2120	181273				GCLV E	GEOSECS 241	GOG 4	302N	178 598E	S GEC	SOEMV
840	201273				GCXV B	GEOSECS 244	GOG 1	11N	179 0E	S GEC	SOEMV
1915	201273				GCXV E	GEOSECS 244	GOG 1	15N	178 554E	S GEC	SOEMV
1420	221273				GCXV B	GEOSECS 248	GOG 0	600S	179 28E	S GEC	SOEMV
2255	221273				GCXV E	GEOSECS 248	GOG 1	5S	178 577E	S GEC	SOEMV
655	241273				GCLV B	GEOSECS 251	GOG 4	341S	179 2E	S GEC	SOEMV
1026	251273				GCLV E	GEOSECS 251	GOG 4	348S	178 528E	S GEC	SOEMV

\*\*\*GEOCHEMICAL STATION-SMALL VOLUME\*\*\*

550	81273				GCMV B	GEOSECS 236	GOG 13	170N	163 581W	S GEC	SOEMV
1123	81273				GCMV E	GEOSECS 236	GOG 13	174N	163 573W	S GEC	SOEMV
624	101273				GCSV B	GEOSECS 238	GOG 8	112N	167 112W	S GEC	SOEMV
2	111273				GCSV E	GEOSECS 238	GOG 8	124N	167 53W	S GEC	SOEMV
2104	151273				GCSV B	GEOSECS 240	GOG 3	229N	177 109W	S GEC	SOEMV
805	161273				GCSV E	GEOSECS 240	GOG 3	219N	177 141W	S GEC	SOEMV

TIME GMT	DATE D.M.Y.	TIME LOC	TZ LOC	SAMP CODE	SAMPLE IDENT.	DISP CODE	LAT.	LONG.	CRUISE LEG-SHIP
730	191273			GCMV B	GEOSECS 242	GOG 3	27N 179	8E S	GEC SOEMV
1245	191273			GCMV E	GEOSECS 242	GOG 3	54N 178 584E	S	GEC SOEMV
2017	191273			GCMV B	GEOSECS 243	GOG 1	593N 178 599E	S	GEC SOEMV
58	201273			GCMV E	GEOSECS 243	GOG 2	5N 178 548E	S	GEC SOEMV
2250	201273			GCMV B	GEOSECS 245	GOG 0	316N 179 9E	S	GEC SOEMV
351	211273			GCMV E	GEOSECS 245	GOG 0	313N 178 600E	S	GEC SOEMV
720	211273			GCSV B	GEOSECS 246	GOG 0	3N 179 2E	S	GEC SOEMV
223	221273			GCSV E	GEOSECS 246	GOG 0	21S 178 518E	S	GEC SOEMV
545	221273			GCMV B	GEOSECS 247	GOG 0	310S 179 5E	S	GEC SOEMV
1040	221273			GCMV E	GEOSECS 247	GOG 0	324S 178 586E	S	GEC SOEMV
600	231273			GCMV B	GEOSECS 249	GOG 2	7S 179 22E	S	GEC SOEMV
1022	231273			GCMV E	GEOSECS 249	GOG 2	18S 179 8E	S	GEC SOEMV
1636	231273			GCMV B	GEOSECS 250	GOG 3	7S 179 2E	S	GEC SOEMV
2100	231273			GCMV E	GEOSECS 250	GOG 3	14S 178 594E	S	GEC SOEMV
1639	261273			GCMV B	GEOSECS 252	GOG 8	293S 178 38W	S	GEC SOEMV
2249	261273			GCMV E	GEOSECS 252	GOG 8	318S 178 41W	S	GEC SOEMV
500	281273			GCMV B	GEOSECS 253	GOG 12	413S 174 592W	S	GEC SOEMV
855	281273			GCMV E	GEOSECS 253	GOG 12	418S 174 595W	S	GEC SOEMV
1738	281273			GCMV B	GEOSECS 254	GOG 13	147S 173 474W	S	GEC SOEMV
2130	281273			GCMV E	GEOSECS 254	GOG 13	152S 173 506W	S	GEC SOEMV

## \*\*\* BATHY THERMOGRAPH \*\*\*

0	51273	BTX	NO. SAMPLES=3	DCP 19	392N 159 65W	S	GEC SOEMV
0	61273	BTX	NO. SAMPLES=2	DCP 17	102N 161 55W	S	GEC SOEMV
0	71273	BTX	NO. SAMPLES=3	DCP 16	472N 161 229W	S	GEC SOEMV
0	81273	BTX	NO. SAMPLES=3	DCP 14	85N 163 219W	S	GEC SOEMV
0	91273	BTX	NO. SAMPLES=3	DCP 12	294N 165 258W	S	GEC SOEMV
0	101273	BTX	NO. SAMPLES=3	DCP 9	109N 166 402W	S	GEC SOEMV
0	111273	BTX	NO. SAMPLES=3	DCP 8	124N 167 53W	S	GEC SOEMV
0	121273	BTX	NO. SAMPLES=2	DCP 6	275N 170 209W	S	GEC SOEMV
0	131273	BTX	NO. SAMPLES=0	DCP 5	548N 172 5W	S	GEC SOEMV
0	141273	BTX	NO. SAMPLES=1	DCP 5	587N 171 590W	S	GEC SOEMV
0	151273	BTX	NO. SAMPLES=5	DCP 5	130N 173 438W	S	GEC SOEMV
0	161273	BTX	NO. SAMPLES=3	DCP 3	229N 177 129W	S	GEC SOEMV
0	171273	BTX	NO. SAMPLES=2	DCP 4	129N 179 486W	S	GEC SOEMV
0	181273	BTX	NO. SAMPLES=0	DCP 4	325N 178 593E	S	GEC SOEMV
0	191273	BTX	NO. SAMPLES=3	DCP 4	70N 178 586E	S	GEC SOEMV
0	201273	BTX	NO. SAMPLES=1	DCP 2	5N 178 552E	S	GEC SOEMV
0	211273	BTX	NO. SAMPLES=1	DCP 0	316N 178 596E	S	GEC SOEMV
0	221273	BTX	NO. SAMPLES=2	DCP 0	10S 178 527E	S	GEC SOEMV
0	231273	BTX	NO. SAMPLES=1	DCP 1	66S 178 574E	S	GEC SOEMV
0	241273	BTX	NO. SAMPLES=3	DCP 3	290S 178 599E	S	GEC SOEMV



TIME GMT	DATE D.M.Y.	TIME LOC	TZ LOC	SAMP CODE	SAMPLE IDENT.	DISP CODE	LAT.	LONG.	CRUISE LEG-SHIP
0	25	12	73	BTX	NO.SAMPLES=2	DCP 4	338S	178 563E	S GECISOEMV
0	26	12	73	BTX	NO.SAMPLES=3	DCP 6	122S	179 518W	S GECISOEMV
0	27	12	73	BTX	NO.SAMPLES=4	DCP 8	383S	177 597W	S GECISOEMV
0	28	12	73	BTX	NO.SAMPLES=3	DCP 12	29S	175 355W	S GECISOEMV
0	29	12	73	BTX	NO.SAMPLES=1	DCP 13	234S	173 320W	S GECISOEMV

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END SAMPLE INDEX