

INDOPAC EXPEDITION

LEG 5

R/V THOMAS WASHINGTON

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

Apra, Guam (8 July 1976)

to

Keelung, ^{Taiwan}~~Luzon~~ (22 July 1976)

Chief Scientist - G. Shor

Resident Marine Tech - J. Coatsworth

Post-Cruise Processing by - S. Smith,

R. Lingley, G. Psaropulos

Prepared by

Underway Data Processing Group

S.I.O. Geological Data Center

Scripps Institution of Oceanography

La Jolla, California

September 27, 1976

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

Contents:

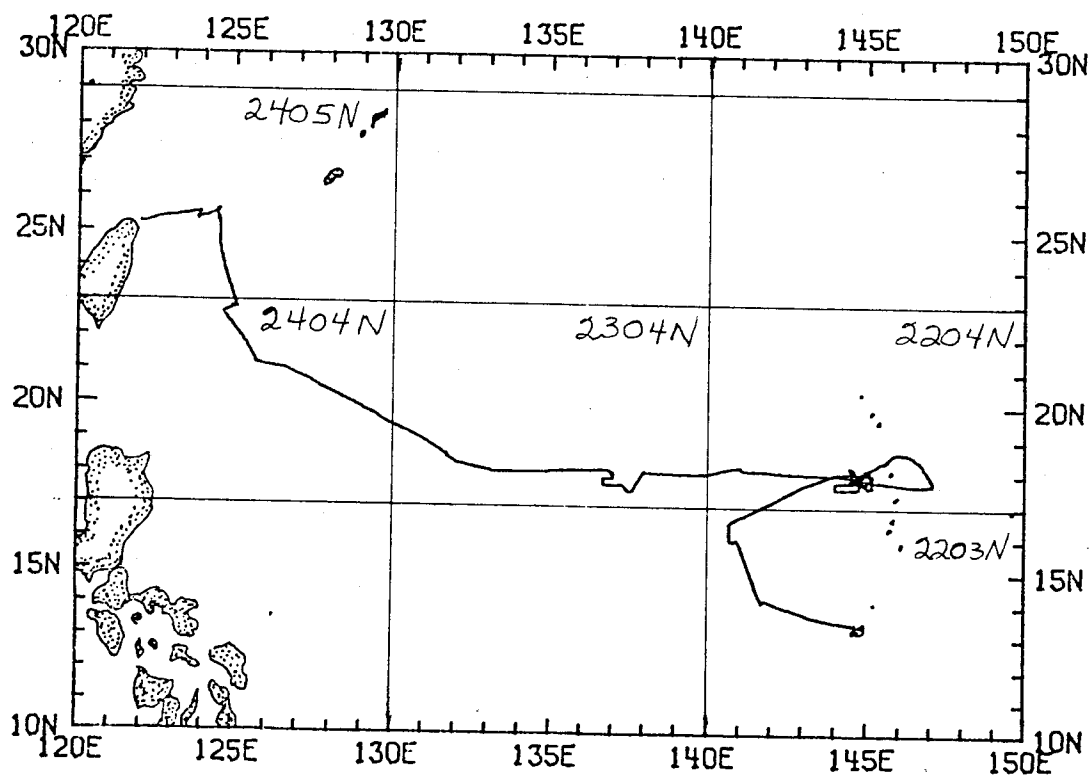
Index Chart - gives track of cruise leg and boundaries of depth compilation plots (see below).

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 contact S. M. Smith, Curator, Geological Data Center, Scripps Institution of Oceanography La Jolla, California 92093 Phone: (714) 452-2752.

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). Phone: (714) 452-2752
 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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INDOPAC EXPEDITION

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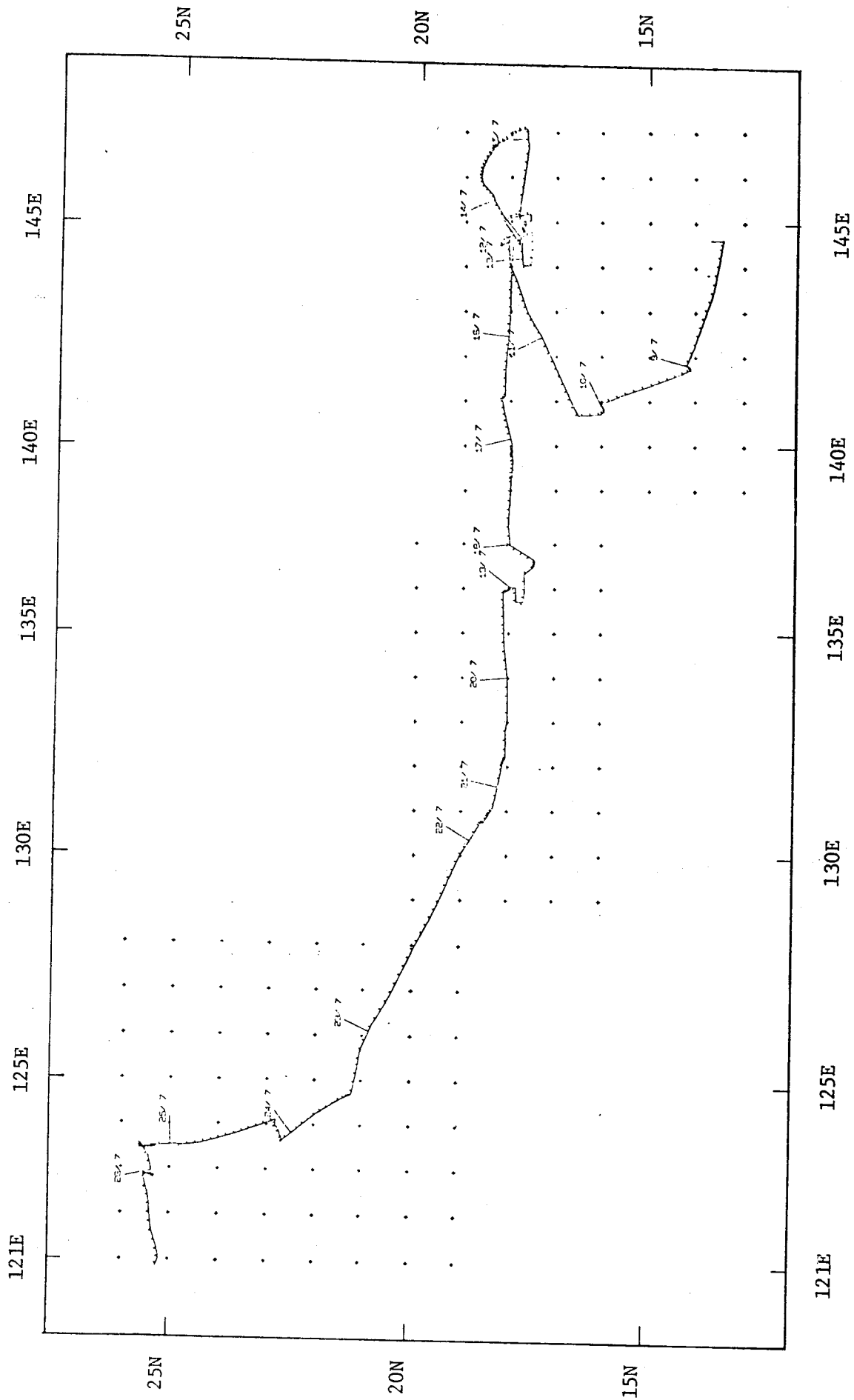
Chief Scientist - George Shor

Ports: Apra, Guam - Keelung, Luzon (P.I.)

(8 July - 26 July 1976)

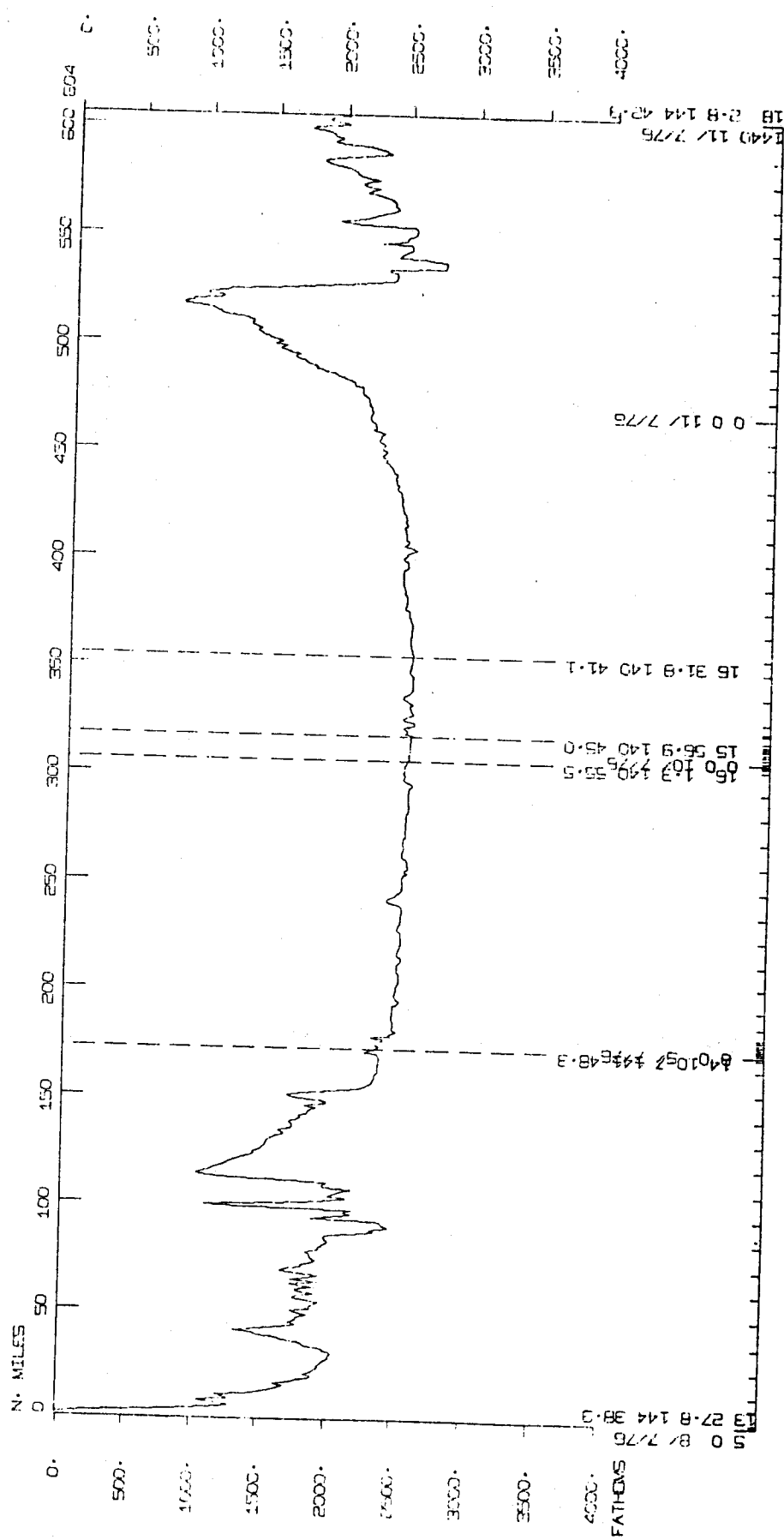
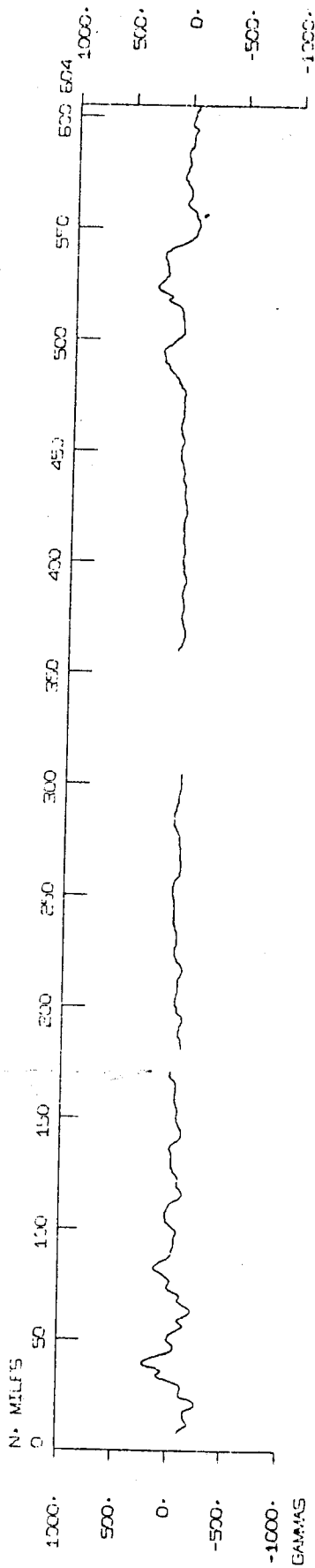
TOTAL MILEAGE

- 1) Cruise - 3083 miles
- 2) Bathymetry - 3010 miles
- 3) Magnetics - 2233 miles
- 4) Seismic Reflection - 2600 miles

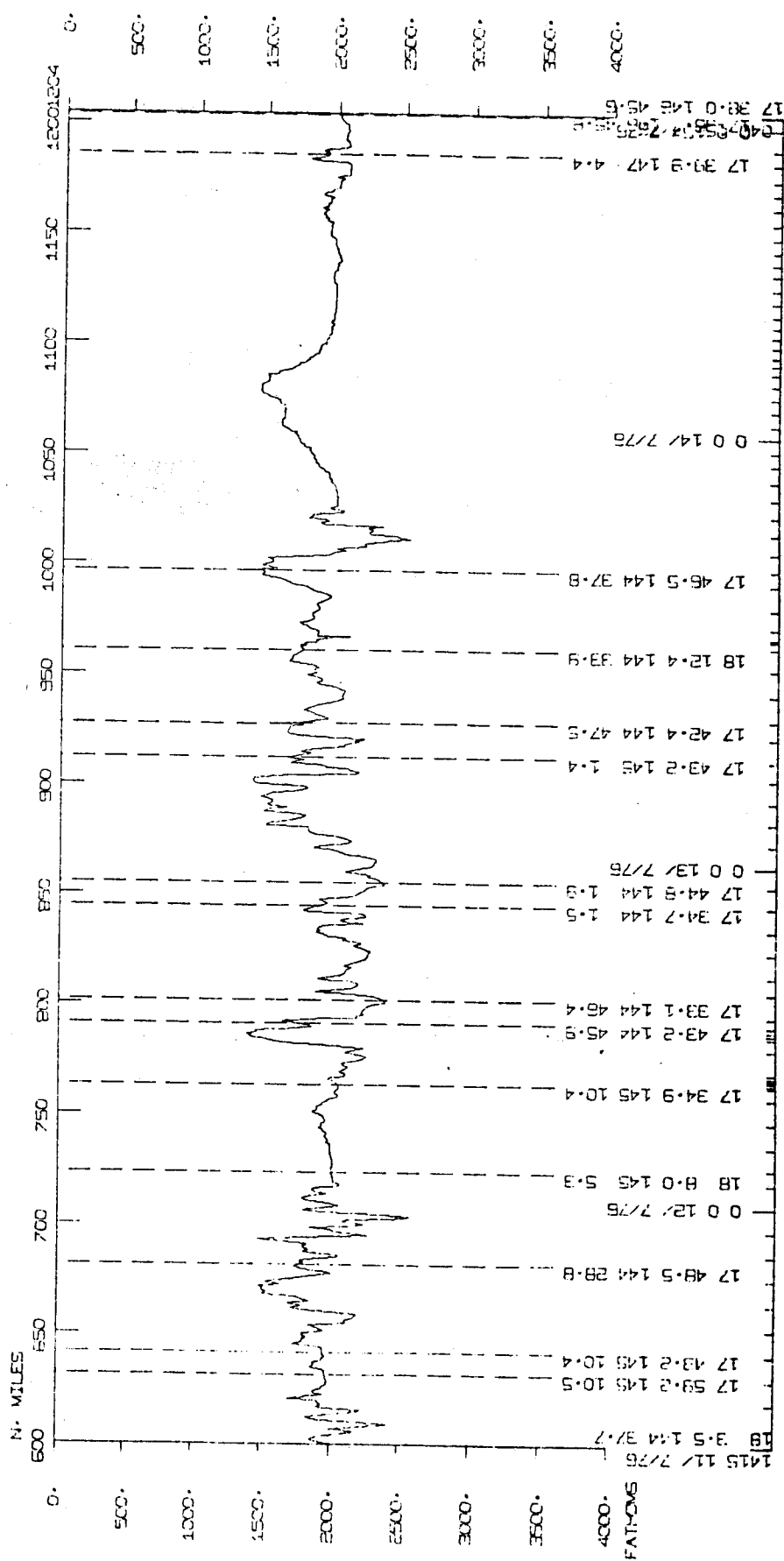
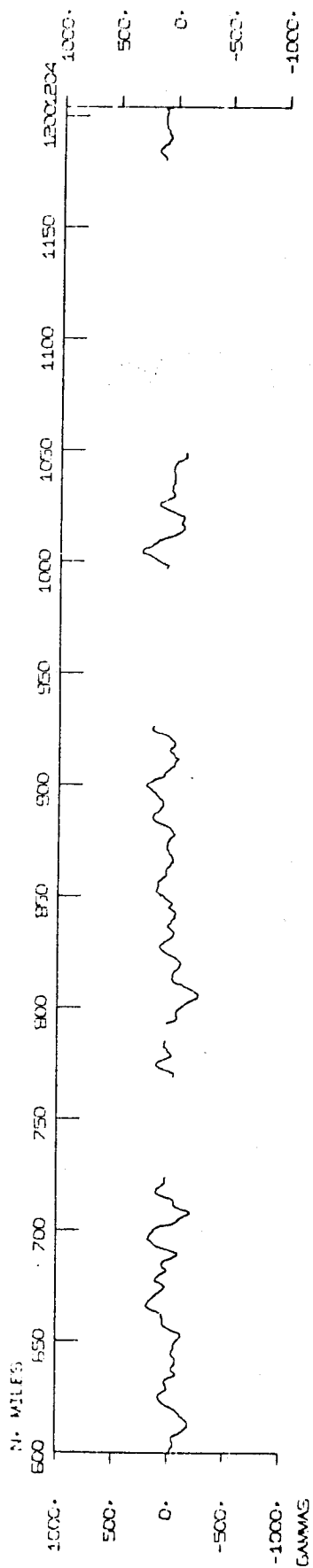


INDOPAC EXPEDITION Leg 5 Track Plot

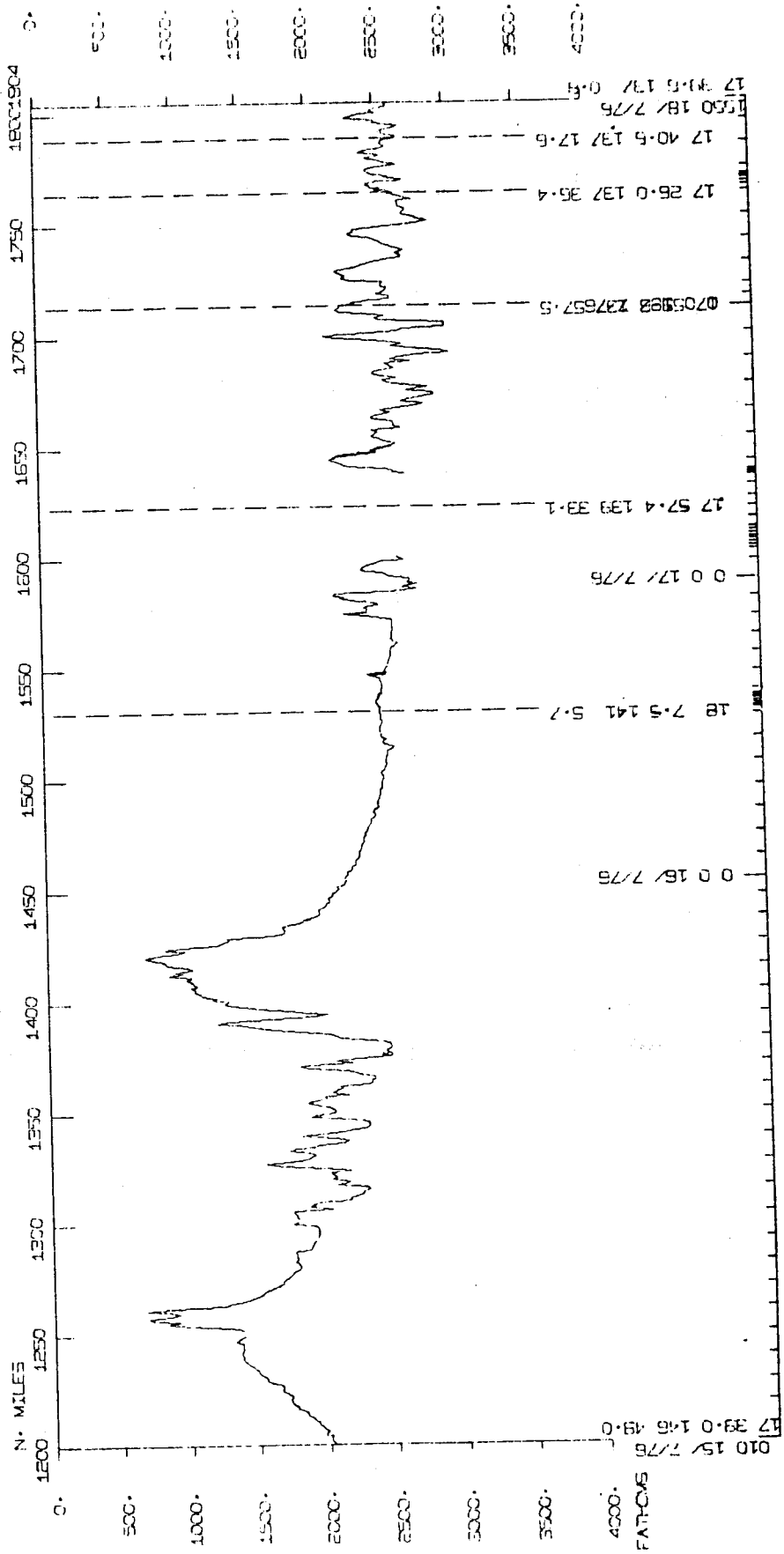
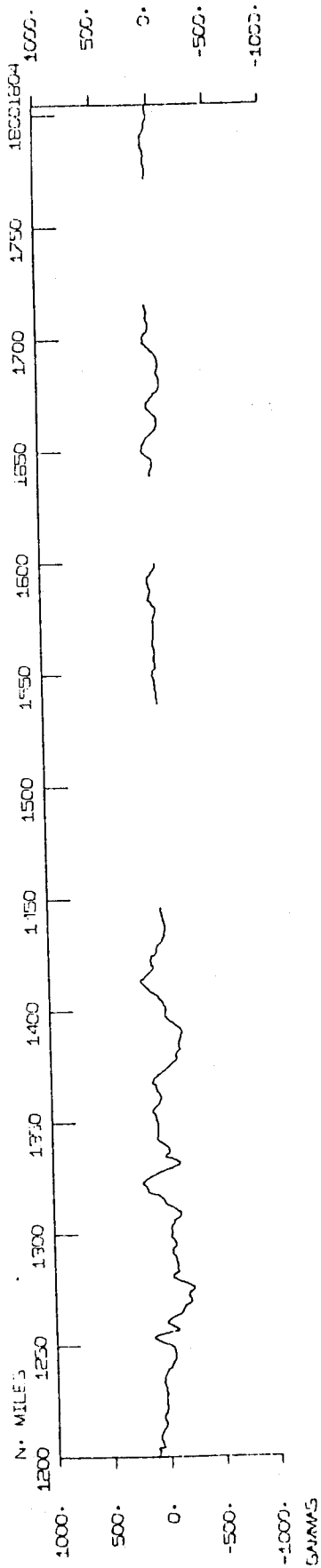
INDOPAC LEG 5



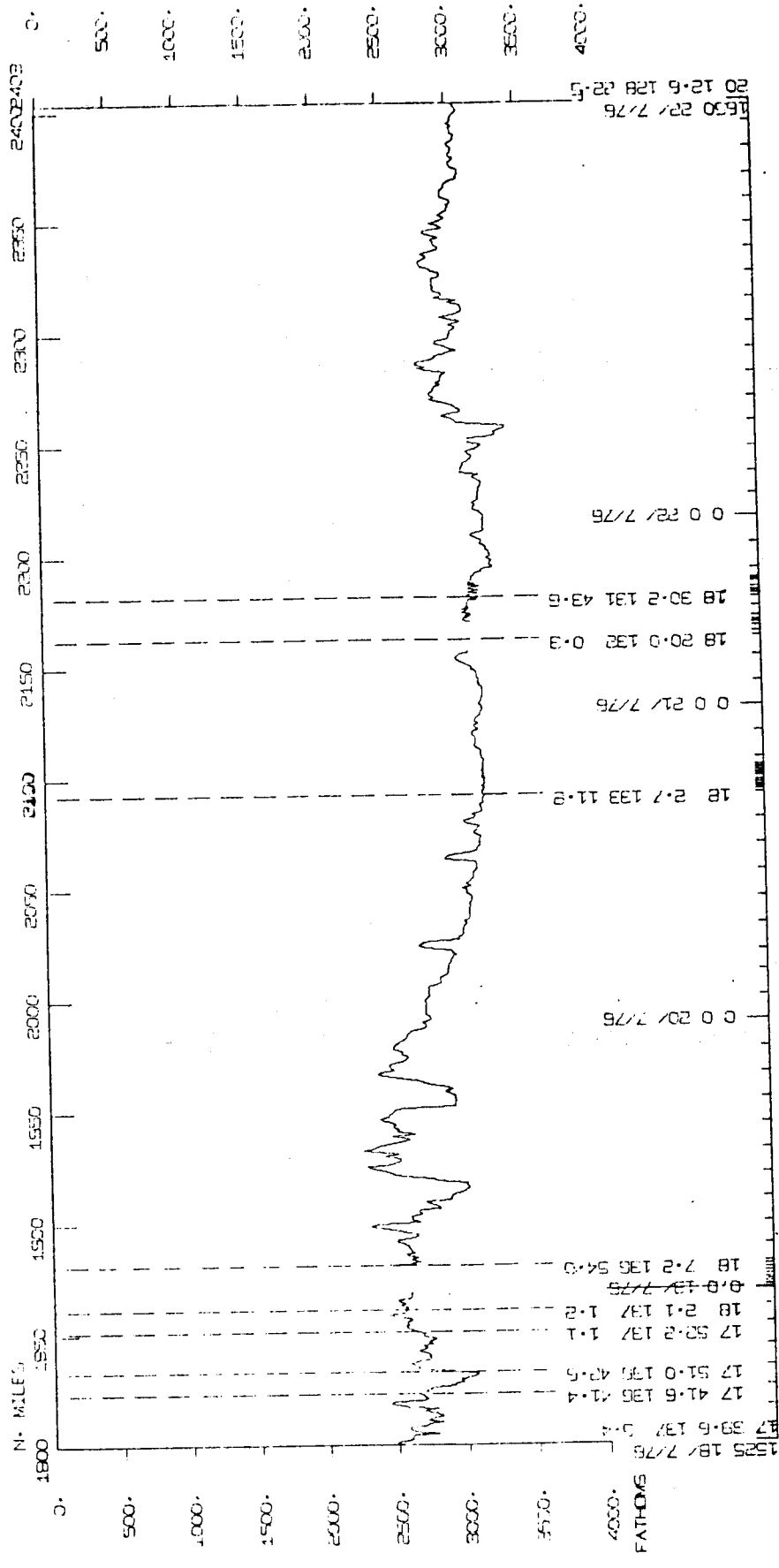
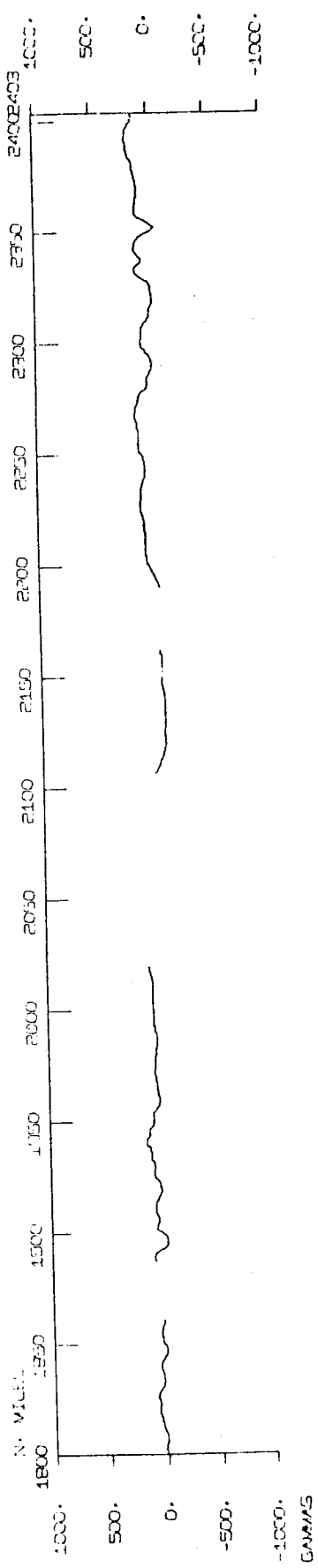
INDOPAC LEG 5

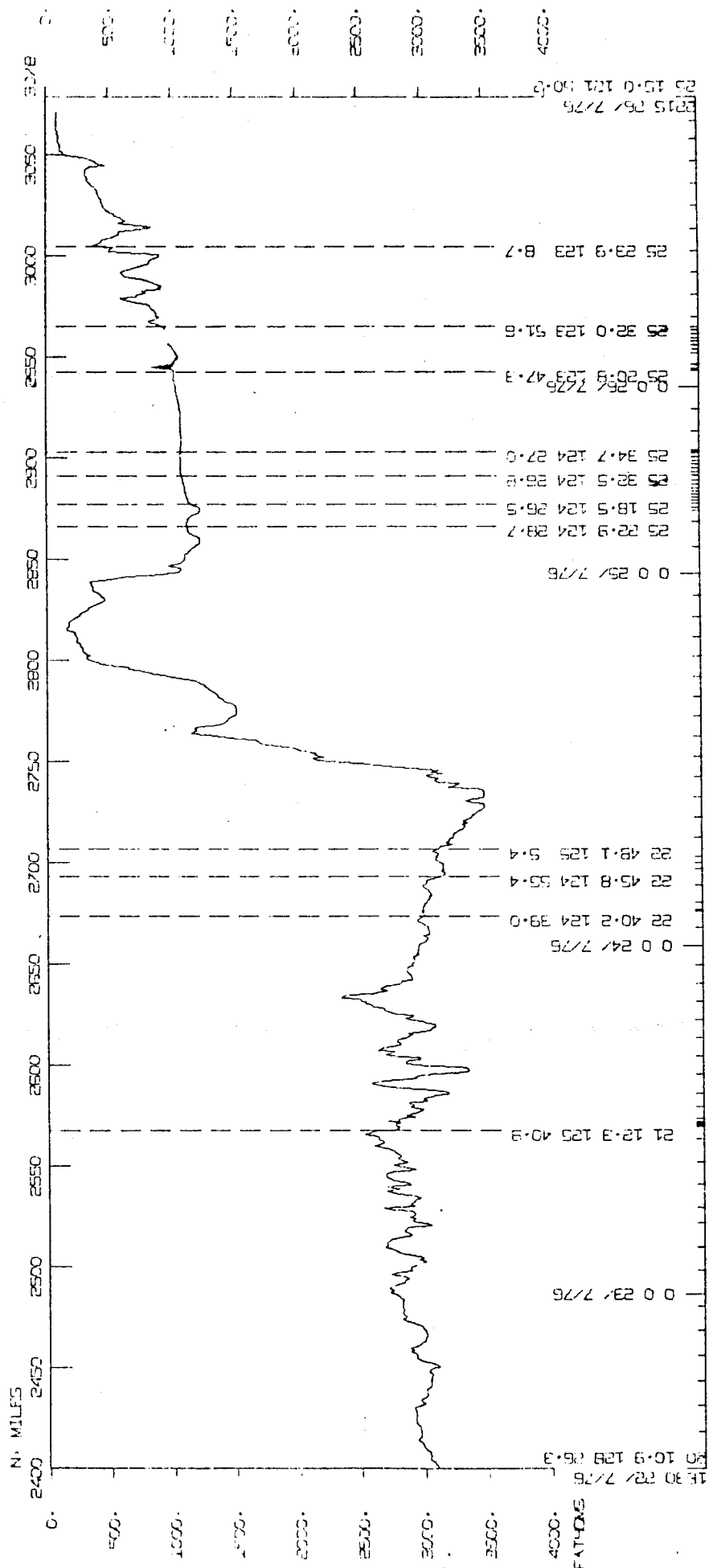
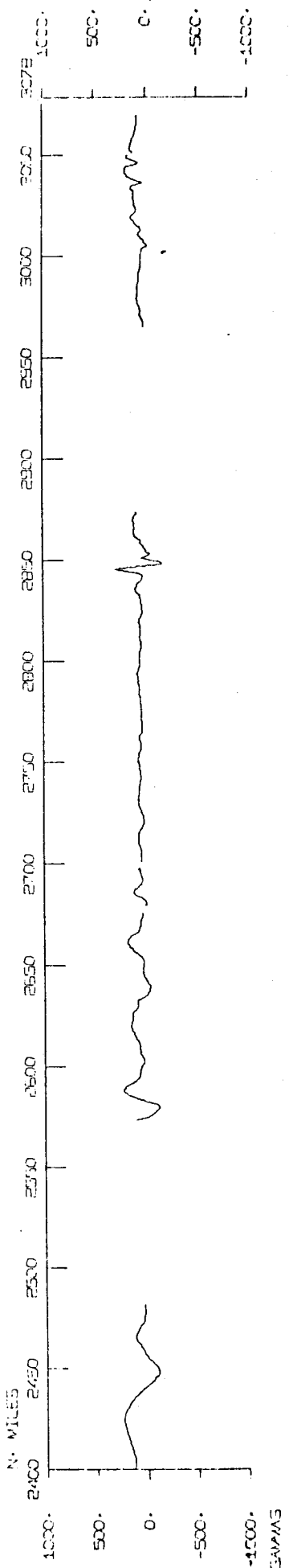


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INDUPAC EXPEDITION LEG 5 SAMPLE INDEX

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PORTS

456 8 776
2216 26 776

LGPT B APRA, GUAM
LGPT E KEELUNG, TAIWAN

13 246N 144 343E F INDP05WT
25 79N 121 446E F INDP05WT

PERSONNEL

PECS	SHOR, G.	MPL	INDP05WT
PERT	COATSWORTH, J.	MTG	INDP05WT
PECT	ELSTON, M.	MTG	INDP05WT
PEAT	BATTEY, K.	MTG	INDP05WT
PEAT	MCKEE J.	MTG	INDP05WT
PES	BIBEE, L.	SIO	INDP05WT
PEXN	BODVARSSON, G.	SIX	INDP05WT
PEXN	CHANG, H. J.	SIX	INDP05WT
PES	CHAO, B.	SIX	INDP05WT
PEXN	HUANG, T.W.	SIX	INDP05WT
PES	JACOBSON, K.	SIO	INDP05WT
PES	KIECKHEFER, R.	SIO	INDP05WT
PE	LAWVER, L.	SIO	INDP05WT
PE	LODDEN, K.	MIT	INDP05WT
PE	MCGOWAN, D.	MPL	INDP05WT
PE	NEWHOUSE, U.	MTG	INDP05WT
PES	OGG, J.	SIO	INDP05WT
PE	ONEILL, P.	MPL	INDP05WT
PE	SHOR, E.	SIO	INDP05WT
PE	SULLIVAN, G.	SIO	INDP05WT
PES	SVERDRUP, K.	SIO	INDP05WT
PES	VITEK, J.	UCJ	INDP05WT
PE	WHITNEY, W.	MPL	INDP05WT

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

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

UNDERWAY DATA - CURATOR S.M.SMITH (EXT.2752)

LOG BOOK

710	8	776	LBOW B	GEOPHYSICAL LOG	GDC 13	269N	144	376E	S	INDP05WT
2135	26	776	LBOW E	GEOPHYSICAL LOG	GDC 25	123N	121	570E	S	INDP05WT

*** NAVIGATION PLOTS ***

922	8	776	NVBP B	BRIDGE PLOT 01	GDC 13	294N	144	208E	S	INDP05WT
200	11	776	NVBP E	BRIDGE PLOT 01	GDC 17	291N	142	425E	S	INDP05WT
200	11	776	NVBP B	BRIDGE PLOT 02	GDC 17	291N	142	425E	S	INDP05WT
1224	12	776	NVBP E	BRIDGE PLOT 02	GDC 17	450N	144	523E	S	INDP05WT
1538	12	776	NVBP B	BRIDGE PLOT 03	GDC 17	439N	144	473E	S	INDP05WT
200	14	776	NVBP E	BRIDGE PLOT 03	GDC 18	290N	145	404E	S	INDP05WT
200	14	776	NVBP B	BRIDGE PLOT 04	GDC 18	290N	145	404E	S	INDP05WT
2052	14	776	NVBP E	BRIDGE PLOT 04	GDC 17	511N	147	24E	S	INDP05WT
2052	14	776	NVBP B	BRIDGE PLOT 05	GDC 17	511N	147	24E	S	INDP05WT
1550	15	776	NVBP E	BRIDGE PLOT 05	GDC 18	2N	143	536E	S	INDP05WT
1550	15	776	NVBP B	BRIDGE PLOT 06	GDC 18	2N	143	536E	S	INDP05WT
218	20	776	NVBP E	BRIDGE PLOT 06	GDC 18	4N	134	312E	S	INDP05WT
218	20	776	NVBP B	BRIDGE PLOT 07	GDC 18	4N	134	312E	S	INDP05WT
1748	24	776	NVBP E	BRIDGE PLOT 07	GDC 23	575N	124	401E	S	INDP05WT
1748	24	776	NVBP B	BRIDGE PLOT 08	GDC 23	575N	124	401E	S	INDP05WT
2343	26	776	NVBP E	BRIDGE PLOT 08	GDC 25	150N	121	501E	S	INDP05WT
0	9	776	NVCP B	COMPUTER PLOT 01	GDC 14	107N	141	483E	S	INDP05WT
1230	26	776	NVCP E	COMPUTER PLOT 01	GDC 25	303N	123	404E	S	INDP05WT

***FATHOGRAMS ***

710	8	776	DPRT B	GDR 12KHZ R-01	GDC 13	269N	144	376E	S	INDP05WT
832	10	776	DPRT E	GDR 12KHZ R-01	GDC 15	585N	140	444E	S	INDP05WT
845	10	776	DPRT B	GDR 12KHZ R-02	GDC 15	599N	140	442E	S	INDP05WT
320	13	776	DPRT E	GDR 12KHZ R-02	GDC 17	444N	144	447E	S	INDP05WT
355	13	776	DPRT B	GDR 12KHZ R-03	GDC 17	441N	144	507E	S	INDP05WT
1945	15	776	DPRT E	GDR 12KHZ R-03	GDC 18	8N	143	90E	S	INDP05WT

TIME GHT	DATE D.M.Y.	TIME LUC	TZ LUC	SAMP CODE	SAMPLE IDENT.	DISP CODE	LAT.	LONG.	CRUISE LEG-SHIP
2009	15	776		DPRT B	GDR 12KHZ R-04	GDC 18	10N	143 44E	S INDP05WT
247	18	776		DPRT E	GDR 12KHZ R-04	GDC 17	555N	137 556E	S INDP05WT
325	18	776		DPRT B	GDR 12KHZ R-05	GDC 17	497N	137 517E	S INDP05WT
1710	20	776		DPRT E	GDR 12KHZ R-05	GDC 18	56N	133 33E	S INDP05WT
1719	20	776		DPRT B	GDR 12KHZ R-06	GDC 18	58N	133 32E	S INDP05WT
940	23	776		DPRT E	GDR 12KHZ R-06	GDC 21	137N	125 394E	S INDP05WT
1000	23	776		DPRT B	GDR 12KHZ R-07	GDC 21	138N	125 394E	S INDP05WT
220	26	776		DPRT E	GDR 12KHZ R-07	GDC 25	224N	123 479E	S INDP05WT
225	26	776		DPRT B	GDR 12KHZ R-08	GDC 25	225N	123 480E	S INDP05WT
2143	26	776		DPRT E	GDR 12KHZ R-08	GDC 25	126N	121 561E	S INDP05WT
715	8	776		DPR3 B	GDR 3.5KHZ R-01	GDC 13	269N	144 376E	S INDP05WT
40	11	776		DPR3 E	GDR 3.5KHZ R-01	GDC 17	244N	142 331E	S INDP05WT
51	11	776		DPR3 B	GDR 3.5KHZ R-02	GDC 17	249N	142 340E	S INDP05WT
120	13	776		DPR3 E	GDR 3.5KHZ R-02	GDC 17	463N	144 244E	S INDP05WT
135	13	776		DPR3 B	GDR 3.5KHZ R-03	GDC 17	464N	144 271E	S INDP05WT
1907	15	776		DPR3 E	GDR 3.5KHZ R-03	GDC 18	8N	143 164E	S INDP05WT
1926	15	776		DPR3 B	GDR 3.5KHZ R-04	GDC 18	8N	143 127E	S INDP05WT
1433	18	776		DPR3 E	GDR 3.5KHZ R-04	GDC 17	404N	137 151E	S INDP05WT
1440	18	776		DPR3 B	GDR 3.5KHZ R-05	GDC 17	402N	137 138E	S INDP05WT
1620	20	776		DPR3 E	GDR 3.5KHZ R-05	GDC 18	56N	133 39E	S INDP05WT
1622	20	776		DPR3 B	GDR 3.5KHZ R-06	GDC 18	56N	133 39E	S INDP05WT
145	22	776		DPR3 E	GDR 3.5KHZ R-06	GDC 18	579N	131 40E	S INDP05WT
600	23	776		DPR3 B	GDR 3.5KHZ R-07	GDC 21	89N	125 574E	S INDP05WT
1346	24	776		DPR3 E	GDR 3.5KHZ R-07	GDC 23	196N	124 534E	S INDP05WT
1354	24	776		DPR3 B	GDR 3.5KHZ R-08	GDC 23	208N	124 529E	S INDP05WT
2140	26	776		DPR3 E	GDR 3.5KHZ R-08	GDC 25	124N	121 565E	S INDP05WT

MAGNETOMETER

745	8	776		MGR B	MAGNETOMETER R-01	GDC 13	276N	144 327E	S INDP05WT
227	20	776		MGR E	MAGNETOMETER R-01	GDC 18	3N	134 294E	S INDP05WT
315	20	776		MGR B	MAGNETOMETER R-02	GDC 18	5N	134 224E	S INDP05WT
2128	26	776		MGR E	MAGNETOMETER R-02	GDC 25	121N	121 578E	S INDP05WT

TIME GMT	DATE D.M.Y.	TIME TZ LUC	SAMP LUC CODE	SAMPLE IDENT.	DISP CODE	LAT.	LONG.	CRUISE LEG-SHIP
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*** SEISMIC REFLECTION PROFILES ***

745	8	776		SPRS B AIRGUN 10-SEC. R-01	GDC 13	276N	144 327E	S INDP05WT
2116	26	776		SPRS E AIRGUN 10-SEC. R-01	GDC 25	116N	121 598E	S INDP05WT
745	8	776		SPRF B AIRGUN 5 SEC. R-01	GDC 13	276N	144 327E	S INDP05WT
2116	26	776		SPRF E AIRGUN 5 SEC. R-01	GDC 25	116N	121 598E	S INDP05WT

GRAVIMETRIC RECORDS CURATOR L.M. DORMAN (EXT.2406)

710	8	776		GVR B GRAV. ANALOGUE R-01	LMD 13	269N	144 376E	S INDP05WT
830	10	776		GVR E GRAV. ANALOGUE R-01	LMD 15	583N	140 444E	S INDP05WT
845	10	776		GVR B GRAV. ANALOGUE R-02	LMD 15	599N	140 442E	S INDP05WT
918	16	776		GVR E GRAV. ANALOGUE R-02	LMD 18	76N	141 55E	S INDP05WT
936	16	776		GVR B GRAV. ANALOGUE R-03	LMD 18	78N	141 53E	S INDP05WT
655	21	776		GVR E GRAV. ANALOGUE R-03	LMD 18	240N	131 546E	S INDP05WT
705	21	776		GVR B GRAV. ANALOGUE R-04	LMD 18	241N	131 544E	S INDP05WT
1510	26	776		GVR E GRAV. ANALOGUE R-04	LMD 25	234N	123 95E	S INDP05WT
710	8	776		GVXR B GRAV. XCOUPLE R-01	LMD 13	269N	144 376E	S INDP05WT
100	23	776		GVXR E GRAV. XCOUPLE R-01	LMD 20	559N	126 535E	S INDP05WT
200	23	776		GVXR B GRAV. XCOUPLE R-02	LMD 21	6N	126 419E	S INDP05WT
1500	26	776		GVXR E GRAV. XCOUPLE R-02	LMD 25	238N	123 115E	S INDP05WT

SEISMIC REFRACTION SITE

225	10	776		SRST B REFRACTION STA. 01	DDM 15	588N	140 514E	S INDP05WT
738	10	776		SRST E REFRACTION STA. 01	DDM 15	569N	140 453E	S INDP05WT
210	12	776		SRST B REFRACTION STA. 02	DDM 18	89N	145 48E	S INDP05WT
511	12	776		SRST E REFRACTION STA. 02	DDM 17	376N	145 106E	S INDP05WT
700	12	776		SRST B REFRACTION STA. 03	DDM 17	347N	145 91E	S INDP05WT
1021	12	776		SRST E REFRACTION STA. 03	DDM 17	346N	145 50E	S INDP05WT
1306	12	776		SRST B REFRACTION STA. 04	DDM 17	450N	144 513E	S INDP05WT
1536	12	776		SRST E REFRACTION STA. 04	DDM 17	439N	144 474E	S INDP05WT
652	13	776		SRST B REFRACTION STA. 05	DDM 17	432N	144 472E	S INDP05WT
923	13	776		SRST E REFRACTION STA. 05	DDM 18	103N	144 365E	S INDP05WT
1246	13	776		SRST B REFRACTION STA. 06	DDM 18	123N	144 287E	S INDP05WT
1522	13	776		SRST E REFRACTION STA. 06	DDM 17	475N	144 374E	S INDP05WT

TIME GMT	DATE D.M.Y.	TIME TZ LUC LUC	SAMP CODE	SAMPLE IDENT.	DISP CODE	LAT.	LONG.	CRUISE LEG-SHIP
2340	15	776	SRST B	REFRACTION STA. 07	DDM 18	23N	142 297E	S INDP05WT
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353	16	776	SRST B	REFRACTION STA. 08	DDM 18	67N	141 430E	S INDP05WT
700	16	776	SRST E	REFRACTION STA. 08	DDM 18	73N	141 81E	S INDP05WT
910	16	776	SRST B	REFRACTION STA. 09	DDM 18	76N	141 56E	S INDP05WT
1244	16	776	SRST E	REFRACTION STA. 09	DDM 18	97N	141 31E	S INDP05WT
805	17	776	SRST B	REFRACTION STA. 11	DDM 17	579N	139 470E	S INDP05WT
1355	17	776	SRST E	REFRACTION STA. 11	DDM 17	581N	139 194E	S INDP05WT
153	18	776	SRST B	REFRACTION STA. 12	DDM 18	32N	138 4E	S INDP05WT
554	18	776	SRST E	REFRACTION STA. 12	DDM 17	274N	137 379E	S INDP05WT
730	18	776	SRST B	REFRACTION STA. 13	DDM 17	263N	137 345E	S INDP05WT
1142	18	776	SRST E	REFRACTION STA. 13	DDM 17	270N	137 306E	S INDP05WT
525	19	776	SRST B	REFRACTION STA. 14	DDM 17	584N	136 595E	S INDP05WT
611	19	776	SRST E	REFRACTION STA. 14	DDM 17	588N	136 591E	S INDP05WT
614	19	776	SRST B	REFRACTION STA. 15	DDM 17	588N	136 590E	S INDP05WT
722	19	776	SRST E	REFRACTION STA. 15	DDM 17	595N	136 582E	S INDP05WT
855	19	776	SRST B	REFRACTION STA. 16	DDM 18	9N	136 571E	S INDP05WT
1007	19	776	SRST E	REFRACTION STA. 16	DDM 18	25N	136 562E	S INDP05WT
1012	19	776	SRST B	REFRACTION STA. 17	DDM 18	26N	136 561E	S INDP05WT
1257	19	776	SRST E	REFRACTION STA. 17	DDM 18	63N	136 545E	S INDP05WT
259	20	776	SRST B	REFRACTION STA. 18	DDM 18	4N	134 258E	S INDP05WT
557	20	776	SRST E	REFRACTION STA. 18	DDM 18	25N	133 485E	S INDP05WT
602	20	776	SRST B	REFRACTION STA. 19	DDM 18	25N	133 475E	S INDP05WT
846	20	776	SRST E	REFRACTION STA. 19	DDM 18	26N	133 136E	S INDP05WT
1000	20	776	SRST B	REFRACTION STA. 20	DDM 18	30N	133 109E	S INDP05WT
1307	20	776	SRST E	REFRACTION STA. 20	DDM 18	41N	133 80E	S INDP05WT
1312	20	776	SRST B	REFRACTION STA. 21	DDM 18	41N	133 79E	S INDP05WT
1613	20	776	SRST E	REFRACTION STA. 21	DDM 18	55N	133 40E	S INDP05WT
353	21	776	SRST B	REFRACTION STA. 22	DDM 18	211N	131 590E	S INDP05WT
633	21	776	SRST E	REFRACTION STA. 22	DDM 18	238N	131 550E	S INDP05WT
753	21	776	SRST B	REFRACTION STA. 23	DDM 18	249N	131 531E	S INDP05WT
955	21	776	SRST E	REFRACTION STA. 23	DDM 18	299N	131 451E	S INDP05WT
2348	22	776	SRST B	REFRACTION STA. 24	DDM 20	500N	127 73E	S INDP05WT
301	23	776	SRST E	REFRACTION STA. 24	DDM 21	35N	126 295E	S INDP05WT

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TIME GMT	DATE D.M.Y.	TIME TZ LUC LUC	SAMP CODE	SAMPLE IDENT.	DISP CODE	LAT.	LONG.	CRUISE LEG-SHIP
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718	23	776	SRST E	REFRACTION STA. 25	DDM 21	120N	125 422E S	INDP05WT
834	23	776	SRST B	REFRACTION STA. 26	DDM 21	131N	125 395E S	INDP05WT
1255	23	776	SRST E	REFRACTION STA. 26	DDM 21	152N	125 388E S	INDP05WT
512	25	776	SRST B	REFRACTION STA. 28	DDM 25	188N	124 264E S	INDP05WT
605	25	776	SRST E	REFRACTION STA. 28	DDM 25	201N	124 263E S	INDP05WT
610	25	776	SRST B	REFRACTION STA. 29	DDM 25	202N	124 263E S	INDP05WT
820	25	776	SRST E	REFRACTION STA. 29	DDM 25	234N	124 260E S	INDP05WT
1058	25	776	SRST B	REFRACTION STA. 30	DDM 25	280N	124 263E S	INDP05WT
1454	25	776	SRST E	REFRACTION STA. 30	DDM 25	350N	124 295E S	INDP05WT
232	26	776	SRST B	REFRACTION STA. 31	DDM 25	226N	123 481E S	INDP05WT
633	26	776	SRST E	REFRACTION STA. 31	DDM 25	235N	123 508E S	INDP05WT
638	26	776	SRST B	REFRACTION STA. 32	DDM 25	236N	123 509E S	INDP05WT
1030	26	776	SRST E	REFRACTION STA. 32	DDM 25	306N	123 514E S	INDP05WT

WIDE-ANGLE SEISMIC REFLECTION

1200	12	776	SPWA	SONOBUOY 001 ST02	DDM 17	420N	144 550E S	INDP05WT
1357	12	776	SPWA	SONOBUOY 002 ST04	DDM 17	448N	144 499E S	INDP05WT
2315	15	776	SPWA	SONOBUOY 003 ST07	DDM 18	22N	142 322E S	INDP05WT
2320	15	776	SPWA	SONOBUOY 004 ST07	DDM 18	22N	142 318E S	INDP05WT
2325	15	776	SPWA	SONOBUOY 005 ST07	DDM 18	22N	142 314E S	INDP05WT
355	17	776	SPWA	SONOBUOY 006 ST10	DDM 17	570N	139 530E S	INDP05WT
431	17	776	SPWA	SONOBUOY 007 ST10	DDM 17	571N	139 521E S	INDP05WT
2350	22	776	SPWA	SONOBUOY 008 ST24	DDM 20	501N	127 70E S	INDP05WT
100	23	776	SPWA	SONOBUOY 009 ST24	DDM 20	559N	126 535E S	INDP05WT
145	23	776	SPWA	SONOBUOY 010 ST24	DDM 20	595N	126 448E S	INDP05WT
238	24	776	SPWA	SONOBUOY 011 ST27	DDM 22	396N	124 388E S	INDP05WT
300	24	776	SPWA	SONOBUOY 012 ST27	DDM 22	395N	124 389E S	INDP05WT

*** CURES ***

1340	16	776	CUP	INDP 001	4587	GCR 18	102N 141 27E S	INDP05WT
1340	16	776	COPG	INDP 001	4587	GCR 18	102N 141 27E S	INDP05WT
442	18	776	CUP	INDP 002	4987	GCR 17	381N 137 449E S	INDP05WT
442	18	776	COPG	INDP 002	4987	GCR 17	381N 137 449E S	INDP05WT
1732	20	776	CUP	INDP 003	6036	GCR 18	59N 133 30E S	INDP05WT
1732	20	776	COPG	INDP 003	6036	GCR 18	59N 133 30E S	INDP05WT
1938	21	776	CUG	INDP 002	5701	GCR 18	335N 131 446E S	INDP05WT
907	23	776	CUG	INDP 003	5259	GCR 21	134N 125 395E S	INDP05WT

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

HEAT FLOW

2145	9	776		HF2M	HEAT FLOW 3	LAW 16	13N	140	543E	S	INDP05WT
945	16	776		HF2M	HEAT FLOW 4	LAW 18	79N	141	52E	S	INDP05WT
15	19	776		HF2M	HEAT FLOW 5	LAW 17	581N	137	9E	S	INDP05WT
1115	20	776		HF2M	HEAT FLOW 6	LAW 18	32N	133	96E	S	INDP05WT
1615	21	776		HF2M	HEAT FLOW 7	LAW 18	329N	131	439E	S	INDP05WT
1200	23	776		HF2M	HEAT FLOW 8	LAW 21	147N	125	390E	S	INDP05WT
930	26	776		HF2M	HEAT FLOW 11	LAW 25	289N	123	514E	S	INDP05WT

*** NEUSTON NET ***

9	7760725	-90	SNNU	INDP 05	TOW 1	MIC 14	106N	141	505E	F	INDP05WT
9	776 553-100		SNNU	INDP 05	TOW 2	MIC 15	597N	140	565E	F	INDP05WT
11	7761035-100		SNNU	INDP 05	TOW 3	MIC 17	242N	142	328E	S	INDP05WT
12	7761524-100		SNNU	INDP 05	TOW 4	MIC 17	360N	145	106E	S	INDP05WT
13	7762000-100		SNNU	INDP 05	TOW 5	MIC 18	125N	144	320E	S	INDP05WT
16	776 706-100		SNNU	INDP 05	TOW 6	MIC 18	14N	142	534E	S	INDP05WT
17	7761108-100		SNNU	INDP 05	TOW 7	MIC 17	580N	139	593E	S	INDP05WT
18	776 56-100		SNNU	INDP 05	TOW 8	MIC 17	583N	139	188E	S	INDP05WT
18	7761603-100		SNNU	INDP 05	TOW 9	MIC 17	267N	137	373E	S	INDP05WT
19	7762240	-90	SNNU	INDP 05	TOW 10	MIC 18	70N	136	541E	S	INDP05WT
20	7761752	-90	SNNU	INDP 05	TOW 11	MIC 18	26N	133	127E	S	INDP05WT
21	7761141	-90	SNNU	INDP 05	TOW 12	MIC 18	194N	132	18E	S	INDP05WT
23	776 805	-90	SNNU	INDP 05	TOW 13	MIC 20	487N	127	105E	S	INDP05WT
23	7761209	-90	SNNU	INDP 05	TOW 14	MIC 21	36N	126	284E	S	INDP05WT
23	7761623	-90	SNNU	INDP 05	TOW 15	MIC 21	121N	125	415E	S	INDP05WT
24	7761052	-90	SNNU	INDP 05	TOW 16	MIC 22	401N	124	393E	S	INDP05WT
24	7761816	-90	SNNU	INDP 05	TOW 17	MIC 22	490N	124	580E	S	INDP05WT
25	7761133	-90	SNNU	INDP 05	TOW 18	MIC 25	175N	124	295E	S	INDP05WT
26	7761920	-80	SNNU	INDP 05	TOW 19	MIC 25	320N	123	516E	S	INDP05WT

*** MIDWATER TRAWL ***

25	7762350	-80	TMK B	MIDWATER TRAWL 3	MVC 25	363N	124	309E	S	INDP05WT
26	776 500	-80	TMK E	MIDWATER TRAWL 3	MVC 25	343N	124	269E	S	INDP05WT

BATHYTHERMOGRAPH CURATOR CAROL CONWAY (EXT.3368)

0	10	776		BTX	NO. SAMPLES = 2	DCP 16	5N	140	534E	S	INDP05WT
0	12	776		BTX	NO. SAMPLES = 3	DCP 18	32N	144	518E	S	INDP05WT
0	13	776		BTX	NO. SAMPLES = 1	DCP 17	456N	144	106E	S	INDP05WT
0	16	776		BTX	NO. SAMPLES = 1	DCP 18	28N	142	260E	S	INDP05WT
0	18	776		BTX	NO. SAMPLES = 2	DCP 17	592N	137	587E	S	INDP05WT
0	19	776		BTX	NO. SAMPLES = 2	DCP 17	581N	137	9E	S	INDP05WT
0	20	776		BTX	NO. SAMPLES = 2	DCP 18	13N	134	592E	S	INDP05WT
0	22	776		BTX	NO. SAMPLES = 1	DCP 18	482N	131	196E	S	INDP05WT

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

0	23	776		BTX	NO. SAMPLES = 1	DCP	20	509N 127	51E S	INDP05WT
0	24	776		BTX	NO. SAMPLES = 3	DCP	22	281N 124	479E S	INDP05WT
0	25	776		BTX	NO. SAMPLES = 4	DCP	24	594N 124	304E S	INDP05WT
0	26	776		BTX	NO. SAMPLES = 11	DCP	25	220N 123	548E S	INDP05WT

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END SAMPLE INDEX