

INDOPAC EXPEDITION

LEG 1

R/V THOMAS WASHINGTON

INFORMAL REPORT AND INDEX OF
NAVIGATION, DEPTH AND MAGNETIC DATA

San Diego, Calif. (24 March 1976)

to

Yokohama, Japan (29 April 1976)

Chief Scientist - K. Kenyon

Resident Marine Tech - R. Wilson

Post-Cruise Processing by - S. Smith,

G. Psaropulos, R. Lingley

Prepared By

Underway Data Processing Group

S.I.O. Geological Data Center

Scripps Institution of Oceanography

La Jolla, California

June 3, 1976

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.

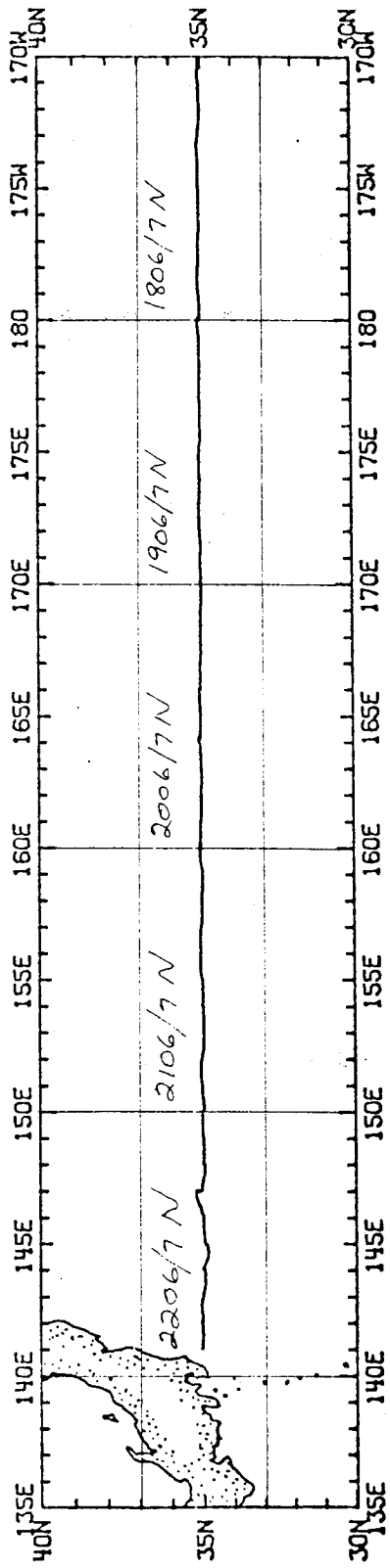
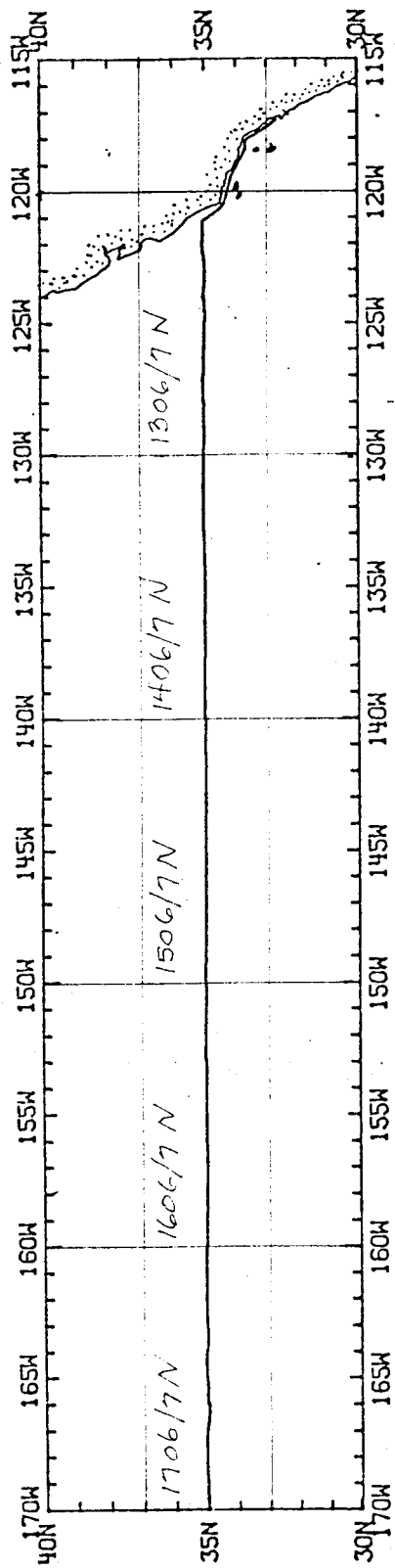
Profiles - Depth and magnetic anomaly vs. distance. Dates (day/month) and positions of major course changes (greater than 30 degrees) are annotated. Sections of track having subbottom profiler (airgun) records have a solid black line along the bottom of the profile.

For information on the availability and reproduction costs of data in the following forms, contact 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

* No Subbottom Profiler Data collected

** Plots have non-standard boundaries to avoid multiple cross-over at 35°N.

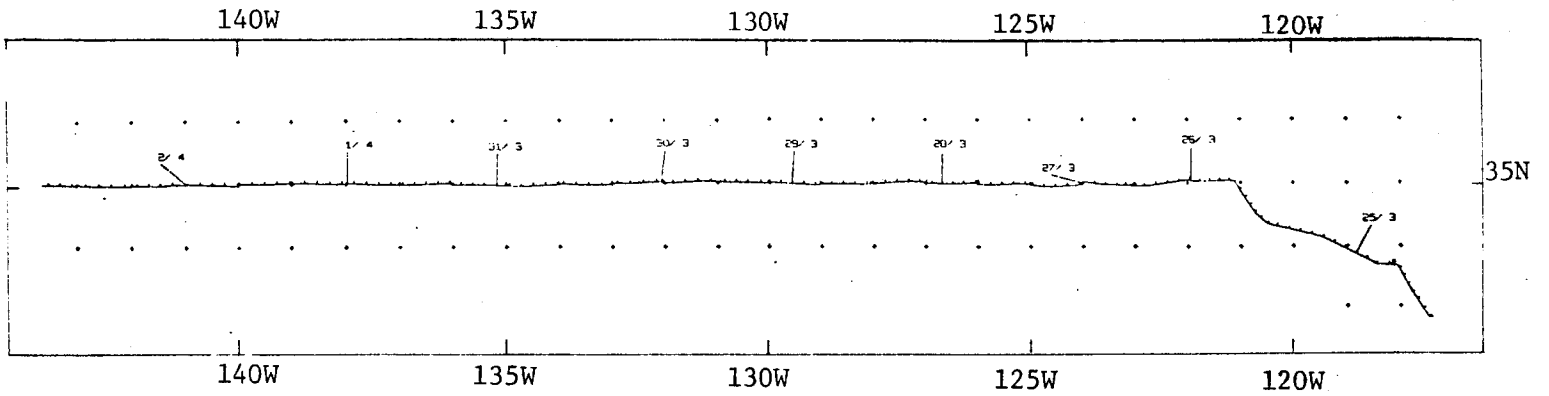


INDOPAC EXPEDITION
LEG 1

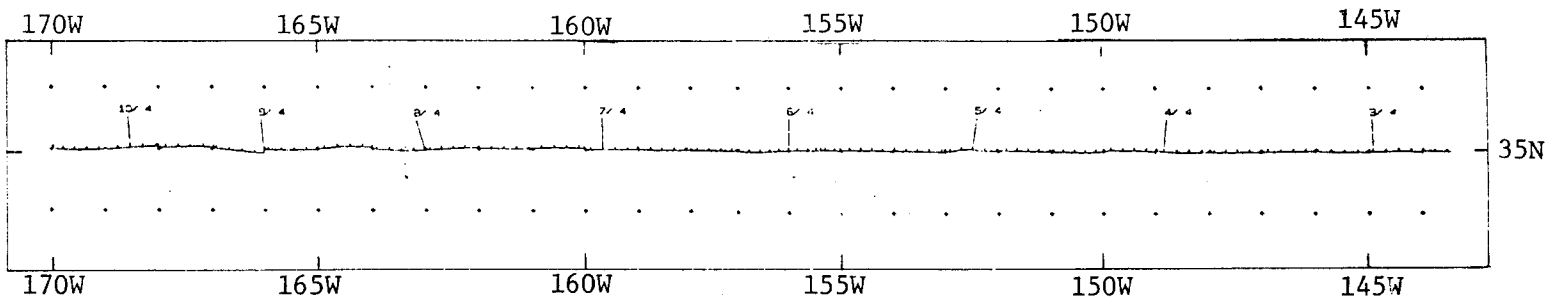
Chief Scientist - Kern Kenyon
Ports: San Diego - Yokohama (24 March - 29 April 1976)

TOTAL MILEAGE

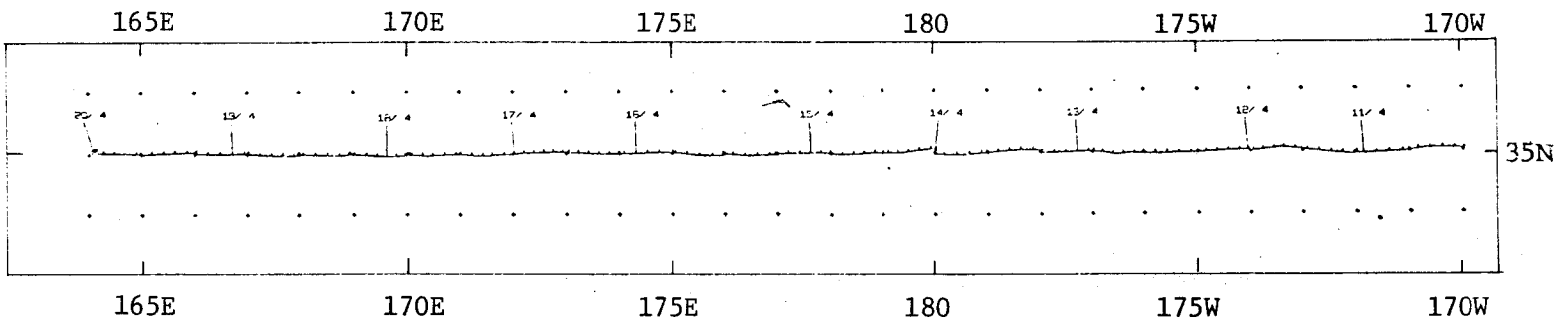
- 1) Cruise - 5470 miles
- 2) Bathymetry - 4910 miles
- 3) Magnetics - 4810 miles
- 4) Seismic Reflection - none collected



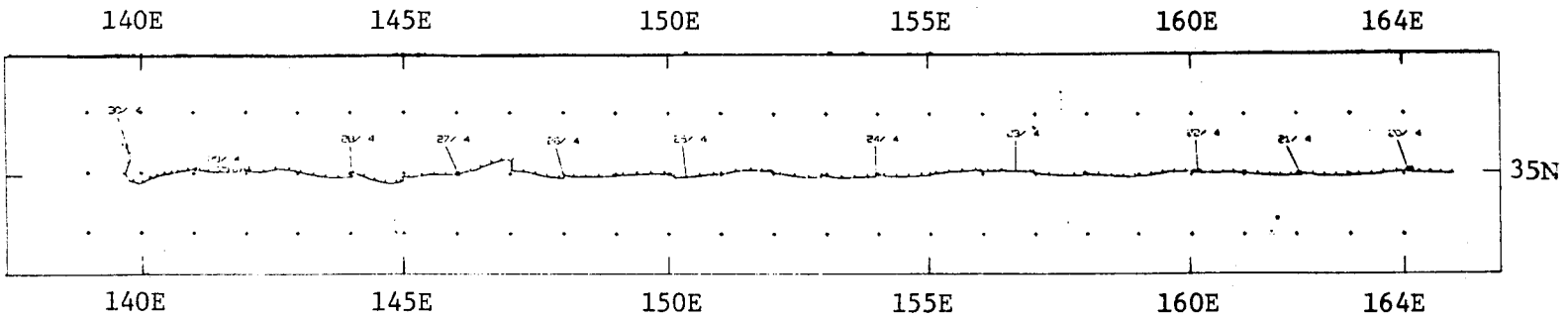
TRACK PLOT (1 of 4)



TRACK PLOT (2 of 4)



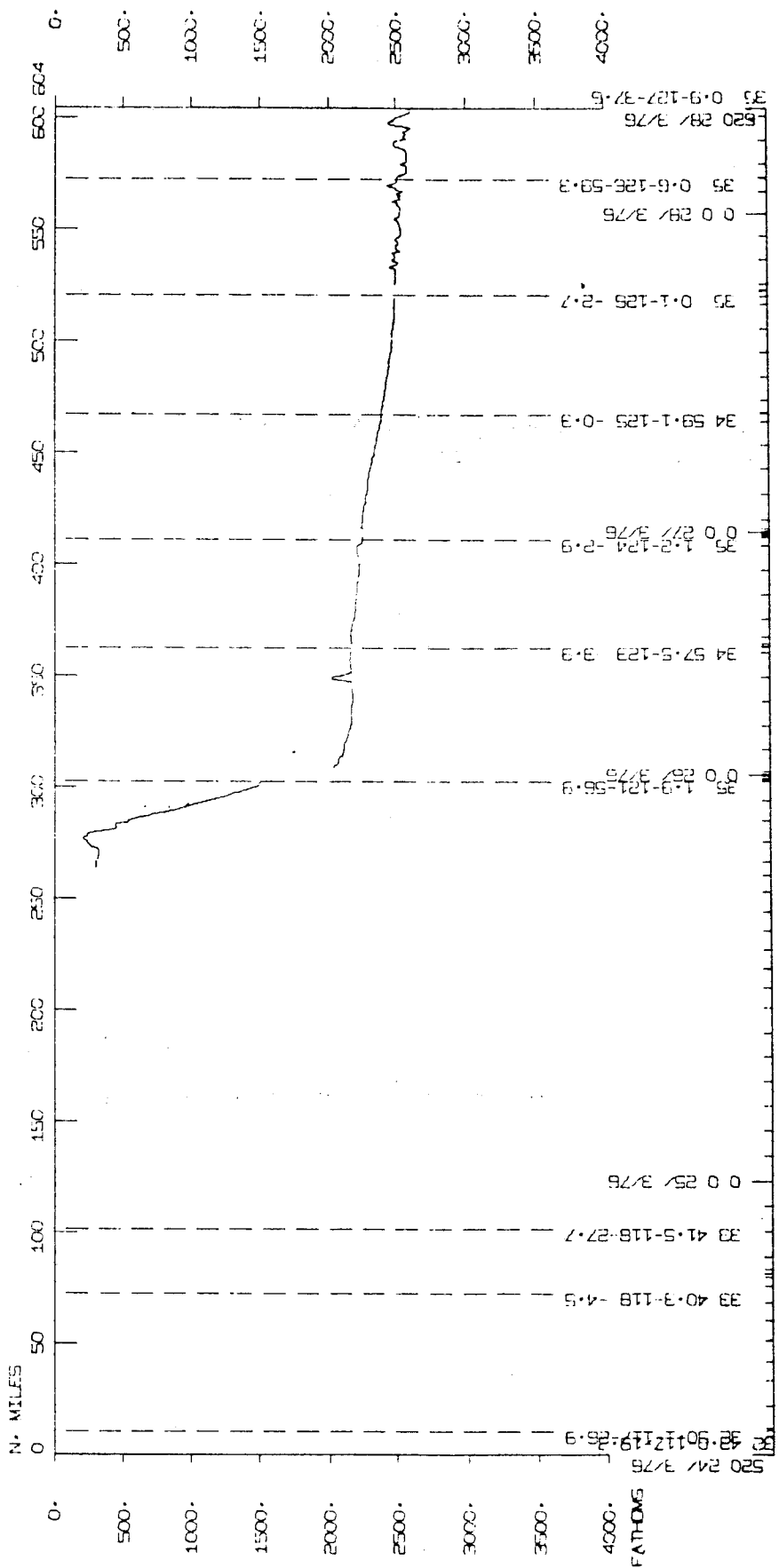
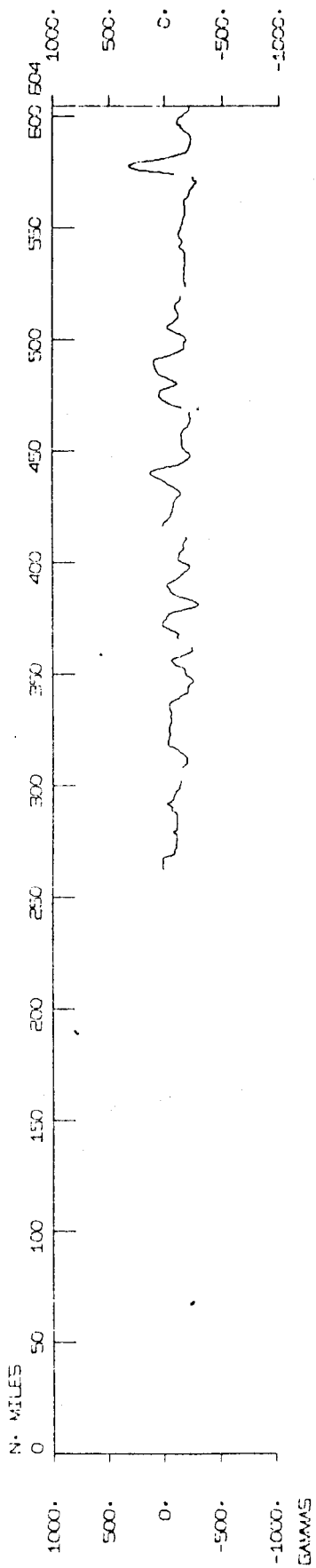
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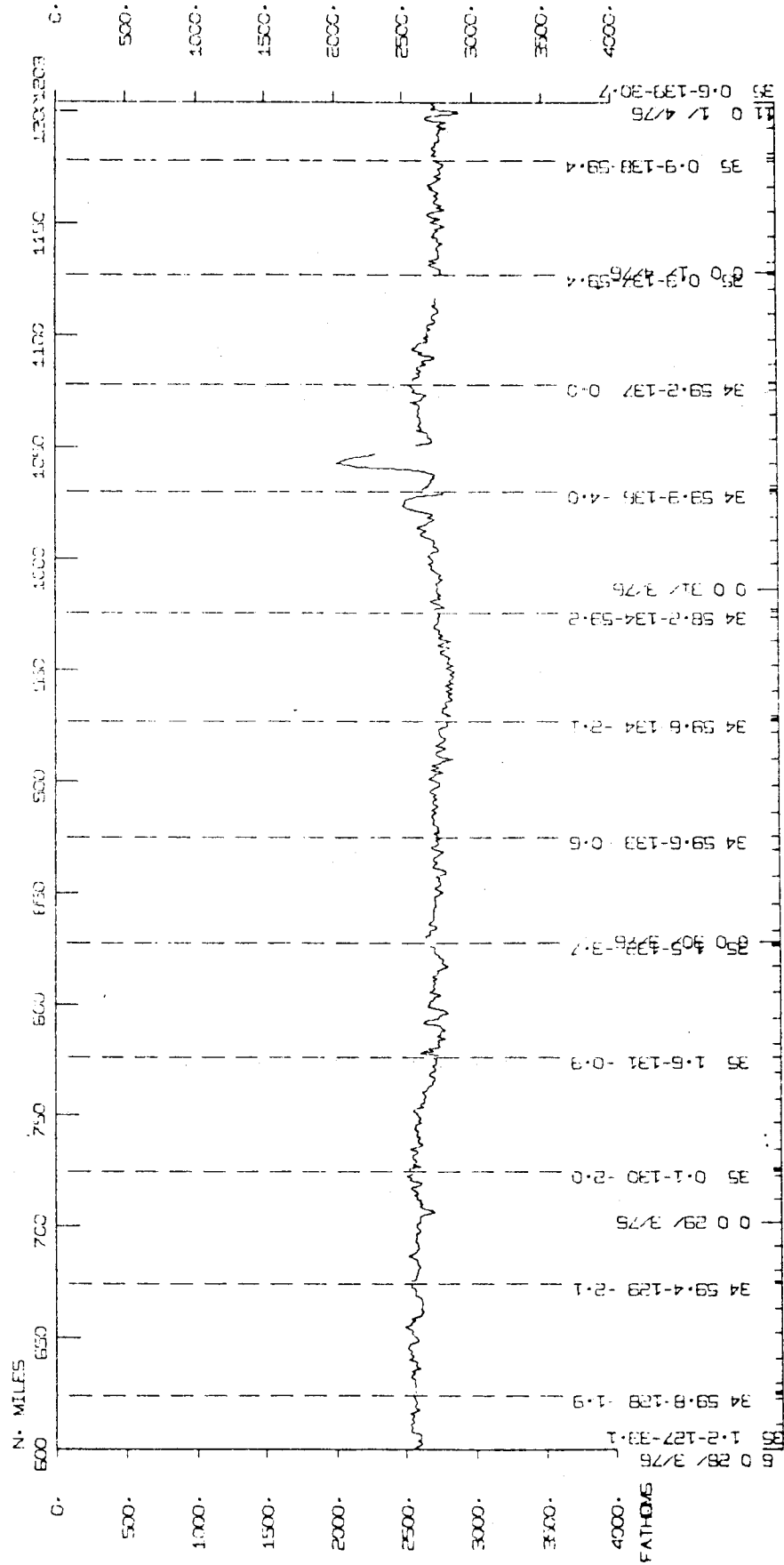
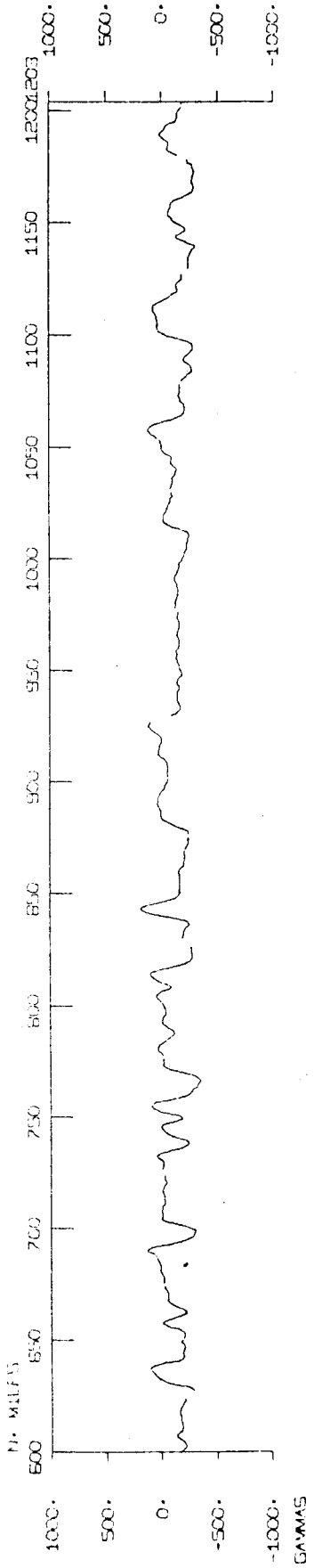
TRACK PLOT (4 of 4)

INDOPAC EXPEDITION LEG 1 TRACK PLOTS

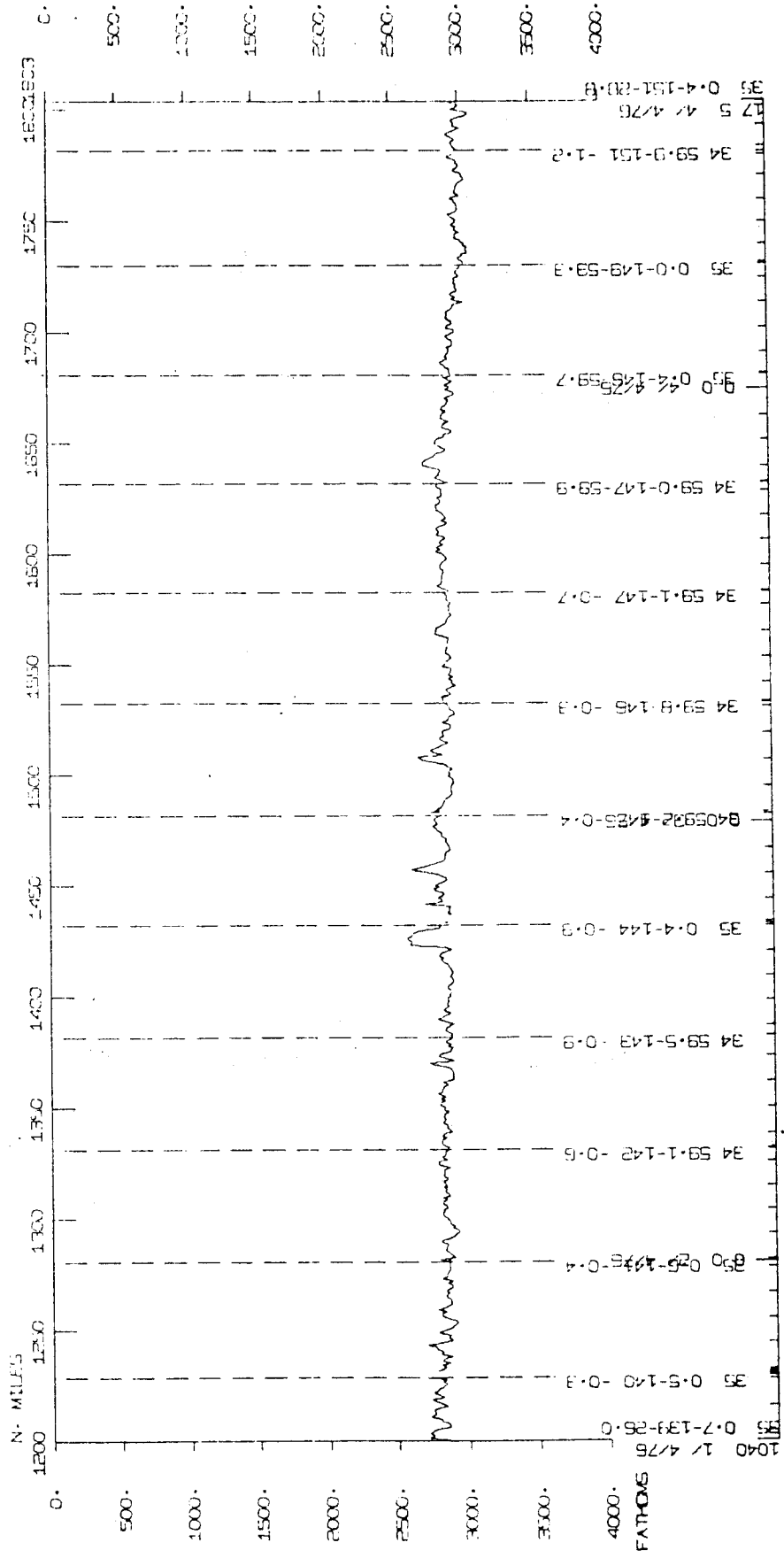
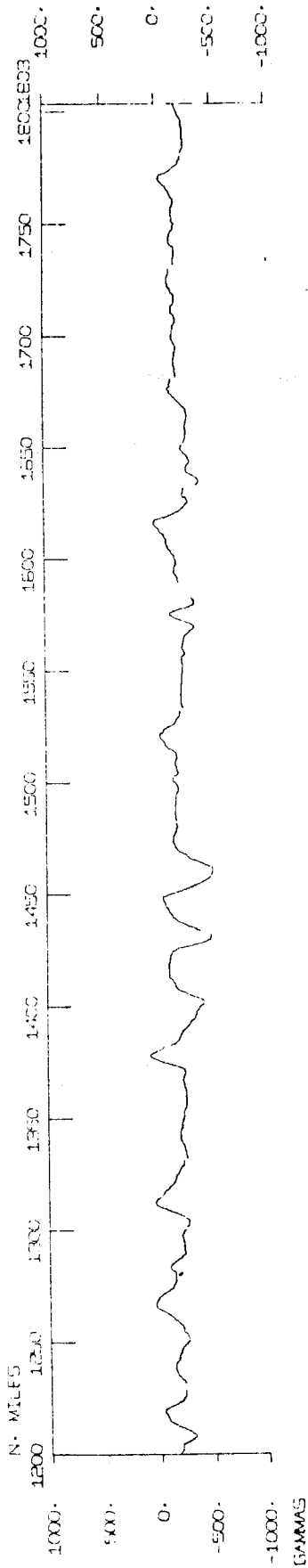
INDOPAC LEG 1



INDOPAC LEG 1

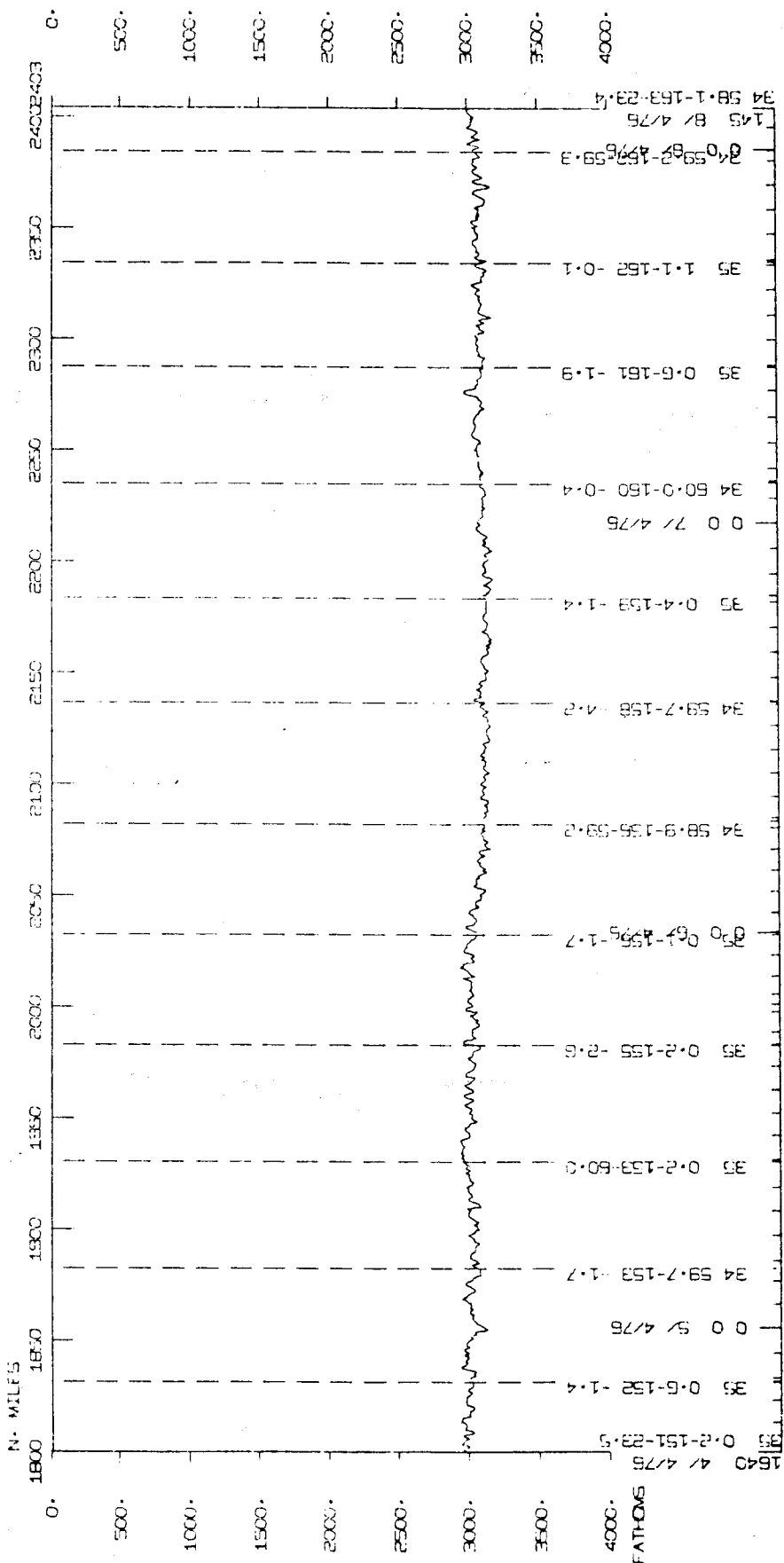
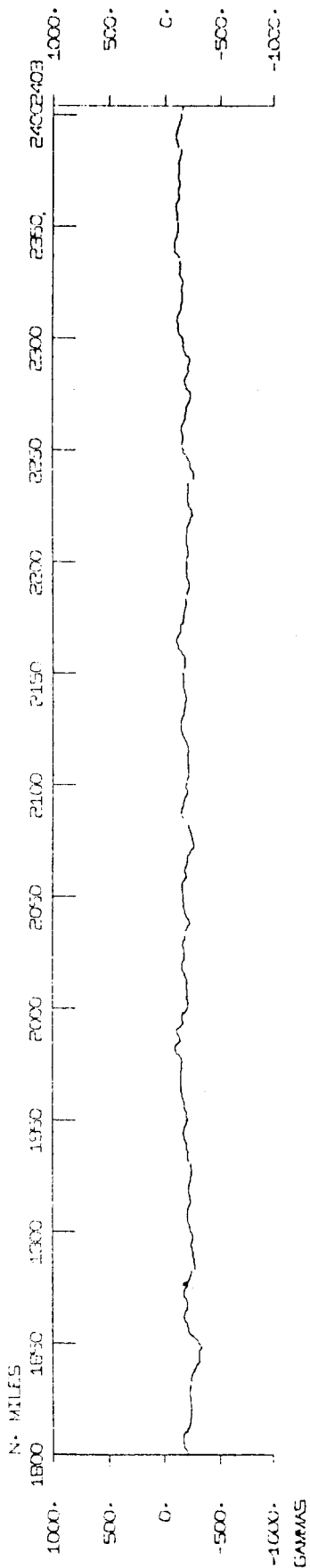


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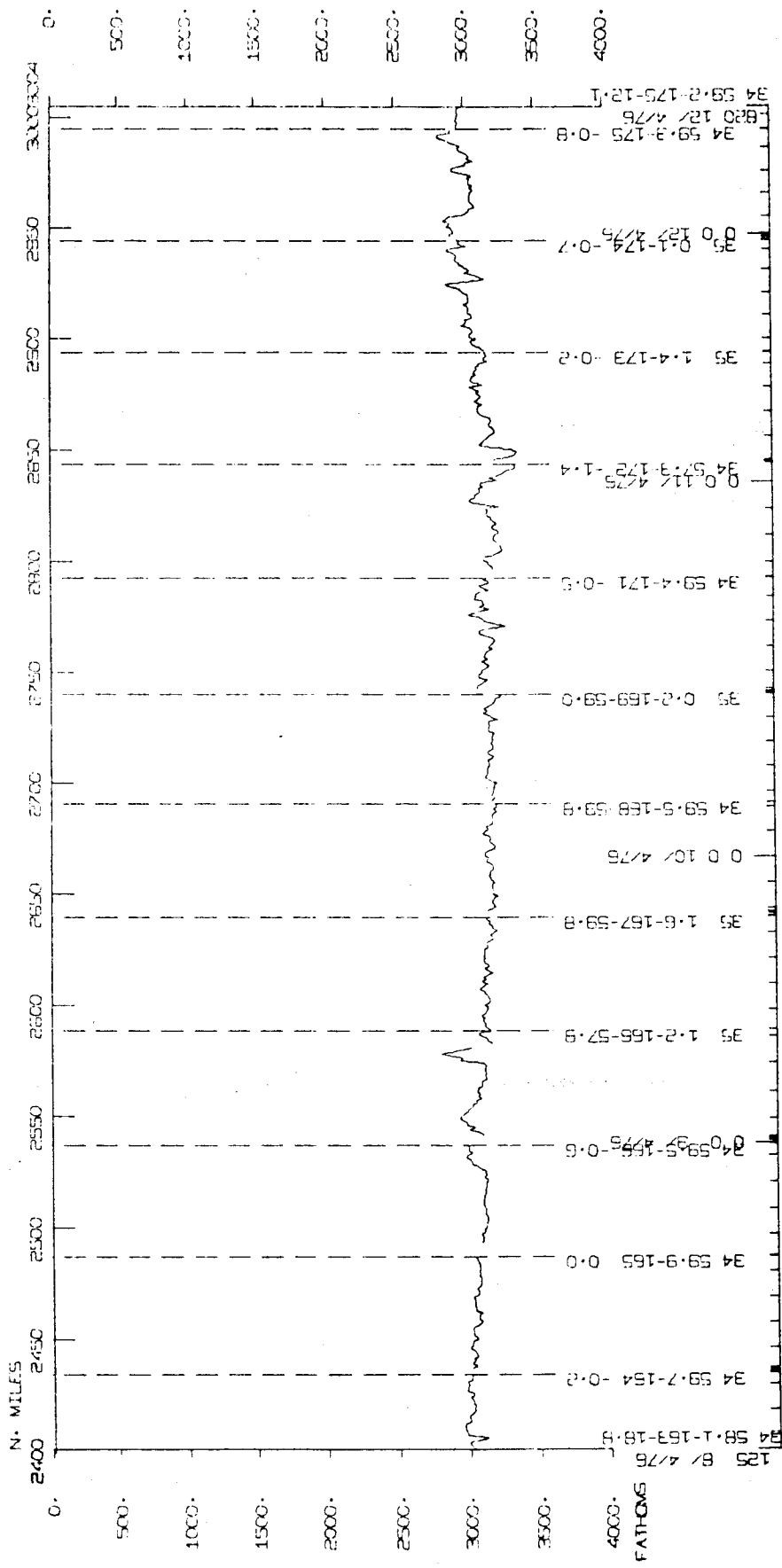
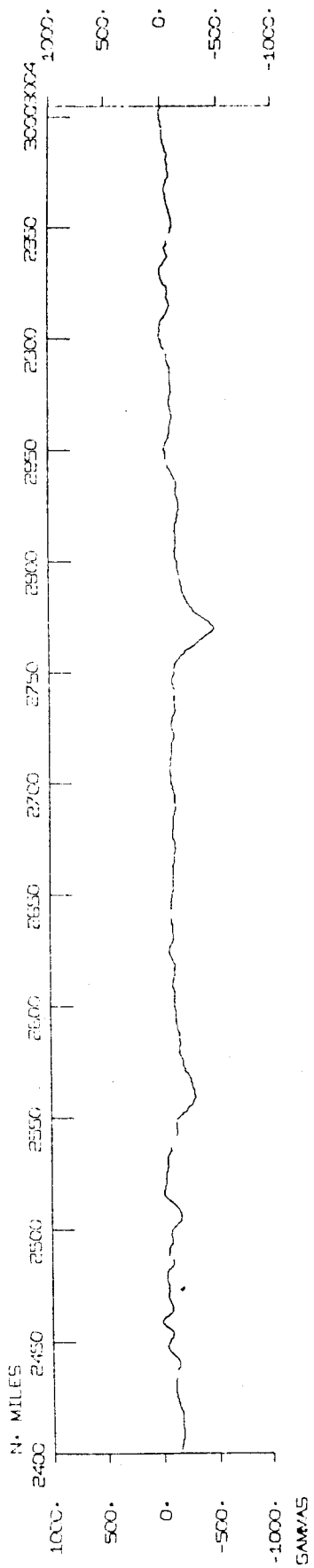


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INDOPAC LEG 1

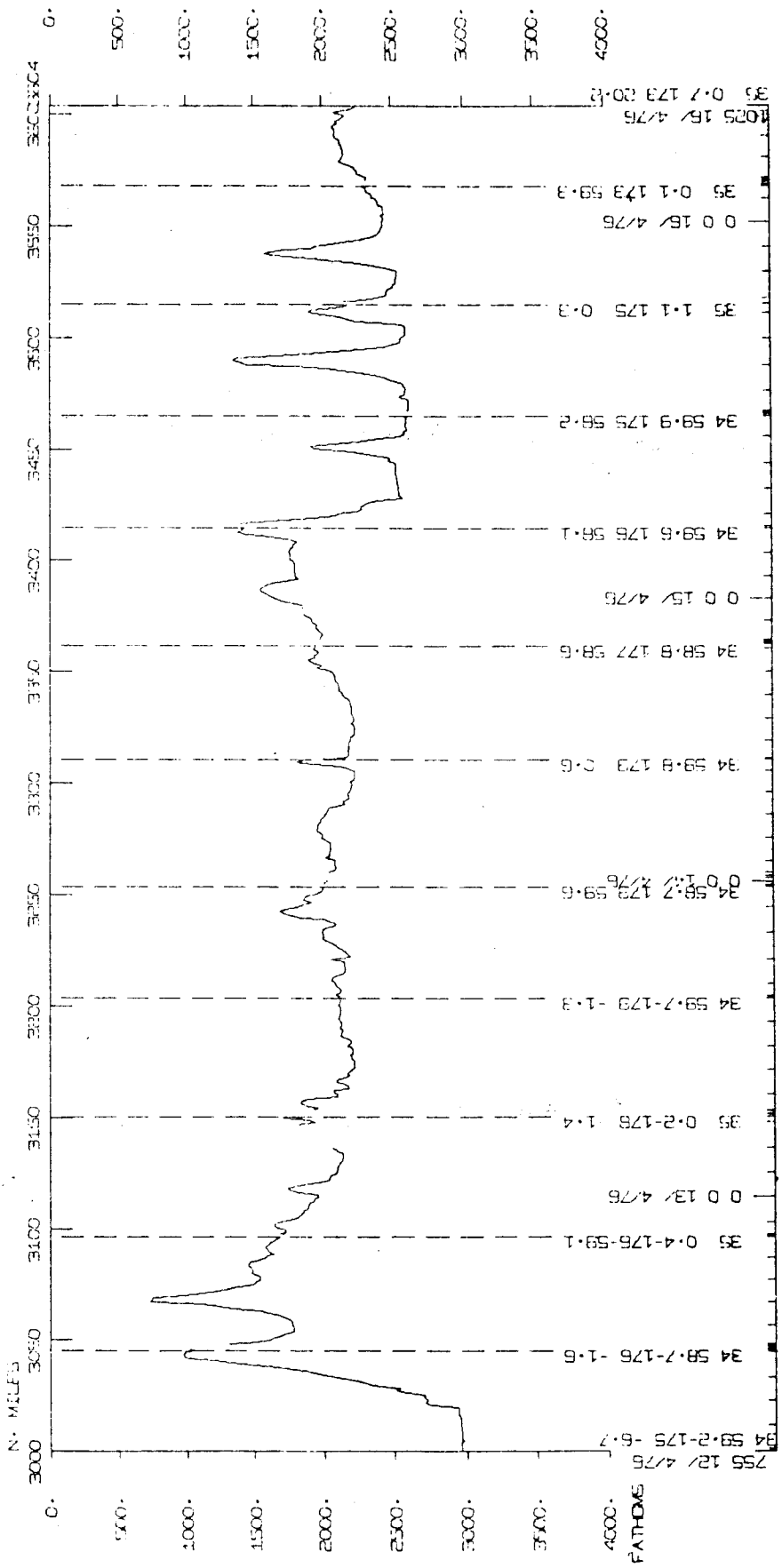
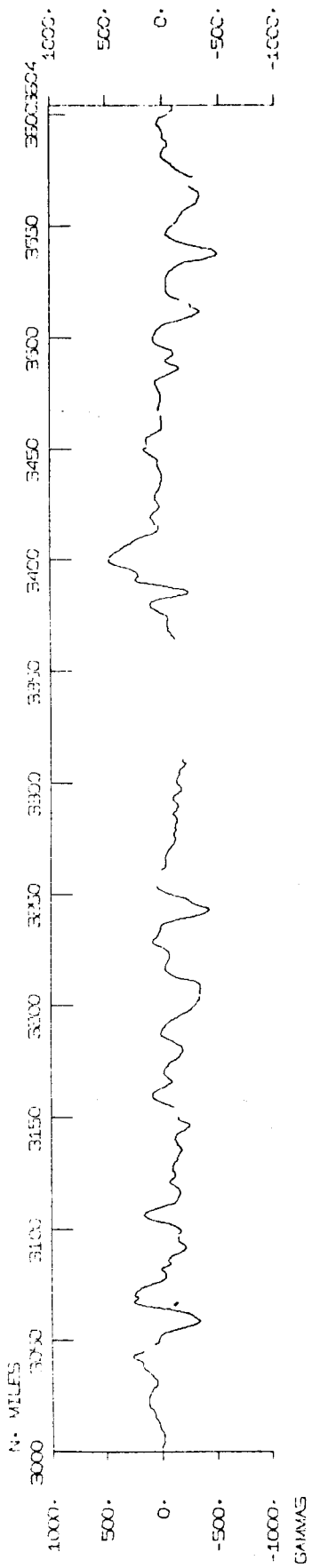


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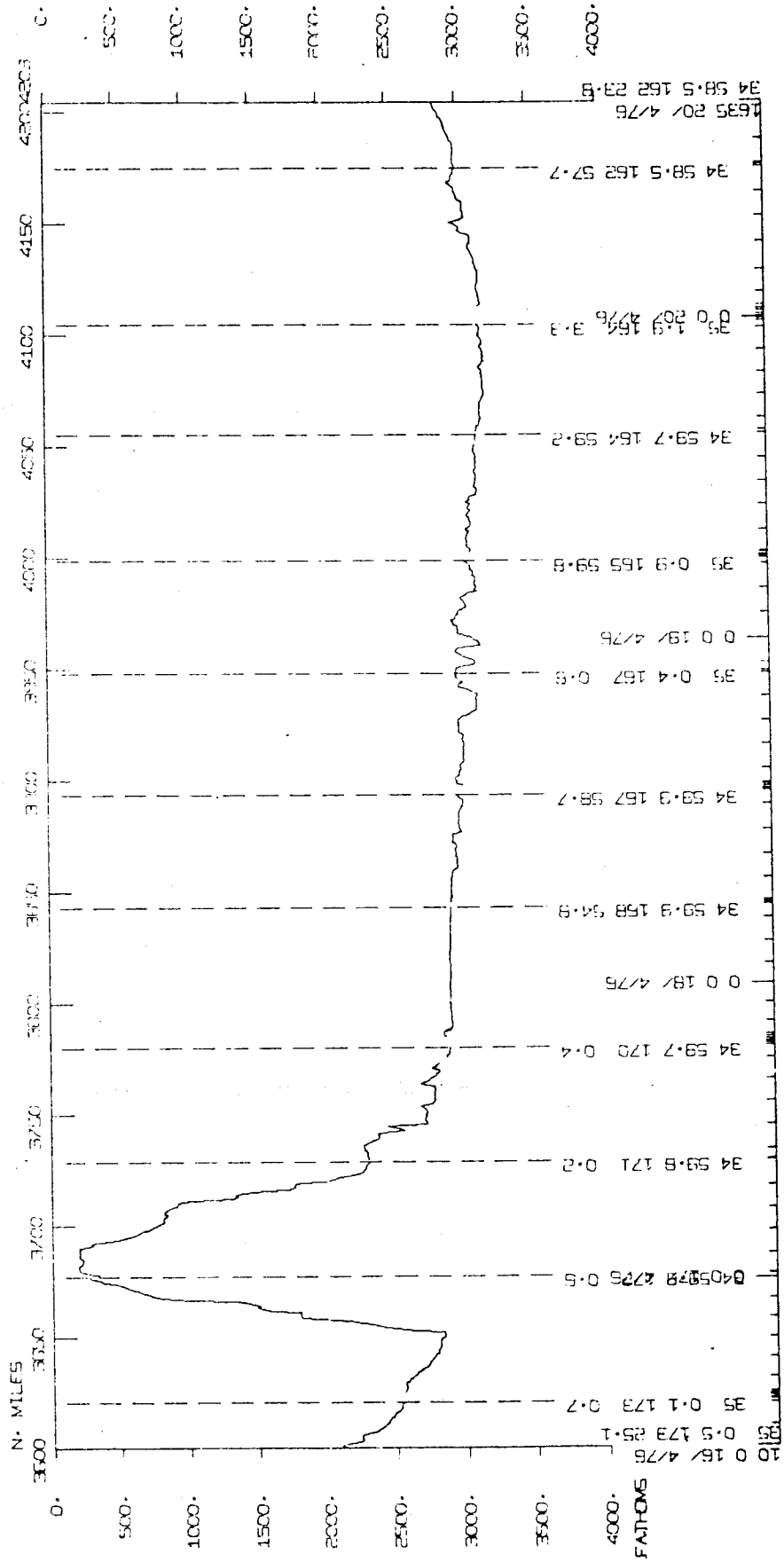
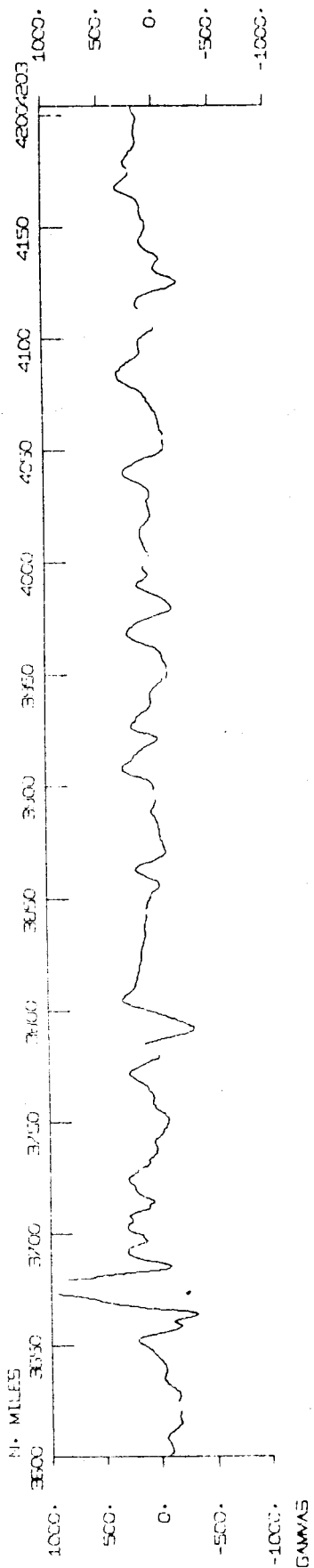
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INDOPAC LEG 1

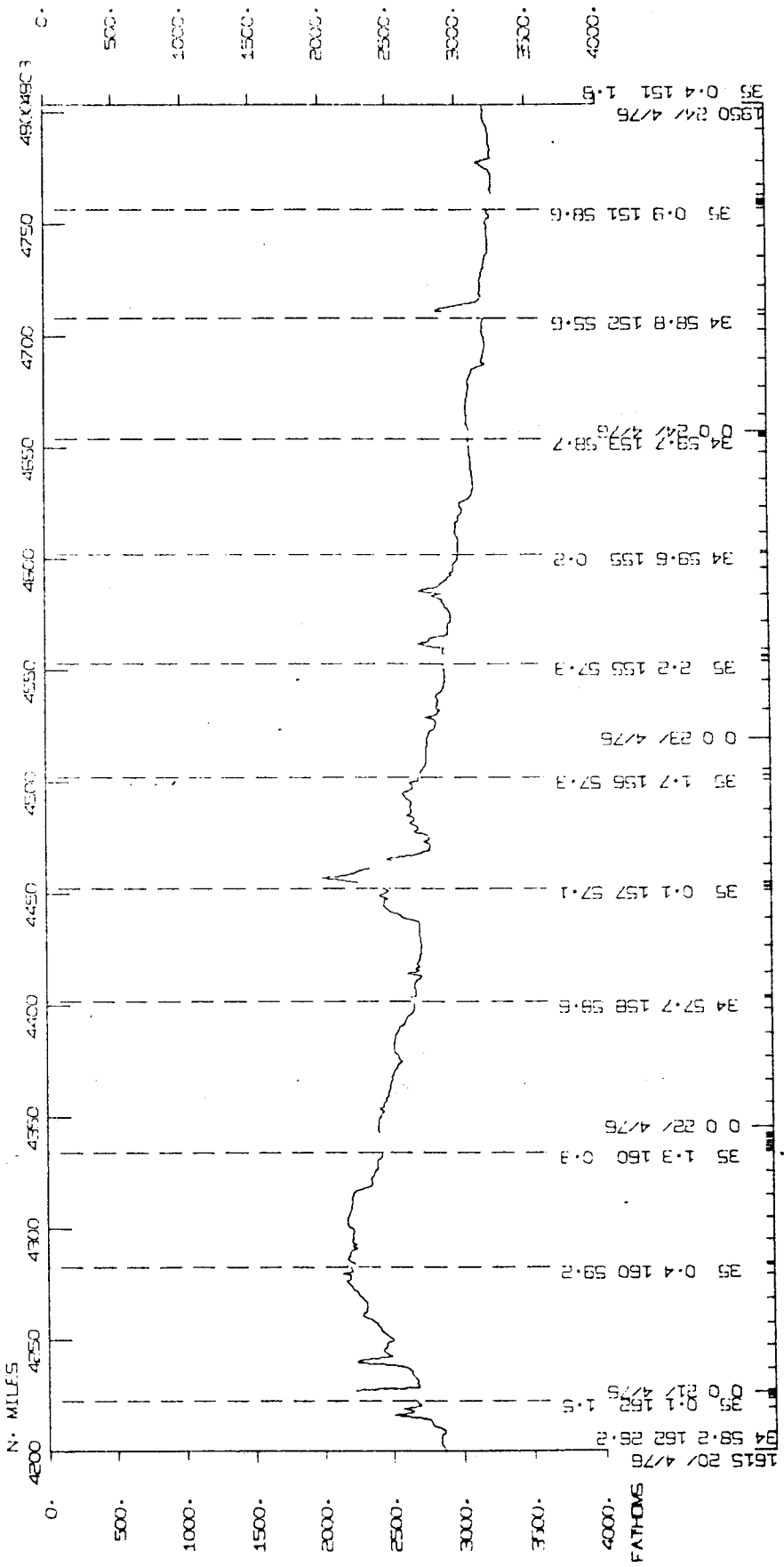
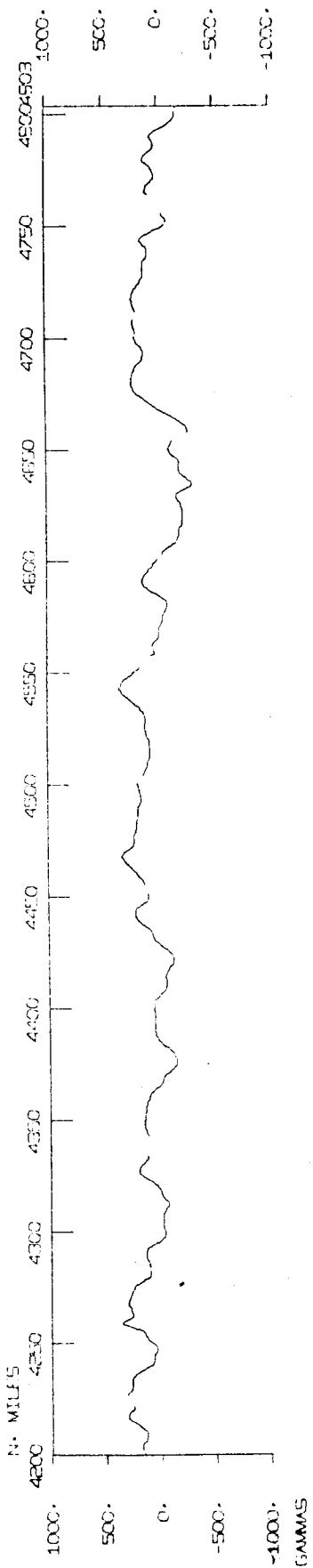


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 34 59.7-179 -1.3
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 0 0.1/ 4/76
 34 59.8 173 0.6
 34 58.8 177 58.6
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 34 59.6 176 58.1
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 1025 16/ 4/76
 35 0.7 173 20.0

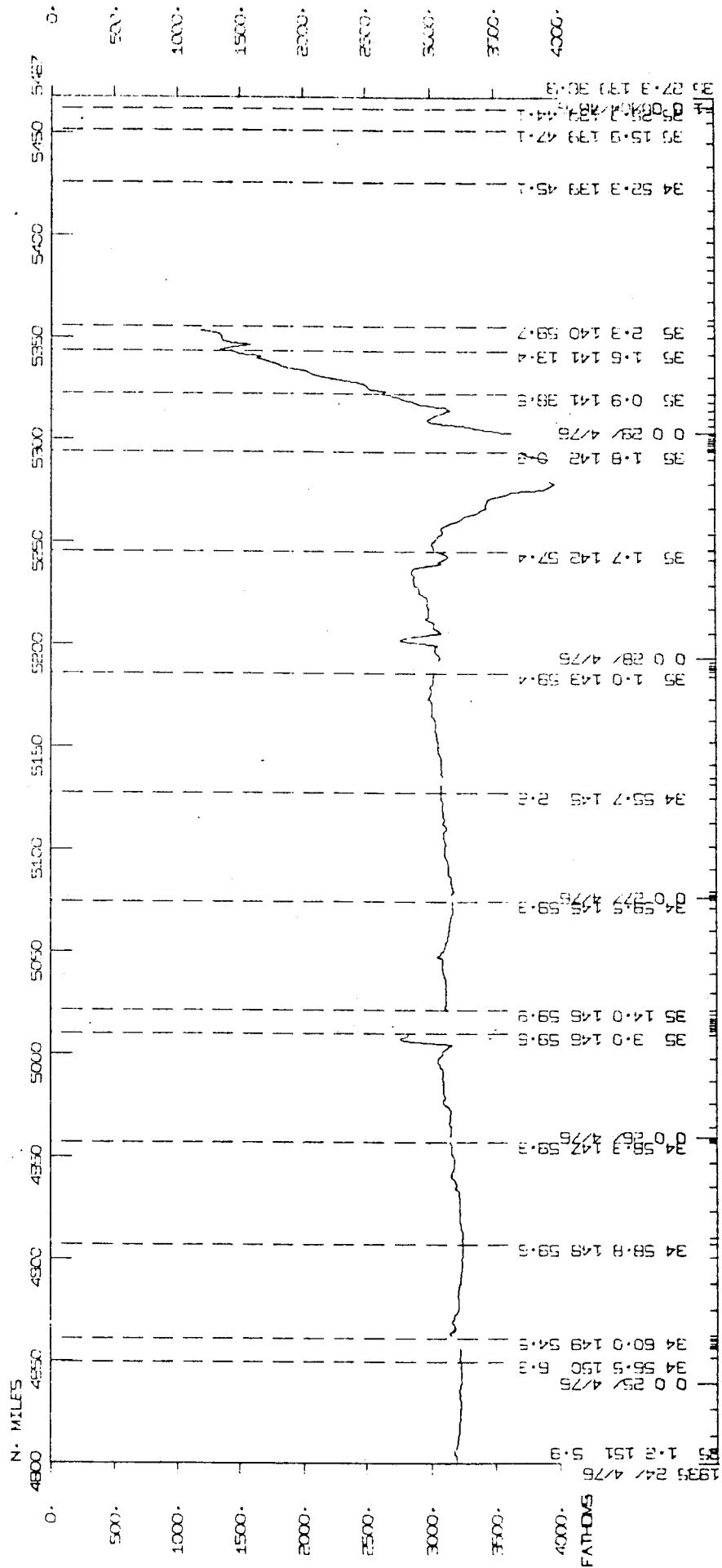
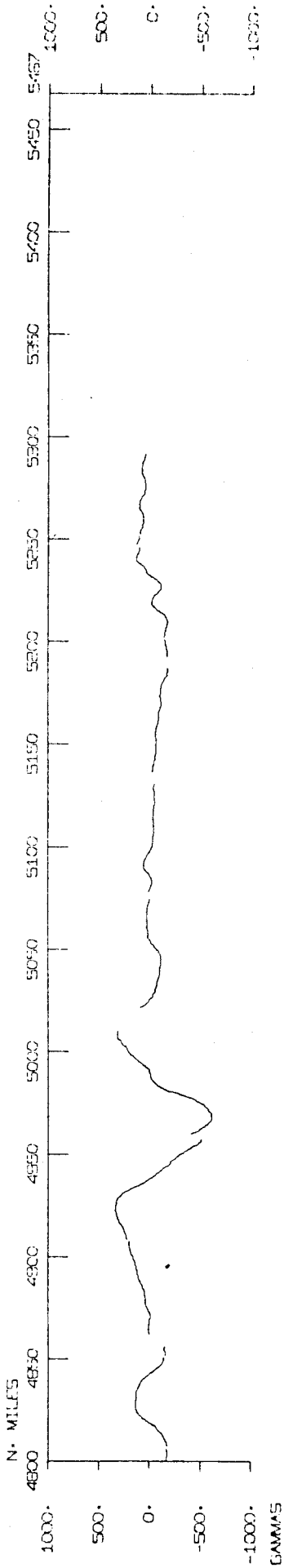
INDOPAC LEG 1



INDOPAC LEG 1



INDUCIAL LEG 1



SAMPLE INDEX
 INDUPAC EXPEDITION, LEG 1

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PORTS

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2200 29 476	LGPT E YOKOHAMA, JAPAN	35 244N 139 442E S	INDP01WT
1616 25 376	LGSS B SEAL BEACH, CA.	35 21N 121 271W S	INDP01WT
2010 25 376	LGSS E SEAL BEACH, CA.	35 24N 121 574W S	INDP01WT

PERSONNEL

PECS	KENYON, K.	NPX	INDP01WT
PERT	WILSON, R.	GTG	INDP01WT
PECT	HENRY, A.	SCG	INDP01WT
PEET	KAYE, R.	DCP	INDP01WT
PEET	SINGLETON, J.	DCP	INDP01WT
PEMT	COSTELLO, J.	DCP	INDP01WT
PEMT	MUUS, D.	DCP	INDP01WT
PEMT	PATLA, S.	DCP	INDP01WT
PEMT	WELLS, J.	NPX	INDP01WT
PE	BOS, D.	GOG	INDP01WT
PES	COATS, D.	SIO	INDP01WT
PE	CONWAY, C.	DCP	INDP01WT
PE	DRUMMOND, D.	MIT	INDP01WT
PES	FLECK, P.	SIO	INDP01WT
PE	GIESKES, J.	SIO	INDP01WT
PE	HESTER, A.	GOG	INDP01WT
PE	LINDSEY, W.	SIX	INDP01WT
PE	LINGLE, D.	GOG	INDP01WT
PES	PARKE, M.	SIO	INDP01WT
PES	SCHECHMAN, N.	SIX	INDP01WT
PES	SHILLER, A.	SIO	INDP01WT

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

03JUN76 PAGE 1
 CRUISE
 LEG-SHIP

TIME GMT	DATE D.M.Y.	TIME LOC	TZ LOC	SAMP CODE	SAMPLE IDENT.	DISP CODE	LAT.	LONG.	CRUISE LEG-SHIP
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UNDERWAY DATA - CURATOR S.M. SMITH (EXT.2182)

*** LOG BOOKS ***

2015	24	376		LBUW B	GEO PHYSICAL LOG	GDC 33	426N 118	71W S	INDPO1WT
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2200	29	476		LBSC E	SCIENTIFIC LOG	NPX 35	244N 139	442E S	INDPO1WT

*** NAVIGATION PLOTS ***

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428	29	376		NVBP B	BRIDGE PLOT 02	GDC 35	1N 130	15W S	INDPO1WT
1016	1	476		NVBP E	BRIDGE PLOT 02	GDC 35	8N 139	204W S	INDPO1WT
1016	1	476		NVBP B	BRIDGE PLOT 03	GDC 35	8N 139	204W S	INDPO1WT
2309	3	476		NVBP E	BRIDGE PLOT 03	GDC 34	590N 148	399W S	INDPO1WT
2309	3	476		NVBP B	BRIDGE PLOT 04	GDC 34	590N 148	399W S	INDPO1WT
2200	6	476		NVBP E	BRIDGE PLOT 04	GDC 35	2N 159	116W S	INDPO1WT
2200	6	476		NVBP B	BRIDGE PLOT 05	GDC 35	2N 159	116W S	INDPO1WT
324	10	476		NVBP E	BRIDGE PLOT 05	GDC 34	596N 168	596W S	INDPO1WT
326	10	476		NVBP B	BRIDGE PLOT 06	GDC 34	596N 168	596W S	INDPO1WT
1422	13	476		NVBP E	BRIDGE PLOT 06	GDC 34	595N 179	5W S	INDPO1WT
1422	13	476		NVBP B	BRIDGE PLOT 07	GDC 34	595N 179	5W S	INDPO1WT
1426	17	476		NVBP E	BRIDGE PLOT 07	GDC 34	597N 170	9E S	INDPO1WT
2028	17	476		NVBP B	BRIDGE PLOT 08	GDC 34	582N 170	52E S	INDPO1WT
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1853	20	476		NVBP B	BRIDGE PLOT 09	GDC 34	600N 162	20E S	INDPO1WT
2125	24	476		NVBP E	BRIDGE PLOT 09	GDC 35	1N 150	577E S	INDPO1WT
2128	24	476		NVBP B	BRIDGE PLOT 10	GDC 35	1N 150	576E S	INDPO1WT
2358	28	476		NVBP E	BRIDGE PLOT 10	GDC 35	32N 142	14E S	INDPO1WT
516	24	376		NVCP B	COMPUTER DR PLOT 01	GDC 32	414N 117	186W S	INDPO1WT
330	27	376		NVCP E	COMPUTER DR PLOT 01	GDC 34	586N 123	593W S	INDPO1WT

TIME GMT	DATE D.M.Y.	TIME LOC	TZ LOC	SAMP CODE	SAMPLE IDENT.	DISP CODE	LAT.	LONG.	CRUISE LEG-SHIP
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240	1	476		NVCP B	COMPUTER DR PLOT 04	GDC 35	2N 137	599W	S INDP01WT
150	3	476		NVCP E	COMPUTER DR PLOT 04	GDC 34	590N 144	595W	S INDP01WT
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530	9	476		NVCP E	COMPUTER DR PLOT 07	GDC 34	558N 166	33W	S INDP01WT
538	9	476		NVCP B	COMPUTER DR PLOT 08	GDC 34	560N 166	53W	S INDP01WT
1400	11	476		NVCP E	COMPUTER DR PLOT 08	GDC 35	17N 173	1W	S INDP01WT
1410	11	476		NVCP B	COMPUTER DR PLOT 09	GDC 35	17N 173	4W	S INDP01WT
2030	13	476		NVCP E	COMPUTER DR PLOT 09	GDC 34	590N 179	595E	S INDP01WT
2040	13	476		NVCP B	COMPUTER DR PLOT 10	GDC 34	590N 179	595E	S INDP01WT
1810	16	476		NVCP E	COMPUTER DR PLOT 10	GDC 35	21N 173	38E	S INDP01WT
1820	16	476		NVCP B	COMPUTER DR PLOT 11	GDC 35	20N 173	37E	S INDP01WT
1001	19	476		NVCP E	COMPUTER DR PLOT 11	GDC 35	23N 166	29E	S INDP01WT
1010	19	476		NVCP B	COMPUTER DR PLOT 12	GDC 35	24N 166	31E	S INDP01WT
602	22	476		NVCP E	COMPUTER DR PLOT 12	GDC 34	578N 158	577E	S INDP01WT
630	22	476		NVCP B	COMPUTER DR PLOT 13	GDC 34	574N 158	576E	S INDP01WT
1600	24	476		NVCP E	COMPUTER DR PLOT 13	GDC 35	23N 151	520E	S INDP01WT
1610	24	476		NVCP B	COMPUTER DR PLOT 14	GDC 35	24N 151	516E	S INDP01WT
1230	27	476		NVCP E	COMPUTER DR PLOT 14	GDC 34	516N 144	570E	S INDP01WT
1240	27	476		NVCP B	COMPUTER DR PLOT 15	GDC 34	513N 144	552E	S INDP01WT
2200	29	476		NVCP E	COMPUTER DR PLOT 15	GDC 35	244N 139	442E	S INDP01WT

*** MAGNETOMETER ***

1433	25	376		MGR B	MAGNETICS R-01	GDC 35	19N 121	77W	S INDP01WT
1251	13	476		MGR E	MAGNETICS R-01	GDC 34	597N 179	7W	S INDP01WT
1415	13	476		MGR B	MAGNETICS R-02	GDC 34	595N 179	6W	S INDP01WT
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644	12	476		DPRT B	GDR 12KHZ R-03	GDC 34	593N	175 8W	S INDP01WT
600	15	476		DPRT E	GDR 12KHZ R-03	GDC 34	580N	176 371E	S INDP01WT
719	15	476		DPRT B	GDR 12KHZ R-04	GDC 34	583N	176 188E	S INDP01WT
200	18	476		DPRT E	GDR 12KHZ R-04	GDC 34	587N	169 144E	S INDP01WT
307	18	476		DPRT B	GDR 12KHZ R-05	GDC 34	596N	168 598E	S INDP01WT
1823	20	476		DPRT E	GDR 12KHZ R-05	GDC 35	1N	162 16E	S INDP01WT
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2347	23	476		DPRT E	GDR 12KHZ R-06	GDC 34	578N	153 573E	S INDP01WT
2358	23	476		DPRT B	GDR 12KHZ R-07	GDC 34	576N	153 574E	S INDP01WT
2317	26	476		DPRT E	GDR 12KHZ R-07	GDC 34	580N	146 9E	S INDP01WT
2326	26	476		DPRT B	GDR 12KHZ R-08	GDC 34	580N	146 9E	S INDP01WT
828	29	476		DPRT E	GDR 12KHZ R-08	GDC 35	23N	140 598E	S INDP01WT
1505	25	376		DPR3 B	GDR 3.5KHZ R-01	GDC 35	22N	121 137W	S INDP01WT
535	30	376		DPR3 E	GDR 3.5KHZ R-01	GDC 34	596N	133 6W	S INDP01WT
542	30	376		DPR3 B	GDR 3.5KHZ R-02	GDC 34	595N	133 6W	S INDP01WT
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1641	2	476		DPR3 B	GDR 3.5KHZ R-03	GDC 34	599N	143 428W	S INDP01WT
1915	6	476		DPR3 E	GDR 3.5KHZ R-03	GDC 35	4N	159 13W	S INDP01WT
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337	10	476		DPR3 B	GDR 3.5KHZ R-05	GDC 34	595N	169 5W	S INDP01WT
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1250	12	476		DPR3 B	GDR 3.5KHZ R-06	GDC 34	585N	176 12W	S INDP01WT
2130	14	476		DPR3 E	GDR 3.5KHZ R-06	GDC 34	595N	177 586E	S INDP01WT
2140	14	476		DPR3 B	GDR 3.5KHZ R-07	GDC 34	596N	177 587E	S INDP01WT
1500	17	476		DPR3 E	GDR 3.5KHZ R-07	GDC 34	595N	170 9E	S INDP01WT
1920	17	476		DPR3 B	GDR 3.5KHZ R-08	GDC 34	586N	170 39E	S INDP01WT
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***FATHOGRAMS ***

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505	24	476		DPR3 B	GDR 3.5KHZ R-10	GDC 34	580N	152 548E	S INDP01WT
521	28	476		DPR3 E	GDR 3.5KHZ R-10	GDC 35	18N	142 573E	S INDP01WT
529	28	476		DPR3 B	GDR 3.5KHZ R-11	GDC 35	18N	142 573E	S INDP01WT
828	29	476		DPR3 E	GDR 3.5KHZ R-11	GDC 35	23N	140 598E	S INDP01WT

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

2015	24	376		GVR B	GRAVITYMETER R-01	LMD 33	426N	118 71W	S INDP01WT
1339	29	376		GVR E	GRAVITYMETER R-01	LMD 35	16N	131 6W	S INDP01WT
1345	29	376		GVR B	GRAVITYMETER R-02	LMD 35	16N	131 6W	S INDP01WT
750	4	476		GVR E	GRAVITYMETER R-02	LMD 34	596N	149 599W	S INDP01WT
800	4	476		GVR B	GRAVITYMETER R-03	LMD 34	596N	150 1W	S INDP01WT
1330	9	476		GVR E	GRAVITYMETER R-03	LMD 35	22N	167 307W	S INDP01WT
1345	9	476		GVR B	GRAVITYMETER R-04	LMD 35	22N	167 342W	S INDP01WT
1452	14	476		GVR E	GRAVITYMETER R-04	LMD 34	588N	178 13E	S INDP01WT
1500	14	476		GVR B	GRAVITYMETER R-05	LMD 34	588N	177 596E	S INDP01WT
1845	19	476		GVR E	GRAVITYMETER R-05	LMD 35	11N	164 332E	S INDP01WT
1900	19	476		GVR B	GRAVITYMETER R-06	LMD 35	11N	164 301E	S INDP01WT
2025	24	476		GVR E	GRAVITYMETER R-06	LMD 35	1N	150 591E	S INDP01WT

*** MIDWATER TRAWL ***

2343	28	476		TMIK B	0	MIC 35	37N	142 15E	S INDP01WT
457	29	476		TMIK E	0	MIC 35	9N	141 387E	S INDP01WT

*** UPEN NET ***

2128	28	476		ON1M B	0	MIC 35	35N	142 25E	S INDP01WT
2149	28	476		ON1M E	0	MIC 35	35N	142 29E	S INDP01WT

THERMOGRAPH

2010	25	376		TGR B	THERMOGRAPH	NPX 35	24N	121 574W	S INDP01WT
2200	29	476		TGR E	THERMOGRAPH	NPX 35	244N	139 442E	S INDP01WT

TIME GMT	DATE D.M.Y.	TIME LOC	TZ LOC	SAMP CODE	SAMPLE IDENT.	DISP CODE	LAT.	LONG.	CRUISE LEG-SHIP
*** SURFACE NET ***									
252	29	476		SNNU B	H	MIC 35	15N 141	489E S	INDP01WT
302	29	476		SNNU E	H	MIC 35	14N 141	481E S	INDP01WT
1845	29	376		SNNU B	H	1	MIT 35	9N 132	17W S INDP01WT
1900	29	376		SNNU E	H	1	MIT 35	9N 132	20W S INDP01WT
1640	30	376		SNNU B	H	2	MIT 34	590N 134	26W S INDP01WT
1650	30	376		SNNU E	H	2	MIT 34	589N 134	28W S INDP01WT
220	1	476		SNNU B	H	3	MIT 34	599N 137	594W S INDP01WT
235	1	476		SNNU E	H	3	MIT 35	1N 137	597W S INDP01WT
1940	2	476		SNNU B	H	4	MIT 34	597N 144	13W S INDP01WT
1955	2	476		SNNU E	H	4	MIT 34	594N 144	14W S INDP01WT
2125	4	476		SNNU B	H	5	MIT 35	4N 152	20W S INDP01WT
2140	4	476		SNNU E	H	5	MIT 35	4N 152	18W S INDP01WT
2030	6	476		SNNU B	H	6	MIT 34	600N 159	1W S INDP01WT
2045	6	476		SNNU E	H	6	MIT 34	600N 159	1W S INDP01WT
2230	8	476		SNNU B	H	7	MIT 34	595N 166	6W S INDP01WT
2245	8	476		SNNU E	H	7	MIT 34	593N 166	6W S INDP01WT
2135	9	476		SNNU B	H	8	MIT 35	24N 168	14W S INDP01WT
2150	9	476		SNNU E	H	8	MIT 35	25N 168	18W S INDP01WT
45	11	476		SNNU B	H	9	MIT 34	574N 172	14W S INDP01WT
100	11	476		SNNU E	H	9	MIT 34	572N 172	15W S INDP01WT
315	13	476		SNNU B	H	10	MIT 35	1N 178	13W S INDP01WT
320	13	476		SNNU E	H	10	MIT 35	2N 178	14W S INDP01WT
310	14	476		SNNU B	H	11	MIT 35	35N 179	589W S INDP01WT
325	14	476		SNNU E	H	11	MIT 35	38N 179	592W S INDP01WT
2145	14	476		SNNU B	H	12	MIT 34	596N 177	587E S INDP01WT
2200	14	476		SNNU E	H	12	MIT 34	596N 177	588E S INDP01WT
245	17	476		SNNU B	H	13	MIT 34	597N 172	15E S INDP01WT
300	17	476		SNNU E	H	13	MIT 34	597N 172	16E S INDP01WT
315	20	476		SNNU B	H	14	MIT 35	36N 164	74E S INDP01WT
330	20	476		SNNU E	H	14	MIT 35	35N 164	78E S INDP01WT

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

2308	25	376		HCNI	TSONI	G K	01DP	DCP 35 33N 121 562W	S INDP01WT
246	26	376		HCNI	TSONI	G K	01SH	DCP 35 37N 121 562W	S INDP01WT
1115	26	376		HCNI	TSO		02	DCP 34 580N 123 51W	S INDP01WT
2150	26	376		HCNI	TSO	G K	03MD	DCP 35 3N 124 6W	S INDP01WT
2350	26	376		HCNI	TSO	G K	03DP	DCP 35 1N 123 600W	S INDP01WT
250	27	376		HCNI	TSO	G K	03SH	DCP 34 592N 123 592W	S INDP01WT
940	27	376		HCNI	TSO		04	DCP 34 593N 124 598W	S INDP01WT
1700	27	376		HCNI	TSONI	G K	05DP	DCP 35 3N 126 21W	S INDP01WT
1947	27	376		HCNI	TSONI	G K	05SH	DCP 35 11N 125 598W	S INDP01WT
239	28	376		HCNI	TSO		06	DCP 35 10N 126 591W	S INDP01WT
1034	28	376		HCNI	TSONI	G K	07DP	DCP 34 590N 128 30W	S INDP01WT
1420	28	376		HCNI	TSONI	G K	07SH	DCP 34 590N 128 34W	S INDP01WT
1458	28	376		HCNI	TSO		07MD	DCP 34 592N 128 35W	S INDP01WT
2051	28	376		HCNI	TSO		08	DCP 34 588N 129 22W	S INDP01WT
345	29	376		HCNI	TSONI	G K	09DP	DCP 34 599N 130 19W	S INDP01WT
712	29	376		HCNI	TSO I	G K	09SH	DCP 35 2N 130 10W	S INDP01WT
1344	29	376		HCNI	TSO		10	DCP 35 16N 131 6W	S INDP01WT
2029	29	376		HCNI	TSO	K	11DP	DCP 35 10N 132 25W	S INDP01WT
28	30	376		HCNI	TSO I	G K	11SH	DCP 35 13N 132 42W	S INDP01WT
625	30	376		HCNI	TSO		12	DCP 34 593N 133 3W	S INDP01WT
1312	30	376		HCNI	TSONI	K	13DP	DCP 34 593N 134 17W	S INDP01WT
1616	30	376		HCNI	TSONI	G K	13SH	DCP 34 592N 134 23W	S INDP01WT
2218	30	376		HCNI	TSO		14	DCP 34 587N 134 590W	S INDP01WT
845	31	376		HCNI	TSO	G K	15SH	DCP 35 4N 136 28W	S INDP01WT
1438	31	376		HCNI	TSO		16	DCP 34 591N 137 2W	S INDP01WT
2230	31	376		HCNI	TSONI	K	17DP	DCP 35 6N 137 590W	S INDP01WT
145	1	476		HCNI	TSONI	G K	17SH	DCP 34 600N 137 589W	S INDP01WT
802	1	476		HCNI	TSO		18	DCP 35 12N 139 0W	S INDP01WT
1803	1	476		HCNI	TSO	G K	19	DCP 34 587N 140 5W	S INDP01WT
3	2	476		HCNI	TSO		20	DCP 35 5N 141 1W	S INDP01WT
635	2	476		HCNI	TSONI	G K	21	DCP 34 589N 142 1W	S INDP01WT
1242	2	476		HCNI	TSO		22	DCP 34 594N 143 8W	S INDP01WT
1857	2	476		HCNI	TSONI	G K	23	DCP 35 4N 144 8W	S INDP01WT
112	3	476		HCNI	TSO		24	DCP 34 592N 144 599W	S INDP01WT
727	3	476		HCNI	TSONI	G K	25	DCP 34 596N 146 5W	S INDP01WT
1318	3	476		HCNI	TSO		26	DCP 34 588N 147 7W	S INDP01WT
1935	3	476		HCNI	TSONI	G K	27	DCP 34 588N 148 1W	S INDP01WT
131	4	476		HCNI	TSO		28	DCP 35 1N 148 599W	S INDP01WT
725	4	476		HCNI	TSONI	G K	29	DCP 34 596N 149 595W	S INDP01WT
1401	4	476		HCNI	TSO		30	DCP 34 598N 151 4W	S INDP01WT
2040	4	476		HCNI	TSONI	G K	31	DCP 35 4N 152 18W	S INDP01WT
308	5	476		HCNI	TSO		32	DCP 34 595N 153 21W	S INDP01WT
910	5	476		HCNI	TSONI	G K	33	DCP 34 599N 153 599W	S INDP01WT
1547	5	476		HCNI	TSO		34	DCP 34 599N 155 22W	S INDP01WT
16	6	476		HCNI	TSO I	G K	35	DCP 34 597N 156 5W	S INDP01WT
711	6	476		HCNI	TSO		36	DCP 34 586N 157 2W	S INDP01WT
1359	6	476		HCNI	TSONI	G K	37	DCP 34 595N 158 41W	S INDP01WT
2006	6	476		HCNI	TSO		38	DCP 35 0N 159 4W	S INDP01WT
440	7	476		HCNI	TSONI	K	39	DCP 35 6N 160 7W	S INDP01WT
1116	7	476		HCNI	TSO		40	DCP 35 2N 161 23W	S INDP01WT
1708	7	476		HCNI	TSONI	G K	41	DCP 35 14N 161 599W	S INDP01WT

TIME GMT	DATE D.M.Y.	TIME LOC	TZ LOC	SAMP CODE	SAMPLE IDENT.	DISP CODE	LAT.	LONG.	CRUISE LEG-SHIP
2319	7	476		HCNI	TSO	42	DCP 34 588N	162 598W	S INDP01WT
528	8	476		HCNI	TSO	43SH	DCP 34 599N	163 594W	S INDP01WT
936	8	476		HCNI	TSONI	43DP	DCP 35 12N	163 592W	S INDP01WT
1730	8	476		HCNI	TSO	44	DCP 34 596N	165 3W	S INDP01WT
31	9	476		HCNI	TSONI	45DP	DCP 34 580N	166 0W	S INDP01WT
433	9	476		HCNI	TSONI	45SH	DCP 34 560N	166 1W	S INDP01WT
1023	9	476		HCNI	TSO	46	DCP 35 16N	166 580W	S INDP01WT
1725	9	476		HCNI	TSO	47DP	DCP 35 21N	168 1W	S INDP01WT
2057	9	476		HCNI	TSO	47SH	DCP 35 22N	168 9W	S INDP01WT
251	10	476		HCNI	TSO	48	DCP 34 597N	168 596W	S INDP01WT
1019	10	476		HCNI	TSONI	49DP	DCP 35 3N	169 595W	S INDP01WT
1334	10	476		HCNI	TSONI	49SH	DCP 35 13N	170 4W	S INDP01WT
1941	10	476		HCNI	TSO	50	DCP 34 594N	171 9W	S INDP01WT
251	11	476		HCNI	TSO	51DP	DCP 34 565N	172 18W	S INDP01WT
712	11	476		HCNI	TSONI	51SH	DCP 34 566N	172 22W	S INDP01WT
1338	11	476		HCNI	TSO	52	DCP 35 16N	172 599W	S INDP01WT
2110	11	476		HCNI	TSONI	53DP	DCP 35 2N	174 4W	S INDP01WT
33	12	476		HCNI	TSONI	53SH	DCP 35 11N	174 33W	S INDP01WT
646	12	476		HCNI	TSO	54	DCP 34 593N	175 8W	S INDP01WT
1325	12	476		HCNI	TSONI	55DP	DCP 34 585N	176 13W	S INDP01WT
1521	12	476		HCNI	TSONI	55SH	DCP 34 583N	175 594W	S INDP01WT
2148	12	476		HCNI	TSO	56	DCP 35 4N	176 581W	S INDP01WT
436	13	476		HCNI	TSONI	57DP	DCP 35 6N	178 11W	S INDP01WT
736	13	476		HCNI	TSONI	57SH	DCP 35 18N	178 13W	S INDP01WT
1351	13	476		HCNI	TSO	58	DCP 34 596N	179 6W	S INDP01WT
2001	13	476		HCNI	TSO	59DP	DCP 34 588N	179 595E	S INDP01WT
2224	13	476		HCNI	TSONI	59SH	DCP 34 598N	179 598E	S INDP01WT
927	14	476		HCNI	TSO	60	DCP 34 598N	179 8E	S INDP01WT
1633	14	476		HCNI	TSONI	61MI	DCP 34 585N	177 583E	S INDP01WT
1813	14	476		HCNI	TSONI	61DP	DCP 34 587N	177 581E	S INDP01WT
2112	14	476		HCNI	TSONI	61SH	DCP 34 595N	177 585E	S INDP01WT
348	15	476		HCNI	TSO	62	DCP 34 591N	176 583E	S INDP01WT
1041	15	476		HCNI	TSO	63DP	DCP 34 592N	175 581E	S INDP01WT
1423	15	476		HCNI	TSONI	63SH	DCP 34 581N	175 576E	S INDP01WT
2011	15	476		HCNI	TSO	64	DCP 35 11N	175 12E	S INDP01WT
253	16	476		HCNI	TSONI	65DP	DCP 35 1N	173 598E	S INDP01WT
611	16	476		HCNI	TSONI	65SH	DCP 34 599N	174 8E	S INDP01WT
1356	16	476		HCNI	TSO	66DP	DCP 35 6N	173 18E	S INDP01WT
1736	16	476		HCNI	TSO	66SH	DCP 35 17N	173 31E	S INDP01WT
115	17	476		HCNI	TSO	67DP	DCP 34 597N	172 13E	S INDP01WT
227	17	476		HCNI	TSONI	67SH	DCP 34 597N	172 13E	S INDP01WT
849	17	476		HCNI	TSO	68	DCP 35 0N	171 7E	S INDP01WT
1620	17	476		HCNI	TSONI	69DP	DCP 34 591N	170 17E	S INDP01WT
2014	17	476		HCNI	TSONI	69SH	DCP 34 582N	170 50E	S INDP01WT
518	18	476		HCNI	TSO	70	DCP 34 595N	168 569E	S INDP01WT
1210	18	476		HCNI	TSONI	71DP	DCP 34 595N	167 587E	S INDP01WT
1543	18	476		HCNI	TSONI	71SH	DCP 34 592N	168 12E	S INDP01WT
2158	18	476		HCNI	TSO	72	DCP 35 5N	167 9E	S INDP01WT
513	19	476		HCNI	TSONI	73DP	DCP 35 13N	166 2E	S INDP01WT
925	19	476		HCNI	TSONI	73SH	DCP 35 22N	166 22E	S INDP01WT
1548	19	476		HCNI	TSO	74	DCP 35 1N	165 4E	S INDP01WT
20	20	476		HCNI	TSONI	75DP	DCP 35 33N	164 57E	S INDP01WT
526	20	476		HCNI	TSONI	75SH	DCP 35 44N	164 104E	S INDP01WT
1310	20	476		HCNI	TSO	76	DCP 34 579N	162 584E	S INDP01WT

TIME GMT	DATE D.M.Y.	TIME LOC	TZ LOC	SAMP CODE	SAMPLE IDENT.	DISP CODE	LAT.	LONG.	CRUISE LEG-SHIP
2040	20	476		HCNI	TSONI	K	77DP	DCP 34 598N 162 34E	S INDP01WT
103	21	476		HCNI	TSONI	G K	77SH	DCP 34 587N 162 60E	S INDP01WT
812	21	476		HCNI	TSO		78	DCP 35 5N 161 1E	S INDP01WT
1601	21	476		HCNI	TSON	K	79DP	DCP 35 12N 160 18E	S INDP01WT
2253	21	476		HCNI	TSONI	G K	79SH	DCP 35 33N 160 96E	S INDP01WT
616	22	476		HCNI	TSO		80	DCP 34 576N 158 577E	S INDP01WT
1312	22	476		HCNI	TSONI	K	81DP	DCP 34 597N 157 567E	S INDP01WT
1637	22	476		HCNI	TSONI	G K	81SH	DCP 34 588N 157 555E	S INDP01WT
2207	22	476		HCNI	TSO		82	DCP 35 21N 156 573E	S INDP01WT
449	23	476		HCNI	TSON		83	DCP 35 33N 155 555E	S INDP01WT
1223	23	476		HCNI	TSO		84	DCP 34 592N 155 6E	S INDP01WT
1943	23	476		HCNI	TSONI	K	85DP	DCP 34 590N 153 583E	S INDP01WT
2341	23	476		HCNI	TSONI	G K	85SH	DCP 34 579N 153 573E	S INDP01WT
512	24	476		HCNI	TSO		86	DCP 34 579N 152 546E	S INDP01WT
1147	24	476		HCNI	TSONI	K	87DP	DCP 35 18N 151 568E	S INDP01WT
1550	24	476		HCNI	TSONI	G K	87SH	DCP 35 23N 151 524E	S INDP01WT
2050	24	476		HCNI	TSO		88	DCP 35 1N 150 585E	S INDP01WT
345	25	476		HCNI	TSONI	K	89DP	DCP 34 593N 149 587E	S INDP01WT
815	25	476		HCNI	TSONI	G K	89SH	DCP 35 5N 149 545E	S INDP01WT
1311	25	476		HCNI	TSO		90	DCP 34 584N 148 590E	S INDP01WT
2018	25	476		HCNI	TSONI	K	91DP	DCP 34 570N 147 598E	S INDP01WT
48	26	476		HCNI	TSONI	G K	91SH	DCP 34 558N 147 591E	S INDP01WT
844	26	476		HCNI	TS		92Q	DCP 35 58N 147 4E	S INDP01WT
1503	26	476		HCNI	TSO		92	DCP 35 122N 147 3E	S INDP01WT
2356	26	476		HCNI	TSONI	K	93DP	DCP 34 581N 146 7E	S INDP01WT
506	27	476		HCNI	TSONI	G K	93SH	DCP 34 582N 146 19E	S INDP01WT
1145	27	476		HCNI	TSO		94	DCP 34 536N 144 581E	S INDP01WT
1851	27	476		HCNI	TSONI	K	95DP	DCP 35 0N 143 597E	S INDP01WT
2304	27	476		HCNI	TSONI	G K	95SH	DCP 34 572N 144 10E	S INDP01WT
515	28	476		HCNI	TSO		96	DCP 35 18N 142 573E	S INDP01WT
1243	28	476		HCNI	TSONI	K	97DP	DCP 35 29N 142 13E	S INDP01WT
1736	28	476		HCNI	TSONI	G K	97SH	DCP 35 31N 142 14E	S INDP01WT
2009	28	476		HCNI	TS		97Q	DCP 35 31N 142 8E	S INDP01WT
0927	29	476		HCNI	TSO		98	DCP 35 372N 141 233E	F INDP01WT

SALINITY, TEMPERATURE, DEPTH

1949	25	376		TDDT	1 DP 001 3006M	S11	DCP 35 23N 121 573W	S INDP01WT
127	26	376		TDDT	1 SH 003 1000M	S19	DCP 35 36N 121 560W	S INDP01WT
943	26	376		TDDT	2 005 1209M	S20	DCP 34 578N 123 42W	S INDP01WT
1932	26	376		TDDT	3 DP 007 3422M	S20	DCP 35 6N 124 15W	S INDP01WT
142	27	376		TDDT	3 SH 008 1005M	S20	DCP 34 595N 123 597W	S INDP01WT
834	27	376		TDDT	4 009 1205M	S19	DCP 34 593N 125 3W	S INDP01WT
1545	27	376		TDDT	5 DP 010 3874M		DCP 34 598N 126 23W	S INDP01WT
1832	27	376		TDDT	5 SH 011 1200M		DCP 35 8N 126 5W	S INDP01WT
239	28	376		TDDT	6 012 1200M	S20	DCP 35 10N 126 591W	S INDP01WT
828	28	376		TDDT	7 DP 013 4757M	S10	DCP 34 598N 128 20W	S INDP01WT
1313	28	376		TDDT	7 SH 014 1000M	S16	DCP 34 590N 128 34W	S INDP01WT
2007	28	376		TDDT	8 015 1200M	S20	DCP 34 594N 129 21W	S INDP01WT
216	29	376		TDDT	9 DP 016 4700M	S10	DCP 35 7N 130 7W	S INDP01WT
627	29	376		TDDT	9 SH 017 1206M	S20	DCP 35 1N 130 13W	S INDP01WT
1258	29	376		TDDT	10 018 1200M	S20	DCP 35 16N 131 8W	S INDP01WT
1917	29	376		TDDT	11 DP 020		DCP 35 9N 132 21W	S INDP01WT

TIME GMT	DATE D.M.Y.	TIME LOC	TZ LOC	SAMP CODE	SAMPLE IDENT.	DISP CODE	LAT.	LONG.	CRUISE LEG-SHIP
2347	29	376		TDDT	11SH 021 1200M	DCP 35	13N 132	41W S	INDPO1WT
539	30	376		TDDT	12 022 1200M S20	DCP 34	595N 133	6W S	INDPO1WT
1150	30	376		TDDT	13 DP 024 5200M S11	DCP 34	597N 134	21W S	INDPO1WT
1516	30	376		TDDT	13 SH 025 1000M S20	DCP 34	591N 134	21W S	INDPO1WT
2130	30	376		TDDT	14 026 1200M S20	DCP 34	586N 134	592W S	INDPO1WT
423	30	376		TDDT	15DP 027 5049M	DCP 35	1N 132	454W S	INDPO1WT
750	31	376		TDDT	15SH 028 1009M S20	DCP 35	3N 136	28W S	INDPO1WT
1429	31	376		TDDT	16 29 1200M S20	DCP 34	591N 137	0W S	INDPO1WT
2052	31	376		TDDT	17DP 30 5200M	DCP 35	9N 137	593W S	INDPO1WT
58	1	476		TDDT	17SH 31 1214M	DCP 35	2N 137	589W S	INDPO1WT
720	1	476		TDDT	18 32 1215M S20	DCP 35	8N 138	593W S	INDPO1WT
1708	1	476		TDDT	19 33 1210M S20	DCP 34	588N 140	7W S	INDPO1WT
2323	1	476		TDDT	20 35 1200M	DCP 35	6N 141	4W S	INDPO1WT
543	2	476		TDDT	21 36 1200M S20	DCP 34	591N 142	5W S	INDPO1WT
1154	2	476		TDDT	22 37 1200M S20	DCP 34	595N 143	10W S	INDPO1WT
1818	2	476		TDDT	23 38 1200M	DCP 35	4N 144	6W S	INDPO1WT
29	3	476		TDDT	24 39 1205M S20	DCP 34	594N 145	3W S	INDPO1WT
625	3	476		TDDT	25 40 1205M S22	DCP 34	597N 145	599W S	INDPO1WT
1241	3	476		TDDT	26 42 1200M	DCP 34	590N 147	8W S	INDPO1WT
1851	3	476		TDDT	27 43 1200M S20	DCP 34	589N 147	600W S	INDPO1WT
46	4	476		TDDT	28 44 1200M S20	DCP 35	4N 148	597W S	INDPO1WT
645	4	476		TDDT	29 45 1200M	DCP 34	599N 149	592W S	INDPO1WT
1316	4	476		TDDT	30 46 1200M S20	DCP 34	598N 150	598W S	INDPO1WT
1950	4	476		TDDT	31 47 1200M S20	DCP 35	6N 152	14W S	INDPO1WT
233	5	476		TDDT	32 49 1207M	DCP 34	597N 153	18W S	INDPO1WT
815	5	476		TDDT	33 50 1200M S20	DCP 35	2N 153	600W S	INDPO1WT
1502	5	476		TDDT	34 51 1200M S20	DCP 35	2N 155	26W S	INDPO1WT
2322	5	476		TDDT	35 52 1200M S20	DCP 34	600N 156	13W S	INDPO1WT
626	6	476		TDDT	36 53 1200M S20	DCP 34	588N 156	589W S	INDPO1WT
1308	6	476		TDDT	37 55 1200M S20	DCP 34	597N 158	42W S	INDPO1WT
1924	6	476		TDDT	38 57 1200M S20	DCP 35	3N 159	12W S	INDPO1WT
347	7	476		TDDT	39 58 1200M S20	DCP 35	4N 160	7W S	INDPO1WT
1025	7	476		TDDT	40 59 1205M S20	DCP 35	4N 161	20W S	INDPO1WT
1625	7	476		TDDT	41 60 1500M S20	DCP 35	10N 161	600W S	INDPO1WT
2238	7	476		TDDT	42 61 1200M S20	DCP 34	591N 162	594W S	INDPO1WT
438	8	476		TDDT	43SH 62 1505M S20	DCP 34	598N 164	1W S	INDPO1WT
735	8	476		TDDT	43DP 63 5688M S10	DCP 35	2N 163	595W S	INDPO1WT
1645	8	476		TDDT	44 65 1200M S20	DCP 34	599N 165	0W S	INDPO1WT
2255	8	476		TDDT	45DP 67 5726M S12	DCP 34	592N 166	5W S	INDPO1WT
350	9	476		TDDT	45SH 69 1215M S20	DCP 34	562N 165	600W S	INDPO1WT
936	9	476		TDDT	46 70 1211M S20	DCP 35	13N 166	579W S	INDPO1WT
1555	9	476		TDDT	47DP 71 5910M S12	DCP 35	16N 167	599W S	INDPO1WT
2016	9	476		TDDT	47SH 72 1210M S20	DCP 35	20N 168	6W S	INDPO1WT
216	10	476		TDDT	48 73 1206M S20	DCP 34	595N 168	599W S	INDPO1WT
810	10	476		TDDT	49DP 74 5950M S12	DCP 35	1N 169	590W S	INDPO1WT
1249	10	476		TDDT	49SH 75 1200M S20	DCP 35	11N 169	596W S	INDPO1WT
1900	10	476		TDDT	50 76 1150M S20	DCP 34	594N 171	5W S	INDPO1WT
110	11	476		TDDT	51DP 77 6084M S20	DCP 34	571N 172	16W S	INDPO1WT
623	11	476		TDDT	51SH 78 1215M S20	DCP 34	567N 172	21W S	INDPO1WT
1249	11	476		TDDT	52 79 1215M S20	DCP 35	14N 173	1W S	INDPO1WT
1938	11	476		TDDT	53DP 81 5538M S16	DCP 35	1N 174	6W S	INDPO1WT
2349	1	476		TDDT	53SH 82 1100M S20	DCP 35	5N 141	2W S	INDPO1WT
557	12	476		TDDT	54 83 1222M S20	DCP 34	594N 175	5W S	INDPO1WT
1232	12	476		TDDT	55DP 84 2315M S 9	DCP 34	586N 176	14W S	INDPO1WT

TIME GMT	DATE D.M.Y.	TIME LOC	TZ LOC	SAMP CODE	SAMPLE IDENT.	DISP CODE	LAT.	LONG.	CRUISE LEG-SHIP
1428	12	476		TDDT	55SH 86 1200M S20	DCP 34	584N 176	5W S	INDP01WT
2105	12	476		TDDT	56 87 1100M S20	DCP 35	4N 176 590W	S	INDP01WT
336	13	476		TDDT	57DP 88 3533M S15	DCP 35	3N 178 15W	S	INDP01WT
652	13	476		TDDT	57SH 89 1200M S20	DCP 35	13N 178 14W	S	INDP01WT
1311	13	476		TDDT	58 90 1215M S20	DCP 34	597N 179 12W	S	INDP01WT
1904	13	476		TDDT	59DP 91 3656M S10	DCP 34	587N 179 597E	S	INDP01WT
2146	13	476		TDDT	59SH 92 1200M S20	DCP 34	594N 179 596E	S	INDP01WT
842	14	476		TDDT	60 93 1203M S20	DCP 34	598N 179 6E	S	INDP01WT
1515	14	476		TDDT	61MI 94 3654M S 4	DCP 34	587N 177 587E	S	INDP01WT
1745	14	476		TDDT	61DP 96 3654M S11	DCP 34	587N 177 581E	S	INDP01WT
2015	14	476		TDDT	61SH 98 1200M S20	DCP 34	593N 177 582E	S	INDP01WT
312	15	476		TDDT	62 99 1211M S19	DCP 34	595N 176 581E	S	INDP01WT
905	15	476		TDDT	63DP 100 4975M S20	DCP 34	597N 175 581E	S	INDP01WT
1336	15	476		TDDT	63SH 101 1206M S20	DCP 34	582N 175 577E	S	INDP01WT
1924	15	476		TDDT	64 102 1200M S20	DCP 35	11N 175 4E	S	INDP01WT
143	16	476		TDDT	65DP 103 4294M S18	DCP 35	0N 173 593E	S	INDP01WT
530	16	476		TDDT	65SH 105 1200M S20	DCP 34	598N 174 13E	S	INDP01WT
1222	16	476		TDDT	66DP 106 4789M S20	DCP 35	1N 173 9E	S	INDP01WT
1647	16	476		TDDT	66SH 107 1200M S20	DCP 35	15N 173 27E	S	INDP01WT
20	17	476		TDDT	67DP 108 640M S14	DCP 34	598N 172 8E	S	INDP01WT
156	17	476		TDDT	67SH 109 250M S14	DCP 34	597N 172 13E	S	INDP01WT
810	17	476		TDDT	68 110 1210M S20	DCP 34	599N 171 3E	S	INDP01WT
1448	17	476		TDDT	69DP 111 5500M S20	DCP 34	596N 170 7E	S	INDP01WT
1934	17	476		TDDT	69SH 112 1200M S20	DCP 34	585N 170 42E	S	INDP01WT
439	18	476		TDDT	70 114 1200M S20	DCP 34	596N 168 560E	S	INDP01WT
1039	18	476		TDDT	71DP 117 5562M S20	DCP 34	597N 167 589E	S	INDP01WT
1508	18	476		TDDT	71SH 118 1200M S20	DCP 34	594N 168 10E	S	INDP01WT
2113	18	476		TDDT	72 119 1200M S20	DCP 35	4N 167 8E	S	INDP01WT
322	19	476		TDDT	73DP 120 5848M S20	DCP 35	10N 165 598E	S	INDP01WT
833	19	476		TDDT	73SH 121 1200M S20	DCP 35	17N 166 18E	S	INDP01WT
1509	19	476		TDDT	74 123 1200M S20	DCP 34	598N 164 593E	S	INDP01WT
2121	19	476		TDDT	75DP 124 5990M S20	DCP 35	20N 164 33E	S	INDP01WT
427	19	476		TDDT	75SH 126 1200M S20	DCP 35	14N 166 0E	S	INDP01WT
1210	20	476		TDDT	76 127 1200M S20	DCP 34	584N 162 578E	S	INDP01WT
1831	20	476		TDDT	77DP 128 5980M S20	DCP 35	1N 162 16E	S	INDP01WT
14	21	476		TDDT	77SH 129 1200M S20	DCP 34	589N 162 55E	S	INDP01WT
726	21	476		TDDT	78 130 1200M S20	DCP 35	4N 160 592E	S	INDP01WT
1408	21	476		TDDT	79DP 131 4535M S19	DCP 35	13N 160 4E	S	INDP01WT
1828	21	476		TDDT	79SH 132 1200M S20	DCP 35	22N 160 35E	S	INDP01WT
533	22	476		TDDT	80 134 1200M	DCP 34	577N 158 585E	S	INDP01WT
1120	22	476		TDDT	81DP 135 4425M S20	DCP 35	1N 157 571E	S	INDP01WT
1554	22	476		TDDT	81SH 136 1200M S20	DCP 34	590N 157 555E	S	INDP01WT
2111	22	476		TDDT	82 137 1200M S20	DCP 35	15N 156 577E	S	INDP01WT
245	23	476		TDDT	83 138 5440M S20	DCP 35	23N 155 572E	S	INDP01WT
1138	23	476		TDDT	84 139 1200M S20	DCP 34	596N 155 2E	S	INDP01WT
1756	23	476		TDDT	85DP 140 5760M S20	DCP 34	596N 153 585E	S	INDP01WT
2246	23	476		TDDT	85SH 141 1200M S20	DCP 34	584N 153 575E	S	INDP01WT
433	24	476		TDDT	86 143 1200M S20	DCP 34	587N 152 556E	S	INDP01WT
946	24	476		TDDT	87DP 144 5996M S20	DCP 35	8N 151 588E	S	INDP01WT
1459	24	476		TDDT	87SH 145 1200M S20	DCP 35	21N 151 543E	S	INDP01WT
2005	24	476		TDDT	88 146 1200M S20	DCP 35	1N 150 596E	S	INDP01WT
140	25	476		TDDT	89DP 147 6000M S20	DCP 34	595N 150 1E	S	INDP01WT
722	25	476		TDDT	89SH 148 1207M S20	DCP 34	598N 149 550E	S	INDP01WT
1236	25	476		TDDT	90 149 1218M S20	DCP 34	587N 148 595E	S	INDP01WT

TIME GMT	DATE D.M.Y.	TIME LOC	TZ LOC	SAMP CODE	SAMPLE IDENT.		DISP CODE	LAT.	LONG.	CRUISE LEG-SHIP	
1759	25	476		TDDT	91DP	150 6000M S20	DCP 34	582N	147 594E	S	INDP01WT
2357	25	476		TDDT	91SH	151 1200M S20	DCP 34	559N	147 592E	S	INDP01WT
608	26	476		TDDT	92Q	153 6000M S06	DCP 35	31N	146 596E	S	INDP01WT
1423	26	476		TDDT	92	154 1200M S20	DCP 35	108N	147 1E	S	INDP01WT
2128	26	476		TDDT	93DP	155 6000M S20	DCP 34	585N	145 594E	S	INDP01WT
410	27	476		TDDT	93SH	156 1200M S20	DCP 34	582N	146 16E	S	INDP01WT
1039	27	476		TDDT	94	157 880M S20	DCP 34	567N	144 586E	S	INDP01WT
1722	27	476		TDDT	95DP	159 5690M S20	DCP 35	5N	143 593E	S	INDP01WT
2222	27	476		TDDT	95SH	160 1200M S20	DCP 34	581N	144 7E	S	INDP01WT
426	28	476		TDDT	96	161 1200M S20	DCP 35	19N	142 574E	S	INDP01WT
1026	28	476		TDDT	97DP	162 6000M S20	DCP 35	18N	142 9E	S	INDP01WT
1627	28	476		TDDT	97SH	164 1110M S20	DCP 35	34N	142 22E	S	INDP01WT
1916	28	476		TDDT	97Q	165 1500M S20	DCP 35	30N	142 8E	S	INDP01WT
0835	29	476		TDDT	98	166 1200M S20	DCP 35	24N	140 597E	F	INDP01WT

SURFACE SAMPLE

1859	25	376		SSCC	I	1	MIT 35	19N	121 568W	S	INDP01WT
1600	27	376		SSCC	I	2	MIT 34	599N	126 25W	S	INDP01WT
215	29	376		SSCC	I	3	MIT 35	7N	130 7W	S	INDP01WT
1850	29	376		SSCC	I	4	MIT 35	9N	132 19W	S	INDP01WT
225	1	476		SSCC	I	5	MIT 34	599N	137 595W	S	INDP01WT
1945	2	476		SSCC	I	6	MIT 34	596N	144 13W	S	INDP01WT
2130	4	476		SSCC	I	7	MIT 35	5N	152 20W	S	INDP01WT
2035	6	476		SSCC	I	8	MIT 34	600N	159 1W	S	INDP01WT
1605	7	476		SSCC	I	9	MIT 35	10N	161 596W	S	INDP01WT
500	8	476		SSCC	I	10	MIT 34	598N	163 598W	S	INDP01WT
2235	8	476		SSCC	I	11	MIT 34	595N	166 6W	S	INDP01WT
2140	9	476		SSCC	I	12	MIT 35	24N	168 15W	S	INDP01WT
50	11	476		SSCC	I	13	MIT 34	573N	172 14W	S	INDP01WT
200	11	476		SSCC	I	14	MIT 34	567N	172 17W	S	INDP01WT
2230	11	476		SSCC	I	15	MIT 35	5N	174 17W	S	INDP01WT
1300	12	476		SSCC	I	16	MIT 34	585N	176 12W	S	INDP01WT
315	14	476		SSCC	I	17	MIT 35	36N	179 590W	S	INDP01WT
2150	14	476		SSCC	I	18	MIT 34	596N	177 587E	S	INDP01WT
315	16	476		SSCC	I	19	MIT 35	2N	173 600E	S	INDP01WT
250	17	476		SSCC	I	20	MIT 34	597N	172 16E	S	INDP01WT
1530	17	476		SSCC	I	21	MIT 34	593N	170 12E	S	INDP01WT

BATHY THERMOGRAPH CURATOR CAROL CONWAY (EXT.2087)

0	25	376		BTX	NO. SAMPLES = 05	DCP 33	522N	118 503W	S	INDP01WT
0	26	376		BTX	NO. SAMPLES = 14	DCP 35	34N	121 560W	S	INDP01WT
0	27	376		BTX	NO. SAMPLES = 16	DCP 35	1N	123 599W	S	INDP01WT
0	28	376		BTX	NO. SAMPLES = 19	DCP 34	599N	126 410W	S	INDP01WT
0	29	376		BTX	NO. SAMPLES = 13	DCP 34	596N	129 340W	S	INDP01WT
0	30	376		BTX	NO. SAMPLES = 17	DCP 35	13N	132 41W	S	INDP01WT
0	31	376		BTX	NO. SAMPLES = 17	DCP 34	585N	135 107W	S	INDP01WT
0	1	476		BTX	NO. SAMPLES = 20	DCP 35	5N	137 589W	S	INDP01WT
0	2	476		BTX	NO. SAMPLES = 24	DCP 35	5N	141 1W	S	INDP01WT
0	3	476		BTX	NO. SAMPLES = 23	DCP 34	592N	144 570W	S	INDP01WT

TIME GMT	DATE D.M.Y.	TIME LUC	TZ LOC	SAMP CODE	SAMPLE IDENT.	DISP CODE	LAT.	LONG.	CRUISE LEG-SHIP
0	4	476		BTX	NO. SAMPLES = 22	DCP 34	598N	148 519W	S INDP01WT
0	5	476		BTX	NO. SAMPLES = 18	DCP 35	18N	152 306W	S INDP01WT
0	6	476		BTX	NO. SAMPLES = 20	DCP 34	597N	156 5W	S INDP01WT
0	7	476		BTX	NO. SAMPLES = 18	DCP 34	599N	159 398W	S INDP01WT
0	8	476		BTX	NO. SAMPLES = 11	DCP 34	585N	163 2W	S INDP01WT
0	9	476		BTX	NO. SAMPLES = 13	DCP 34	584N	166 2W	S INDP01WT
0	10	476		BTX	NO. SAMPLES = 18	DCP 35	12N	168 313W	S INDP01WT
0	11	476		BTX	NO. SAMPLES = 13	DCP 34	573N	171 522W	S INDP01WT
0	12	476		BTX	NO. SAMPLES = 15	DCP 35	9N	174 29W	S INDP01WT
0	13	476		BTX	NO. SAMPLES = 16	DCP 35	5N	177 184W	S INDP01WT
0	14	476		BTX	NO. SAMPLES = 15	DCP 35	7N	179 594W	S INDP01WT
0	15	476		BTX	NO. SAMPLES = 17	DCP 34	599N	177 359E	S INDP01WT
0	16	476		BTX	NO. SAMPLES = 15	DCP 35	3N	174 184E	S INDP01WT
0	17	476		BTX	NO. SAMPLES = 24	DCP 34	600N	172 17E	S INDP01WT
0	18	476		BTX	NO. SAMPLES = 17	DCP 34	573N	169 374E	S INDP01WT
0	18	476		BTX	NO. SAMPLES = 18	DCP 34	573N	169 374E	S INDP01WT
0	19	476		BTX	NO. SAMPLES = 15	DCP 35	4N	166 425E	S INDP01WT
0	20	476		BTX	NO. SAMPLES = 12	DCP 35	32N	164 56E	S INDP01WT
0	21	476		BTX	NO. SAMPLES = 12	DCP 34	590N	162 53E	S INDP01WT
0	22	476		BTX	NO. SAMPLES = 19	DCP 35	33N	160 71E	S INDP01WT
0	23	476		BTX	NO. SAMPLES = 13	DCP 35	30N	156 380E	S INDP01WT
0	24	476		BTX	NO. SAMPLES = 14	DCP 34	576N	153 574E	S INDP01WT
0	25	476		BTX	NO. SAMPLES = 11	DCP 34	571N	150 190E	S INDP01WT
0	26	476		BTX	NO. SAMPLES = 11	DCP 34	559N	147 592E	S INDP01WT
0	27	476		BTX	NO. SAMPLES = 14	DCP 34	581N	146 7E	S INDP01WT
0	28	476		BTX	NO. SAMPLES = 12	DCP 34	562N	143 595E	S INDP01WT
0	29	476		BTX	NO. SAMPLES = 12	DCP 35	32N	142 14E	S INDP01WT