

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

(Issued July 25, 1978)

CENTER EXPEDITION

LEG 1

San Diego, California (6 May 1978)
to
San Diego, California (8 June 1978)
R/V Washington

Chief Scientist - L. Dorman (SIO)

Resident Marine Tech - R. Wilson

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

Data Collection Funded by NSF
Grant Number OCE76-22679
Data Processing Funded by SIA, NSF, ONR

NOTE: This is an index of underway geophysical data edited and processed shortly 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 Geological Data Center, Scripps Institution of Oceanography, La Jolla, California 92093.

GDC Cruise I.D.# - ~~169~~

174

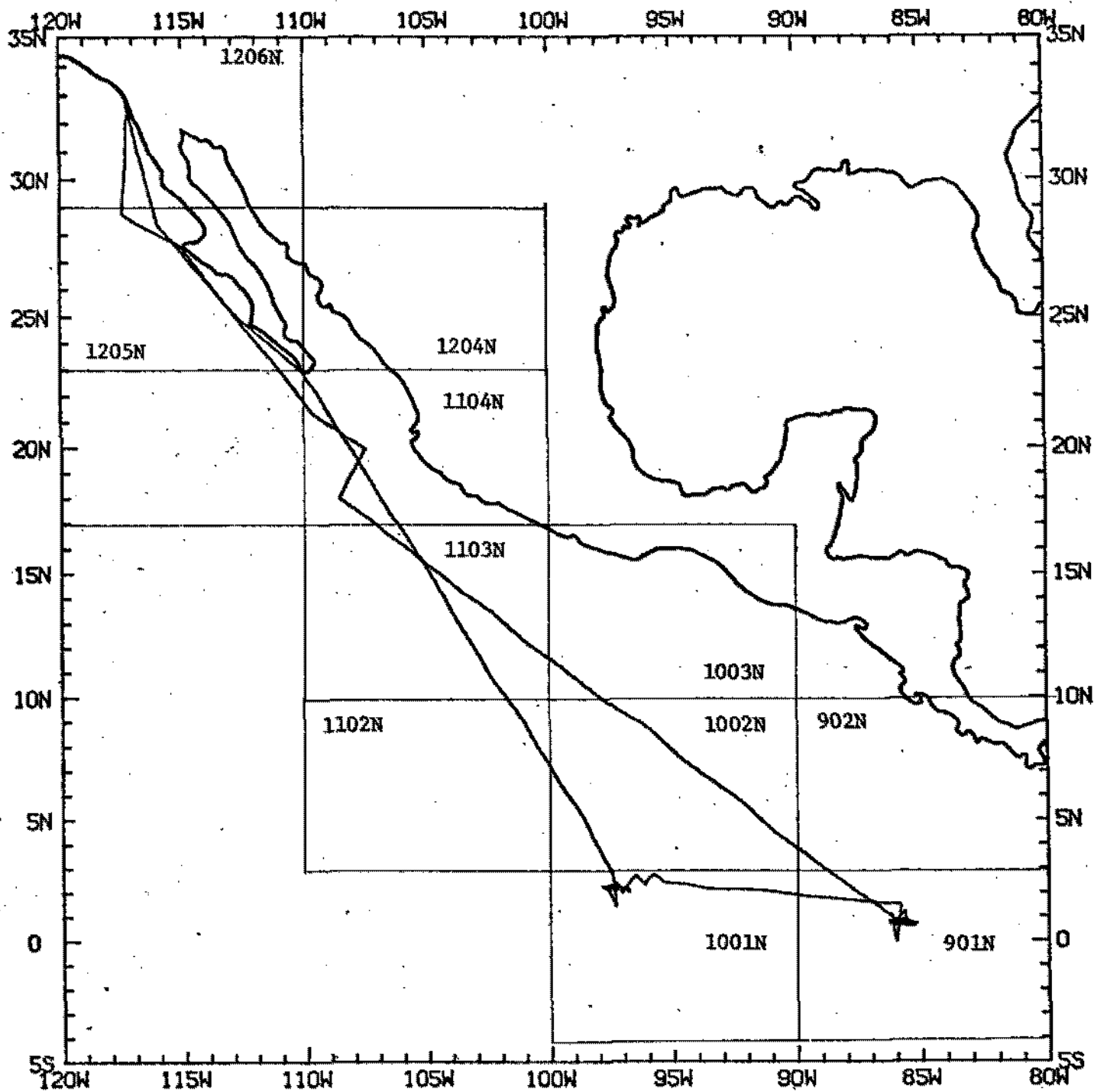
Informal Report and Index of Navigation, Depth, Magnetic and Subbottom Profiler Data

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 is .3"/deg. long.
- 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 gamm/inch; anomaly scale north of 15°N and south of 15°S = 1000 gamm/inch; from values retrieved at approximately 1 mile spacing and regional field removed using the 1975 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



CENTER EXPEDITION
LEG 1

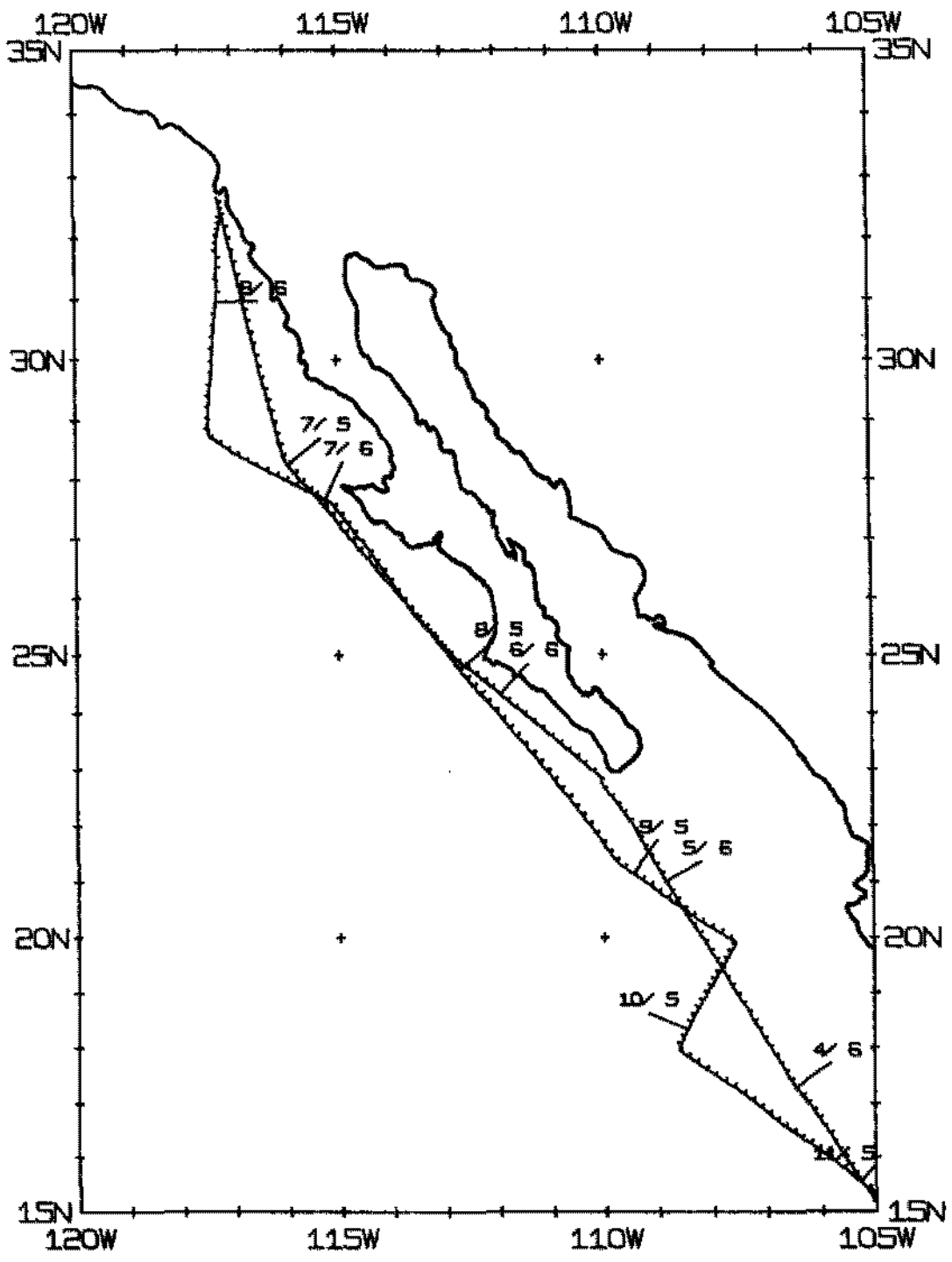
Chief Scientist - L. Dorman (SIO)
 Ports: San Diego - San Diego, California
 Dates: 6 May - 8 June 1978
 Ship: R/V Washington

TOTAL MILEAGE

- 1) Cruise - 7350 miles
- 2) Bathymetry - 7245 miles
- 3) Magnetics - 3617 miles
- 4) Seismic Reflection - 0373 miles
- 5) Gravity - collected

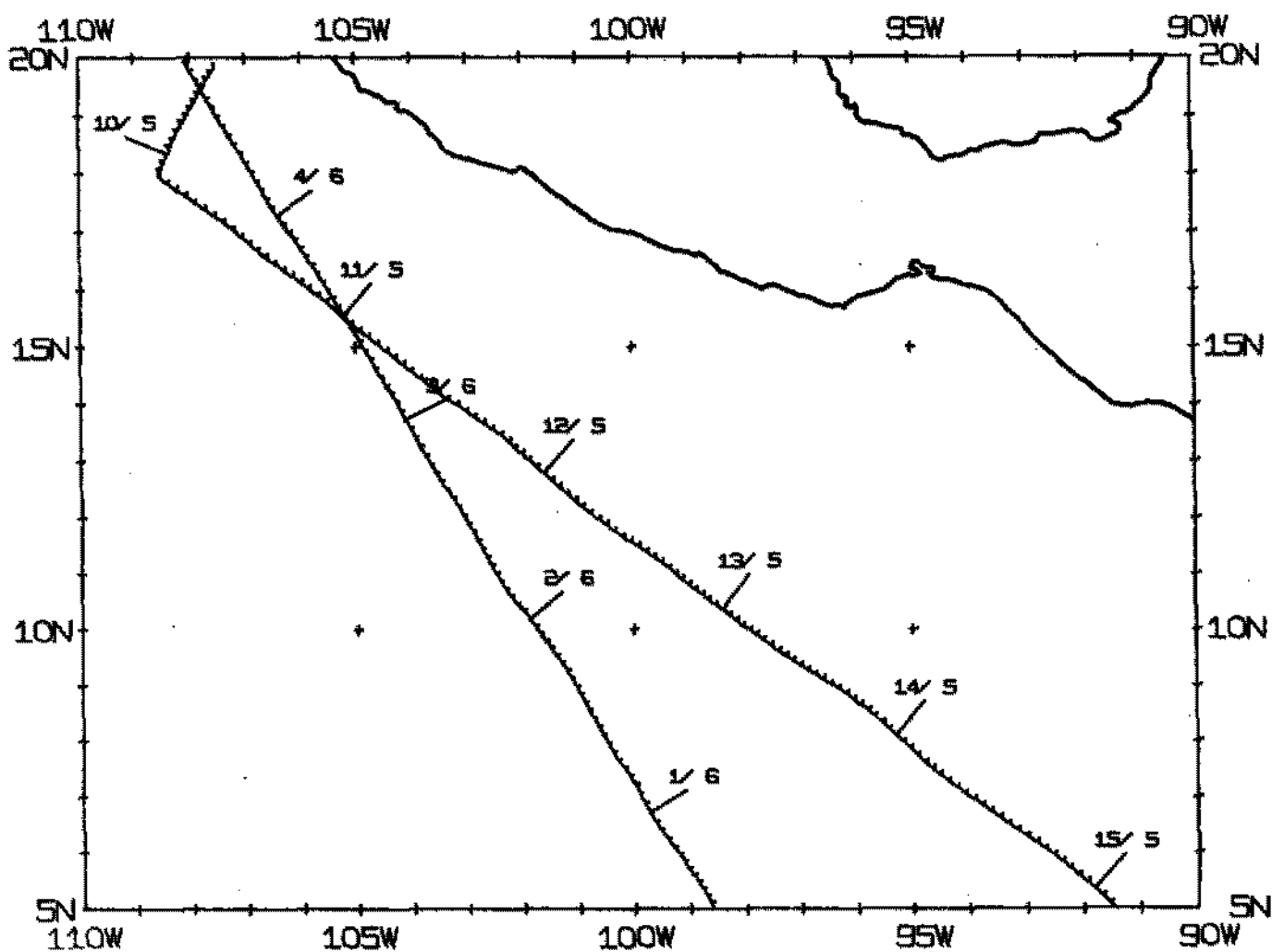
CENT-1WT TRACK PLOT (1 OF 3)

MERCATOR PROJECTION, SCALE= 0.312 IN/DEG LONGITUDE



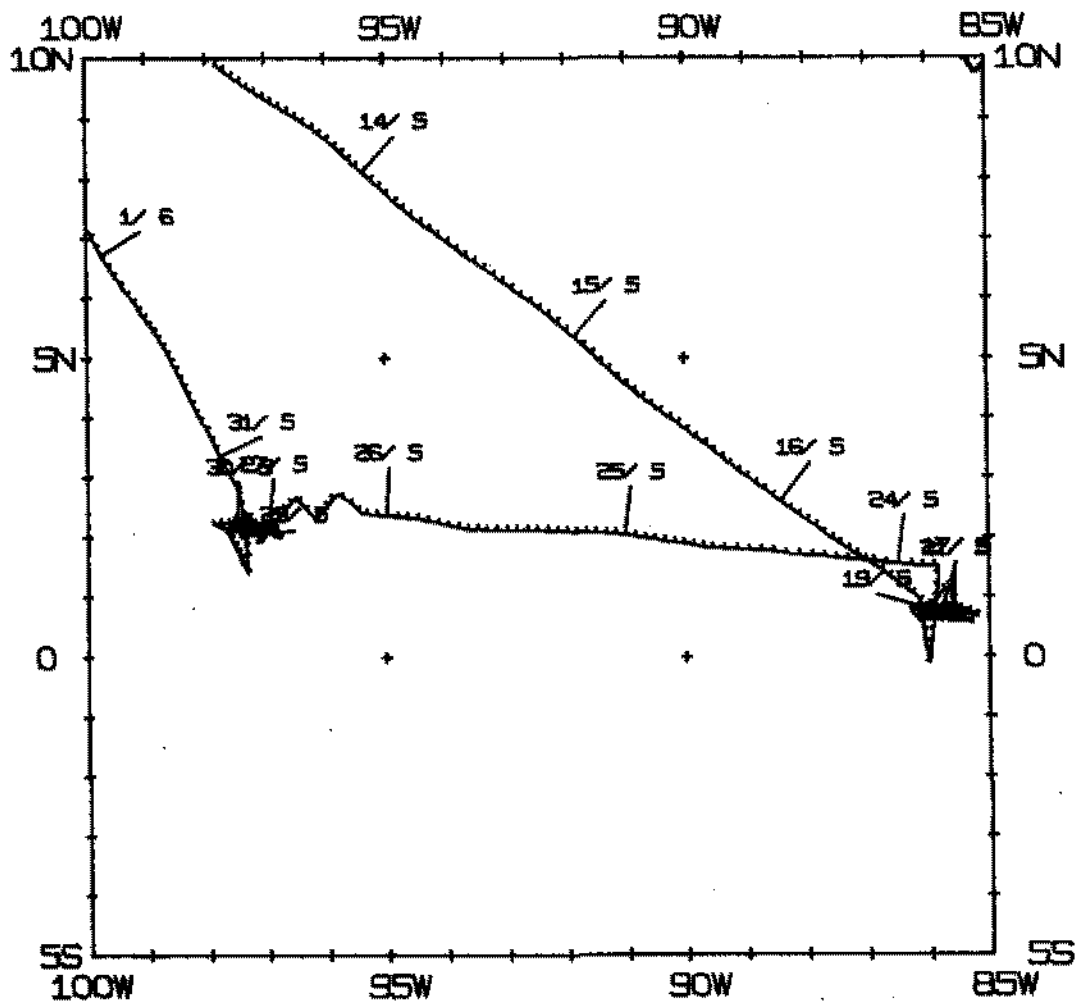
CENT-1WT TRACK PLOT (2 OF 3)

MERCATOR PROJECTION, SCALE= 0.312 IN/DEG LONGITUDE

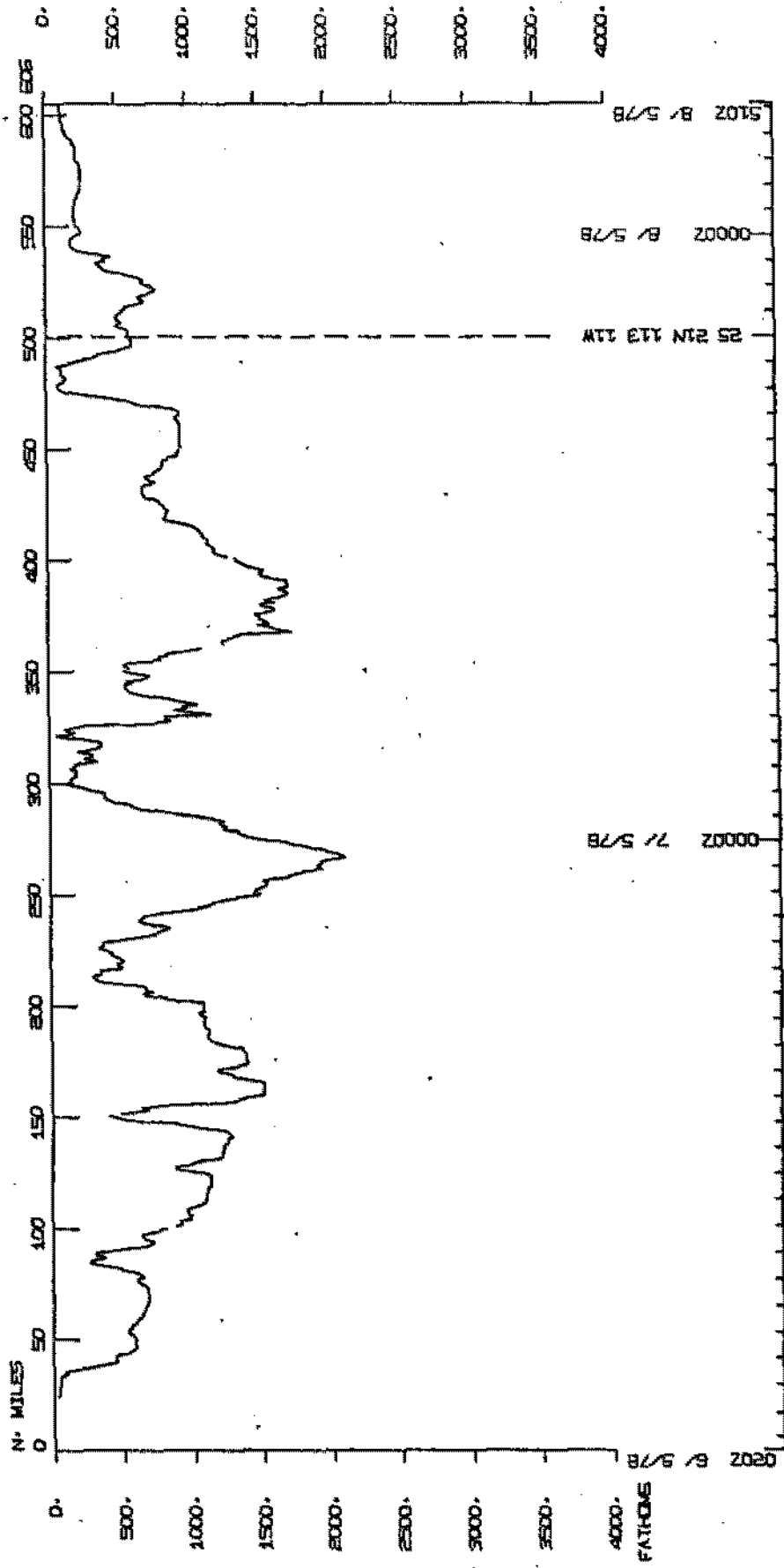
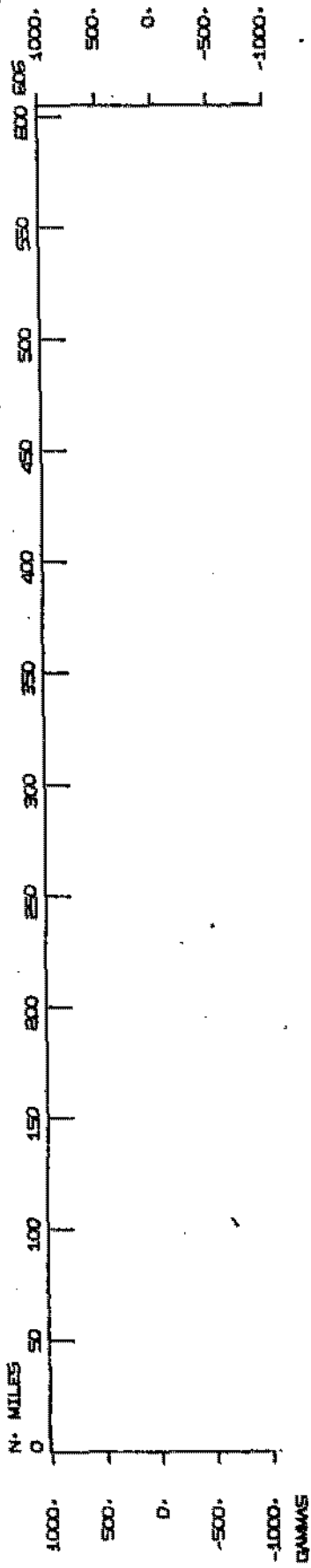


CENT-1WT TRACK PLOT (3 OF 3)

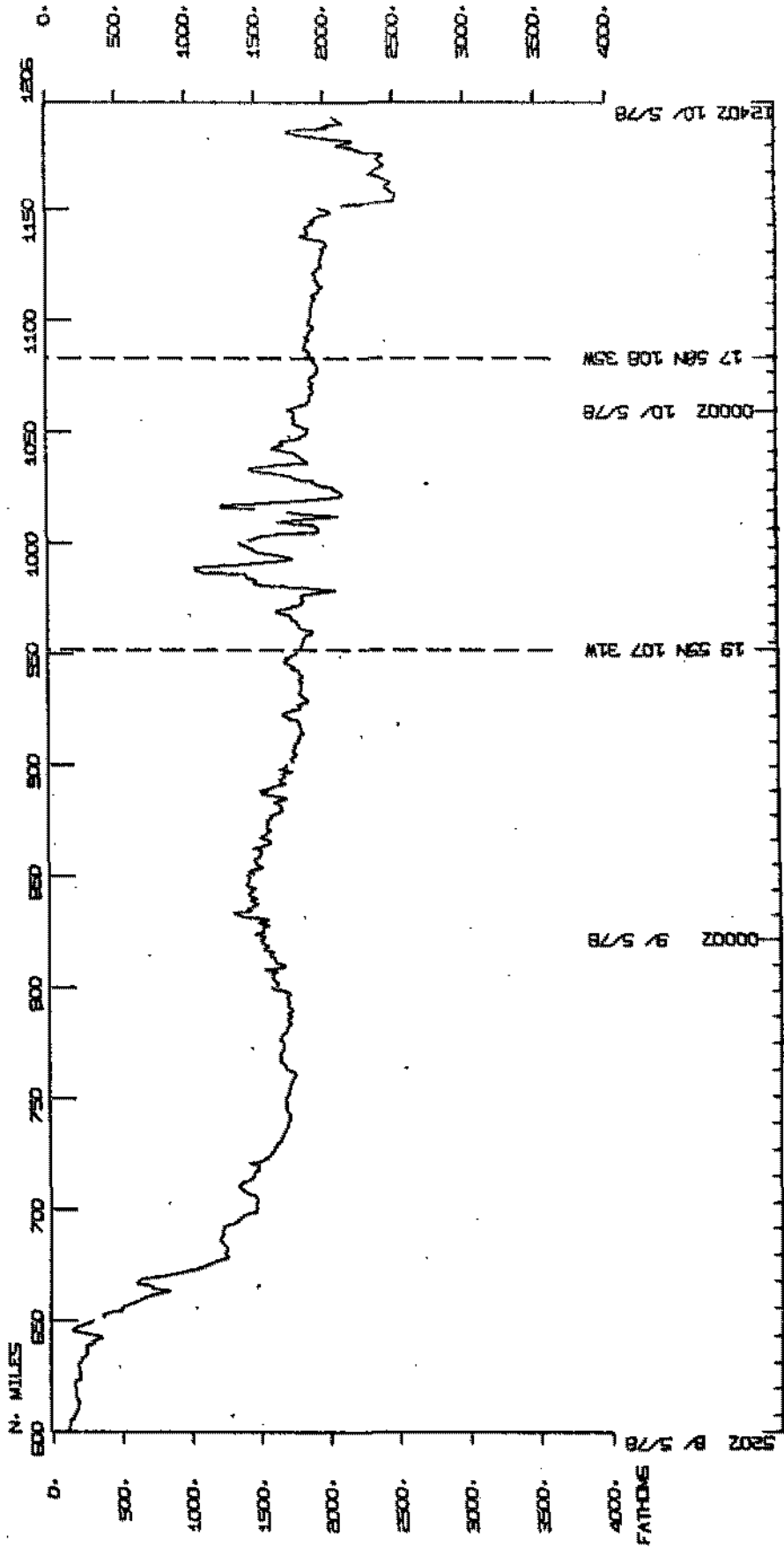
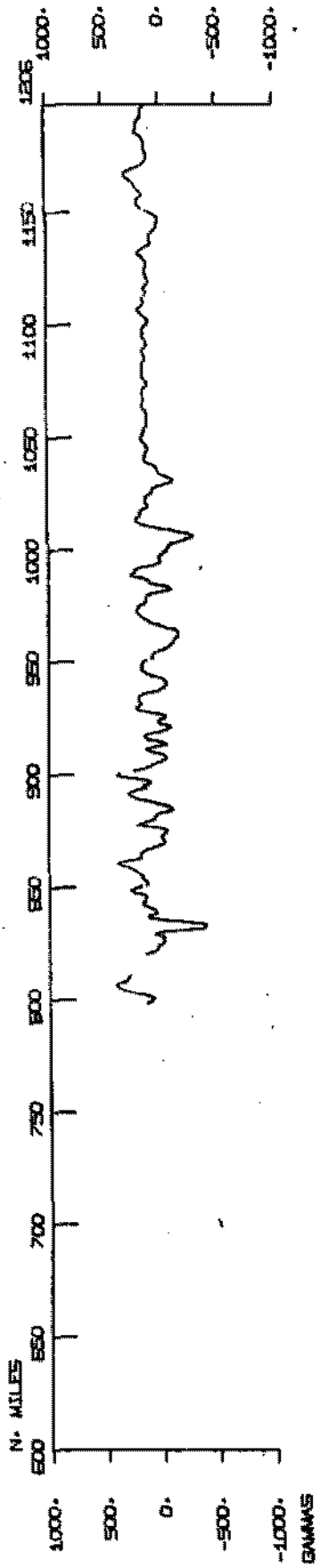
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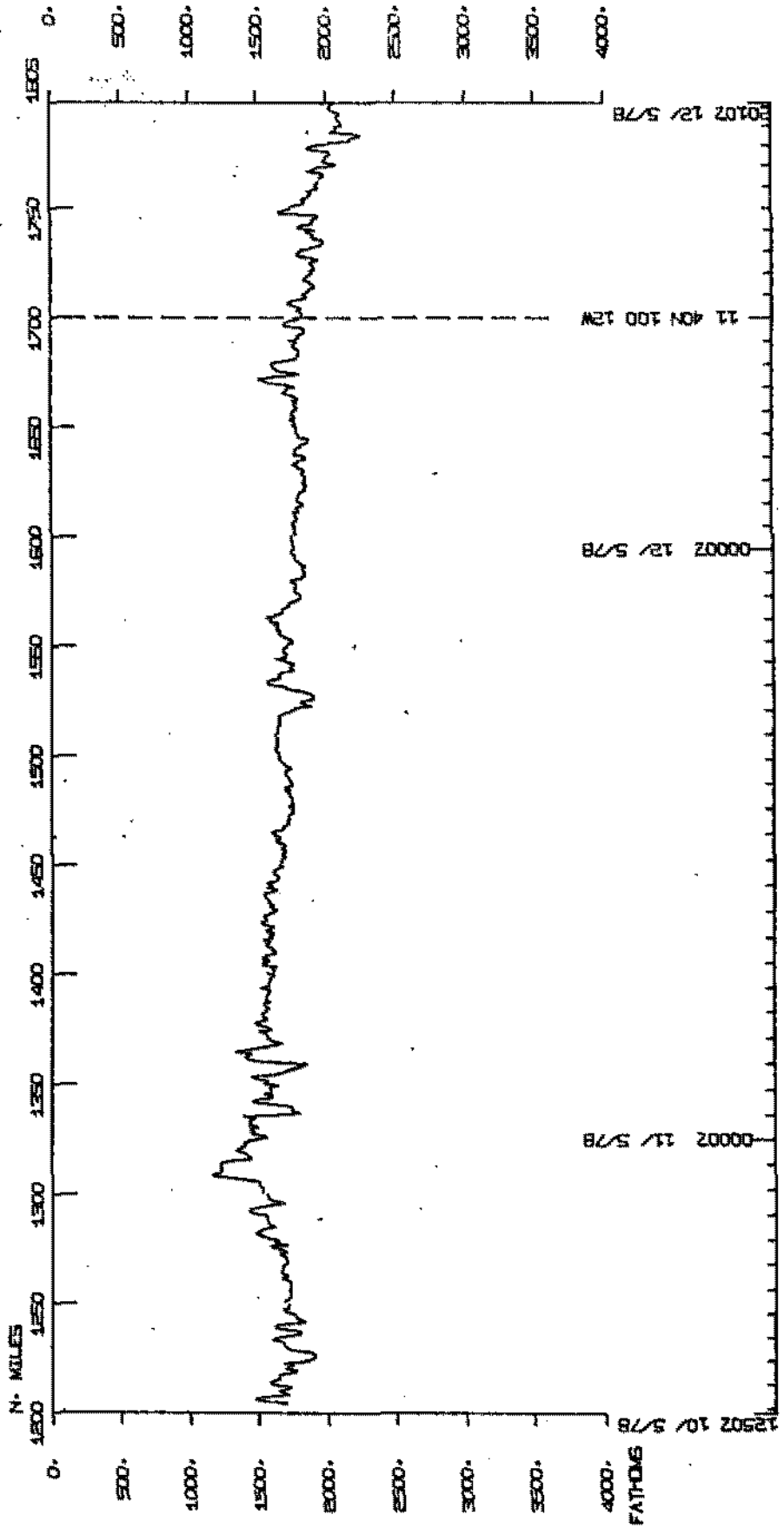
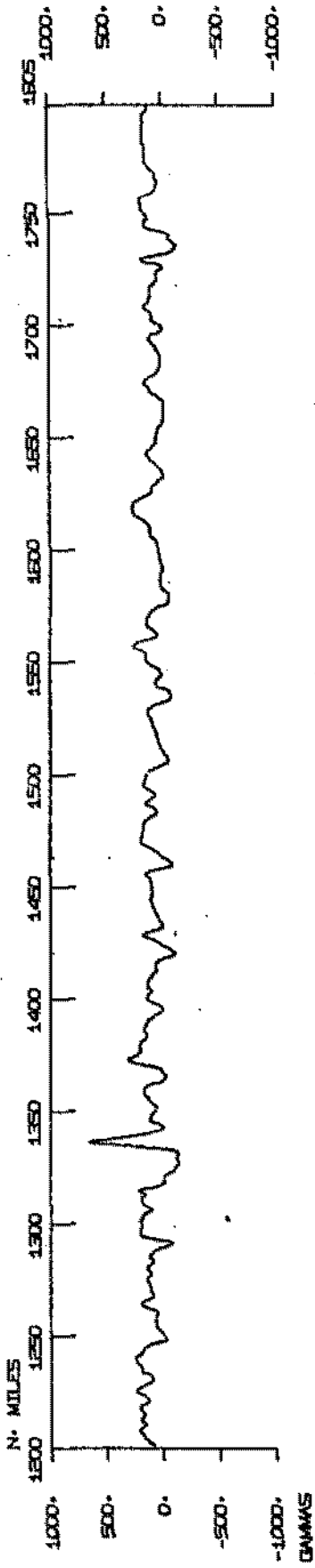
CENTER LEG 1



CENTER LEG 1



CENTER LEG 1



12502 10/5/78

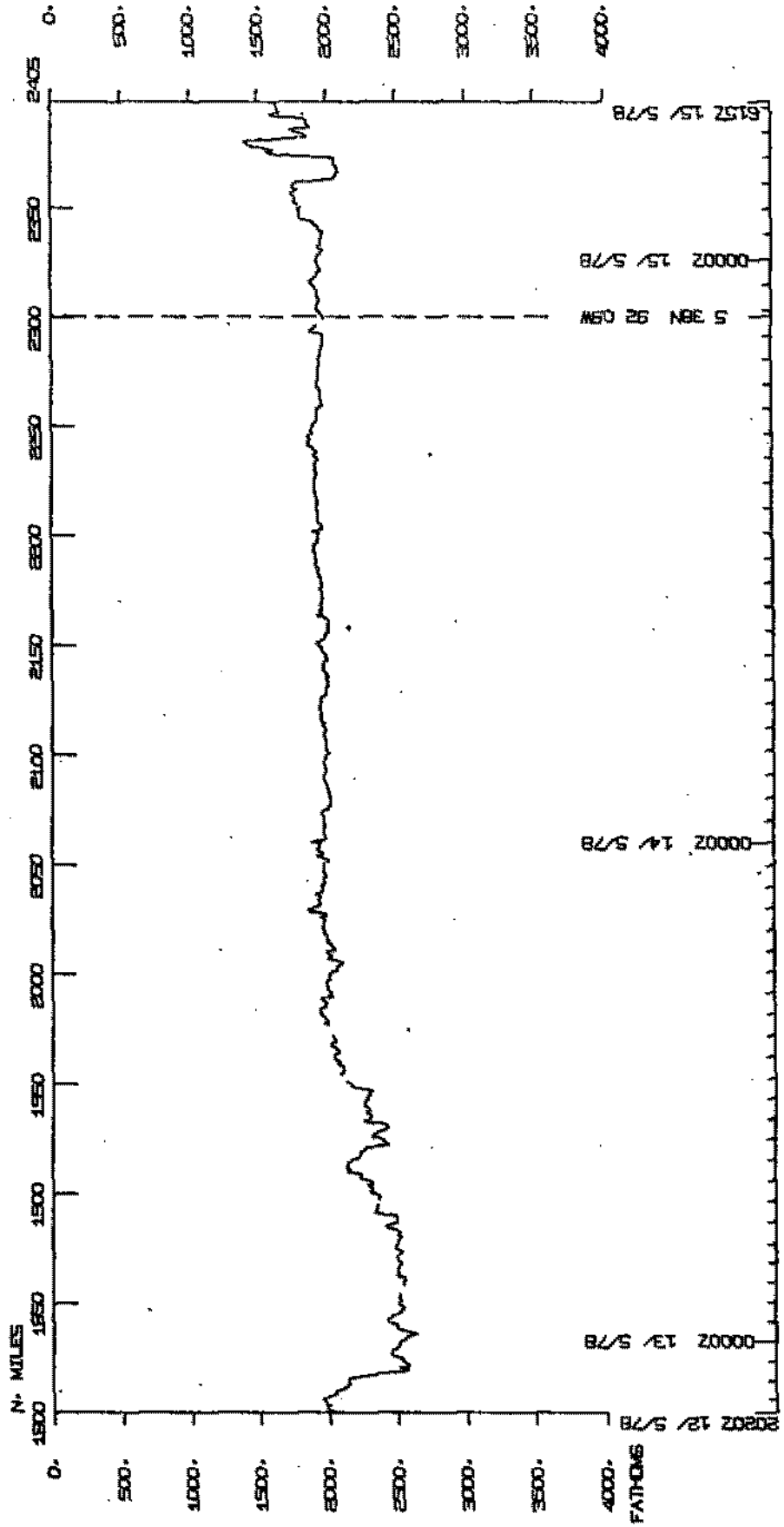
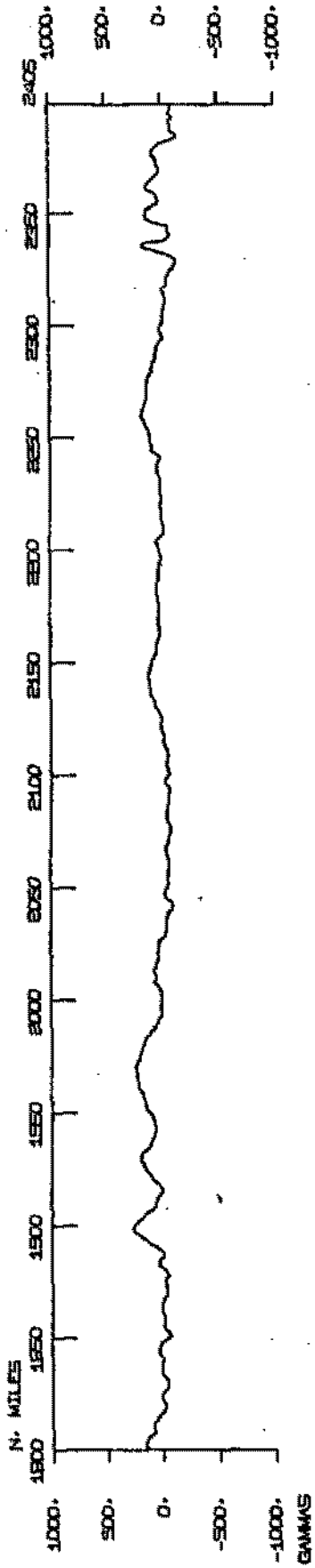
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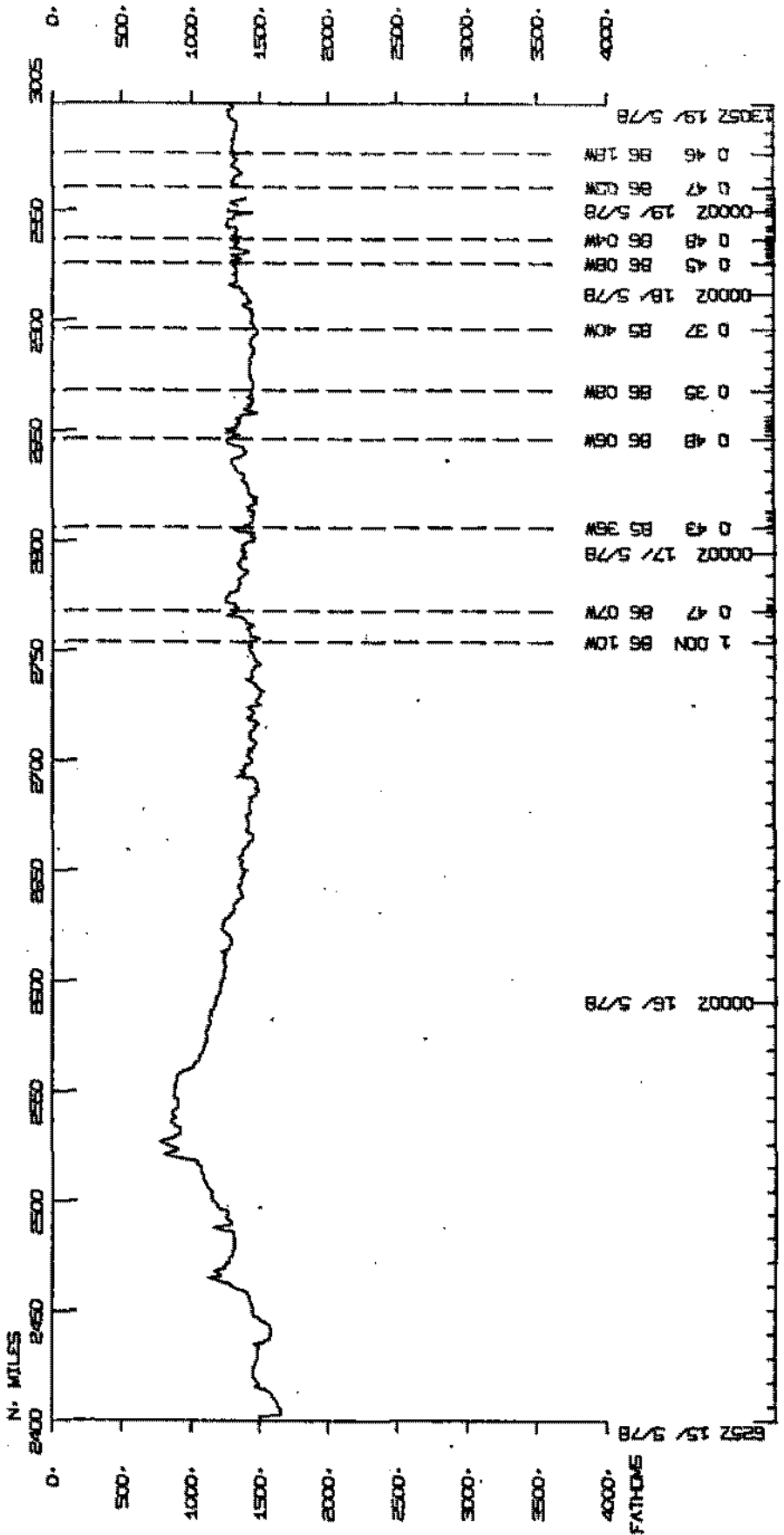
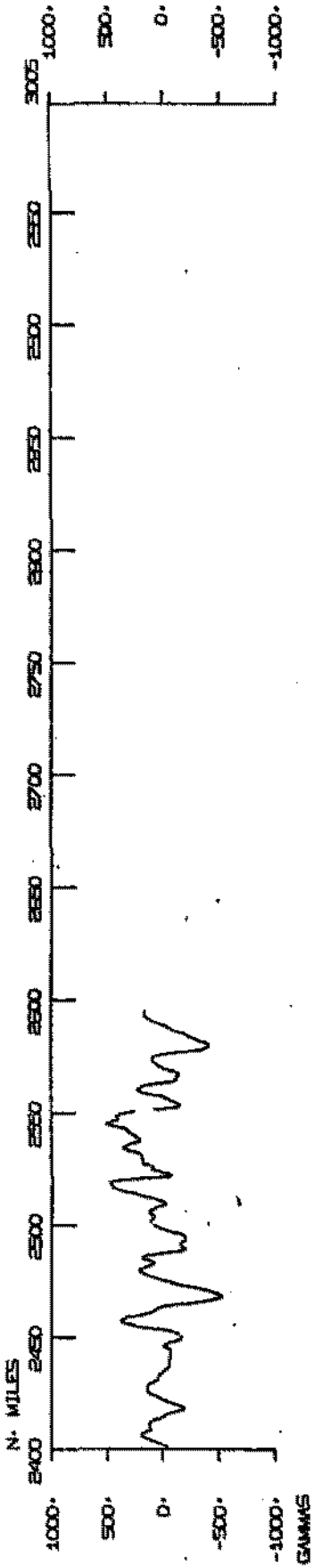
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1805

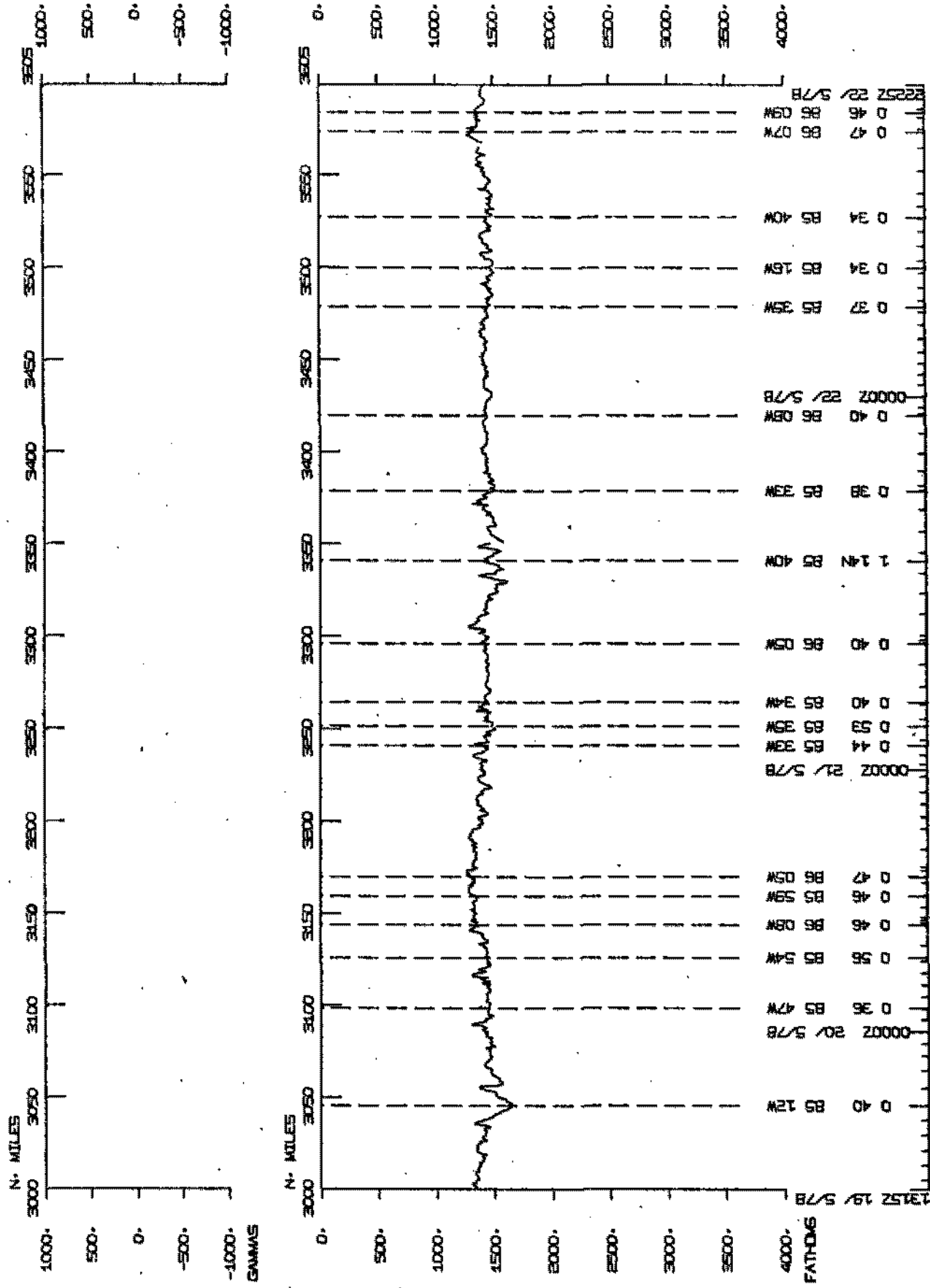
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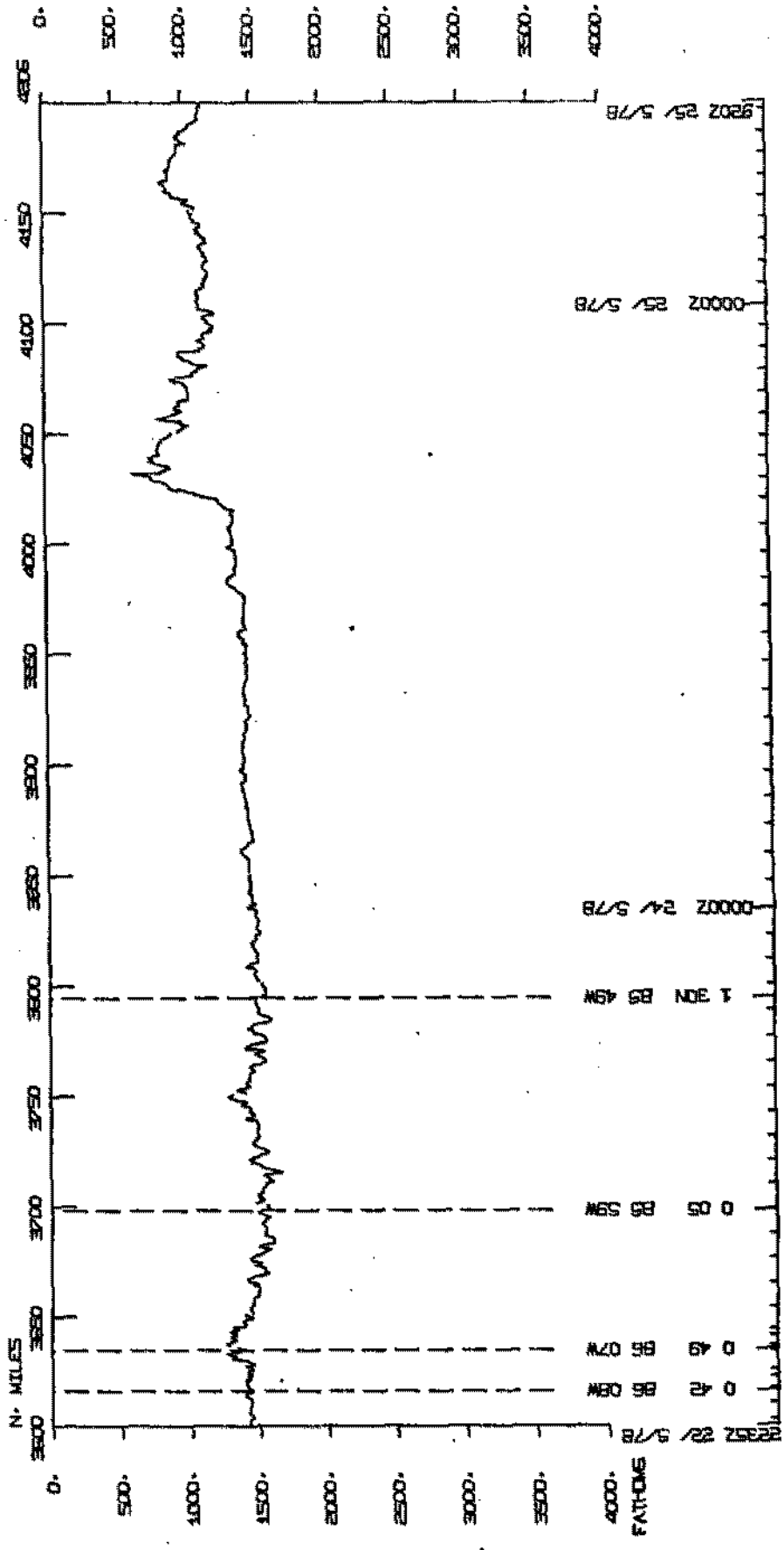
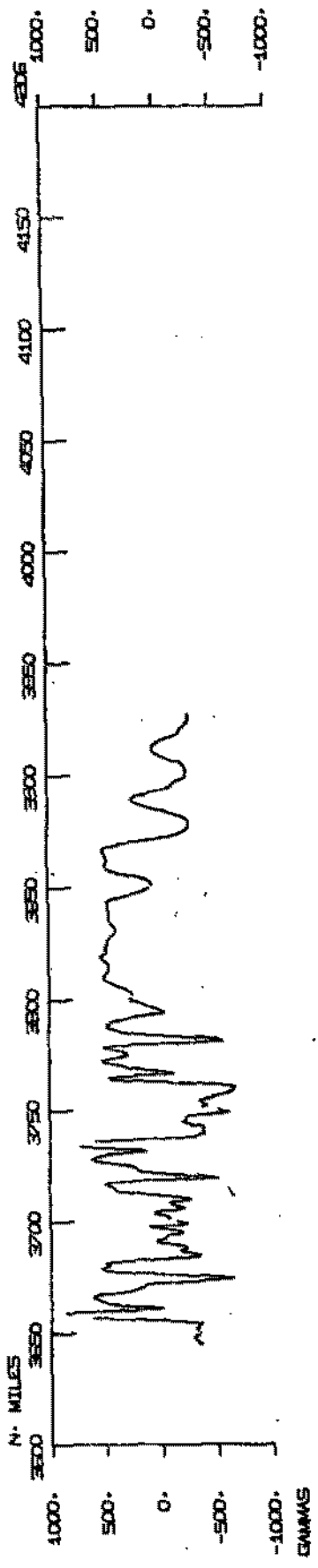
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CENTER LEG 1

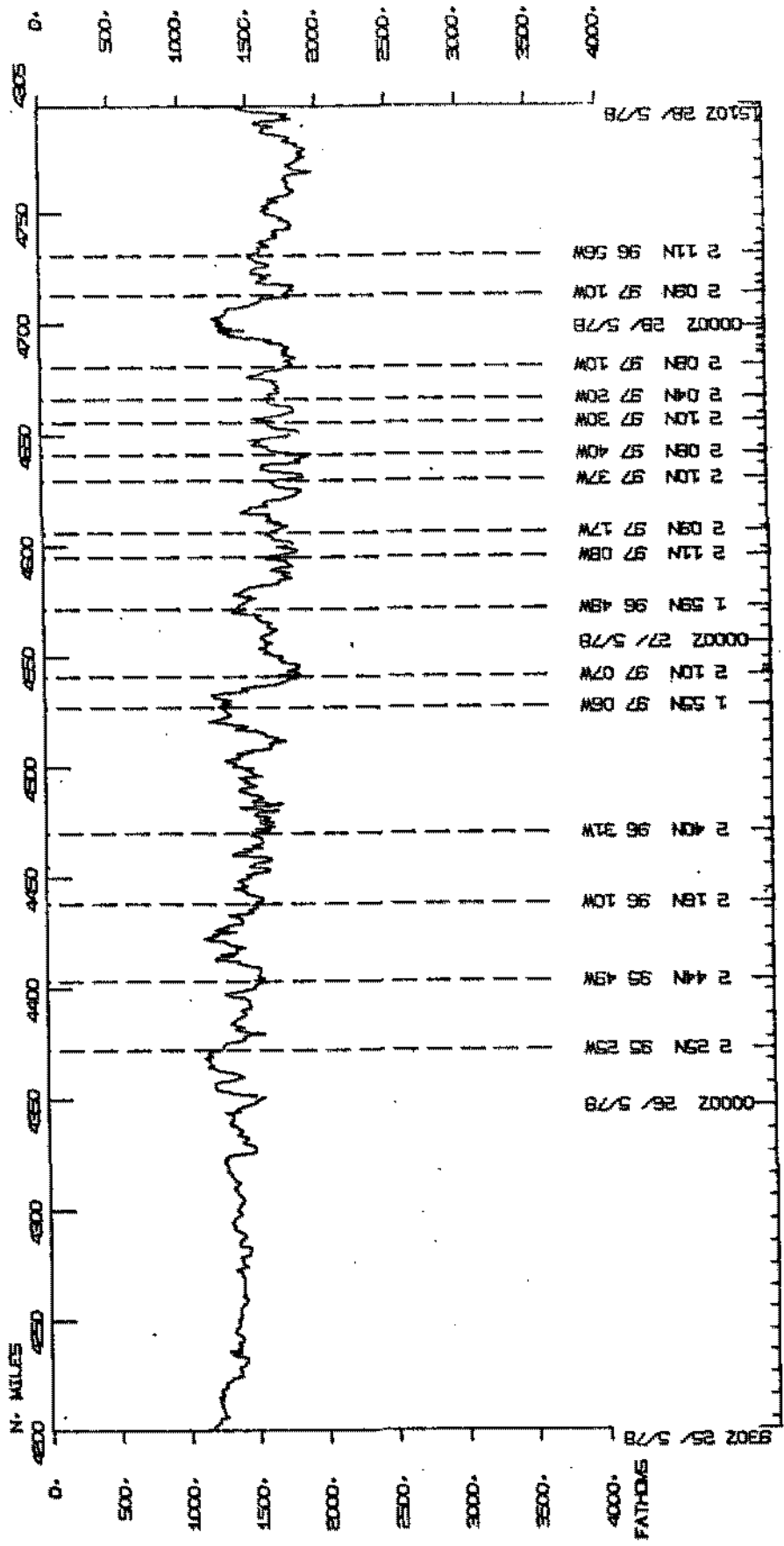
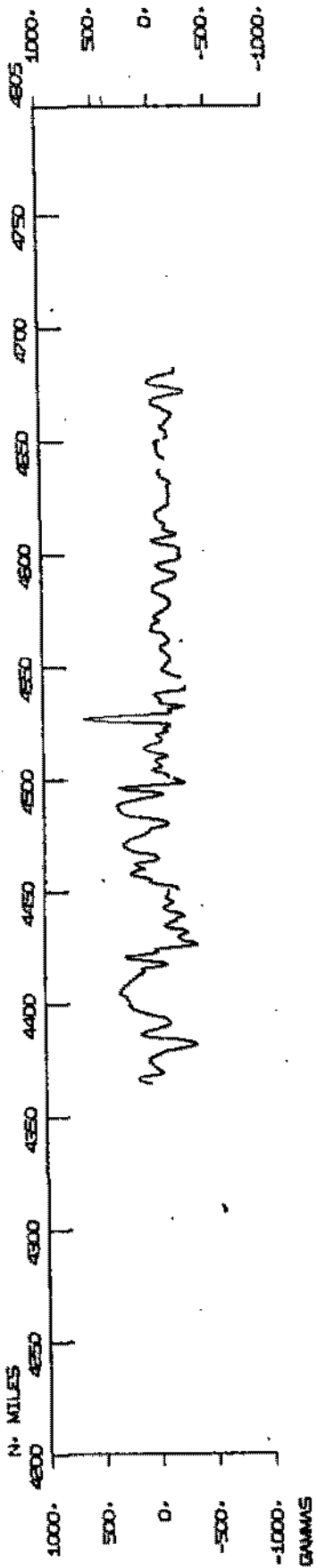


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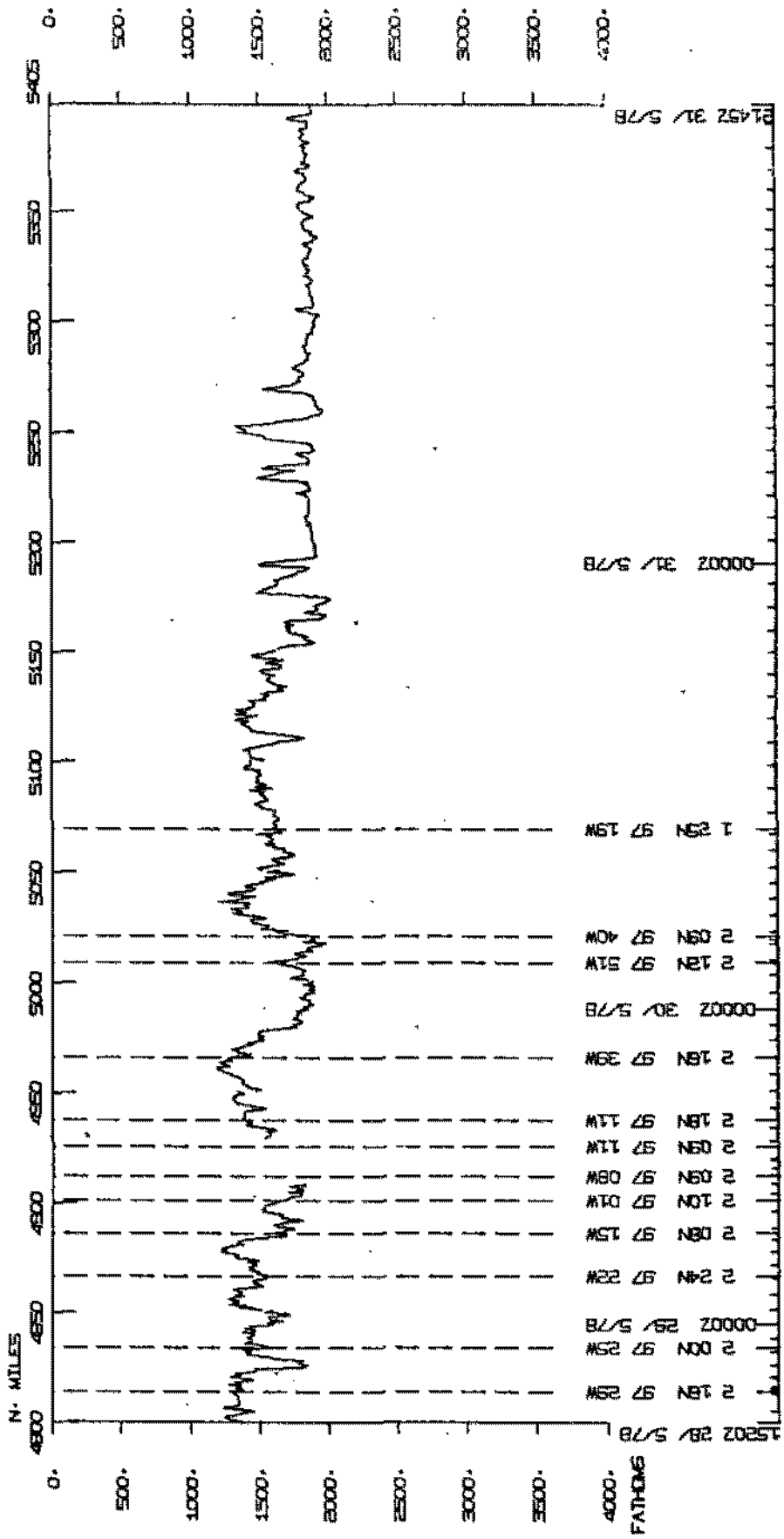
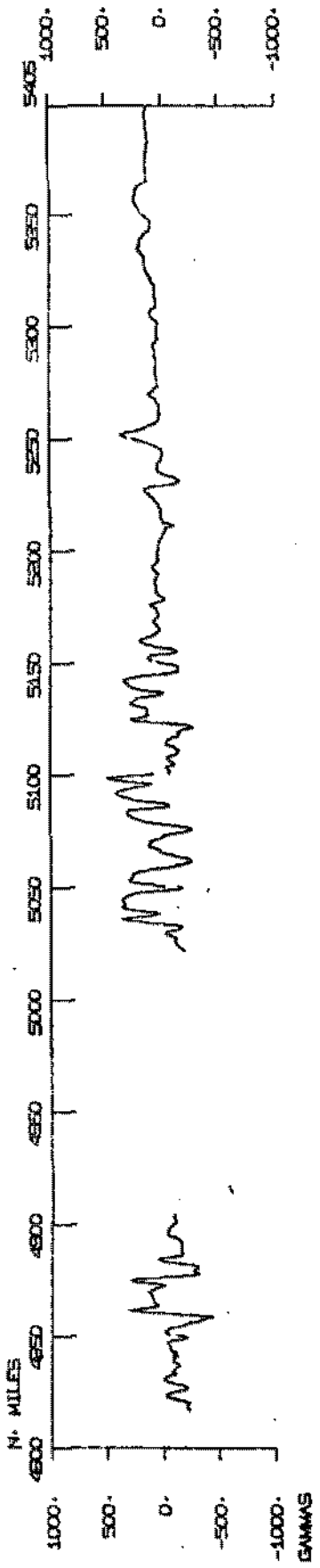


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 1 30N BR 42
 0000Z 24 5/78
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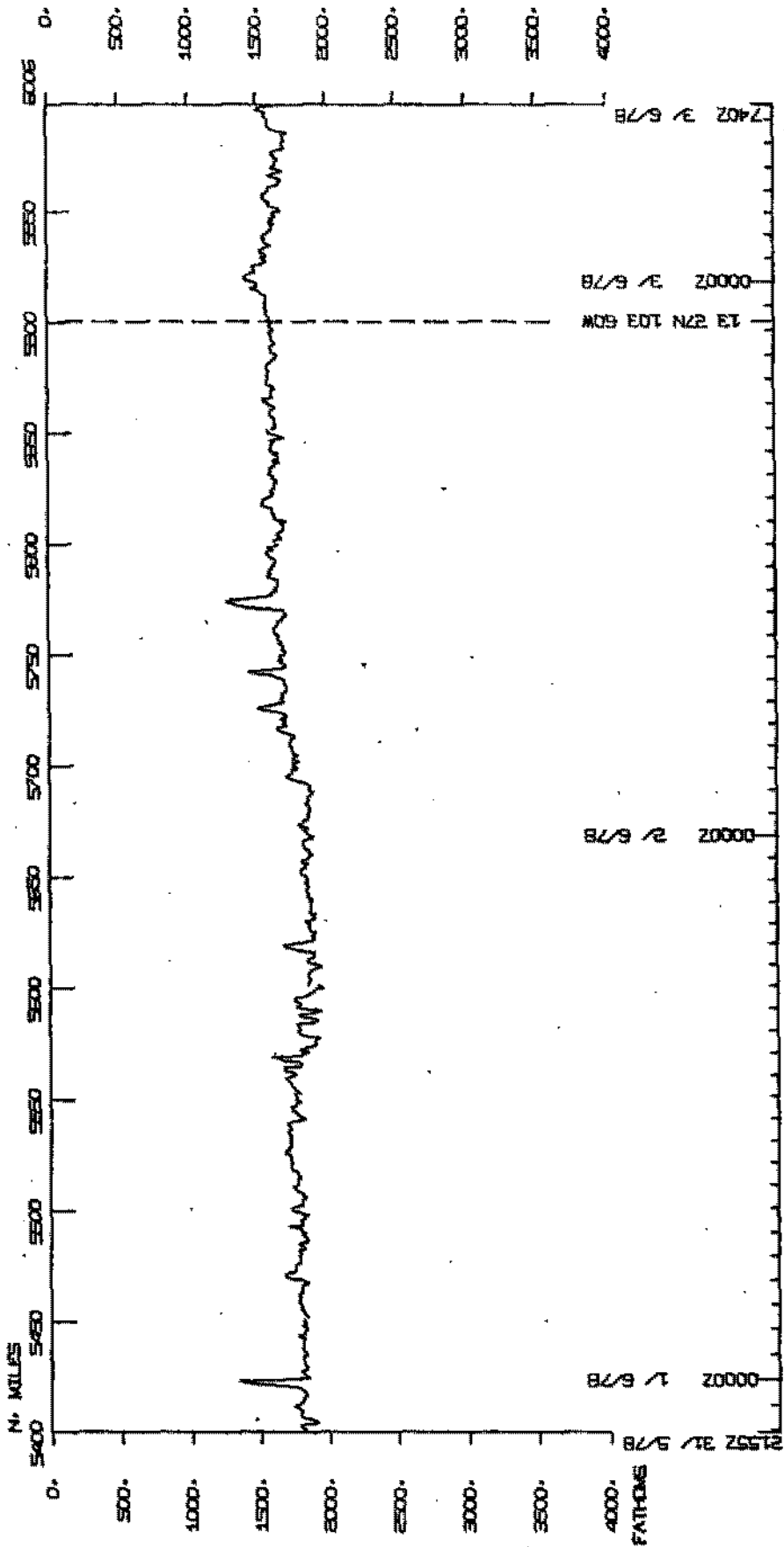
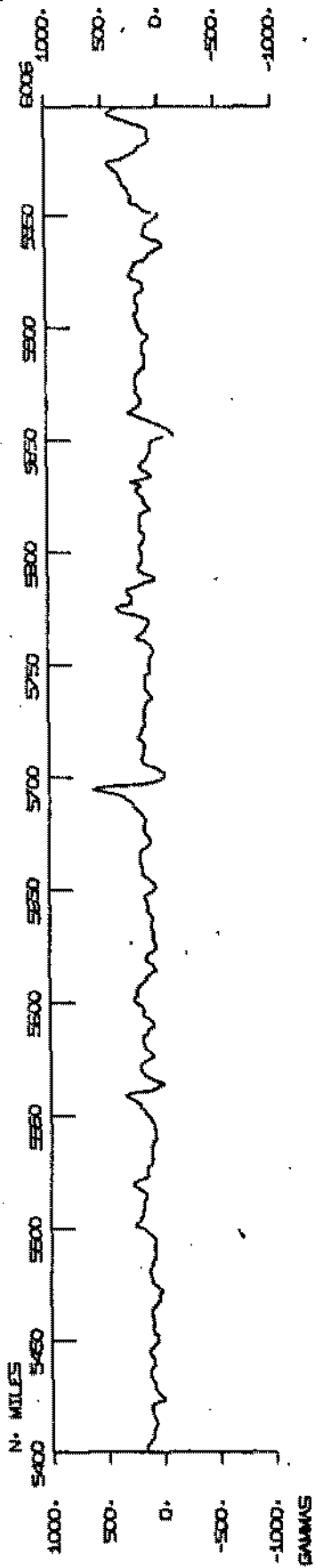
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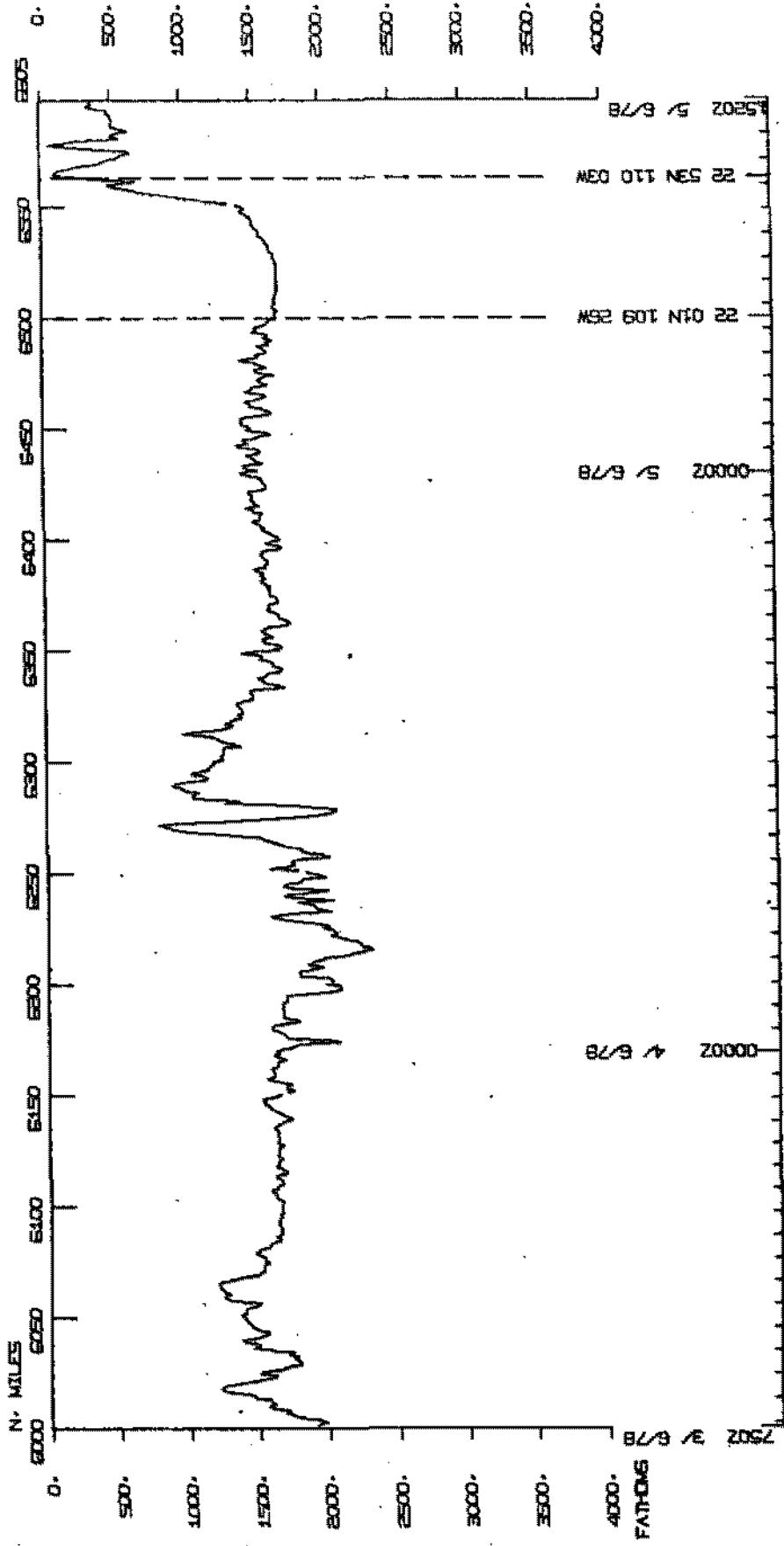
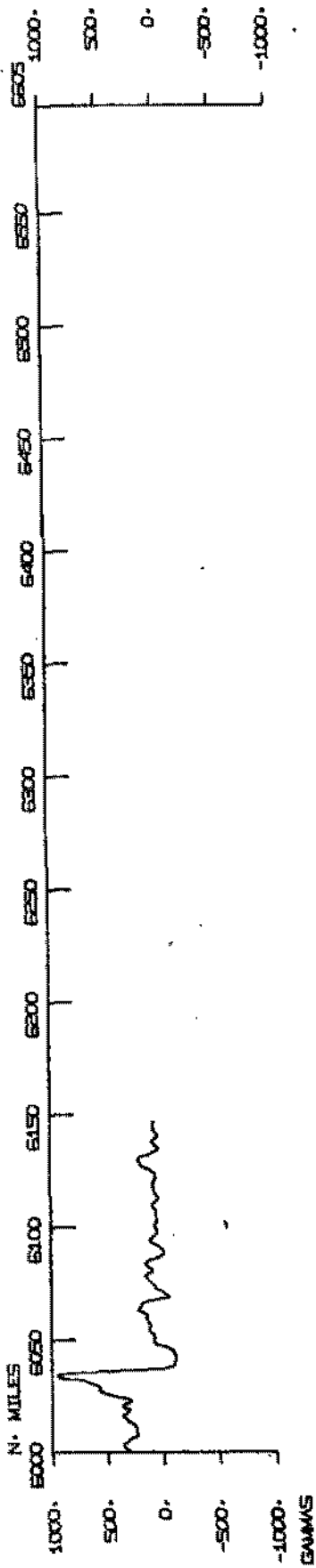
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CENTER LEG 1

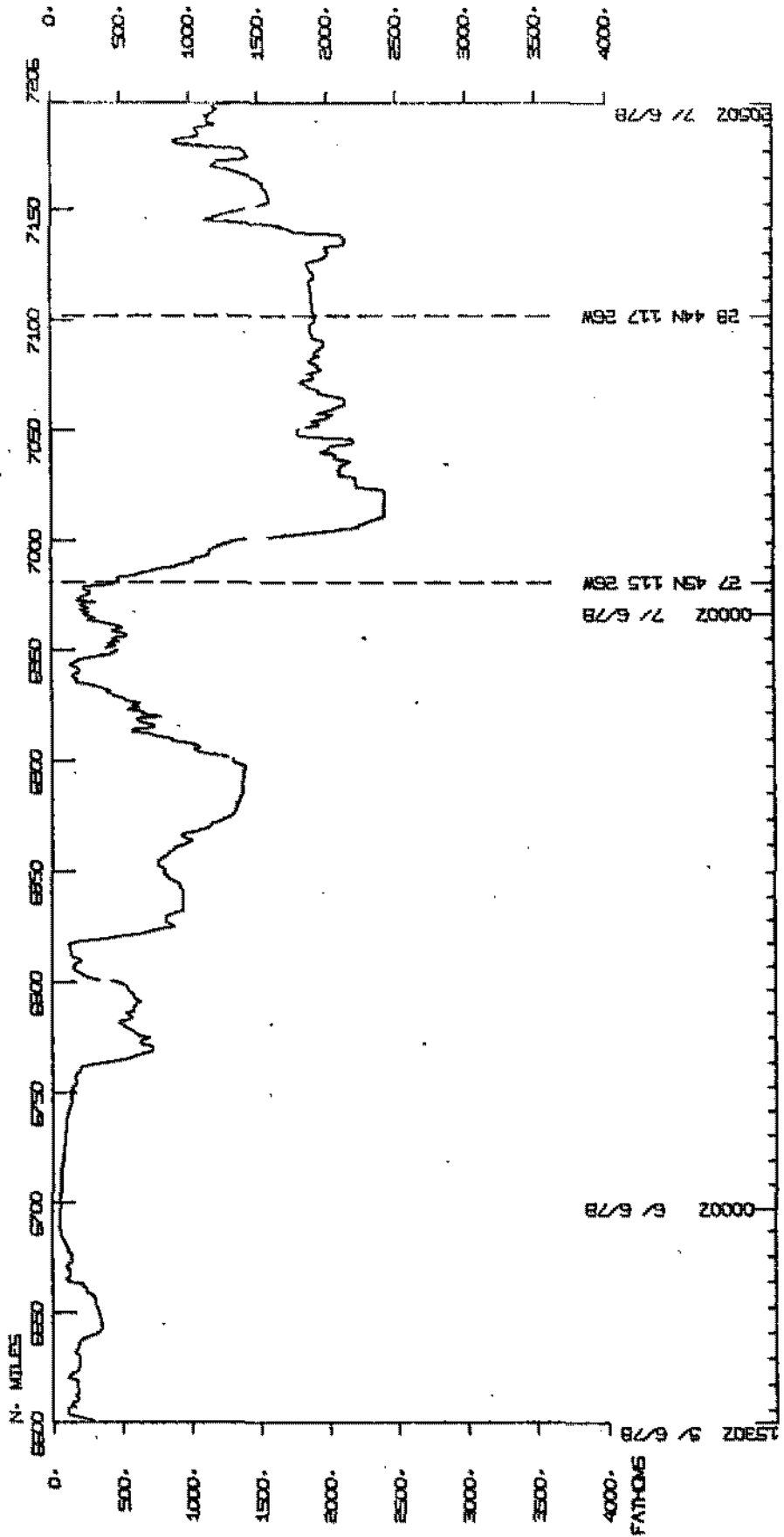
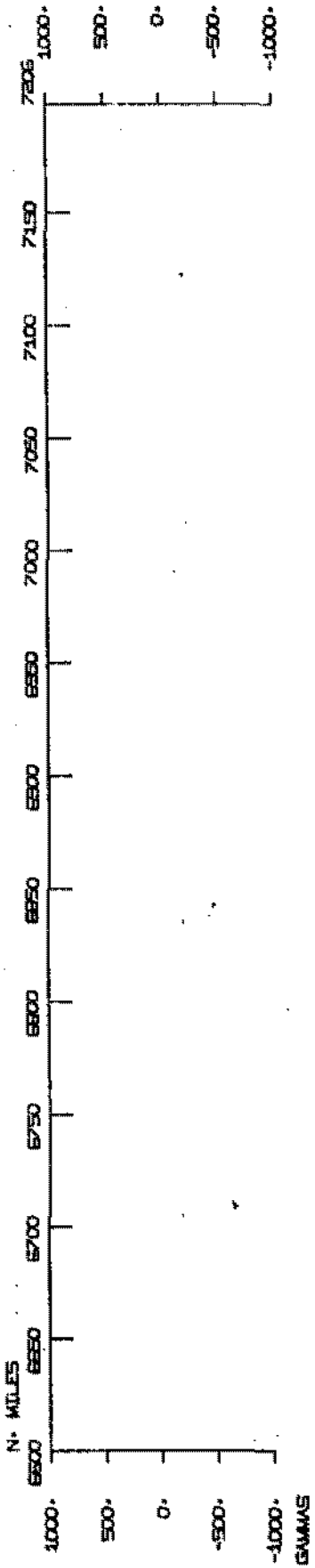


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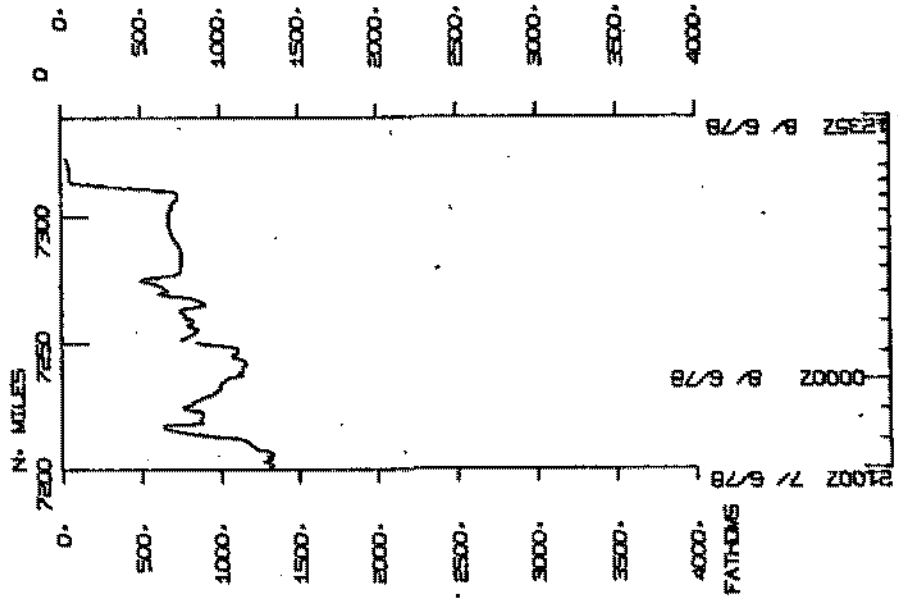
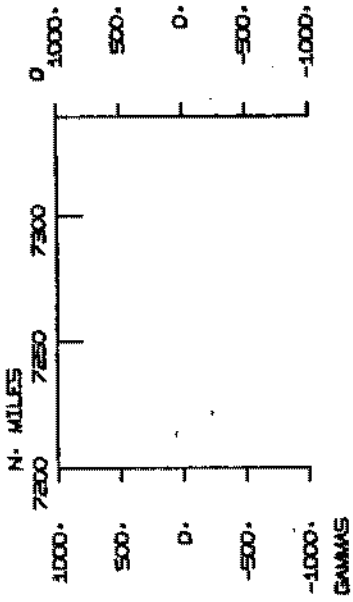


7502 2/ 6/78
 00002 4/ 6/78
 00002 5/ 6/78
 22 01N 109 26W
 22 53N 110 03W
 75202 5/ 6/78

CENTER LEG 1



CENTER LEG 1



S.I.O. SAMPLE INDEX
(Issued July 25, 1978)

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LEG 1

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to
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R/V Washington

Chief Scientist - L. Dorman (SIO)

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

Index Encoding Funded by NSF
Grant Number OCE76-80618
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 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 cards. 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.)

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NUMBER OF SAMPLES OF CLASS 'TYPE' GOING TO DESTINATION 'DISP'

DISP	TYPE											TOTAL	
	BT	DP	DR	GV	LB	MG	PE	SP	SQ	SR			
DCP	I	2										I	2
GCR	I		2									I	2
GDC	I	15			1	3		5				I	24
GRD	I						4					I	4
LMD	I			4					9	11		I	24
MPL	I						1		67			I	68
MTG	I						1					I	1
OSU	I						2		6			I	8
SCG	I						1					I	1
SGG	I						1					I	1
SIX	I						9					I	9
TOTAL	I	2	15	2	4	1	3	19	5	82	11	I	144

SAMPLE 'TYPE' CODES USED ABOVE

- BT = BATHYTHERMOGRAM
- DP = DEPTH
- DR = DREDGE
- GV = GRAVITY
- LB = LOG BOOKS
- MG = MAGNETICS (TOWED VEHICLE, SURFACE, TOTAL FIELD)
- PE = PERSONNEL IN SCIENTIFIC PARTY
- SP = SEISMIC REFLECTION PROFILE AIRGUN
- SQ = SEA QUAKE RECORDING
- SR = SEISMIC STATION - SHOOTING RUN

SAMPLE 'DISP' CODES USED ABOVE

- DCP = DATA COLLECTION, PROCESSING GROUP -- F. WILKES (EXT. 3668)
- GCR = GEOLOGICAL CURATING FACILITY -- W. RIEDEL, (EXT. 4386)
- GDC = GEOLOGICAL DATA CENTER -- S. SMITH (EXT. 2752)
- GRD = GEOLOGICAL RESEARCH DIVISION (EXT. 3360)
- LMD = LEROY M. DORMAN (EXT. 2406)
- MPL = MARINE PHYSICAL LAB. (EXT 2305)
- MTG = MARINE TECHNOLOGY GROUP (EXT 4194)
- OSU = OREGON STATE UNIVERSITY
- SCG = SHIPBOARD COMPUTER GROUP (EXT. 4195)
- SGG = SHIPBOARD GEOPHYSICAL GROUP--P. CRAMPTON (EXT.2079)
- SIX = SCRIPPS INSTITUTION NON-EMPLOYEE -(CONTACT DORCAS UTTER EXT. 2356)

CENTER-1WT SAMPLF INDEX.

CENT-1WT

*** PORTS ***

25 6 578
1300 8 678

LGPT B SAN DIEGO, CA.
LGPT E SAN DIEGO, CA.

32 39IN 117 134W S CENT-1WT
32 404N 117 143W S CENT-1WT

PERSONNEL

PECS	DORMAN, L.	GRD	CENT-1WT
PERT	WILSON, R.	MTG	CENT-1WT
PEET	BROWN, B.	OSU	CENT-1WT
PEAT	CRAMPTON, P.	SGG	CENT-1WT
PEET	BATTEY, R.	SIX	CENT-1WT
PECT	OTT, J.	SCG	CENT-1WT
PE	BIBEE, D.	MPL	CENT-1WT
PE	DAVIDSON, J.	SIX	CENT-1WT
PE	JOHNSON, S.	OSU	CENT-1WT
PE	JONES, K.	SIX	CENT-1WT
PES	MUELLER, J.	SIX	CENT-1WT
PES	NELSON, J.	SIX	CENT-1WT
PES	RIEDEL, M.	GRD	CENT-1WT
PE	ROSENDAHL, B.	SIX	CENT-1WT
PES	RUSSELL, D.	SIX	CENT-1WT
PES	SPUDICH, P.	GRD	CENT-1WT
PE	VENTING, C.	SIX	CENT-1WT
PES	VINK, G.	SIX	CENT-1WT
PE	WILLOUGHBY, D.	GRD	CENT-1WT

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

*** NOTE *** AN 'X' IN THE (B)EGIN/(E)ND COLUMN FOLLOWING THE SAMPLE
CODE INDICATES NO SAMPLE OR DATA RECOVERED

TIME GMT	DATE D.N.Y.	TIME LOC	TZ LOC	SAMP CODE	SAMPLE IDENT.	DISP CODE	LAT.	LONG.	CRUISE LEG-SHIP
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UNDERWAY DATA CURATOR - STUART M. SMITH (EXT. 2752)

*** LOG BOOKS ***

29	6	578		LBUW B	UNDERWAY WATCH LOG	GDC 32	391N	117 134W	S CENT-1WT
1041	8	678		LBUW E	UNDERWAY WATCH LOG	GDC 32	259N	117 101W	S CENT-1WT

*** FATHUGRAMS ***

245	6	578		DPR3 B	UGR 3.5KHZ R-01	GDC 32	139N	117 65W	S CENT-1WT
405	9	578		DPR3 E	UGR 3.5KHZ R-01	GDC 20	422N	108 462W	S CENT-1WT
425	9	578		DPR3 B	UGR 3.5KHZ R-02	GDC 20	401N	108 430W	S CENT-1WT
245	11	578		DPR3 E	UGR 3.5KHZ R-02	GDC 15	127N	104 493W	S CENT-1WT
256	11	578		DPR3 B	LSR1811 3.5KHZ R-03	GDC 15	115N	104 477W	S CENT-1WT
405	11	578		DPR3 E	LSR1811 3.5KHZ R-03	GDC 15	31N	104 362W	S CENT-1WT
409	11	578		DPR3 B	UGR 3.5KHZ R-04	GDC 15	27N	104 355W	S CENT-1WT
215	14	578		DPR3 E	UGR 3.5KHZ R-04	GDC 7	505N	95 29W	S CENT-1WT
232	14	578		DPR3 B	UGR 3.5KHZ R-05	GDC 7	484N	95 7W	S CENT-1WT
2112	14	578		DPR3 E	UGR 3.5KHZ R-05	GDC 5	423N	92 146W	S CENT-1WT
2117	14	578		DPR3 B	UGR 3.5KHZ R-06	GDC 5	416N	92 138W	S CENT-1WT
117	15	578		DPR3 E	UGR 3.5KHZ R-06	GDC 5	107N	91 391W	S CENT-1WT
125	15	578		DPR3 B	UGR 3.5KHZ R-07	GDC 5	96N	91 380W	S CENT-1WT
1718	18	578		DPR3 E	UGR 3.5KHZ R-07	GDC 0	480N	86 43W	S CENT-1WT
1734	18	578		DPR3 B	UGR 3.5KHZ R-08	GDC 0	479N	86 50W	S CENT-1WT
1744	22	578		DPR3 E	UGR 3.5KHZ R-08	GDC 0	458N	85 564W	S CENT-1WT
1006	27	578		DPR3 B	UGR 3.5KHZ R-09	GDC 2	86N	97 404W	S CENT-1WT
126	28	578		DPR3 E	UGR 3.5KHZ R-09	GDC 2	130N	97 165W	S CENT-1WT
138	28	578		DPR3 B	UGR 3.5KHZ R-10	GDC 2	125N	97 172W	S CENT-1WT
845	4	678		DPR3 E	UGR 3.5KHZ R-10	GDC 18	372N	107 174W	S CENT-1WT
954	4	678		DPR3 B	UGR 3.5KHZ R-11	GDC 18	481N	107 241W	S CENT-1WT
1041	11	678		DPR3 E	UGR 3.5KHZ R-11	GDC 32	404N	117 143W	S CENT-1WT
305	15	578		DPRT B	GDR 12 KHZ R-01	GDC 4	563N	91 239W	S CENT-1WT
1830	16	578		DPRT E	GDR 12 KHZ R-01	GDC 0	475N	86 72W	S CENT-1WT

TIME GMT	DATE D.M.Y.	TIME LOC	TZ LOC	SAMP CODE	SAMPLE IDENT.	DISP CODE	LAT.	LONG.	CRUISE LEG-SHIP
715	23	578		DPRT B	GDR 12 KHZ R-02	GDC 0	465N	86 79W	S CENT-1WT
2120	25	578		DPRT E	GDR 12 KHZ R-02	GDC 2	196N	94 327W	S CENT-1WT
2130	25	578		DPRT B	GDR 12 KHZ R-03	GDC 2	198N	94 343W	S CENT-1WT
303	27	578		DPRT E	GDR 12 KHZ R-03	GDC 2	33N	96 543W	S CENT-1WT
313	27	578		DPRT B	GDR 12 KHZ R-04	GDC 2	42N	96 558W	S CENT-1WT
1737	27	578		DPRT E	GDR 12 KHZ R-04	GDC 2	89N	97 104W	S CENT-1WT

*** SEISMIC REFLECTION PROFILES ***

2209	8	578		SPRF B	2SEC SWEEP R-01	GDC 21	218N	109 436W	S CENT-1WT
1900	9	578		SPRF E	2SEC SWEEP R-01	GDC 19	3N	108 43W	S CENT-1WT
2036	9	578		SPRF B	2SEC SWEEP R-02	GDC 18	480N	108 117W	S CENT-1WT
238	10	578		SPKF E	2SEC SWEEP R-02	GDC 17	599N	108 355W	S CENT-1WT
1141	20	578		SPRF B	2SEC SWEEP R-03	GDC 0	476N	86 73W	S CENT-1WT
230	30	578		SPRF E	2SEC SWEEP R-03	GDC 2	120N	97 498W	S CENT-1WT
2209	8	578		SPRS B	5SEC SWEEP R-01	GDC 21	218N	109 436W	S CENT-1WT
238	10	578		SPRS E	5SEC SWEEP R-01	GDC 17	599N	108 355W	S CENT-1WT
1141	20	578		SPRS B	5SEC SWEEP R-02	GDC 0	476N	86 73W	S CENT-1WT
230	30	578		SPRS E	5SEC SWEEP R-02	GDC 2	120N	97 498W	S CENT-1WT

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

25	6	578		GVR B	GRAVITYMETER R-01	LMD 32	391N	117 134W	S CENT-1WT
342	13	578		GVR E	GRAVITYMETER R-01	LMD 10	8N	97 583W	S CENT-1WT
347	13	578		GVR B	GRAVITYMETER R-02	LMD 10	4N	97 577W	S CENT-1WT
1730	20	578		GVR E	GRAVITYMETER R-02	LMD 0	476N	86 51W	S CENT-1WT
1745	20	578		GVR B	GRAVITYMETER R-03	LMD 0	474N	86 23W	S CENT-1WT
2100	27	578		GVR E	GRAVITYMETER R-03	LMD 2	89N	97 153W	S CENT-1WT
2110	27	578		GVR B	GRAVITYMETER R-04	LMD 2	90N	97 153W	S CENT-1WT
2100	30	578		GVR E	GRAVITYMETER R-04	LMD 2	545N	97 331W	S CENT-1WT

*** MAGNETOMETER ***

2159	8	578		MGR B	MAGNETICS R-01	GDC 21	234N	109 448W	S CENT-1WT
722	24	578		MGR E	MAGNETICS R-01	GDC 1	421N	87 598W	S CENT-1WT

TIME GMT	DATE D.M.Y.	TIME LOC	TZ LOC	SAMP CODE	SAMPLE IDENT.	DISP CODE	LAT.	LONG.	CRUISE LEG-SHIP
140	26	578		MGR	B MAGNETICS R-02	GDC	2 237N	95 171W	S CENT-1WT
850	29	578		MGR	E MAGNETICS R-02	GDC	2 99N	97 29W	S CENT-1WT
550	30	578		MGR	B MAGNETICS R-03	GDC	2 87N	97 404W	S CENT-1WT
2205	3	678		MGR	E MAGNETICS R-03	GDC	17 2N	106 141W	S CENT-1WT

SEA QUAKE BOTTOM SEISMOMETER

1925	16	578		SQBS	B OBS GWEN	2521	LMD	0 473N	86 76W	S CENT-1WT
1745	20	578		SQBS	E OBS GWEN	2521	LMD	0 474N	86 23W	S CENT-1WT
1457	17	578		SQBS	B OBS DENI	2536	LMD	0 469N	86 86W	S CENT-1WT
2035	22	578		SQBS	E OBS DENI	2536	LMD	0 465N	86 93W	S CENT-1WT
705	18	578		SQBS	B OBS DOE	2402	LMD	0 461N	86 60W	S CENT-1WT
900	18	578		SQBS	E OBS DOE	2402	LMD	0 468N	86 59W	S CENT-1WT
1828	18	578		SQBS	B OBS INEZ	2462	LMD	0 481N	86 71W	S CENT-1WT
640	23	578		SQBS	E OBS INEZ	2462	LMD	0 483N	86 71W	S CENT-1WT
620	19	578		SQBS	B OBS DOE	2492	LMD	0 474N	86 51W	S CENT-1WT
1450	20	578		SQBS	E OBS DOE	2492	LMD	0 478N	86 57W	S CENT-1WT
850	21	578		SQBS	B OBS DOE	2663	LMD	0 405N	86 55W	S CENT-1WT
220	23	578		SQBS	E OBS DOE	2663	LMD	0 400N	86 55W	S CENT-1WT
2201	26	578		SQBS	B INEZ	3423	LMD	2 90N	97 90W	S CENT-1WT
1143	29	578		SQBS	E INEZ	3423	LMD	2 95N	97 81W	S CENT-1WT
1738	27	578		SQBS	B DOE	3271	LMD	2 89N	97 104W	S CENT-1WT
1608	29	578		SQBS	E DOE	3271	LMD	2 92N	97 113W	S CENT-1WT
338	28	578		SQBS	B DENI	3376	LMD	2 93N	97 75W	S CENT-1WT
1411	29	578		SQBS	E DENI	3376	LMD	2 100N	97 79W	S CENT-1WT
150	17	578		SQBS	B OSU OBS 1	2596	OSU	0 437N	85 362W	S CENT-1WT
145	21	578		SQBS	E OSU OBS 1	2596	OSU	0 454N	85 344W	S CENT-1WT
254	17	578		SQBS	B OSU OBS 2	2704	OSU	0 440N	85 340W	S CENT-1WT
220	21	578		SQBS	E OSU OBS 2	2704	OSU	0 449N	85 362W	S CENT-1WT
328	17	578		SQBS	X OSU OBS 3	2704	OSU	0 439N	85 330W	S CENT-1WT
404	17	578		SQBS	X OSU OBS 4	2686	OSU	0 437N	85 327W	S CENT-1WT
1722	21	578		SQBS	B OSU OBS 1	2798	OSU	0 383N	85 335W	S CENT-1WT
743	22	578		SQBS	E OSU OBS 1	2798	OSU	0 369N	85 351W	S CENT-1WT
1801	21	578		SQBS	B OSU OBS 2	2801	OSU	0 378N	85 310W	S CENT-1WT
1640	22	578		SQBS	E OSU OBS 2	2801	OSU	0 413N	85 440W	S CENT-1WT

TIME GMT	DATE D.M.Y.	TIME LOC	TZ LOC	SAMP CODE	SAMPLE IDENT.	DISP CODE	LAT.	LONG.	CRUISE LEG-SHIP
937	27	578		SQBS B	OSU OBS 2 3388	OSU 2	91N	97 421W	S CENT-1WT
440	30	578		SQBS E	OSU OBS 2 3388	OSU 2	98N	97 429W	S CENT-1WT
1020	27	578		SQBS B	OSU OBS 1 3405	OSU 2	86N	97 405W	S CENT-1WT
540	30	578		SQBS E	OSU OBS 1 3405	OSU 2	93N	97 407W	S CENT-1WT

SEA QUAKE SURVEY

1923	17	578		SQS	SONOBUOY 01	MPL 0	369N	86 29W	S CENT-1WT
1014	19	578		SQS	SONOBUOY 02	MPL 0	489N	86 158W	S CENT-1WT
1022	19	578		SQS	SONOBUOY 03	MPL 0	487N	86 150W	S CENT-1WT
1032	19	578		SQS	SONOBUOY 04	MPL 0	485N	86 140W	S CENT-1WT
1043	19	578		SQS	SONOBUOY 05	MPL 0	482N	86 129W	S CENT-1WT
1052	19	578		SQS	SONOBUOY 06	MPL 0	481N	86 119W	S CENT-1WT
1101	19	578		SQS	SONOBUOY 07	MPL 0	479N	86 110W	S CENT-1WT
1108	19	578		SQS	SONOBUOY 08	MPL 0	478N	86 102W	S CENT-1WT
1111	19	578		SQS	SONOBUOY 09	MPL 0	477N	86 99W	S CENT-1WT
1431	19	578		SQS	SONOBUOY 10	MPL 0	451N	85 479W	S CENT-1WT
1435	19	578		SQS	SONOBUOY 11	MPL 0	450N	85 473W	S CENT-1WT
1442	19	578		SQS	SONOBUOY 12	MPL 0	450N	85 464W	S CENT-1WT
1451	19	578		SQS	SONOBUOY 13	MPL 0	449N	85 452W	S CENT-1WT
1501	19	578		SQS	SONOBUOY 14	MPL 0	448N	85 438W	S CENT-1WT
1506	19	578		SQS	SONOBUOY 15	MPL 0	447N	85 431W	S CENT-1WT
1511	19	578		SQS	SONOBUOY 16	MPL 0	447N	85 425W	S CENT-1WT
2321	19	578		SQS	SONOBUOY 17	MPL 0	529N	85 454W	S CENT-1WT
2323	19	578		SQS	SONOBUOY 18	MPL 0	527N	85 454W	S CENT-1WT
2324	19	578		SQS	SONOBUOY 19	MPL 0	526N	85 454W	S CENT-1WT
2325	19	578		SQS	SONOBUOY 20	MPL 0	525N	85 454W	S CENT-1WT
2326	19	578		SQS	SONOBUOY 21	MPL 0	524N	85 454W	S CENT-1WT
2328	19	578		SQS	SONOBUOY 22	MPL 0	522N	85 454W	S CENT-1WT
317	20	578		SQS	SONOBUOY 23	MPL 0	372N	85 550W	S CENT-1WT
318	20	578		SQS	SONOBUOY 24	MPL 0	373N	85 550W	S CENT-1WT
319	20	578		SQS	SONOBUOY 25	MPL 0	374N	85 550W	S CENT-1WT
320	20	578		SQS	SONOBUOY 26	MPL 0	375N	85 550W	S CENT-1WT
322	20	578		SQS	SONOBUOY 27	MPL 0	377N	85 550W	S CENT-1WT
323	20	578		SQS	SONOBUOY 28	MPL 0	378N	85 550W	S CENT-1WT
100	21	578		SQS	SONOBUOY 29	MPL 0	441N	85 325W	S CENT-1WT
135	21	578		SQS	SONOBUOY 30	MPL 0	452N	85 340W	S CENT-1WT
146	21	578		SQS	SONOBUOY 31	MPL 0	454N	85 344W	S CENT-1WT
205	21	578		SQS	SONOBUOY 32	MPL 0	451N	85 356W	S CENT-1WT
231	21	578		SQS	SONOBUOY 33	MPL 0	446N	85 349W	S CENT-1WT
305	21	578		SQS	SONOBUOY 34	MPL 0	482N	85 337W	S CENT-1WT
336	21	578		SQS	SONOBUOY 35	MPL 0	534N	85 353W	S CENT-1WT
406	21	578		SQS	SONOBUOY 36	MPL 0	483N	85 347W	S CENT-1WT
435	21	578		SQS	SONOBUOY 37	MPL 0	435N	85 340W	S CENT-1WT
506	21	578		SQS	SONOBUOY 38	MPL 0	411N	85 337W	S CENT-1WT
535	21	578		SQS	SONOBUOY 39	MPL 0	405N	85 382W	S CENT-1WT
601	21	578		SQS	SONOBUOY 40	MPL 0	401N	85 432W	S CENT-1WT
635	21	578		SQS	SONOBUOY 41	MPL 0	396N	85 499W	S CENT-1WT
700	21	578		SQS	SONOBUOY 42	MPL 0	392N	85 550W	S CENT-1WT

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753	21	578		SQS	SONOBUOY 43	MPL	0 402N	86 51W	S CENT-1WT
810	21	578		SQS	SONOBUOY 44	MPL	0 410N	86 59W	S CENT-1WT
633	28	578		SQS	SONOBUOY 45	MPL	2 110N	96 568W	S CENT-1WT
640	28	578		SQS	SONOBUOY 46	MPL	2 110N	96 576W	S CENT-1WT
645	28	578		SQS	SONOBUOY 47	MPL	2 109N	96 582W	S CENT-1WT
650	28	578		SQS	SONOBUOY 48	MPL	2 109N	96 588W	S CENT-1WT
655	28	578		SQS	SONOBUOY 49	MPL	2 109N	96 594W	S CENT-1WT
703	28	578		SQS	SONOBUOY 50	MPL	2 109N	97 4W	S CENT-1WT
1010	28	578		SQS	SONOBUOY 51	MPL	2 75N	97 220W	S CENT-1WT
1015	28	578		SQS	SONOBUOY 52	MPL	2 74N	97 227W	S CENT-1WT
1020	28	578		SQS	SONOBUOY 53	MPL	2 74N	97 235W	S CENT-1WT
1022	28	578		SQS	SONOBUOY 54	MPL	2 73N	97 238W	S CENT-1WT
1030	28	578		SQS	SONOBUOY 55	MPL	2 74N	97 249W	S CENT-1WT
1035	28	578		SQS	SONOBUOY 56	MPL	2 75N	97 257W	S CENT-1WT
1050	28	578		SQS	SONOBUOY 57	MPL	2 78N	97 279W	S CENT-1WT
1135	28	578		SQS	SONOBUOY 58	MPL	2 83N	97 344W	S CENT-1WT
1730	29	578		SQS	SONOBUOY 59	MPL	2 182N	97 132W	S CENT-1WT
1736	29	578		SQS	SONOBUOY 60	MPL	2 182N	97 140W	S CENT-1WT
1742	29	578		SQS	SONOBUOY 61	MPL	2 183N	97 149W	S CENT-1WT
1754	29	578		SQS	SONOBUOY 62	MPL	2 184N	97 165W	S CENT-1WT
1806	29	578		SQS	SONOBUOY 63	MPL	2 185N	97 182W	S CENT-1WT
1818	29	578		SQS	SONOBUOY 64	MPL	2 187N	97 200W	S CENT-1WT
1842	29	578		SQS	SONOBUOY 65	MPL	2 189N	97 231W	S CENT-1WT
2323	29	578		SQS	SONOBUOY 66	MPL	2 75N	97 268W	S CENT-1WT
28	30	578		SQS	SONOBUOY 67	MPL	2 83N	97 348W	S CENT-1WT

*** DREDGE ***

2124	18	578		DRR	B DREDGE 1	2667	GCR	0 492N	86 43W	S CENT-1WT
113	19	578		DRR	E DREDGE 1	2667	GCR	0 484N	86 38W	S CENT-1WT
1922	27	578		DRR	B DREDGE 2	2462	GCR	2 79N	97 138W	S CENT-1WT
2340	27	578		DRR	E DREDGE 2	2462	GCR	2 124N	97 190W	S CENT-1WT

SEISMIC REFRACTION - COMBINATION

1925	17	578		SRRR	B LINE 86W		LMD	0 369N	86 27W	S CENT-1WT
954	22	578		SRRR	E LINE 86W		LMD	0 351N	85 195W	S CENT-1WT
1925	17	578		SRRR	B TEST RUN (86W)		LMD	0 369N	86 27W	S CENT-1WT
2152	17	578		SRRR	E TEST RUN (86W)		LMD	0 374N	85 441W	S CENT-1WT
1004	19	578		SRRR	B RIDGE LINE 01 (86W)		LMD	0 492N	86 168W	S CENT-1WT
1854	19	578		SRRR	E RIDGE LINE 01 (86W)		LMD	0 409N	85 126W	S CENT-1WT
2329	19	578		SRRR	B CROSS LINE 01 (86W)		LMD	0 521N	85 454W	S CENT-1WT
158	20	578		SRRR	E CROSS LINE 01 (86W)		LMD	0 365N	85 469W	S CENT-1WT

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325	20	578		SRRR B	CROSS LINE 02 (86W)	LMD 0	380N	85 550W	S CENT-1WT
608	20	578		SRRR E	CROSS LINE 02 (86W)	LMD 0	553N	85 539W	S CENT-1WT
104	22	578		SRRR B	OFF RIDGE LINE (86W)	LMD 0	427N	86 166W	S CENT-1WT
954	22	578		SRRR E	OFF RIDGE LINE (86W)	LMD 0	351N	85 195W	S CENT-1WT
604	28	578		SRRR B	LINE 96W	LMD 2	111N	96 600W	S CENT-1WT
2045	29	578		SRRR E	LINE 96W	LMD 2	167N	97 387W	S CENT-1WT
604	28	578		SRRR B	RIDGE LINE (96W)	LMD 2	111N	96 600W	S CENT-1WT
1343	28	578		SRRR E	RIDGE LINE (96W)	LMD 2	126N	97 518W	S CENT-1WT
1928	28	578		SRRR B	CROSS LINE 01 (96W)	LMD 2	166N	97 291W	S CENT-1WT
2219	28	578		SRRR E	CROSS LINE 01 (96W)	LMD 2	9N	97 261W	S CENT-1WT
2339	28	578		SRRR B	CROSS LINE 02 (96W)	LMD 2	9N	97 196W	S CENT-1WT
229	29	578		SRRR E	CROSS LINE 02 (96W)	LMD 2	201N	97 221W	S CENT-1WT
1730	29	578		SRRR B	OFF RIDGE LINE (96W)	LMD 2	182N	97 132W	S CENT-1WT
2045	29	578		SRRR E	OFF RIDGE LINE (96W)	LMD 2	167N	97 387W	S CENT-1WT

*** BATHYTHERMOGRAPH ***

122	23	578		BTX	NR. SAMPLES = 01	DCP 0	405N	86 62W	S CENT-1WT
0	28	578		BTX	NR. SAMPLES = 02	DCP 2	128N	97 195W	S CENT-1WT
9900					END SAMPLE INDEX				CENT-1WT