

INDOPAC EXPEDITION

LEG 3

R/V THOMAS WASHINGTON

INFORMAL REPORT AND INDEX OF  
NAVIGATION, DEPTH AND MAGNETIC DATA

APRA, GUAM (25 MAY 1976)

to

APRA, GUAM (19 JUNE 1976)

CHIEF SCIENTIST - J. Reid

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

July 27, 1976

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

### Contents:

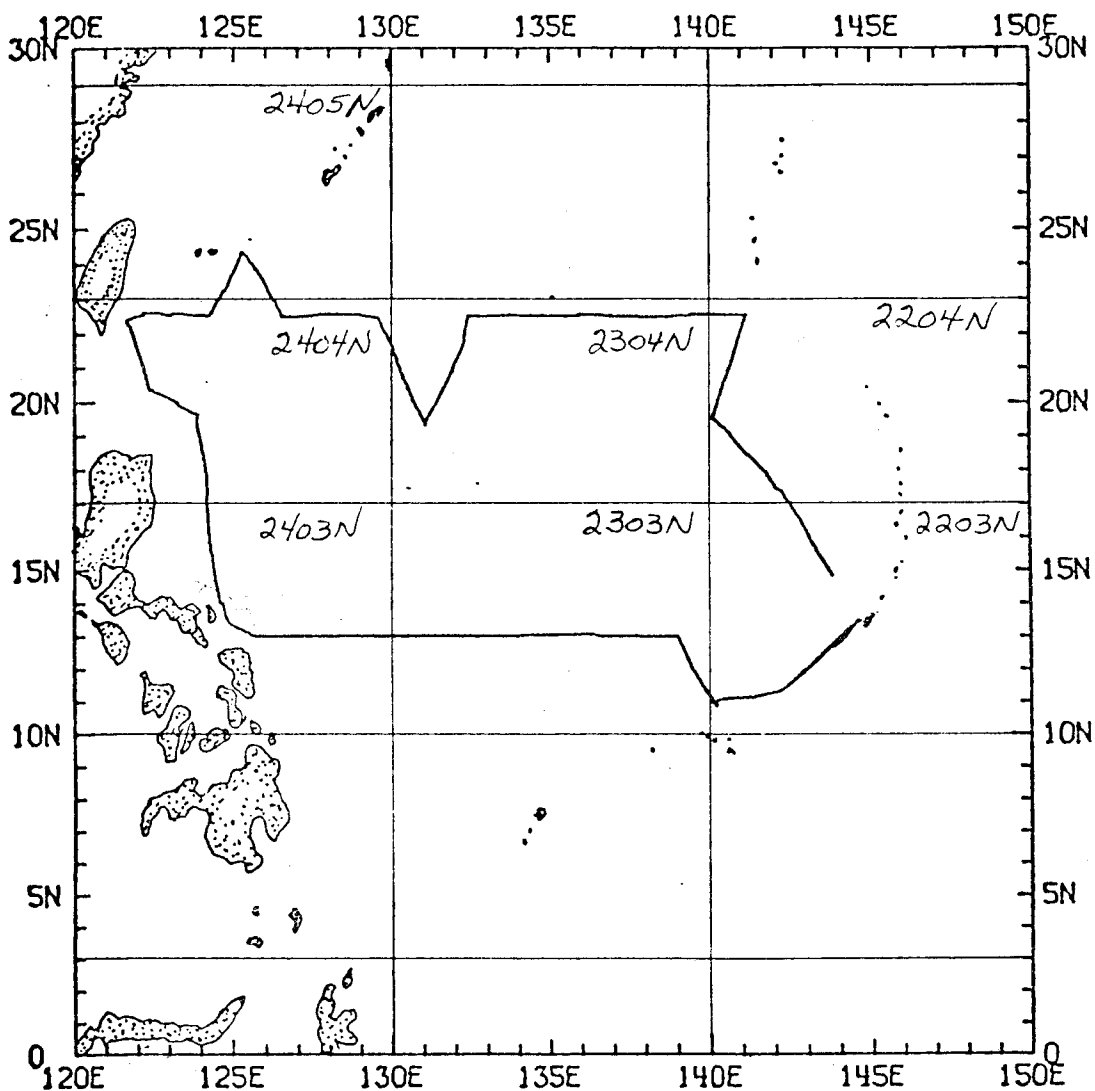
- Index Chart** - gives track of cruise leg and boundaries of depth compilation plots (see below).
- Track Charts** - annotated with dates (day/month) and hour ticks. The scale (.3"/deg. long) is the same as the index charts of previous SIO cruises published as Report IMR TR-25.
- Profiles** - Depth 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 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

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\* No subbottom profiler data collected.

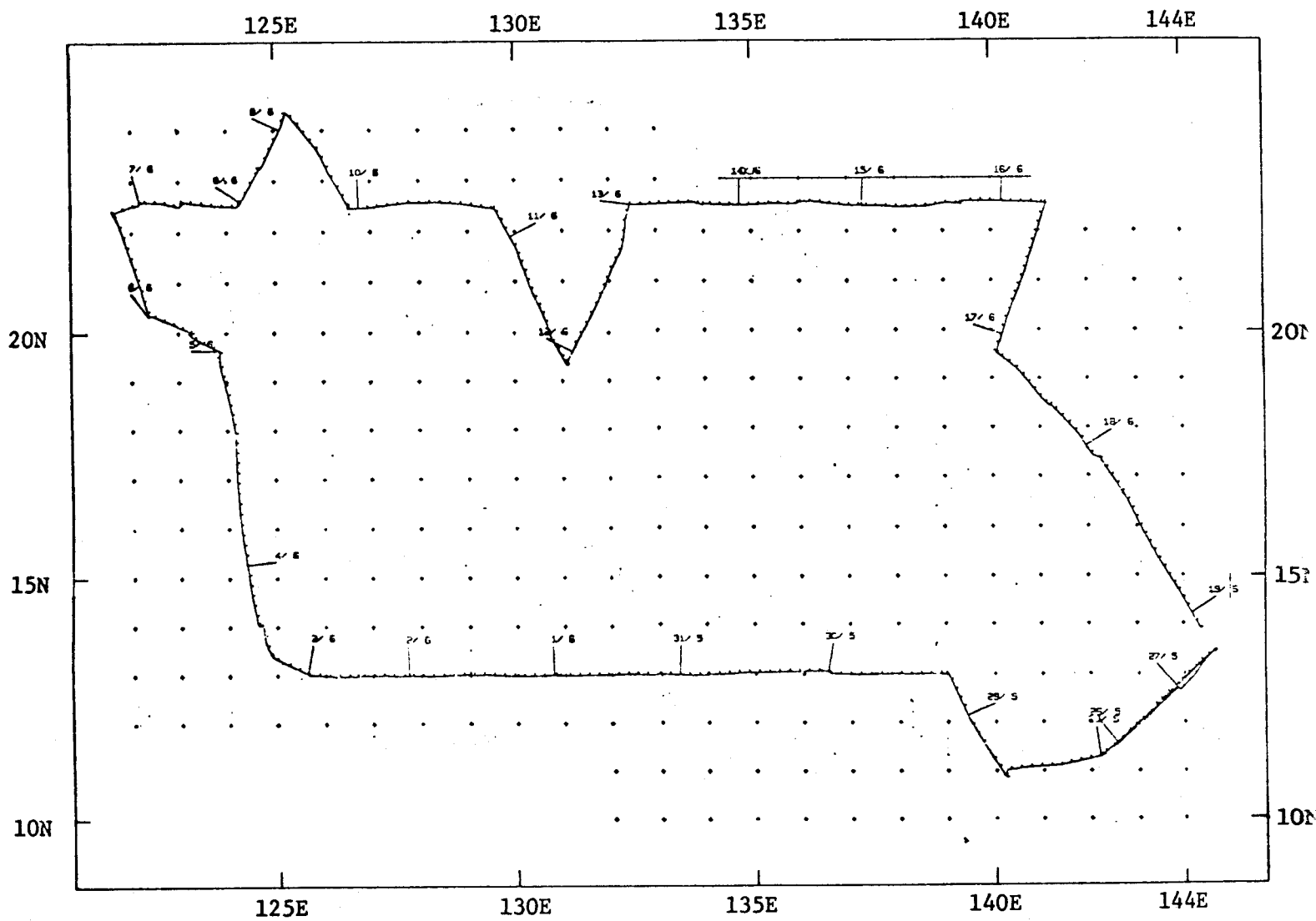


INDOPAC EXPEDITION  
LEG 3

Chief Scientist - Joe Reid  
Ports: Apra - Apra, Guam (25 May - 19 June 1976)

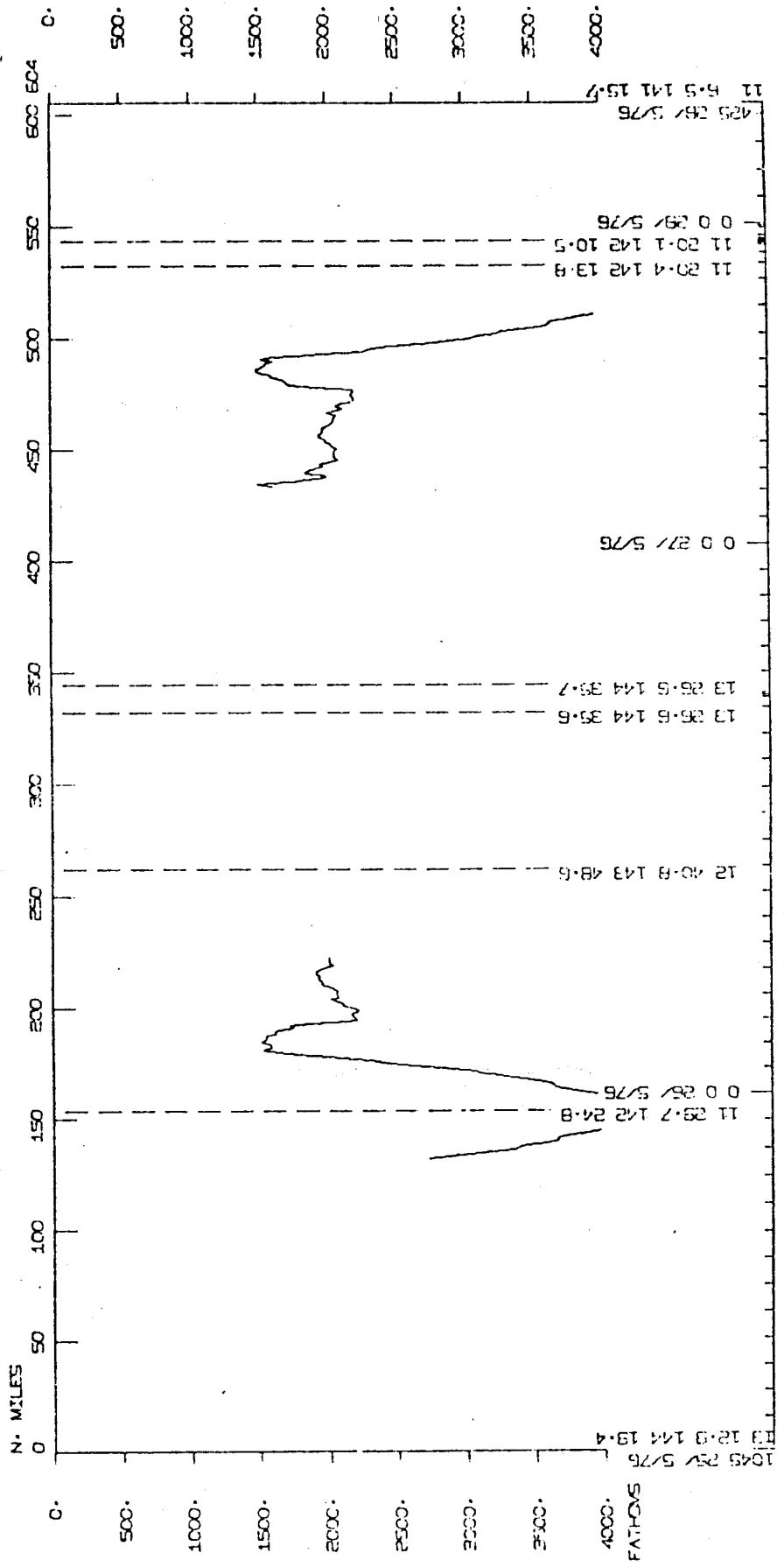
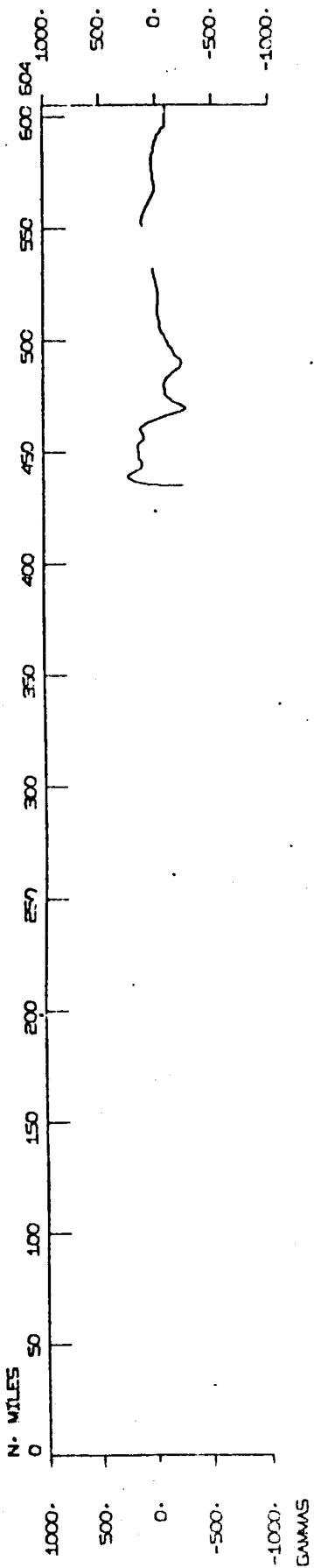
TOTAL MILEAGE

- 1) Cruise - 4449 miles
- 2) Bathymetry - 3895 miles
- 3) Magnetics - 3903 miles
- 4) Seismic reflection - none collected

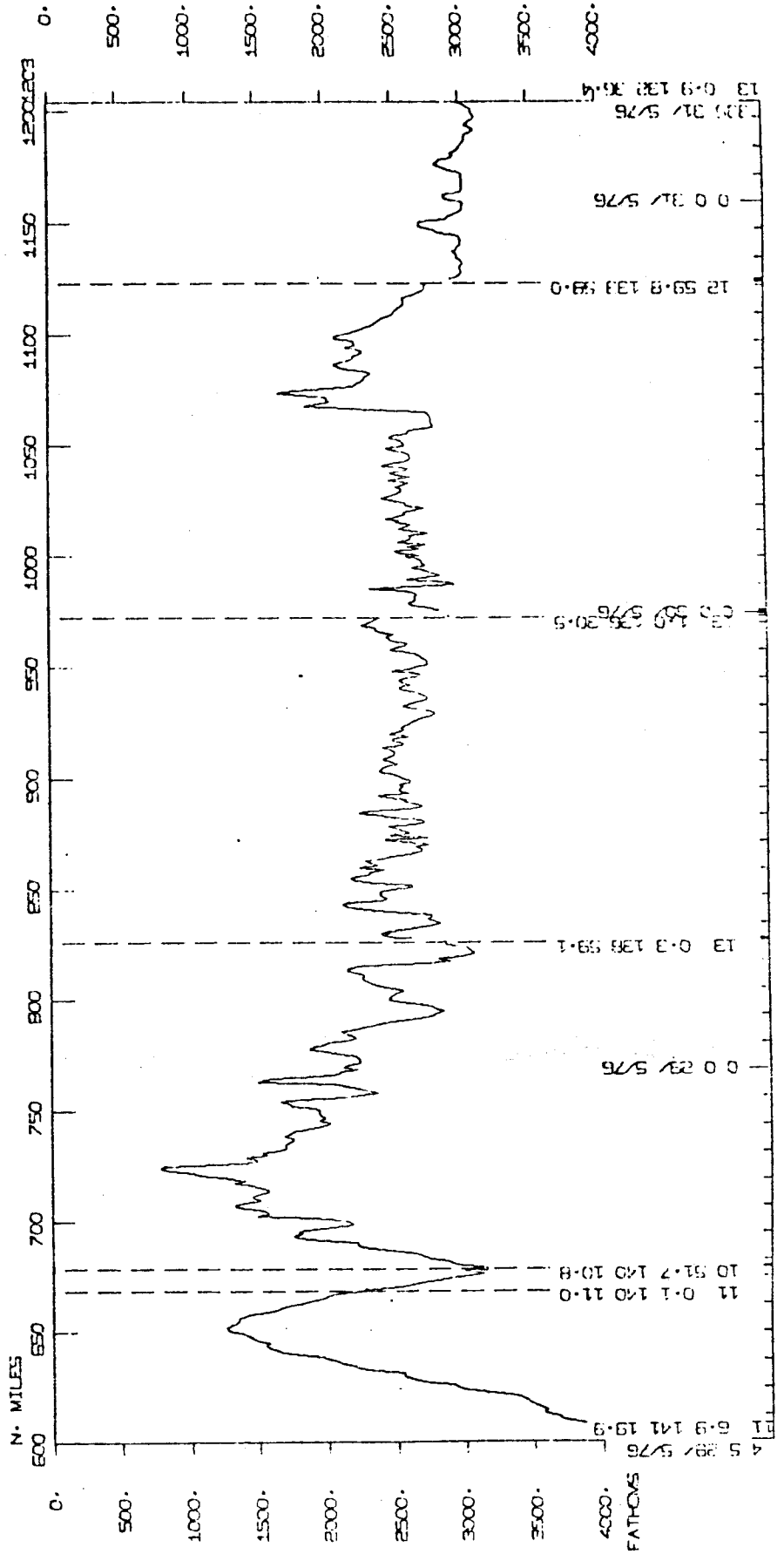
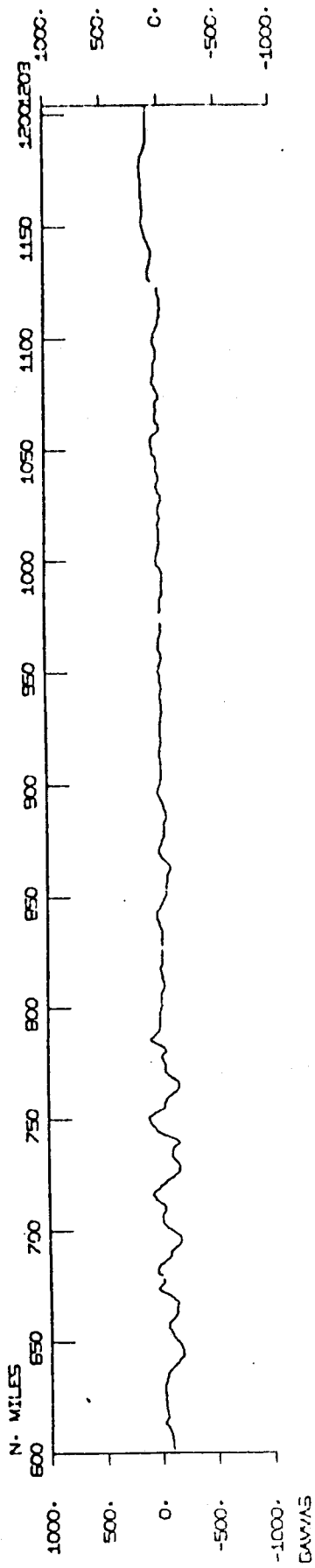


INDOPAC EXPEDITION LEG 3 Track Plot

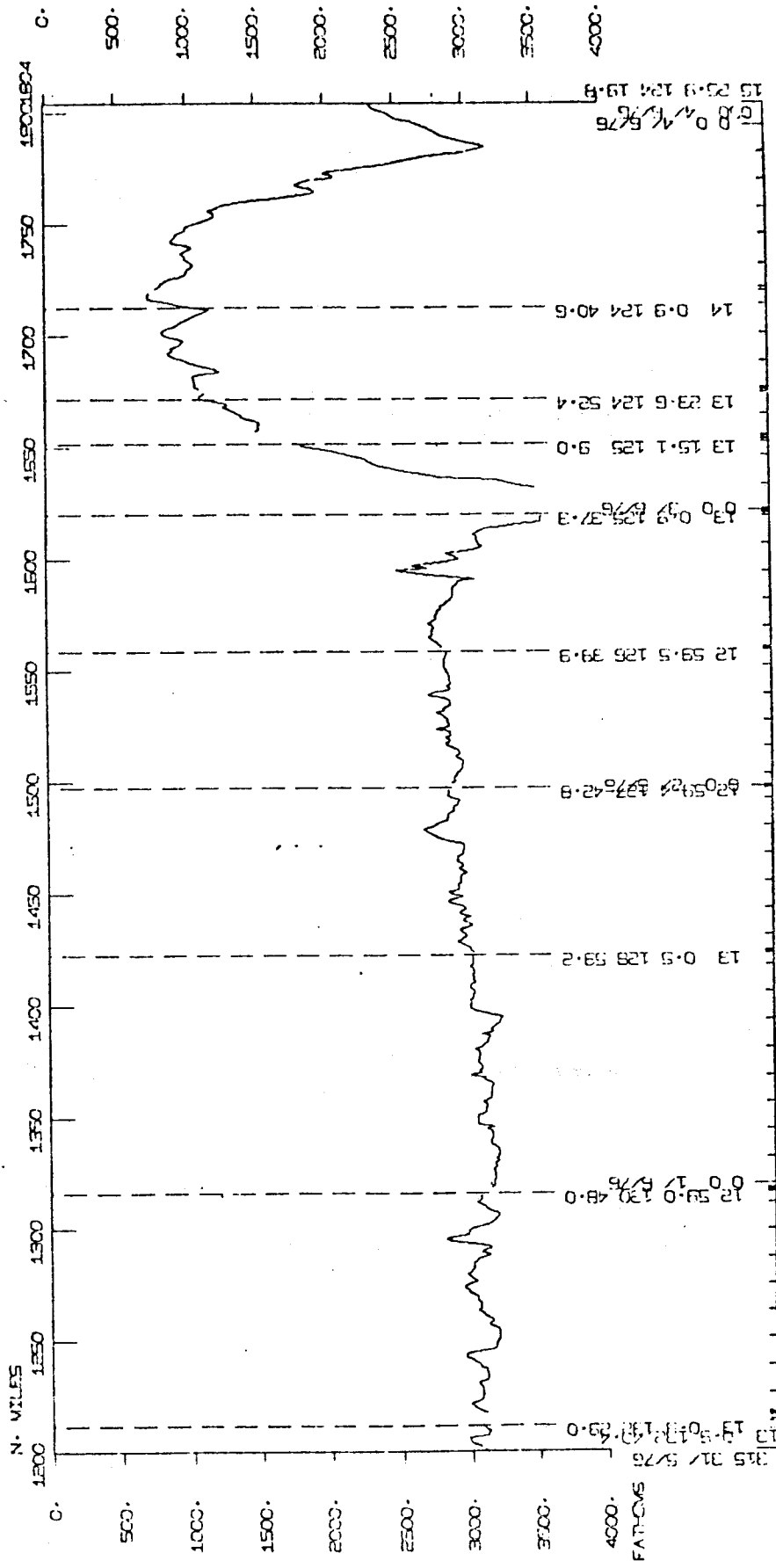
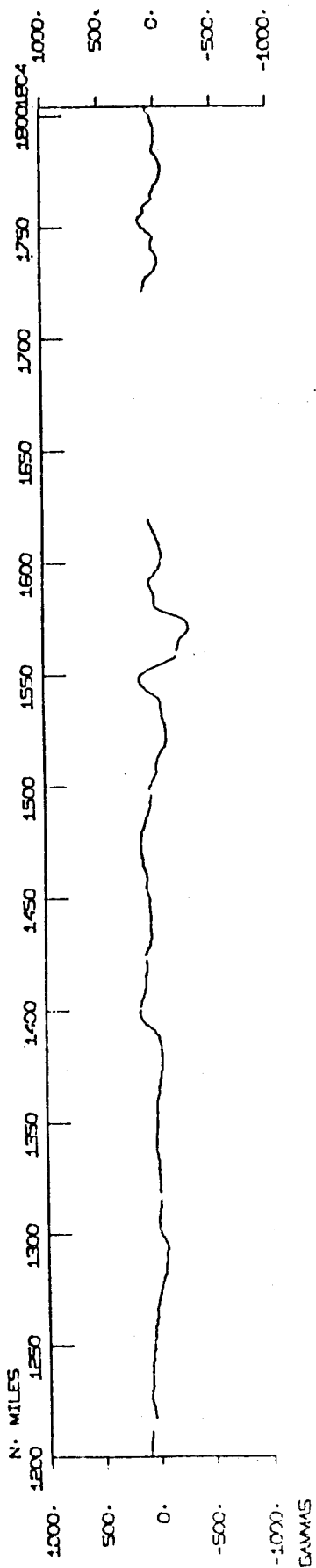
# INDOPAC LEG B



# INDOPAC LEG B

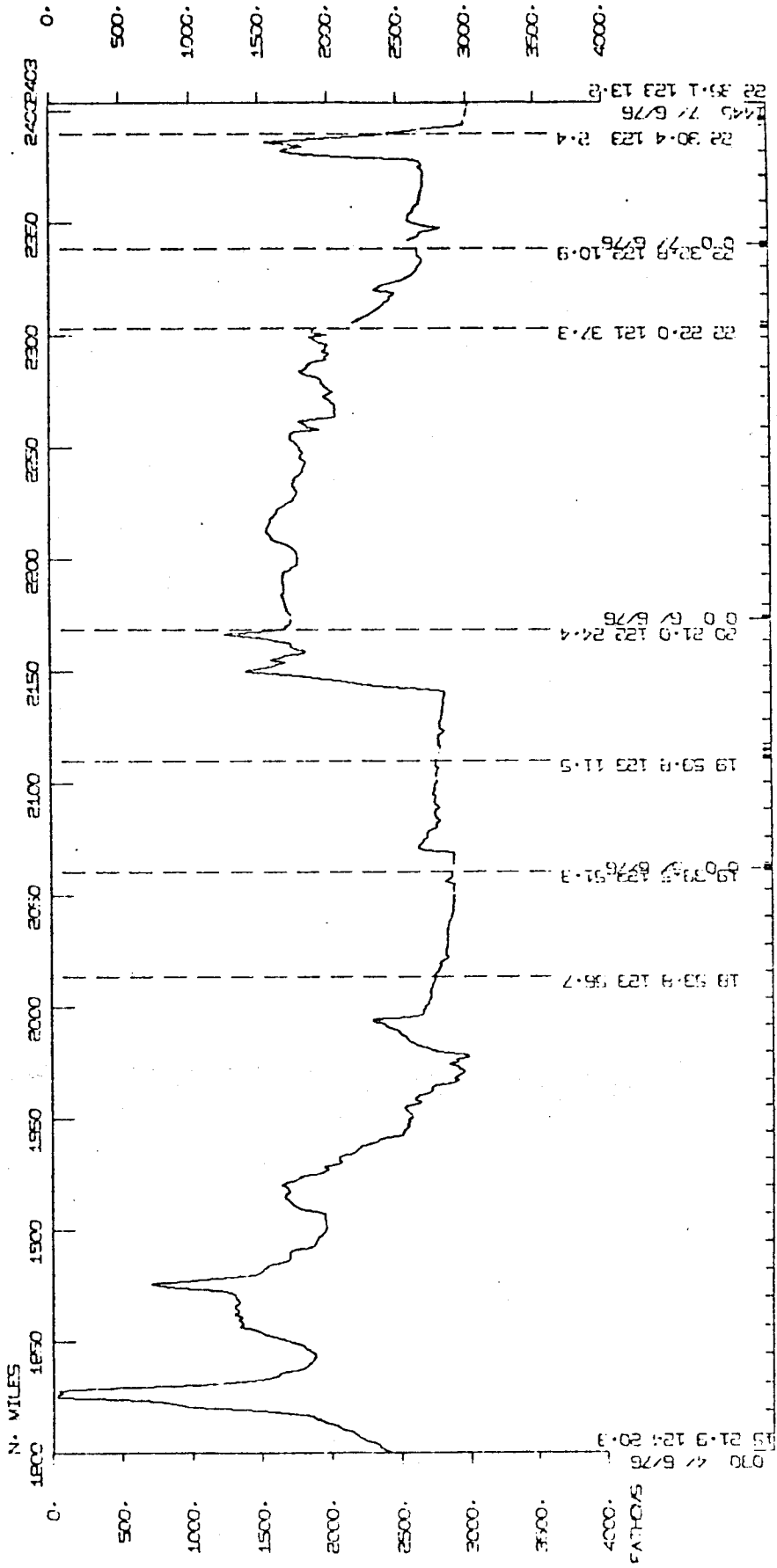
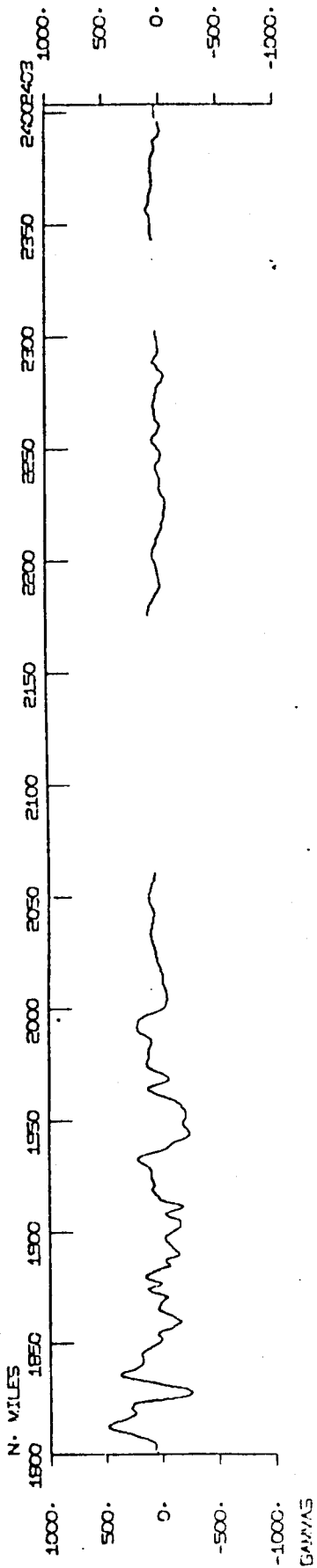


# INDOPAC LEG 3



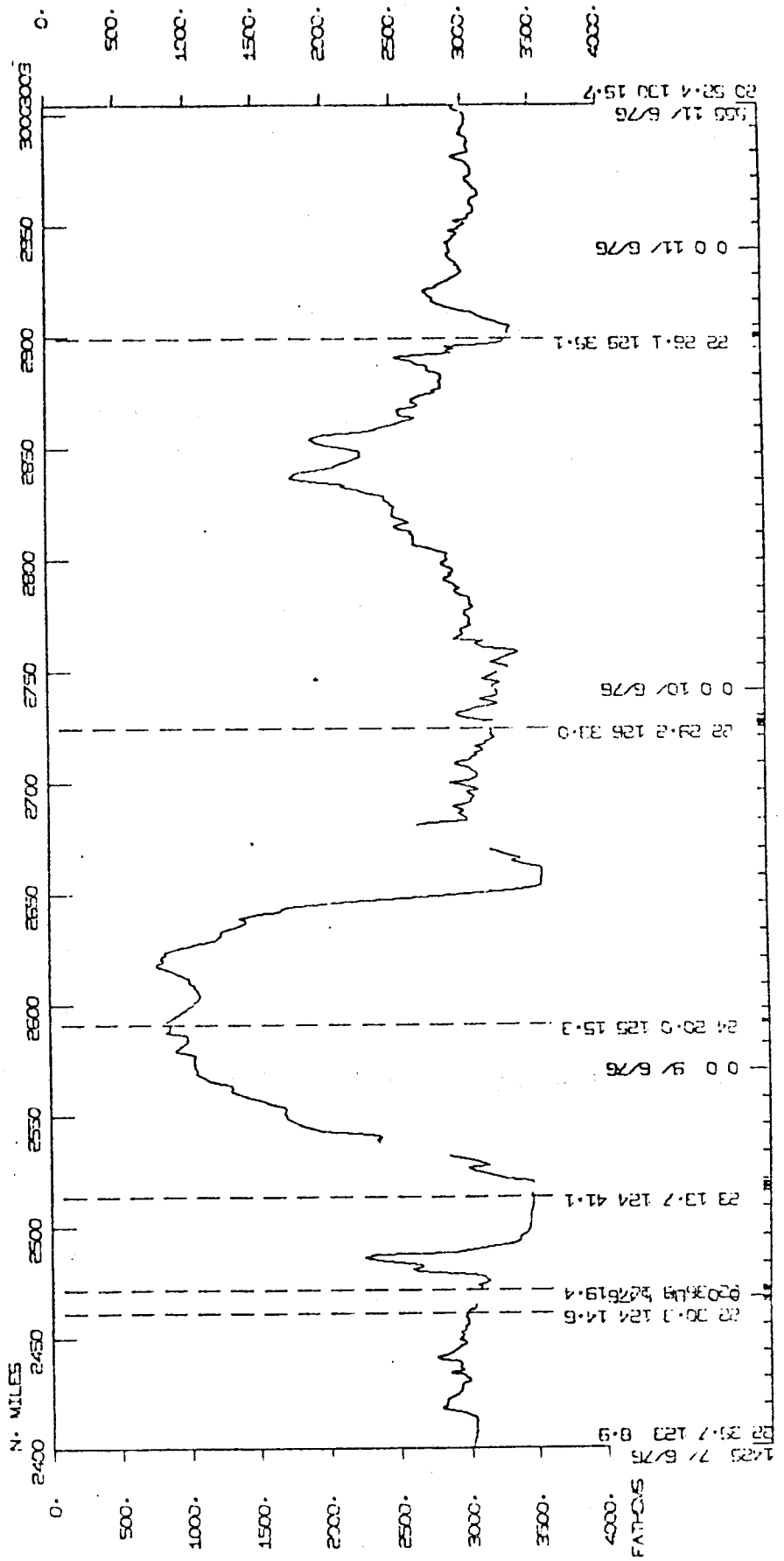
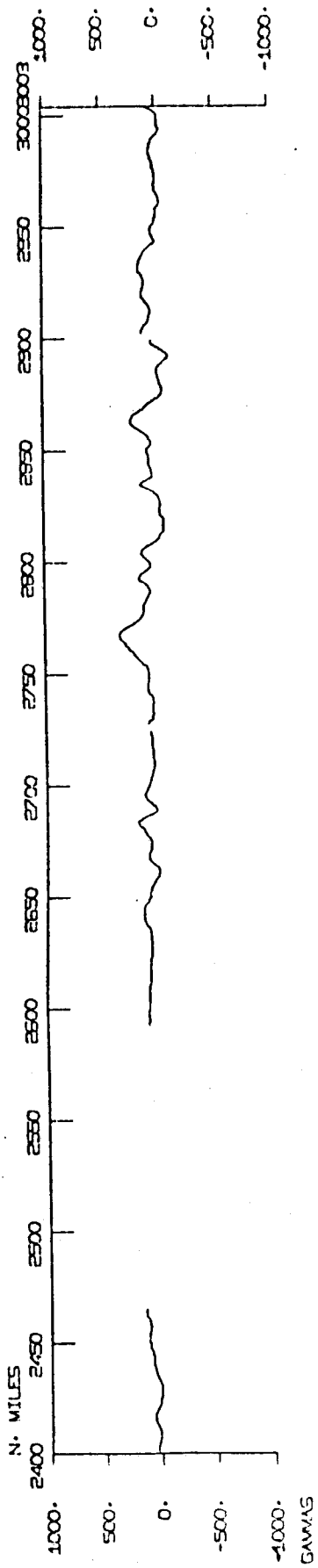
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 16 0.4 11.6 76  
 14 0.9 124 40.6  
 13 23.6 124 52.4  
 13 15.1 125 9.0  
 13 0.9 125 37.3  
 12 59.5 125 39.9  
 12 59.2 127 42.8  
 13 0.5 128 59.2  
 12 58.0 130 48.0  
 14 50.0 131 75.0  
 15 21.5 775

# INDOPAC LEG 3

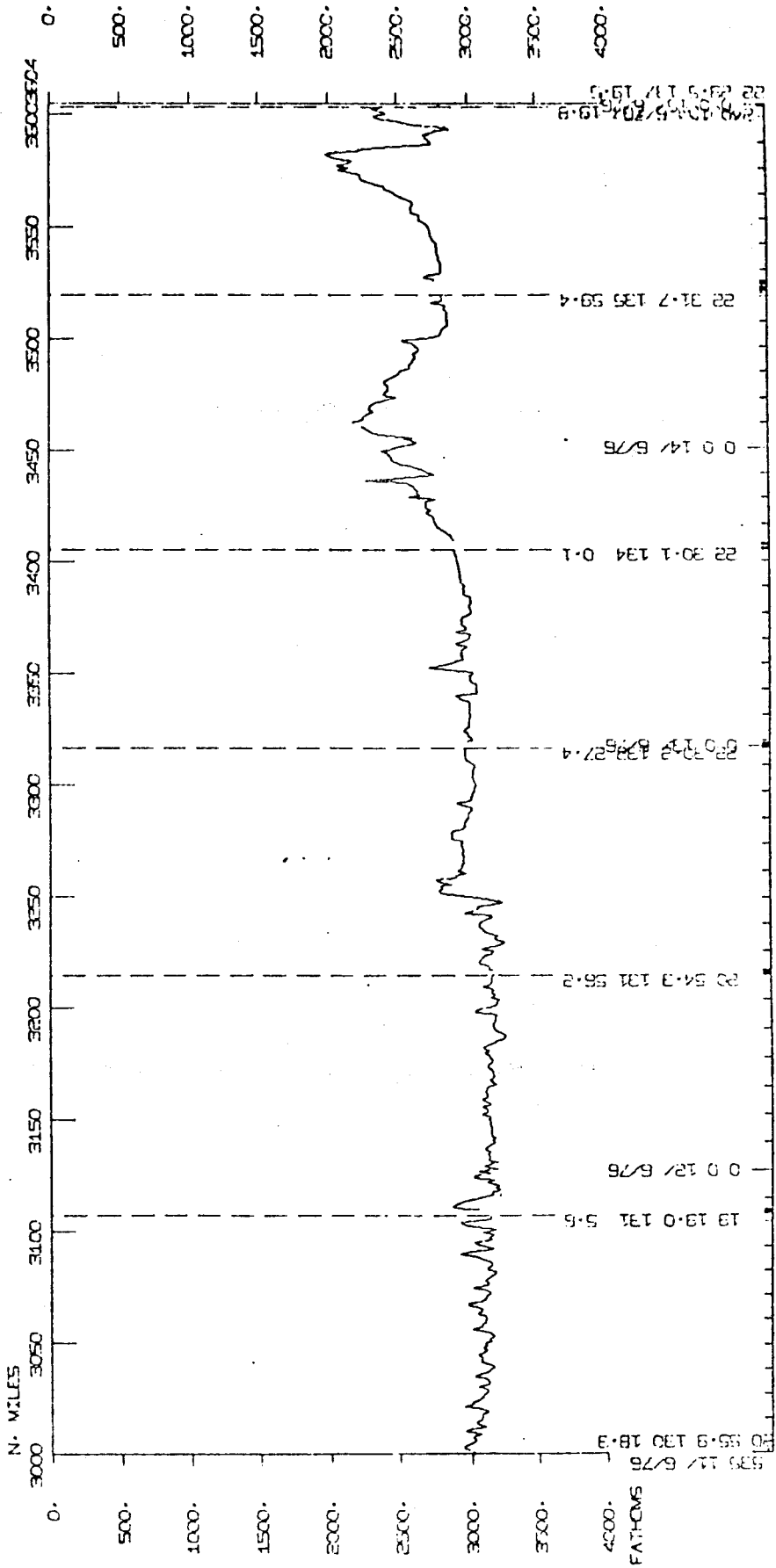
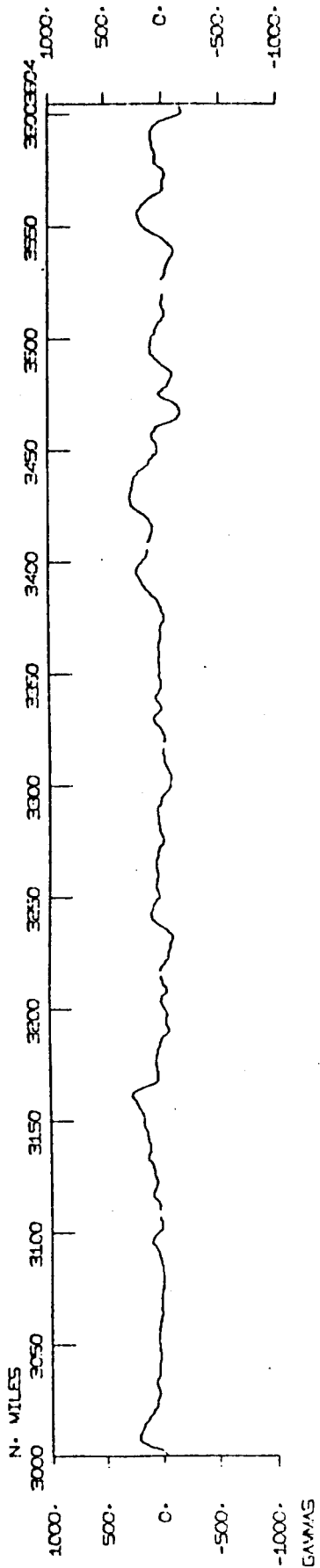




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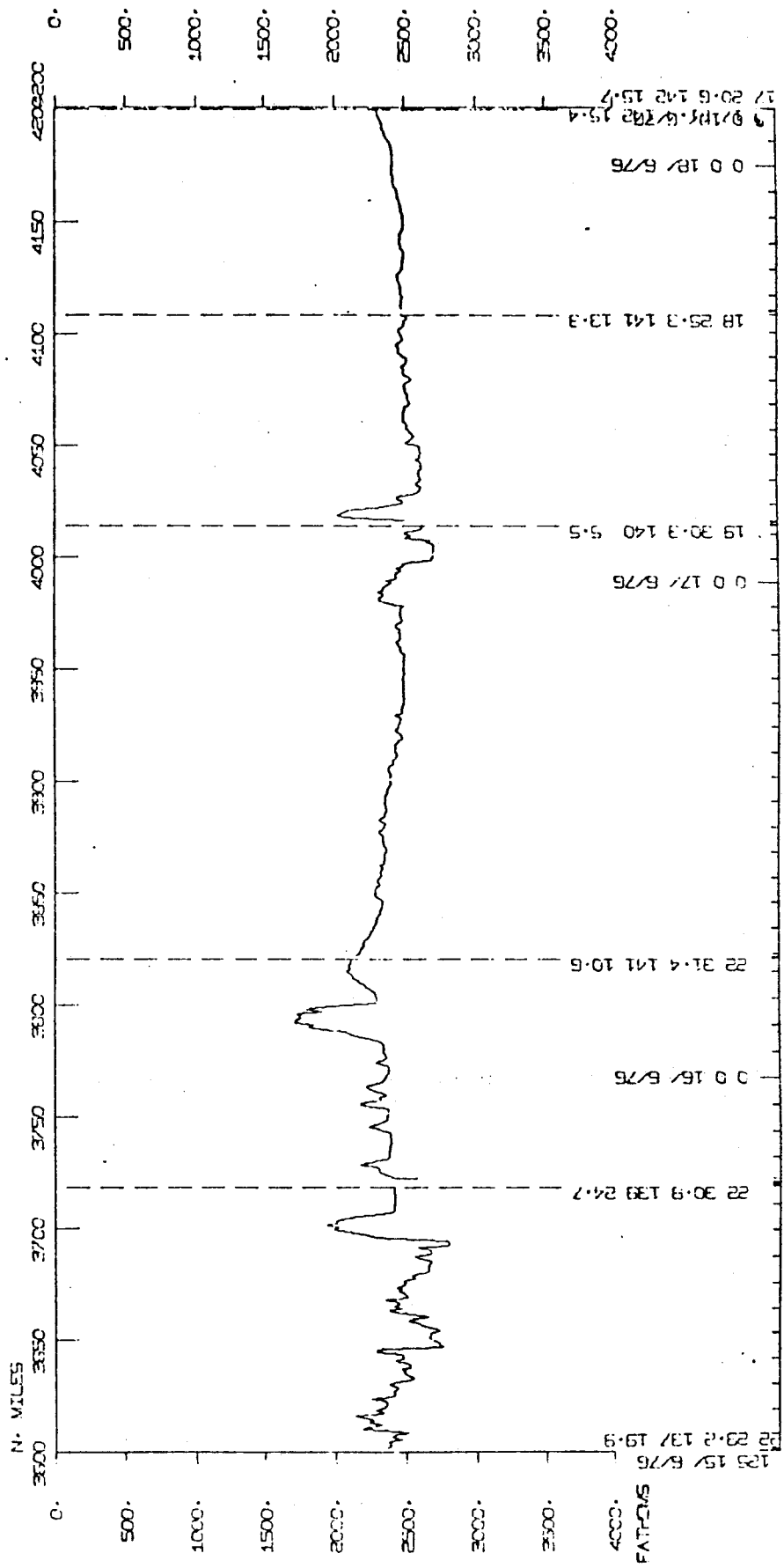
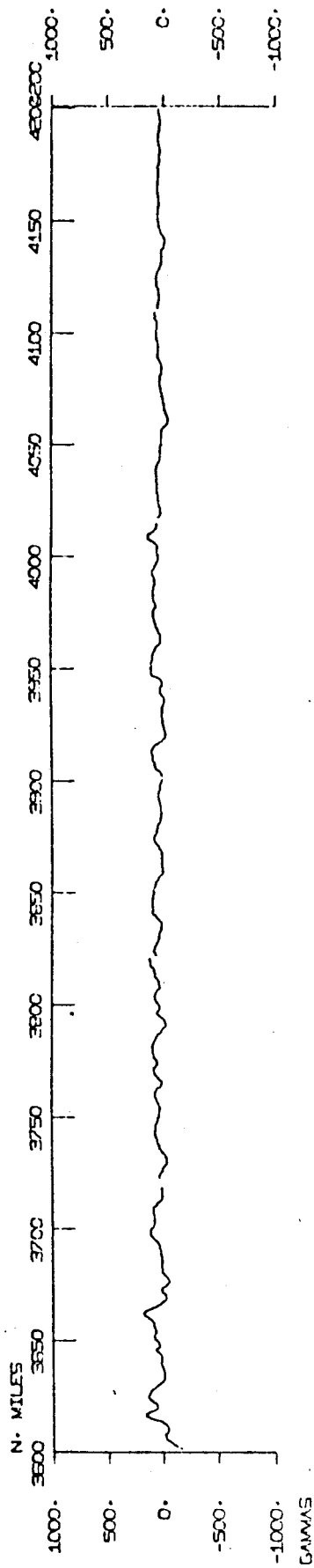


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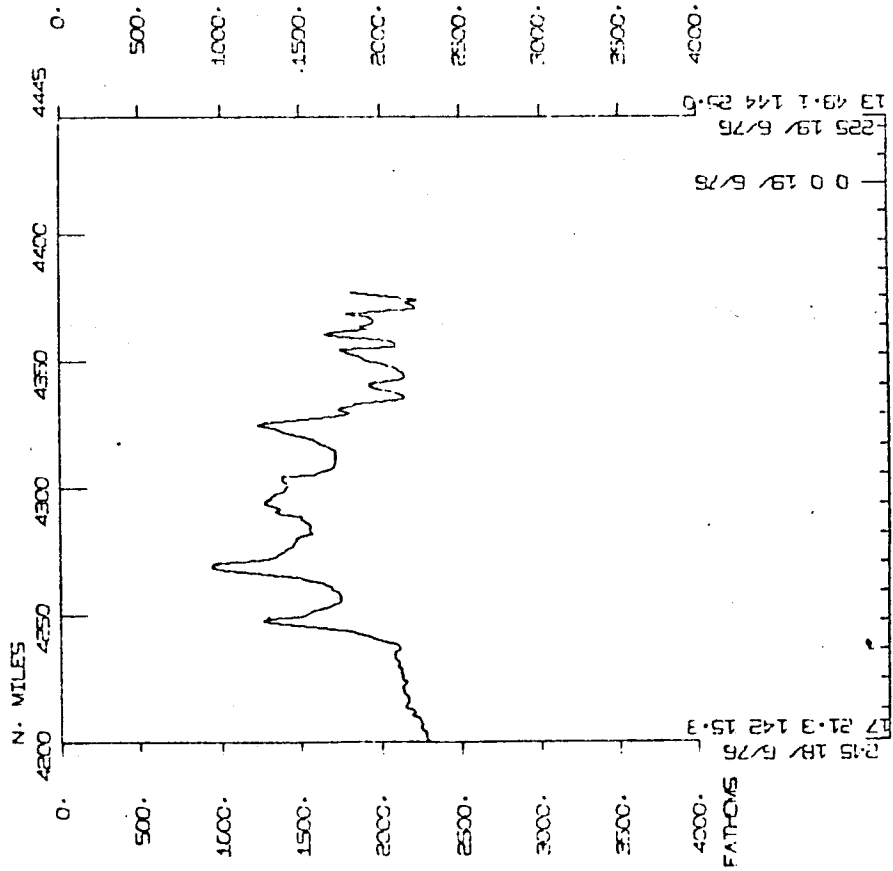
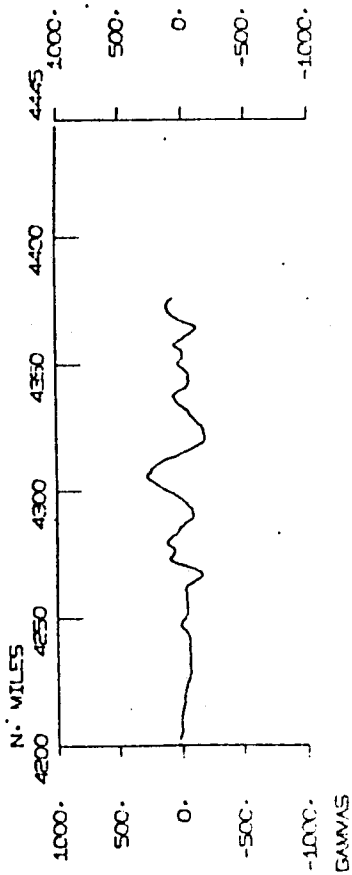


578 11/ 6/78  
 10 55.9 130 18.3  
 19 13.0 131 5.5  
 0 0 12/ 6/76  
 20 54.3 131 56.2  
 22 30.1 134 0.1  
 0 0 14/ 6/76  
 22 31.7 135 59.4  
 22 23.5 137 19.8  
 22 23.5 137 19.8

# INDOPAC LEG B



INDOPAC LEG 3



2.15 1R 15.3  
21.3 142 15.3  
0 0 19 6/78  
225 19 6/78  
13 49.1 144 21.0

SAMPLE INDEX  
INDOPAC EXPEDITION, LEG 3

## \*\*\*PURTS\*\*\*

807 25 576	LGPT E APRA HARBOR, GUAM	13 246N 144 343E F	INDP03WT
445 19 676	LGPT E APRA HARBOR, GUAM	13 246N 144 343E F	INDP03WT

## \*\*\*PERSONNEL\*\*\*

PECS	REID, J.	SIO <i>HLR</i>	INDP03WT
PERT	WILSON, R.	GTG	INDP03WT
PECT	ELSTON, M.	SCG	INDP03WT
PEET	KAYE, R.	DCP	INDP03WT
PEET	SINGLETON, J.	DCP	INDP03WT
PEMT	MUUS, D.	DCP	INDP03WT
PEMT	COSTELLO, J.	DCP	INDP03WT
PEMT	HESTER, A.	DCP	INDP03WT
PEMT	PATLA, S.	DCP	INDP03WT
PE	CONWAY, C.	DCP	INDP03WT
PE	MANTYLA, A.	DCP	INDP03WT
PE	MCKINNEY, B.	SIO	INDP03WT
PE	COLLINS, K.	NSF	INDP03WT

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

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

807	25	576		LBUR	B GEOPHYSICAL LOG BOOK	GDC	13	130N 144 195E	S INDP03WT
445	19	676		LBUR	E GEOPHYSICAL LOG BOOK	GDC	13	490N 144 251E	S INDP03WT

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

800	25	576		NVCP	B COMPUTER DR PLOT 01	GDC	13	130N 144 195E	S INDP03WT
1500	29	576		NVCP	E COMPUTER DR PLOT 01	GDC	13	2N 137 484E	S INDP03WT
1500	29	576		NVCP	B COMPUTER DR PLOT 02	GDC	13	2N 137 484E	S INDP03WT
2230	31	576		NVCP	E COMPUTER DR PLOT 02	GDC	12	597N 130 470E	S INDP03WT
2230	31	576		NVCP	B COMPUTER DR PLOT 03	GDC	12	597N 130 470E	S INDP03WT
2350	3	676		NVCP	E COMPUTER DR PLOT 03	GDC	15	138N 124 214E	S INDP03WT
2350	3	676		NVCP	B COMPUTER DR PLOT 04	GDC	15	138N 124 214E	S INDP03WT
230	10	676		NVCP	E COMPUTER DR PLOT 04	GDC	22	302N 127 163E	S INDP03WT
300	10	676		NVCP	B COMPUTER DR PLOT 05	GDC	22	310N 127 225E	S INDP03WT
1200	13	676		NVCP	E COMPUTER DR PLOT 05	GDC	22	312N 133 552E	S INDP03WT
1301	13	676		NVCP	B COMPUTER DR PLOT 06	GDC	22	303N 133 600E	S INDP03WT
800	17	676		NVCP	E COMPUTER DR PLOT 06	GDC	19	193N 140 214E	S INDP03WT
900	17	676		NVCP	B COMPUTER DR PLOT 07	GDC	19	122N 140 306E	S INDP03WT
500	19	676		NVCP	E COMPUTER DR PLOT 07	GDC	13	490N 144 251E	S INDP03WT
1850	26	576		NVBP	B BRIDGE PLOT 01	GDC	13	243N 144 327E	S INDP03WT
1350	30	576		NVBP	E BRIDGE PLOT 01	GDC	13	2N 134 144E	S INDP03WT
1510	30	576		NVBP	B BRIDGE PLOT 02	GDC	12	598N 133 594E	S INDP03WT
1356	4	676		NVBP	E BRIDGE PLOT 02	GDC	18	77N 124 67E	S INDP03WT
1356	4	676		NVBP	B BRIDGE PLOT 03	GDC	18	77N 124 67E	S INDP03WT
300	11	676		NVBP	E BRIDGE PLOT 03	GDC	21	229N 130 77E	S INDP03WT
152	9	676		NVBP	B BRIDGE PLOT 04	GDC	24	200N 125 153E	S INDP03WT
642	9	676		NVBP	E BRIDGE PLOT 04	GDC	24	11N 125 339E	S INDP03WT
258	11	676		NVBP	B BRIDGE PLOT 05	GDC	21	233N 130 75E	S INDP03WT
420	15	676		NVBP	E BRIDGE PLOT 05	GDC	22	292N 137 192E	S INDP03WT
429	15	676		NVBP	B BRIDGE PLOT 06	GDC	22	291N 137 194E	S INDP03WT
449	18	676		NVBP	E BRIDGE PLOT 06	GDC	17	212N 142 153E	S INDP03WT

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\*\*\*FATHIGRAMS \*\*\*

2155	25	576		DPR3 B	GDR 3.5KHZ R-01	GDC 11	404N	142 390E	S INDP03WT
1555	28	576		DPR3 E	GDR 3.5KHZ R-01	GDC 10	520N	140 105E	S INDP03WT
1603	28	576		DPR3 B	GDR 3.5KHZ R-02	GDC 10	520N	140 105E	S INDP03WT
1505	30	576		DPR3 E	GDR 3.5KHZ R-02	GDC 12	598N	133 597E	S INDP03WT
2118	30	576		DPR3 B	GDR 3.5KHZ R-03	GDC 12	591N	133 566E	S INDP03WT
2030	2	676		DPR3 E	GDR 3.5KHZ R-03	GDC 13	13N	125 374E	S INDP03WT
244	2	676		DPR3 B	GDR 3.5KHZ R-04	GDC 12	592N	127 406E	S INDP03WT
2145	4	676		DPR3 E	GDR 3.5KHZ R-04	GDC 19	395N	123 513E	S INDP03WT
514	5	676		DPR3 B	GDR 3.5KHZ R-05	GDC 19	382N	123 524E	S INDP03WT
1622	7	676		DPR3 E	GDR 3.5KHZ R-05	GDC 22	324N	123 340E	S INDP03WT
913	8	676		DPR3 B	GDR 3.5KHZ R-06	GDC 22	384N	124 209E	S INDP03WT
1312	10	676		DPR3 E	GDR 3.5KHZ R-06	GDC 22	262N	129 334E	S INDP03WT
2105	10	676		DPR3 B	GDR 3.5KHZ R-07	GDC 22	222N	129 376E	S INDP03WT
1230	13	676		DPR3 E	GDR 3.5KHZ R-07	GDC 22	301N	134 1E	S INDP03WT
2018	13	676		DPR3 B	GDR 3.5KHZ R-08	GDC 22	311N	134 5E	S INDP03WT
630	17	676		DPR3 E	GDR 3.5KHZ R-08	GDC 19	302N	140 80E	S INDP03WT
632	17	676		DPR3 B	GDR 3.5KHZ R-09	GDC 19	249N	140 83E	S INDP03WT
2007	18	676		DPR3 E	GDR 3.5KHZ R-09	GDC 14	491N	143 486E	S INDP03WT
2144	25	576		DPRT B	GDR 12KHZ R-01	GDC 11	419N	142 407E	S INDP03WT
1609	28	576		DPRT E	GDR 12KHZ R-01	GDC 10	520N	140 105E	S INDP03WT
1618	28	576		DPRT B	GDR 12KHZ R-02	GDC 10	519N	140 104E	S INDP03WT
1305	30	576		DPRT E	GDR 12KHZ R-02	GDC 13	7N	134 241E	S INDP03WT
1423	30	576		DPRT B	GDR 12KHZ R-03	GDC 13	1N	134 73E	S INDP03WT
2030	2	676		DPRT E	GDR 12KHZ R-03	GDC 13	13N	125 374E	S INDP03WT
251	2	676		DPRT B	GDR 12KHZ R-04	GDC 12	593N	127 391E	S INDP03WT
2145	4	676		DPRT E	GDR 12KHZ R-04	GDC 19	395N	123 513E	S INDP03WT
2345	4	676		DPRT B	GDR 12KHZ R-05	GDC 19	392N	123 523E	S INDP03WT
1945	7	676		DPRT E	GDR 12KHZ R-05	GDC 22	324N	124 168E	S INDP03WT
901	8	676		DPRT B	GDR 12KHZ R-06	GDC 22	372N	124 202E	S INDP03WT
306	11	676		DPRT E	GDR 12KHZ R-06	GDC 21	219N	130 82E	S INDP03WT
316	11	676		DPRT B	GDR 12KHZ R-07	GDC 21	201N	130 90E	S INDP03WT
1230	13	676		DPRT E	GDR 12KHZ R-07	GDC 22	301N	134 1E	S INDP03WT

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 CRUISE LFG-SHIP

TIME GMT	DATE D.M.Y.	TIME LUC	TZ LUC	SAMP CODE	SAMPLE IDENT.	DISP CODE	LAT.	LONG.		
2029	13	676		DPRT B	GDR 12KHZ R-08	GDC 22	310N	134 28E	S	INDP03WT
2151	16	676		DPRT E	GDR 12KHZ R-08	GDC 20	160N	140 207E	S	INDP03WT
2156	16	676		DPRT B	GDR 12KHZ R-09	GDC 20	152N	140 204E	S	INDP03WT
2017	18	676		DPRT E	GDR 12KHZ R-09	GDC 14	480N	143 494E	S	INDP03WT

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

225	27	576		MGR B	MAGNETICS R-01	GDC 12	261N	143 268E	S	INDP03WT
705	7	676		MGR E	MAGNETICS R-01	GDC 22	339N	123 61E	S	INDP03WT
1413	070676			MGR B	MAGNETICS R-02	GDC 22	260N	123 70E	F	INDP03WT
2009	180676			MGR E	MAGNETICS R-02	GDC 14	486N	143 489E	F	INDP03WT

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

807	25	576		GVR B	GRAVITYMETER R-01	LMD 13	130N	144 195E	S	INDP03WT
505	30	576		GVR E	GRAVITYMETER R-01	LMD 13	38N	136 43E	S	INDP03WT
510	30	576		GVR B	GRAVITYMETER R-02	LMD 13	37N	136 33E	S	INDP03WT
700	4	676		GVR E	GRAVITYMETER R-02	LMD 16	437N	124 111E	S	INDP03WT
706	4	676		GVR B	GRAVITYMETER R-03	LMD 16	449N	124 110E	S	INDP03WT
845	9	676		GVR E	GRAVITYMETER R-03	LMD 23	405N	125 502E	S	INDP03WT
848	9	676		GVR B	GRAVITYMETER R-04	LMD 23	400N	125 506E	S	INDP03WT
651	14	676		GVR E	GRAVITYMETER R-04	LMD 22	324N	135 592E	S	INDP03WT
0700	140676			GVR B	GRAVITYMETER R-05	LMD 22	324N	135 592E	F	INDP03WT
0445	190676			GVR E	GRAVITYMETER R-05	LMD 13	246N	144 343E	F	INDP03WT

\*\*\*HYDROGRAPHIC CAST\*\*\*

1255	27	576		HCFV B	FREE VEHICLE10920M	DCP 11	193N	142 121E	S	INDP03WT
1944	27	576		HCFV E	FREE VEHICLE10920M	DCP 11	199N	142 95E	S	INDP03WT

INVERTEBRATE BIOLOGY-CURATOR ABRAHAM FLEMINGER (EXT. 2071)

2318	4	676		DNIV	DIPNET SAMPLE 1	MIC 19	393N	123 520E	S	INDP03WT
109	5	676		DNIV	DIPNET SAMPLE 2	MIC 19	386N	123 527E	S	INDP03WT
200	5	676		DNIV	DIPNET SAMPLE 3	MIC 19	382N	123 528E	S	INDP03WT



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MARINE VERTEBRATE CURATOR - R.H.ROSENBLATT (EXT.2199)

416	5	676	DNVT	DIPNET SAMPLE 4	MIC	19 379N	123 528E	S INDP03WT
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\*\*\* OPEN NET \*\*\*

1950	10	676	ONIM B	0	MIC	22 260N	129 346E	S INDP03WT
2019	10	676	ONIM E	0	MIC	22 259N	129 351E	S INDP03WT

\*\*\* NEUSTON NET \*\*\*

2023	10	676	SNNU B	H	MIC	22 259N	129 352E	S INDP03WT
2033	10	676	SNNU E	H	MIC	22 259N	129 353E	S INDP03WT

\*\*\*SALINITY, TEMPERATURE, DEPTH\*\*\*

2216	27	576	TDDT	21 SH	50	1400M	S20	DGP	11	177N	142	114E	S	INDP03WT
1030	28	576	TDDT	22 DP	52	6000M	S20	DGP	10	517N	140	108E	S	INDP03WT
1523	28	576	TDDT	22 SH	54	1100M	S20	DGP	10	520N	140	107E	S	INDP03WT
454	29	576	TDDT	23 DP	55	5020M	S18	DGP	13	2N	138	590E	S	INDP03WT
833	29	576	TDDT	23 SH	57	650M	S18	DGP	12	596N	138	584E	S	INDP03WT
2206	29	576	TDDT	24 DP	58	5450M	S20	DGP	13	16N	136	299E	S	INDP03WT
218	30	576	TDDT	24 SH	60	515M	S15	DGP	13	32N	136	300E	S	INDP03WT
1517	30	576	TDDT	25 DP	61	5000M	S18	DGP	12	596N	133	591E	S	INDP03WT
1926	30	576	TDDT	25 SH	63	1000M	S17	DGP	12	592N	133	581E	S	INDP03WT
421	31	576	TDDT	26 DP	64	5700M	S20	DGP	13	6N	132	288E	S	INDP03WT
816	31	576	TDDT	26 SH	66	600M	S16	DGP	13	10N	132	279E	S	INDP03WT
1719	31	576	TDDT	27 DP	67	5900M	S20	DGP	12	594N	130	492E	S	INDP03WT
2251	31	576	TDDT	27 SH	69	1000M	S16	DGP	12	597N	130	469E	S	INDP03WT
827	1	676	TDDT	28 DP	70	5655M	S20	DGP	13	5N	128	593E	S	INDP03WT
1400	1	676	TDDT	28 SH	74	955M	S20	DGP	13	13N	128	582E	S	INDP03WT
2028	1	676	TDDT	29 DP	75	5400M	S20	DGP	12	596N	127	439E	S	INDP03WT
148	2	676	TDDT	29 SH	78	800M	S17	DGP	12	592N	127	423E	S	INDP03WT
739	2	676	TDDT	30 DP	79	5310M	S18	DGP	12	596N	126	400E	S	INDP03WT
1219	2	676	TDDT	30 SH	81	800M	S18	DGP	12	589N	126	396E	S	INDP03WT
1813	2	676	TDDT	31 DP	83	6000M	S20	DGP	13	6N	125	376E	S	INDP03WT
2356	2	676	TDDT	31 SH	85	850M	S18	DGP	13	16N	125	369E	S	INDP03WT
326	3	676	TDDT	32 DP	86	3100M	S16	DGP	13	151N	125	40E	S	INDP03WT
720	3	676	TDDT	32 SH	88	455M	S13	DGP	13	159N	125	75E	S	INDP03WT
1044	3	676	TDDT	33	89	2025M	S19	DGP	13	255N	124	523E	S	INDP03WT
1627	3	676	TDDT	34	91	1025M	S17	DGP	14	20N	124	351E	S	INDP03WT
2146	4	676	TDDT	35 DP	93	5500M	S19	DGP	19	395N	123	513E	S	INDP03WT
349	5	676	TDDT	35 SH	94	1000M	S17	DGP	19	380N	123	528E	S	INDP03WT
1047	5	676	TDDT	36 DP	95	5142M	S19	DGP	19	595N	123	124E	S	INDP03WT
1451	5	676	TDDT	36 SH	96	1094M	S18	DGP	19	598N	123	141E	S	INDP03WT
24	6	676	TDDT	37 DP	97	3200M	S16	DGP	20	196N	122	208E	S	INDP03WT
245	6	676	TDDT	37 SH	98	660M	S16	DGP	20	210N	122	212E	S	INDP03WT

TIME GMT	DATE D.M.Y.	TIME LOC	TZ LOC	SAMP CODE	SAMPLE IDENT.	DISP CODE	LAT.	LONG.	CRUISE LFG-SHIP
1322	6	676		TUOT	38 DP 99 3770M S18	DCP 22	218N	121 375E	S INDP03WT
1709	6	676		TUOT	38 SH 100 555M S13	DCP 22	219N	121 371E	S INDP03WT
2042	6	676		TUOT	39 DP 101 4820M S18	DCP 22	327N	122 108E	S INDP03WT
140	7	676		TUOT	39 SH 103 525M S14	DCP 22	353N	122 113E	S INDP03WT
717	7	676		TUOT	40 DP 104 5620M S20	DCP 22	344N	123 65E	S INDP03WT
1313	7	676		TUOT	40 SH 105 745M S17	DCP 22	355N	123 62E	S INDP03WT
257	8	676		TUOT	41 DP 106 5750M S20	DCP 22	363N	124 191E	S INDP03WT
745	8	676		TUOT	41 SH 107 950M S19	DCP 22	368N	124 196E	S INDP03WT
1236	8	676		TUOT	42 DP 108 6000M S20	DCP 23	144N	124 412E	S INDP03WT
1839	8	676		TUOT	42 SH 109 800M S16	DCP 23	144N	124 439E	S INDP03WT
151	9	676		TUOT	43 110 1500M S22	DCP 24	200N	125 153E	S INDP03WT
344	9	676		TUOT	43 112 1500M S 0	DCP 24	202N	125 160E	S INDP03WT
1521	9	676		TUOT	44 114 5950M S20	DCP 22	292N	126 330E	S INDP03WT
2131	9	676		TUOT	44 SH 115 1005M S17	DCP 22	273N	126 316E	S INDP03WT
1329	10	676		TUOT	45 DP 116 6000M S20	DCP 22	260N	129 349E	S INDP03WT
1843	10	676		TUOT	45 SH 117 800M S16	DCP 22	261N	129 342E	S INDP03WT
1533	11	676		TUOT	46 DP 118 5875M S19	DCP 19	190N	131 57E	S INDP03WT
2116	11	676		TUOT	46 SH 119 855M S16	DCP 19	203N	131 51E	S INDP03WT
703	12	676		TUOT	47 DP 120 5920M S20	DCP 20	544N	131 562E	S INDP03WT
1211	12	676		TUOT	47 SH 121 900M S16	DCP 20	554N	131 562E	S INDP03WT
2142	12	676		TUOT	48 DP 122 5500M S20	DCP 22	302N	132 274E	S INDP03WT
258	13	676		TUOT	48 SH 123 980M S18	DCP 22	304N	132 270E	S INDP03WT
1238	13	676		TUOT	49 DP 124 5400M S20	DCP 22	302N	134 2E	S INDP03WT
1850	13	676		TUOT	49 SH 125 750M S16	DCP 22	306N	133 595E	S INDP03WT
608	14	676		TUOT	50 DP 126 5225M S20	DCP 22	319N	135 594E	S INDP03WT
1147	14	676		TUOT	50 SH 127 610M S17	DCP 22	326N	135 581E	S INDP03WT
2335	14	676		TUOT	51 DP 128 4460M S17	DCP 22	295N	137 198E	S INDP03WT
335	15	676		TUOT	51 SH 129 620M S16	DCP 22	291N	137 193E	S INDP03WT
1647	15	676		TUOT	52 DP 131 4450M S16	DCP 22	319N	139 245E	S INDP03WT
1856	15	676		TUOT	52 SH 132 855M S16	DCP 22	327N	139 251E	S INDP03WT
434	16	676		TUOT	53 DP 133 4000M S16	DCP 22	315N	141 108E	S INDP03WT
232	17	676		TUOT	54 134 4705M S24	DCP 19	305N	140 54E	S INDP03WT
1451	17	676		TUOT	55 136 4500M S24	DCP 18	254N	141 132E	S INDP03WT
215	18	676		TUOT	56 138 4100M S24	DCP 17	214N	142 153E	S INDP03WT

## \*\*\*HYDROGRAPHIC CAST\*\*\*

1500	27	576		HCNA	TSON	21 MD	DCP 11	198N	142 111E	S INDP03WT
1806	27	576		HCNA	TSON	21 DP	DCP 11	200N	142 98E	S INDP03WT
2310	27	576		HCNA	TSON	21 SH	DCP 11	176N	142 111E	S INDP03WT
1034	28	576		HCNA	TSON	22 DP	DCP 10	517N	140 108E	S INDP03WT
1527	28	576		HCNA	TSON	22 SH	DCP 10	520N	140 107E	S INDP03WT
625	29	576		HCNA	TSON	23 DP	DCP 12	595N	138 590E	S INDP03WT
855	29	576		HCNA	TSON	23 SH	DCP 12	598N	138 583E	S INDP03WT
2344	29	576		HCNA	TSON	24 DP	DCP 13	26N	136 292E	S INDP03WT
239	30	576		HCNA	TSON	24 SH	DCP 13	34N	136 299E	S INDP03WT
1759	30	576		HCNA	TSON	25 DP	DCP 12	593N	133 586E	S INDP03WT
2037	30	576		HCNA	TSON	25 SH	DCP 12	592N	133 577E	S INDP03WT
423	31	576		HCNA	TSON	26 DP	DCP 13	6N	132 288E	S INDP03WT
823	31	576		HCNA	TSON	26 SH	DCP 13	10N	132 280E	S INDP03WT
1935	31	576		HCNA	TSON	27 DP	DCP 12	591N	130 477E	S INDP03WT
2320	31	576		HCNA	TSON	27 SH	DCP 12	598N	130 467E	S INDP03WT

TIME		DATE		TIME	TZ	SAMP	SAMPLE IDENT.		DISP	20JUL76		PAGE	7
GMT	D.	M.	Y.	LUC	LUC	CODE			CODE	LAT.	LONG.	CRUISE	LFG-SHIP
828	1	6	76			HCNA	TS0N	28 DP	DCP 13	5N	128 592E	S	INDP03WT
1319	1	6	76			HCNA	TS0N	28 SH	DCP 13	13N	128 585E	S	INDP03WT
2226	1	6	76			HCNA	TS0N	29 DP	DCP 12	595N	127 451E	S	INDP03WT
211	2	6	76			HCNA	TS0N	29 SH	DCP 12	592N	127 421E	S	INDP03WT
742	2	6	76			HCNA	TS0N	30 DP	DCP 12	596N	126 400E	S	INDP03WT
1220	2	6	76			HCNA	TS0N	30 SH	DCP 12	589N	126 396E	S	INDP03WT
2032	2	6	76			HCNA	TS0N	31 DP	DCP 13	13N	125 375E	S	INDP03WT
37	3	6	76			HCNA	TS0N	31 SH	DCP 13	20N	125 343E	S	INDP03WT
333	3	6	76			HCNA	TS0N	32 DP	DCP 13	153N	125 400E	S	INDP03WT
723	3	6	76			HCNA	TS0N	32 SH	DCP 13	159N	125 75E	S	INDP03WT
1200	3	6	76			HCNA	TS	33	DCP 13	259N	124 515E	S	INDP03WT
1630	3	6	76			HCNA	TS0N	34	DCP 14	21N	124 350E	S	INDP03WT
10	5	6	76			HCNA	TS0N	35 DP	DCP 19	391N	123 524E	S	INDP03WT
428	5	6	76			HCNA	TS0N	35 SH	DCP 19	378N	123 531E	S	INDP03WT
1047	5	6	76			HCNA	TS0N	36 DP	DCP 19	598N	123 124E	S	INDP03WT
1451	5	6	76			HCNA	TS0N	36 SH	DCP 19	598N	123 141E	S	INDP03WT
113	6	6	76			HCNA	TS0N	37 DP	DCP 20	203N	122 209E	S	INDP03WT
308	6	6	76			HCNA	TS0N	37 SH	DCP 20	212N	122 213E	S	INDP03WT
1328	6	6	76			HCNA	TS0N	38 DP	DCP 22	218N	121 375E	S	INDP03WT
1715	6	6	76			HCNA	TS0N	38 SH	DCP 22	219N	121 370E	S	INDP03WT
2223	6	6	76			HCNA	TS0N	39 DP	DCP 22	336N	122 110E	S	INDP03WT
203	7	6	76			HCNA	TS0N	39 SH	DCP 22	357N	122 116E	S	INDP03WT
717	7	6	76			HCNA	TS0N	40 DP	DCP 22	344N	123 65E	S	INDP03WT
1316	7	6	76			HCNA	TS0N	40 SH	DCP 22	355N	123 62E	S	INDP03WT
448	8	6	76			HCNA	TS0N	41 DP	DCP 22	365N	124 193E	S	INDP03WT
817	8	6	76			HCNA	TS0N	41 SH	DCP 22	369N	124 199E	S	INDP03WT
1243	8	6	76			HCNA	TS0N	42 DP	DCP 23	144N	124 412E	S	INDP03WT
1843	8	6	76			HCNA	TS0N	42 SH	DCP 23	144N	124 439E	S	INDP03WT
245	9	6	76			HCNA	TS0N	43	DCP 24	200N	125 155E	S	INDP03WT
1533	9	6	76			HCNA	TS0N	44 DP	DCP 22	292N	126 329E	S	INDP03WT
2137	9	6	76			HCNA	TS0N	44 SH	DCP 22	273N	126 316E	S	INDP03WT
1532	10	6	76			HCNA	TS0N	45 DP	DCP 22	263N	129 346E	S	INDP03WT
1909	10	6	76			HCNA	TS0N	45 SH	DCP 22	261N	129 342E	S	INDP03WT
1543	11	6	76			HCNA	TS0N	46 DP	DCP 19	190N	131 57E	S	INDP03WT
2124	11	6	76			HCNA	TS0N	46 SH	DCP 19	204N	131 51E	S	INDP03WT
848	12	6	76			HCNA	TS0N	47 DP	DCP 20	548N	131 563E	S	INDP03WT
1243	12	6	76			HCNA	TS0N	47 SH	DCP 20	557N	131 563E	S	INDP03WT
2143	12	6	76			HCNA	TS0N	48 DP	DCP 22	302N	132 274E	S	INDP03WT
305	13	6	76			HCNA	TS0N	48 SH	DCP 22	304N	132 269E	S	INDP03WT
1438	13	6	76			HCNA	TS0N	49 DP	DCP 22	307N	133 598E	S	INDP03WT
1927	13	6	76			HCNA	TS0N	49 SH	DCP 22	309N	133 594E	S	INDP03WT
614	14	6	76			HCNA	TS0N	50 DP	DCP 22	321N	135 593E	S	INDP03WT
1153	14	6	76			HCNA	TS0N	50 SH	DCP 22	326N	135 581E	S	INDP03WT
105	15	6	76			HCNA	TS0N	51 DP	DCP 22	292N	137 199E	S	INDP03WT
356	15	6	76			HCNA	TS0N	51 SH	DCP 22	292N	137 191E	S	INDP03WT
1444	15	6	76			HCNA	TS0N	52 DP	DCP 22	309N	139 247E	S	INDP03WT
1858	15	6	76			HCNA	TS0N	52 SH	DCP 22	327N	139 252E	S	INDP03WT
818	16	6	76			HCNA	TS0N	53 SH	DCP 22	314N	141 117E	S	INDP03WT
549	16	6	76			HCNA	TS0N	53 DP	DCP 22	315N	141 111E	S	INDP03WT
232	17	6	76			HCNA	TS0N	54	DCP 19	305N	140 54E	S	INDP03WT
1616	17	6	76			HCNA	TS0N	55	DCP 18	263N	141 141E	S	INDP03WT
216	18	6	76			HCNA	TS0N	56	DCP 17	214N	142 153E	S	INDP03WT

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 CRUISE  
 LFG-SHIP

TIME GMT	DATE D.M.Y.	TIME LUC	TZ LUC	SAMP CODE	SAMPLE IDENT.	DISP CODE	LAT.	LONG.	LFG-SHIP
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\*\*\*BATHYTHEKNOGRAPH\*\*\* CURATOR CAROL CONWAY (EXT.3368)

0 25 576	HTX	NO. SAMPLES = 8	DCP 13	130N	144	195E	S	INDP03WT
0 26 576	HTX	NO. SAMPLES = 2	DCP 11	348N	142	308E	S	INDP03WT
0 27 576	HTX	NO. SAMPLES = 4	DCP 12	450N	143	468E	S	INDP03WT
0 28 576	HTX	NO. SAMPLES = 8	DCP 11	177N	142	100E	S	INDP03WT
0 29 576	HTX	NO. SAMPLES = 7	DCP 12	81N	139	230E	S	INDP03WT
0 30 576	HTX	NO. SAMPLES = 9	DCP 13	27N	136	290E	S	INDP03WT
0 31 576	HTX	NO. SAMPLES = 8	DCP 12	596N	133	217E	S	INDP03WT
0 1 676	HTX	NO. SAMPLES = 9	DCP 12	600N	130	445E	S	INDP03WT
0 2 676	HTX	NO. SAMPLES = 9	DCP 12	594N	127	428E	S	INDP03WT
0 3 676	HTX	NO. SAMPLES = 10	DCP 13	17N	125	368E	S	INDP03WT
0 4 676	HTX	NO. SAMPLES = 10	DCP 15	158N	124	210E	S	INDP03WT
0 5 676	HTX	NO. SAMPLES = 13	DCP 19	391N	123	523E	S	INDP03WT
0 6 676	HTX	NO. SAMPLES = 12	DCP 20	197N	122	207E	S	INDP03WT
0 7 676	HTX	NO. SAMPLES = 16	DCP 22	344N	122	112E	S	INDP03WT
0 8 676	HTX	NO. SAMPLES = 12	DCP 22	348N	124	186E	S	INDP03WT
0 9 676	HTX	NO. SAMPLES = 14	DCP 24	4N	125	83E	S	INDP03WT
0 10 676	HTX	NO. SAMPLES = 16	DCP 22	272N	126	458E	S	INDP03WT
0 11 676	HTX	NO. SAMPLES = 10	DCP 21	524N	129	545E	S	INDP03WT
0 12 676	HTX	NO. SAMPLES = 7	DCP 19	368N	131	132E	S	INDP03WT
0 13 676	HTX	NO. SAMPLES = 5	DCP 22	305N	132	268E	S	INDP03WT
0 12 676	HTX	NO. SAMPLES = 12	DCP 19	368N	131	132E	S	INDP03WT
0 15 676	HTX	NO. SAMPLES = 13	DCP 22	295N	137	198E	S	INDP03WT
0 16 676	HTX	NO. SAMPLES = 13	DCP 22	336N	140	139E	S	INDP03WT
0 17 676	HTX	NO. SAMPLES = 9	DCP 19	542N	140	132E	S	INDP03WT
0 18 676	HTX	NO. SAMPLES = 18	DCP 17	374N	141	579E	S	INDP03WT

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END SAMPLE INDEX