INFORMAL REPORT AND INDEX OF

NAVIGATION AND DEPTH DATA

(Issued April 1990)

HYDROS EXPEDITION

LEG 3

==========

R/V Melville

Capetown, South Africa (23 January 1989)
to
Montevideo, Uruguay (8 March 1989)

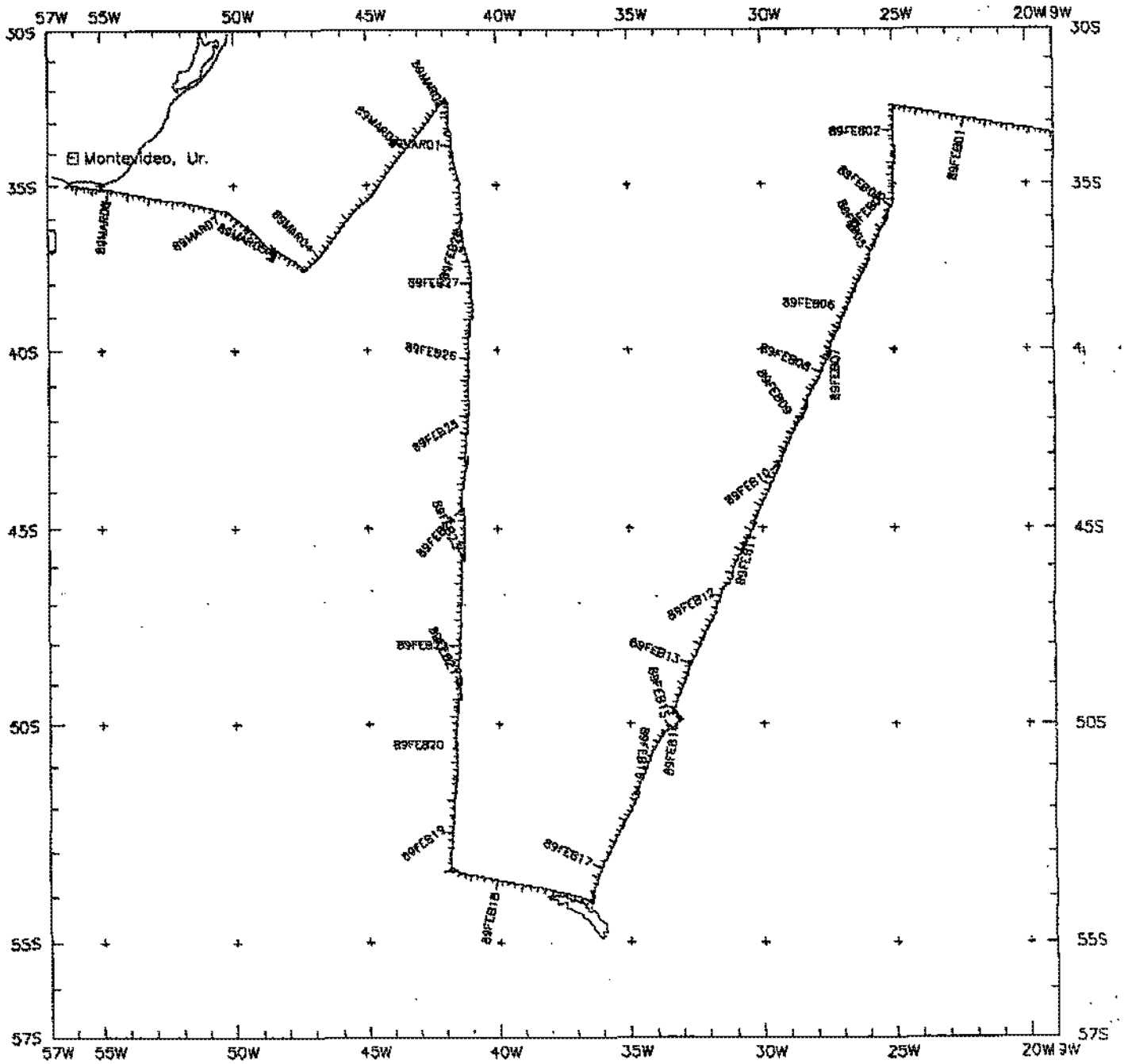
Chief Scientist - B. Smithie (Lamont-Doherty)

Resident Marine Technician - R. Comer

Post-Cruise Processing and Report Preparation
by Geological Data Center, Scripps Institution of Oceanography

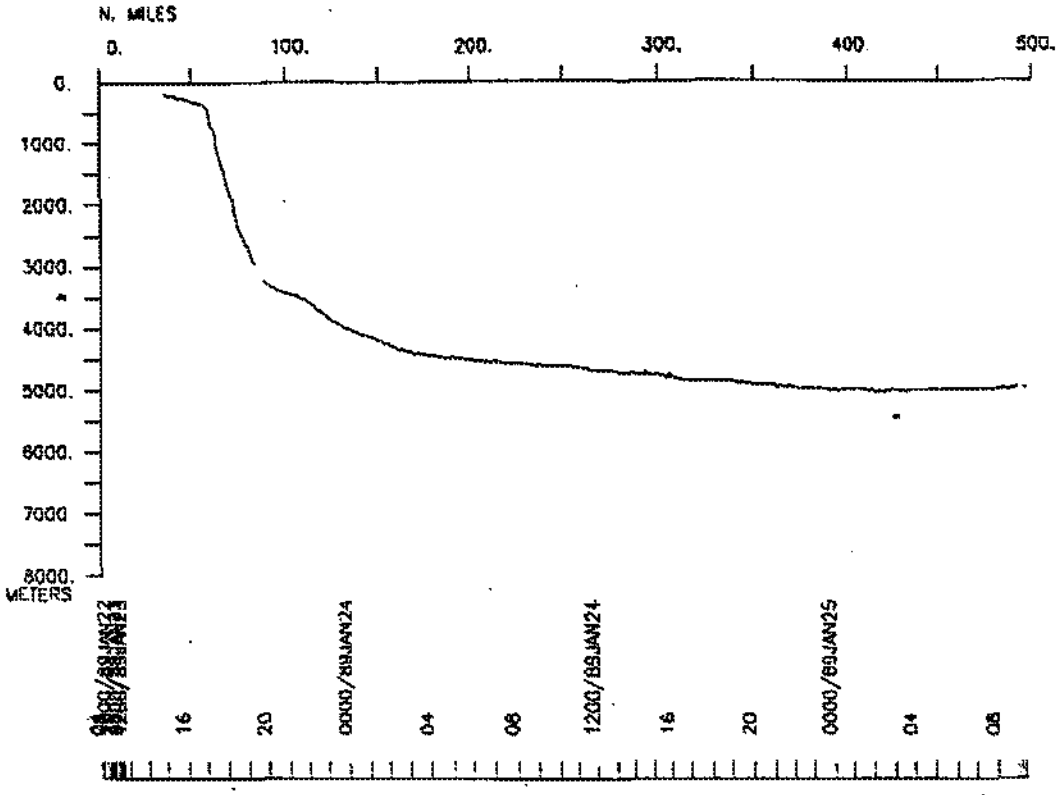
Data Collection and Processing Funded by
NSF Grant Number OCE86-16368

GDC Cruise I.D.# 244



HYDROS LEG 3 (HYDR03MV)

Track 2 of 2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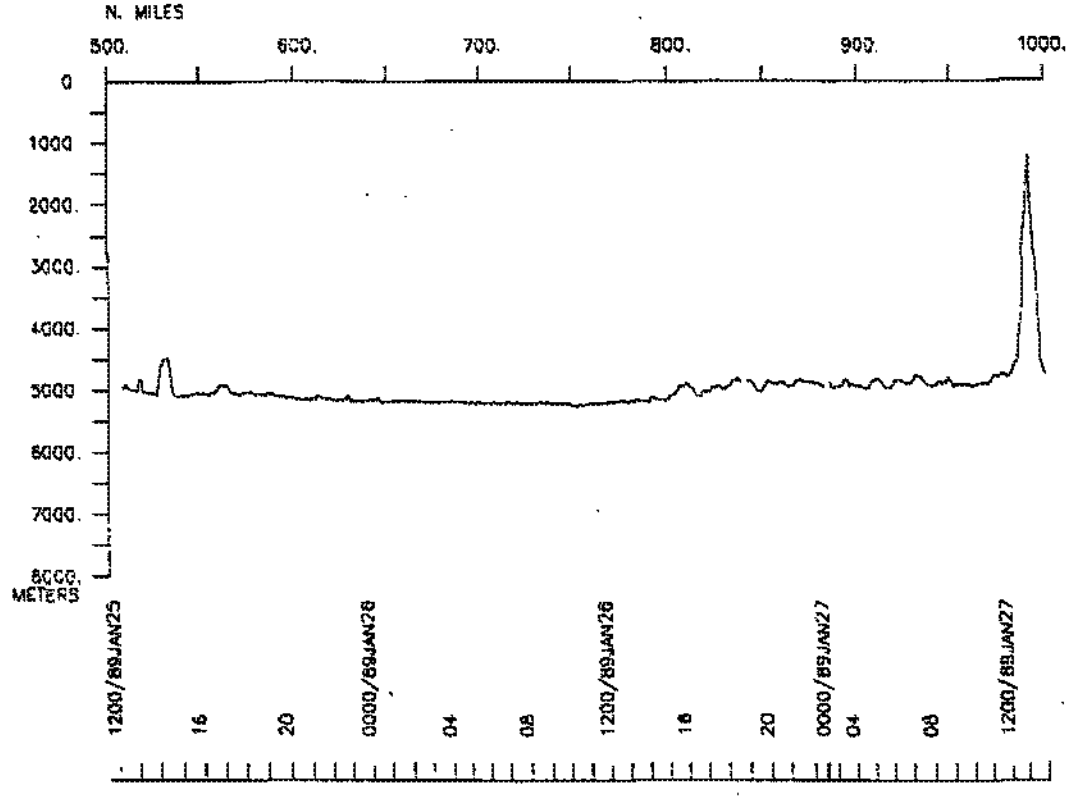
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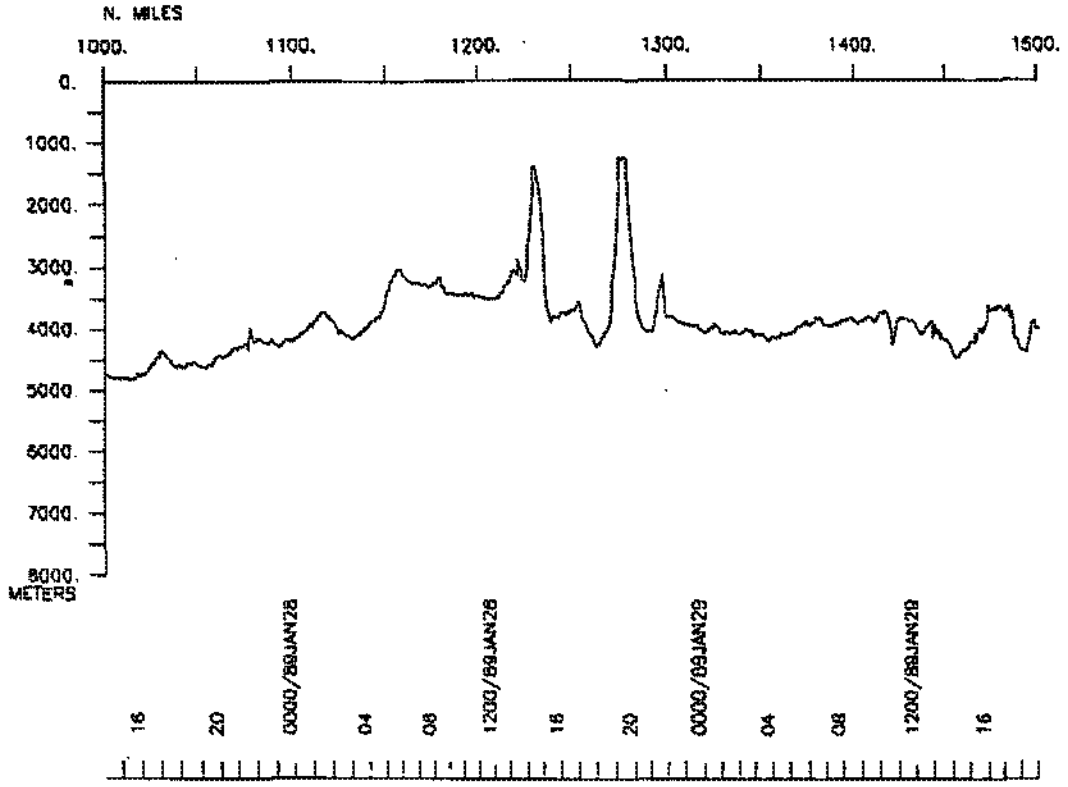
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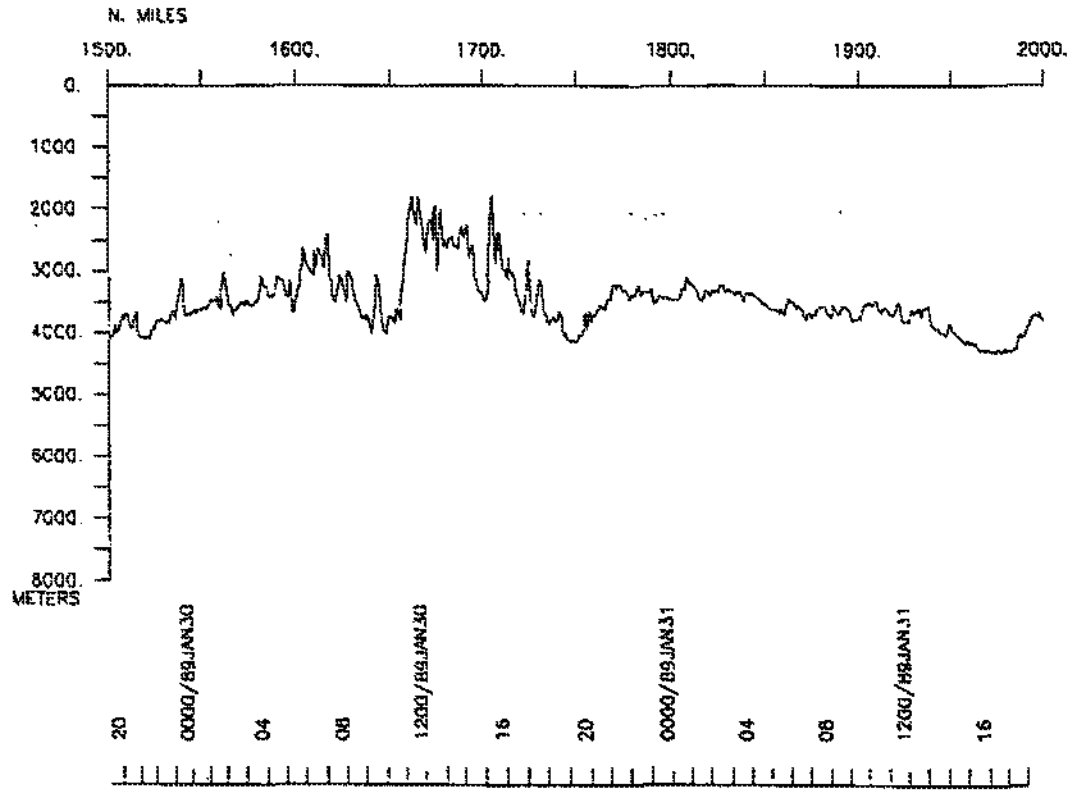
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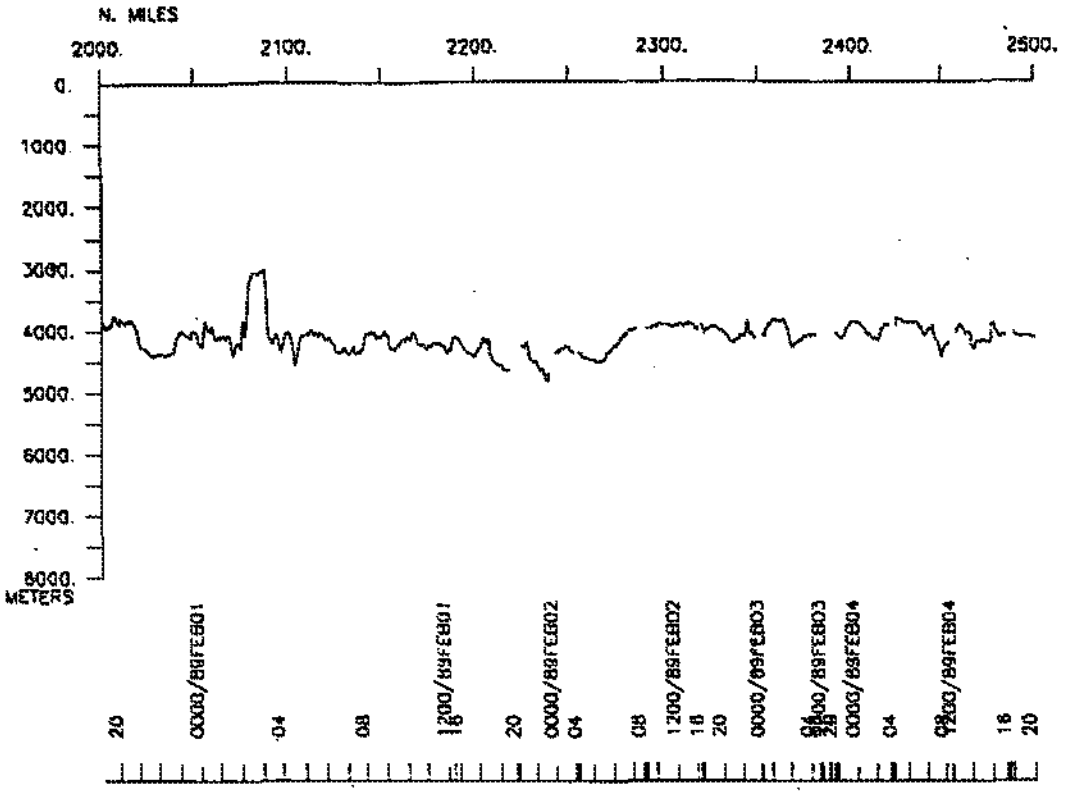
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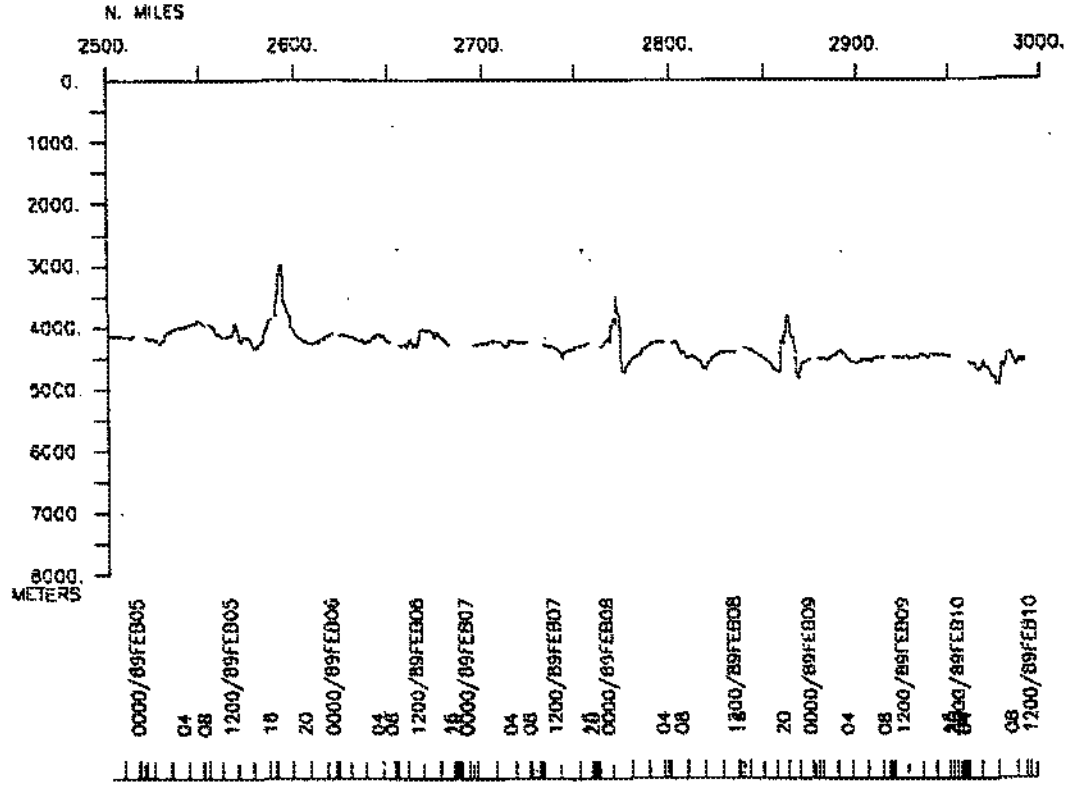
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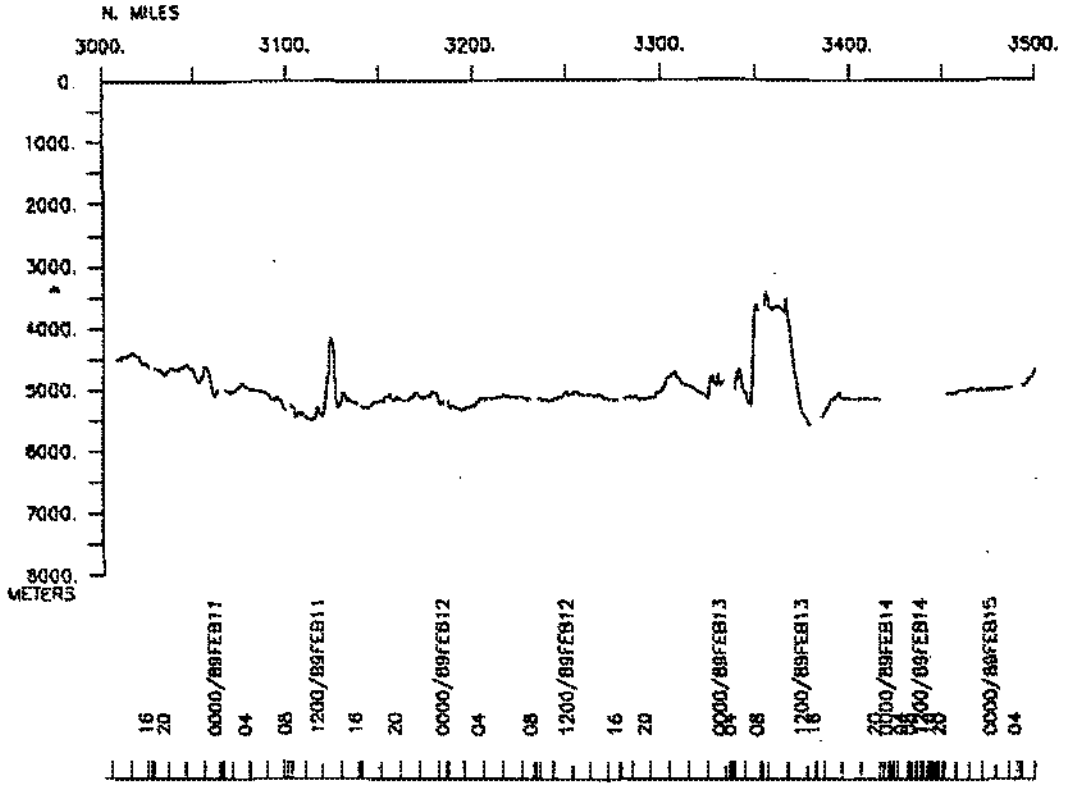
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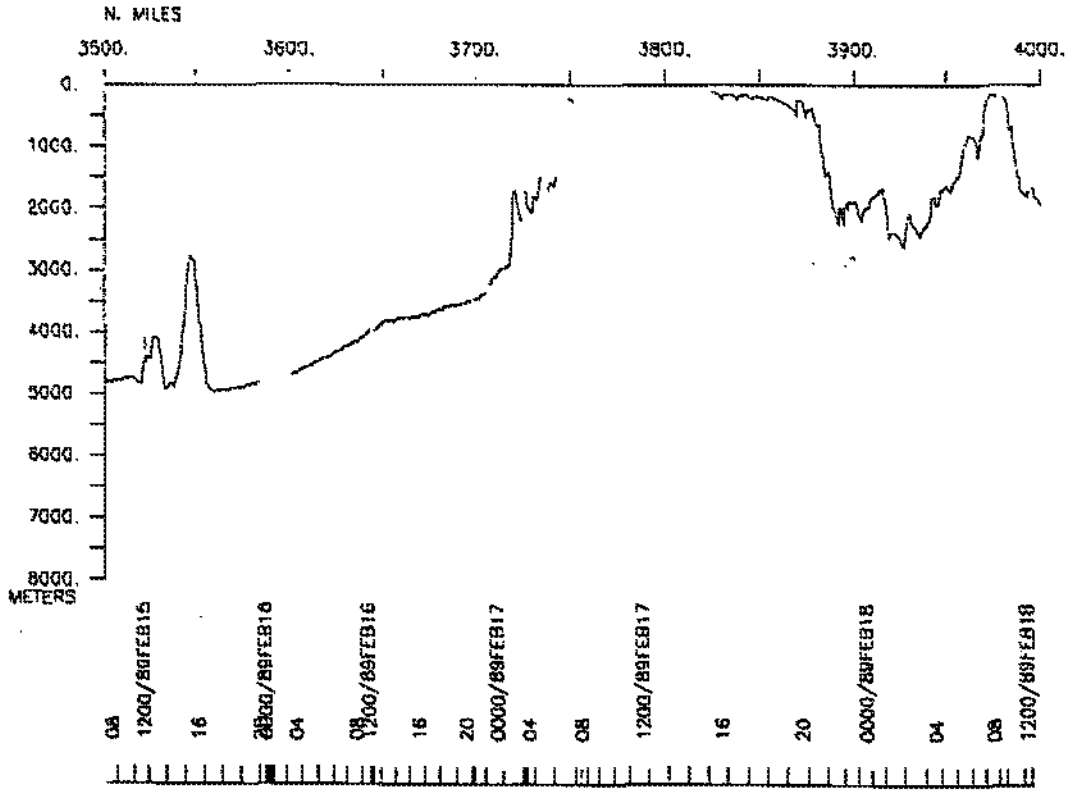
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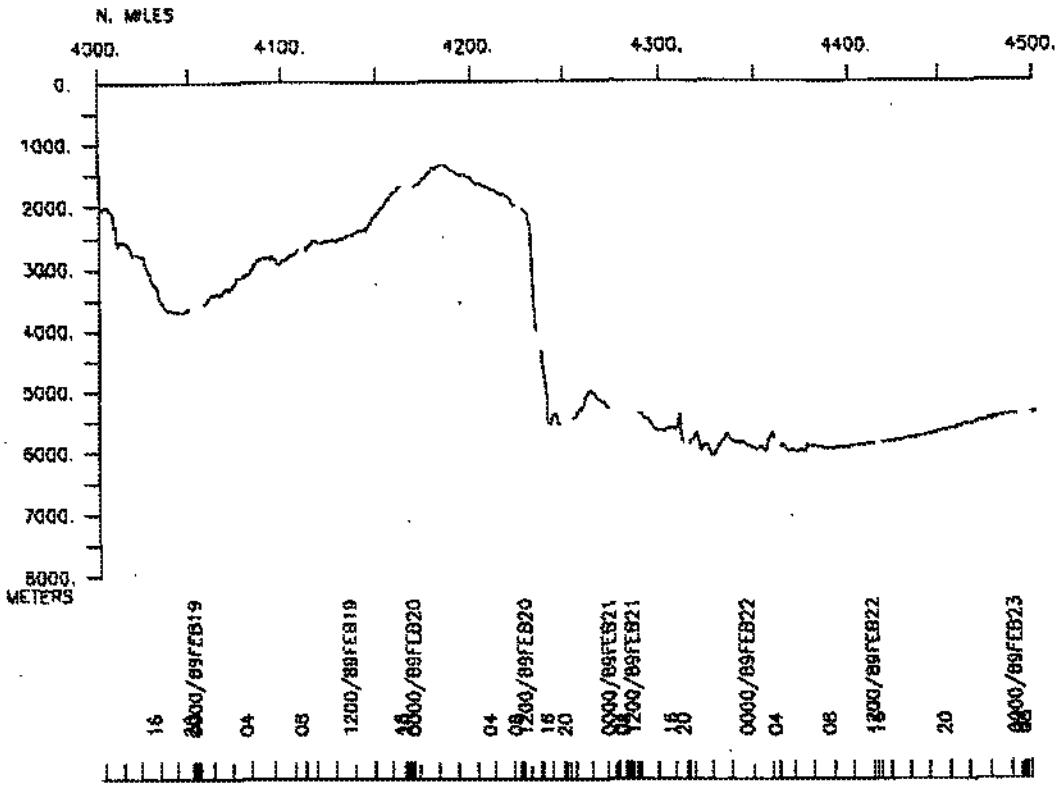
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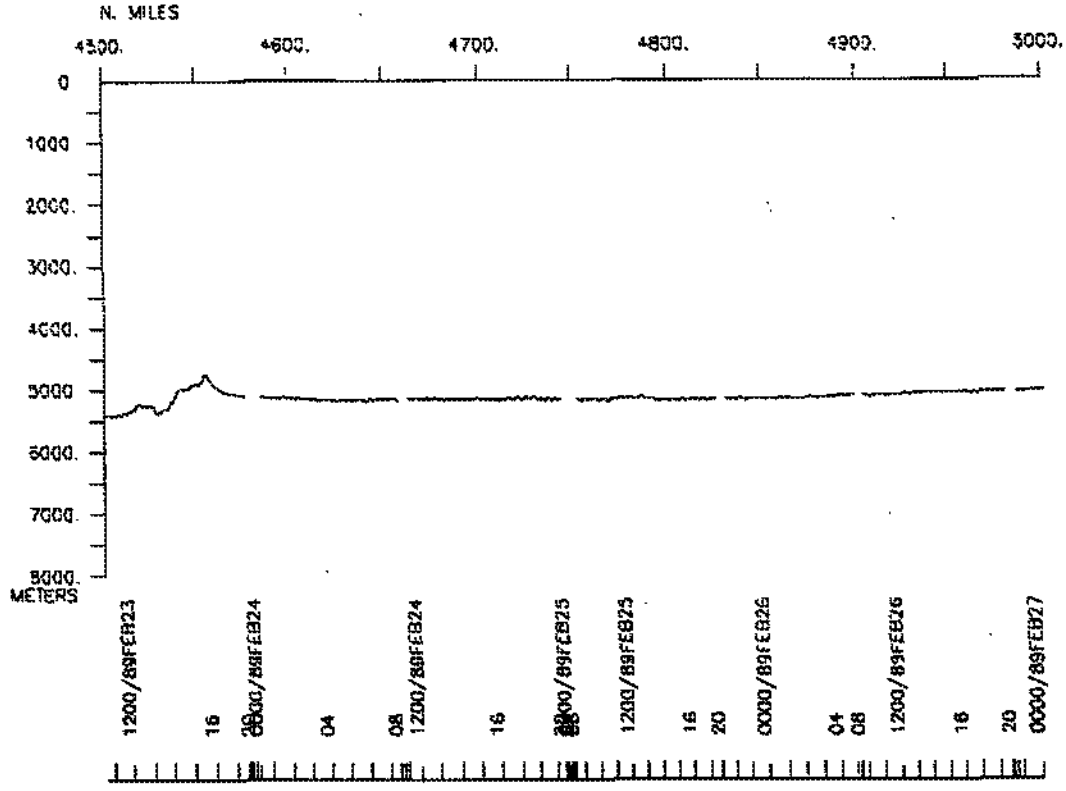
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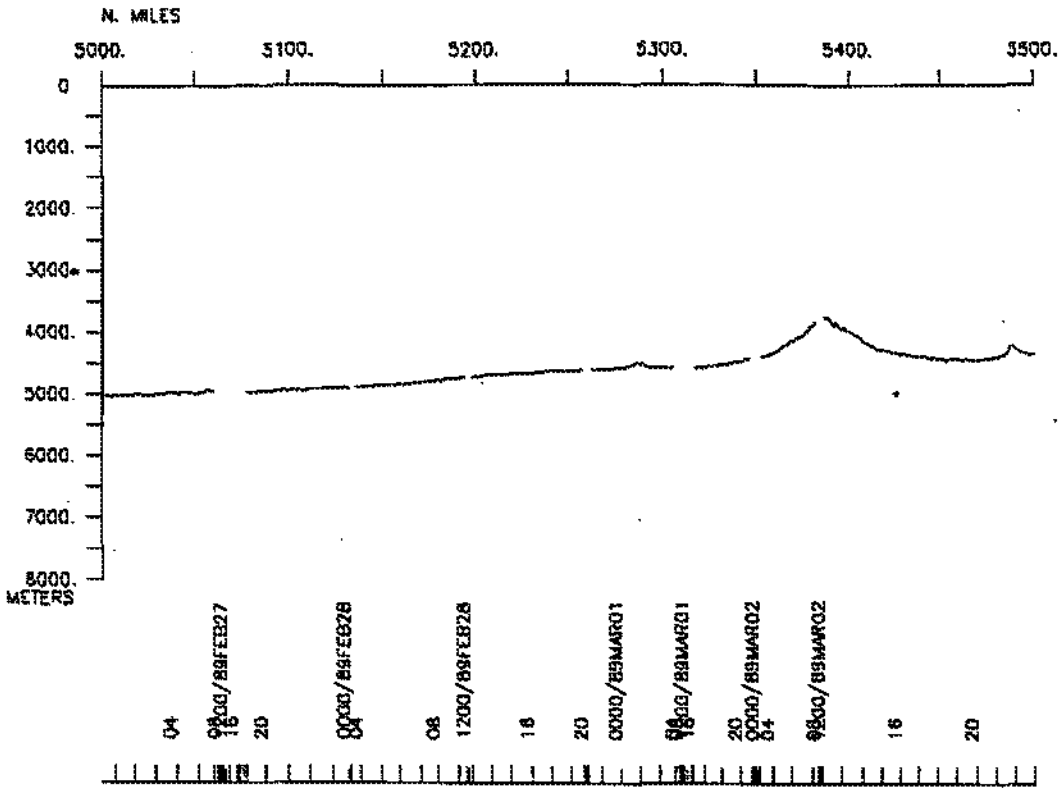
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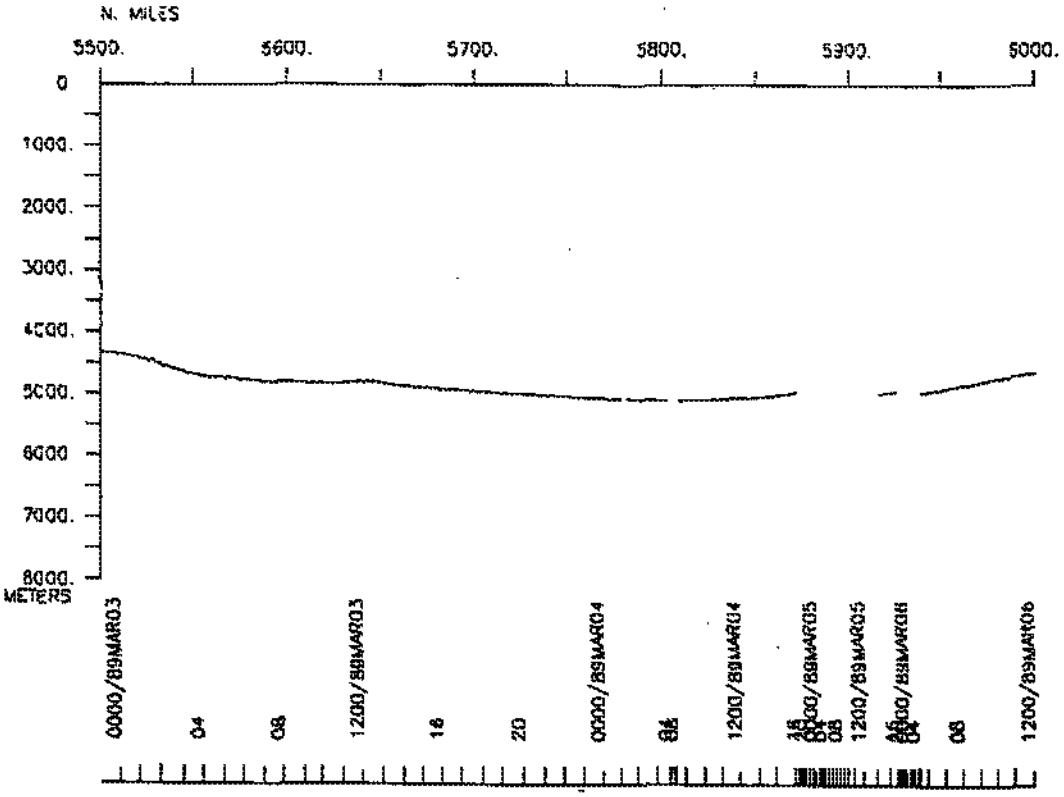
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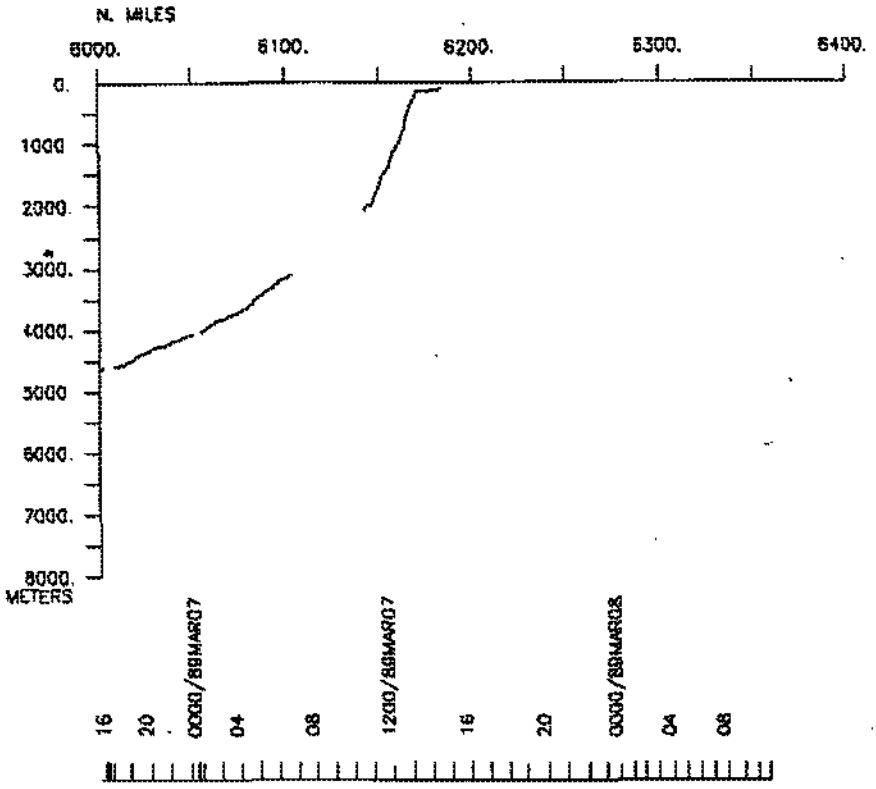
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S.I.O. SAMPLE INDEX

(Issued April 1990)

HYDROS EXPEDITION

Leg 3

R/V Melville

Capetown, South Africa (23 January 1989)
to
Montevideo, Uruguay (8 March 1989)

Chief Scientist - B. Smithie

Lamont-Doherty Oceanographic Institution

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 marine 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 lines. Disposition and sample type are represented by three and four character codes to permit further computer searches on these parameters. (Listings defining these codes are available from the Geological Data Center.)

GDC Cruise I.D.# 244

#*** PORTS ***

1200 230189	LGPT B CAPETOWN, SO. AFRICA	33-54 S	18-26 E	fHYDRO3MV
0800 080389	LGPT E MONTEVIDEO, URUGUAY	34-54 S	56-13 W	fHYDRO3MV

#*** PERSONNEL ***

#	NAME	TITLE	AFFILIATION	CRID
PECS LDG	SMETHIE,B.	CHIEF SCIENTIST	LAMONT-DOHERTY	HYDRO3MV
PERT STS	COMER,R.	RESIDENT TECH.	SCRIPPS INSTITUTION	HYDRO3MV
PESP WHO	MCCARTNEY,M.	SCIENTIST	WOODS HOLE	HYDRO3MV
PEST WHO	SPEER,K.	INVESTIGATOR	WOODS HOLE	HYDRO3MV
PESP WHO	ZEMBA,S.	GRAD.STUDENT	WOODS HOLE	HYDRO3MV
PERT LDG	BENJAMIN,M.	STAFF RES. ASSOC	LAMONT-DOHERTY	HYDRO3MV
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PEST UBN	RODRIGUEZ,J.	GRAD.STUDENT	UNIVERSITY OF BERN	HYDRO3MV
PESP PTU	ROOTER,R.	TECHNICIAN	PRINCETON UNIVERSITY	HYDRO3MV
PESP LDG	TEDESCO,K.	TECHNICIAN	LAMONT-DOHERTY	HYDRO3MV
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PESP WHO	ZEMBA,J.	GRAD STUDENT	WOODS HOLE	HYDRO3MV
PESP TAM	BERGLAND,B.	GRAD.STUDENT	TEXAS A&M UNIVERSITY	HYDRO3MV

#***NOTES***
#AN 'X' IN THE (B)EGIN/(E)ND COLUMN FOLLOWING THE SAMPLE CODE INDICATES NO
#SAMPLE OR DATA RECOVERED. A 'C' INDICATES CONTINUATION OF DATA COLLECTION
#FROM BEFORE THE BEGINNING OR AFTER THE END OF A PARTICULAR LEG. (MOORED
#BOTTOM INSTRUMENTS, FOR EXAMPLE.) THE NUMBER APPEARING IN THE COLUMNS
#BETWEEN THE SAMPLE IDENTIFIER AND THE DISPOSITION CODE, FOR MANY SAMPLE
#ENTRIES, IS THE WATER DEPTH IN CORRECTED METERS. POSITIONS ARE IN TENTHS
#OF MINUTES.

#GMT TIME	DDMMYY DATE	LQC T TIME Z	SAMP CODE	SAMPLE IDENTIFIER	DISP CODE	LAT.	LONG.	CRUISE LEG-SHIP
#***UNDERWAY DATA CURATOR - S. M. SMITH EXT. 42752								
#*** LOG BOOKS ***								
1450	230189		LBUW B	UNDERWAY WATCH LOG	GDC	33-572S	17-594E	sHYDRO3MV
1435	070389		LBUW E	UNDERWAY WATCH LOG	GDC	35-246S	52-523W	sHYDRO3MV
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1450	230189		DPRT B	12KHZ 2 SEC SWP R-01	GDC	33-572S	17-594E	sHYDRO3MV
0558	130289		DPRT E	12KHZ 2 SEC SWP R-01	GDC	48-419S	32-495W	sHYDRO3MV
0938	130289		DPRT B	12KHZ 2 SEC SWP R-02	GDC	48-427S	32-523W	sHYDRO3MV
1547	040389		DPRT E	12KHZ 2 SEC SWP R-02	GDC	37-002S	48-252W	sHYDRO3MV
1307	050389		DPRT B	12KHZ 2 SEC SWP R-03	GDC	37-052S	48-303W	sHYDRO
1438	070389		DPRT E	12KHZ 2 SEC SWP R-03	GDC	35-245S	52-529W	sHYDRO3MV
#*** CONTINUOUS AIR SAMPLES-FREONS ***								
1200	230189		ASCS B	CONT.AIR SAMP-FREONS	GRD	33-539S	18-249E	sHYDRO3MV
1100	080389		ASCS E	CONT.AIR SAMP-FREONS	GRD	34-541S	56-128W	sHYDRO3MV
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0921	250189		TDOT	999-1 209M 36	PCF	35-217S	8-554E	sHYDRO3MV
2250	260189		TDOT	236-1 4948M 36	PCF	35-599S	0-599E	sHYDRO3MV
1239	010289		TDOT	237-1 4162M 36	PCF	32-299S	24-590W	sHYDRO3MV
1842	010289		TDOT	238-1 4589M 36	PCF	32-596S	24-598W	sHYDRO3MV
0100	020289		TDOT	239-1 4364M 36	PCF	33-296S	24-594W	sHYDRO3MV
0721	020289		TDOT	240-1 4002M 36	PCF	34-002S	24-559W	sHYDRO3MV
1315	020289		TDOT	241-1 3953M 36	PCF	34-299S	25-003W	sHYDRO3MV
2142	020289		TDOT	242-1 4088M 36	PCF	34-597S	24-587W	sHYDRO3MV
1348	030289		TDOT	243-1 4107M 36	PCF	35-288S	24-585W	sHYDRO3MV
0158	040289		TDOT	244-1 3874M 36	PCF	35-572S	25-138W	sHYDRO3MV
0828	040289		TDOT	245-1 4166M 36	PCF	36-249S	25-300W	sHYDRO3MV

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1509 040289	TDOT	246-1	4062M	36	PCF	36-526S	25-441W sHYDRO3MV
2145 040289	TDOT	247-1	4172M	36	PCF	37-175S	25-566W sHYDRO3MV
0543 050289	TDOT	248-1	3929M	36	PCF	37-461S	26-130W sHYDRO3MV
1430 050289	TDOT	249-1	3871M	36	PCF	38-151S	26-294W sHYDRO3MV
2151 050289	TDOT	250-1	4118M	36	PCF	38-429S	26-459W sHYDRO3MV
0637 060289	TDOT	251-1	4288M	36	PCF	39-110S	27-000W sHYDRO3MV
1909 060289	TDOT	252-1	4300M	36	PCF	39-393S	27-175W sHYDRO3MV
0457 070289	TDOT	253-1	4255M	36	PCF	40-048S	27-303W sHYDRO3MV
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0313 080289	TDOT	255-1	4243M	36	PCF	41-041S	28-057W sHYDRO3MV
1306 080289	TDOT	256-1	4382M	24	PCF	41-373S	28-230W sHYDRO3MV
2228 080289	TDOT	257-1	4523M	24	PCF	42-076S	28-433W sHYDRO3MV
0621 090289	TDOT	258-1	4473M	24	PCF	42-413S	29-044W sHYDRO3MV
2201 090289	TDOT	259-1	4557M	24	PCF	43-143S	29-223W sHYDRO3MV
0848 100289	TDOT	260-1	4477M	36	PCF	43-454S	29-397W sHYDRO3MV
1548 100289	TDOT	261-1	4640M	36	PCF	44-169S	29-591W sHYDRO3MV
?248 100289	TDOT	262-1	5019M	36	PCF	44-491S	30-187W sHYDRO3MV
)630 110289	TDOT	263-1	5299M	36	PCF	45-205S	30-378W sHYDRO3MV
1427 110289	TDOT	264-1	5221M	36	PCF	45-528S	30-589W sHYDRO3MV
2228 110289	TDOT	265-1	5161M	36	PCF	46-313S	31-235W sHYDRO3MV
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1439 120289	TDOT	267-1	5160M	36	PCF	47-486S	32-125W sHYDRO3MV
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0813 180289	TDOT	279-1	193M	09	PCF	53-244S	41-514W sHYDRO3MV
1033 180289	TDOT	280-1	1737M	24	PCF	53-118S	41-489W sHYDRO3MV
1739 180289	TDOT	281-1	3577M	36	PCF	52-186S	41-442W sHYDRO3MV
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1715 200289	TDOT	286-1	5542M	36	PCF	49-235S	41-311W sHYDRO3MV
2313 200289	TDOT	287-1	5302M	36	PCF	49-028S	41-310W sHYDRO3MV
)642 210289	TDOT	288-1	5898M	36	PCF	48-367S	41-305W sHYDRO3MV
0118 220289	TDOT	289-1	5934M	36	PCF	47-507S	41-277W sHYDRO3MV

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1739	230289			TDOT		292-1	5107M 36	PCF	44-300S	41-173W	sHYDRO3MV
0739	240289			TDOT		293-1	5152M 36	PCF	43-127S	41-091W	sHYDRO3MV
1927	240289			TDOT		294-1	5150M 36	PCF	41-505S	41-095W	sHYDRO3MV
1743	250289			TDOT		295-1	5185M 36	PCF	40-386S	41-052W	sHYDRO3MV
0524	260289			TDOT		296-1	5123M 36	PCF	39-283S	41-013W	sHYDRO3MV
1833	260289			TDOT		297-1	5069M 36	PCF	38-120S	40-580W	sHYDRO3MV
1227	270289			TDOT		298-1	4971M 36	PCF	36-547S	41-154W	sHYDRO3MV
2351	270289			TDOT		299-1	4894M 36	PCF	36-012S	41-187W	sHYDRO3MV
0928	280289			TDOT		300-1	4738M 36	PCF	34-593S	41-248W	sHYDRO3MV
1842	280289			TDOT		301-1	4617M 36	PCF	34-008S	41-393W	sHYDRO3MV
0845	010389			TDOT		302-1	4568M 36	PCF	33-153S	41-474W	sHYDRO3MV
2036	010389			TDOT		303-1	4397M 36	PCF	32-480S	41-497W	sHYDRO3MV
0627	020389			TDOT		304-1	3816M 36	PCF	32-178S	41-541W	sHYDRO3MV
0406	040389			TDOT		305-1	5040M 36	PCF	37-376S	47-196W	sHYDRO3MV
1439	050389			TDOT		306-1	4886M 36	PCF	36-554S	48-285W	sHYDRO3MV
1233	060389			TDOT		307-1	4560M 36	PCF	36-180S	49-277W	sHYDRO
2228	060389			TDOT		308-1	3986M 36	PCF	35-493S	50-150W	sHYDRO3MV
#*** GERARD BARRELS ***											
1756	020289			GCLV		241-2	790M 6B	PCF	34-311S	24-598W	sHYDRO3MV
0737	030289			GCLV		243-1	2981M 3B	PCF	35-304S	24-589W	sHYDRO3MV
1109	030289			GCLV		243-2	4012M 6B	PCF	35-292S	24-581W	sHYDRO3MV
1933	030289			GCLV		243-4	2529M 9B	PCF	35-309S	24-597W	sHYDRO3MV
2215	030289			GCLV		243-5	389M 5B	PCF	35-324S	24-586W	sHYDRO3MV
1632	060289			GCLV		252-1	4264M 9B	PCF	39-387S	27-162W	sHYDRO3MV
0034	070289			GCLV		252-3	970M 9B	PCF	39-374S	27-168W	sHYDRO3MV
1003	070289			GCLV		253-2	818M 6B	PCF	40-103S	27-295W	sHYDRO3MV
1854	090289			GCLV		259-2	3326M 9B	PCF	43-122S	29-220W	sHYDRO3MV
0353	100289			GCLV		259-3	1312M 8B	PCF	43-173S	29-215W	sHYDRO3MV
2302	130289			GCLV		271-1	5132M 9B	PCF	49-419S	33-189W	sHYDRO3MV
1100	140289			GCLV	X	271-3		PCF	49-452S	33-136W	sHYDRO3MV
1251	140289			GCLV		271-4	2339M 8B	PCF	49-466S	33-112W	sHYDRO3MV
1811	140289			GCLV		271-5	2934M 8B	PCF	49-510S	33-058W	sHYDRO3MV
0037	160289			GCLV		274-2	1857M 7B	PCF	51-367S	34-429W	sHYDRO3MV
0816	170289			GCLV		278-2	210M 1B	PCF	53-581S	36-228W	sHYDRO3MV

#GMT DDMMYY LOC T #TIME DATE TIME Z	SAMP CODE	SAMPLE IDENTIFIER		DISP CODE	LAT.	LONG.	CRUISE LEG-SHIP
2307 180289	GCLV	281-2	3527M	9B	PCF 52-169S	41-445W	sHYDRO3MV
1001 200289	GCLV	284-2	1934M	9B	PCF 49-353S	41-322W	sHYDRO3MV
0706 210289	GCLV	287-2	5255M	9B	PCF 49-006S	41-301W	sHYDRO3MV
1230 210289	GCLV	287-3	1636M	9B	PCF 49-001S	41-256W	sHYDRO3MV
1533 220289	GCLV	290-2	901M	7B	PCF 47-003S	41-239W	sHYDRO3MV
0230 230289	GCLV	291-1	5352M	7B	PCF 45-477S	41-183W	sHYDRO3MV
2240 230289	GCLV	292-2	2304M	7B	PCF 44-267S	41-204W	sHYDRO3MV
0131 250289	GCLV	294-2	5150M	9B	PCF 41-526S	41-072W	sHYDRO3MV
0643 250289	GCLV	294-3	1462M	9B	PCF 41-529S	41-062W	sHYDRO3MV
0844 270289	GCLV	298-1	4942M	9B	PCF 36-569S	41-134W	sHYDRO3MV
1727 270289	GCLV	298-3	1560M	9B	PCF 36-554S	41-140W	sHYDRO3MV
0603 010389	GCLV	302-1	4548M	9B	PCF 33-167S	41-464W	sHYDRO3MV
1422 010389	GCLV	302-3	3176M	9B	PCF 33-168S	41-478W	sHYDRO3MV
1647 010389	GCLV	302-4	830M	5B	PCF 33-173S	41-494W	sHYDRO3MV
0143 020389	GCLV	303-2	2651M	7B	PCF 32-473S	41-499W	sHYDRO3MV
1103 020389	GCLV	304-2	926M	7B	PCF 32-167S	41-555W	sHYDRO3MV
1910 050389	GCLV	306-2	886M	6B	PCF 36-555S	48-273W	sHYDRO3MV
202 050389	GCLV	306-3	3496M	8B	PCF 36-573S	48-278W	sHYDRO3MV
0234 060389	GCLV	306-4	4973M	9B	PCF 36-599S	48-289W	sHYDRO3MV
1659 060389	GCLV	307-2	803M	6B	PCF 36-178S	49-302W	sHYDRO3MV

#*** END SAMPLE INDEX