INFORMAL REPORT OF NAVIGATION AND SAMPLE INDEX FOR

HYDROS EXPEDITION

LEG 6

==========

R/V Melville

(Issued April 1990)

Woods Hole, Massachusetts (26 May 1989)
to
Woods Hole, Massachusetts (25 June 1989)

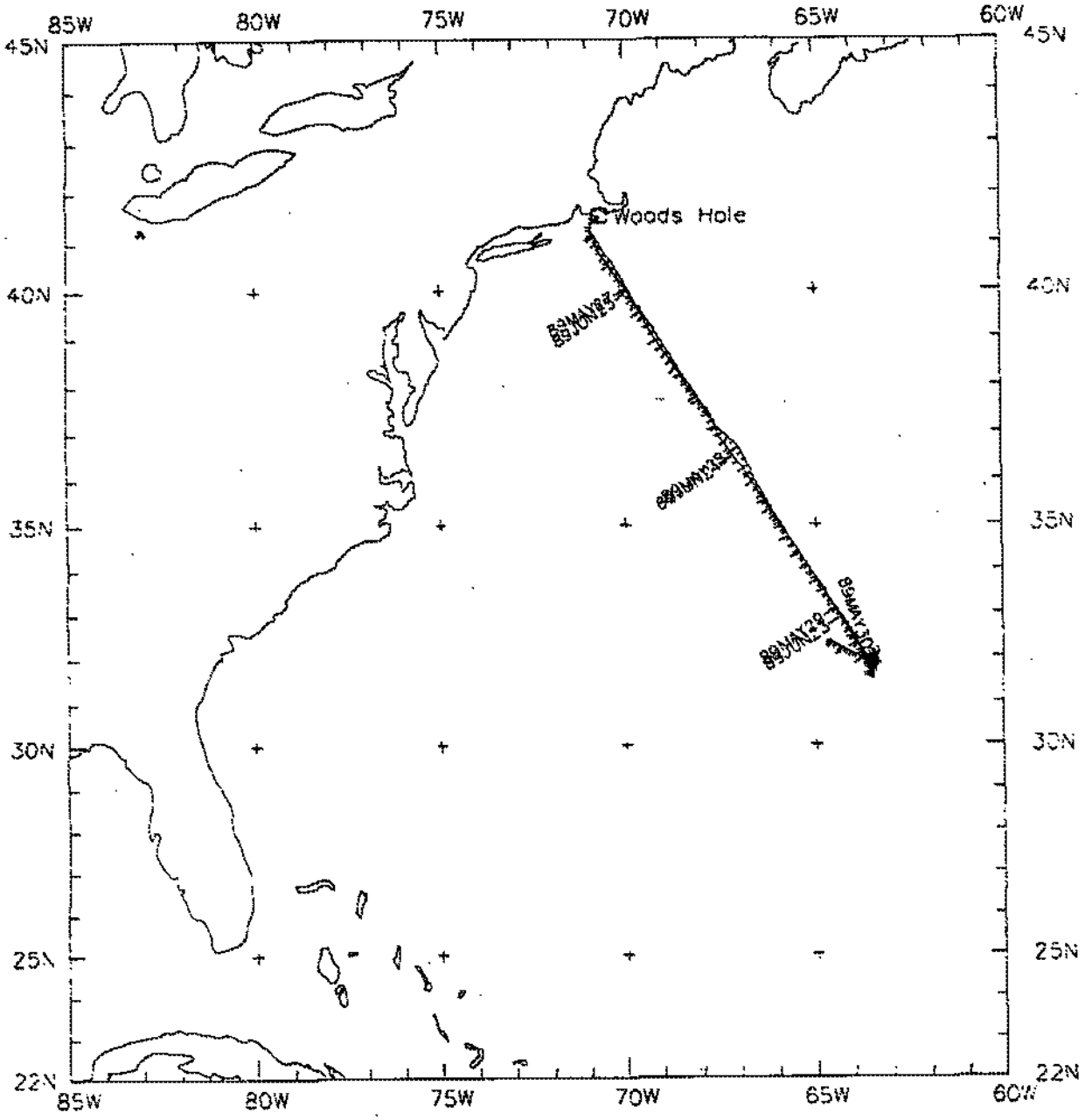
Co-Chief Scientists - P. Williams (SIO)
E. Druffel (Woods Hole)

Resident Marine Technician - E. Pillard

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

Data Collection and Processing Funded by NSF
OCE87-02835

GDC Cruise I.D.# 244



HYDROS EXPEDITION LEG 6

CHIEF SCIENTIST: F. Spiess (SIO)
E. Druffel (Woods Hole)
PORTS: Woods Hole - Woods Hole, Massachusetts
DATES: 26 May - 25 June 1989
SHIP: R/V Melville

TOTAL MILEAGE OF UNDERWAY DATA COLLECTED
1) Cruise - 1145 miles
2) Bathymetry - none collected
3) Magnetics - none collected
4) Seismic Reflection - none collected
5) Gravity - none collected

S.I.O. SAMPLE INDEX

(Issued April 1990)

HYDROS EXPEDITION

Leg 6

R/V Melville

Woods Hole, Massachusetts (26 May 1989)
to
Woods Hole, Massachusetts (25 June 1989)

Co-Chief Scientists - P. Williams (SIO)
E. Druffel (Woods Hole)

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***

1300	260589	LGPT B	WOODS HOLE, MASS.	41-310N	70-400W	fHYDRO6MV
1200	250689	LGPT E	WOODS HOLE, MASS.	41-310N	70-400W	fHYDRO6MV
1054	100689	LGSS B	ST. GEORGE, BERMUDA	32-231N	64-404W	sHYDRO6MV
1306	100689	LGSS E	ST. GEORGE, BERMUDA	32-228N	64-386W	sHYDRO6MV

#***PERSONNEL***

#	***NAME***	***TITLE***	***AFFILIATION***	**CRID**
PECS IMR	WILLIAMS,P.	CHIEF SCIENTIST	SCRIPPS INSTITUTION	HYDRO6MV
PECS WHO	DRUFFEL,E.	CO-CH SCIENTIST	WOODS HOLE	HYDRO6MV
PEST IMR	BAUER,J.	GRAD STUDENT	SCRIPPS INSTITUTION	HYDRO6MV
PECT STS	BOUCHARD,G.	COMPUTER TECH	SCRIPPS INSTITUTION	HYDRO6MV
PESP WHO	DACEY,J.	ASSOC. SCIENTIST	WOODS HOLE	HYDRO6MV
PESP SIX	ERTEL,J.	ASSOC. PROFESSOR	UNIV. OF GEORGIA	HYDRO6MV
PESP WHO	HARE,L.	RESEARCH ASSIST.	WOODS HOLE	HYDRO6MV
PESP IMR	LEGARRE,H.	LAB ASSIST.	SCRIPPS INSTITUTION	HYDRO6MV
PESP WHO	MICHAELS,A.	POST DOC	WOODS HOLE	HYDRO6MV
PESP IMR	PADUAN,J.	RESEARCH ASSIST.	SCRIPPS INSTITUTION	HYDRO6MV
PERT STS	PILLARD,E.	RES. TECH.	SCRIPPS INSTITUTION	HYDRO6MV
PESP IMR	ROBERTSON,K.	RESEARCH ASSIST.	SCRIPPS INSTITUTION	HYDRO6M
PEST SIX	WANG,X.	GRAD STUDENT	STATE UNIV.,NEW YORK	HYDRO6M
PESP WHO	WHITTER,A.	RESEARCH ASSIST.	WOODS HOLE	HYDRO6MV

#***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 DDMMYY LOG T #TIME DATE TIME Z	SAMP CODE	SAMPLE IDENTIFIER	DISP CODE	LAT.	LONG.	CRUISE LEG-SHIP
#*** GEOCHEMICAL SAMPLES, LARGE VOLUME ***						
1616 290589	GCLV	DOC,O2,CO2,DONP, 20M	SIO	31-490N	63-340W	sHYDRO6MV
1801 290589	GCLV	DOC,O2,CO2,DONP, 03M	SIO	31-501N	63-340W	sHYDRO6MV
1920 290589	GCLV	DOC,O2,CO2,DONP, 10M	SIO	31-506N	63-348W	sHYDRO6MV
1240 300589	GCLV	DOC,O2,CO2,DONP, 50M	SIO	31-503N	63-292W	sHYDRO6MV
1427 300589	GCLV	DOC,O2,CO2,DONP, 85M	SIO	31-509N	63-290W	sHYDRO6MV
1754 300589	GCLV	DOC,O2,CO2,DONP,100M	SIO	31-501N	63-312W	sHYDRO6MV
1331 310589	GCLV	DOC,O2,CO2,DONP,200M	SIO	31-503N	63-307W	sHYDRO6MV
17 310589	GCLV	DOC,O2,CO2,DONP,400M	SIO	31-509N	63-306W	sHYDRO6MV
1728 010689	GCLV	DOC,O2,CO2,DONP,600M	SIO	31-503N	63-297W	sHYDRO6MV
1917 010689	GCLV	DOC,O2,CO2,DONP,850M	SIO	31-506N	63-292W	sHYDRO6MV
2040 010689	GCLV	DOC,O2,CO2,DONP,850M	SIO	31-504N	63-302W	sHYDRO6MV
1413 020689	GCLV	DOC,O2,CO2, 1300M	SIO	31-501N	63-281W	sHYDRO6MV
1330 030689	GCLV	DOC,O2,CO2, 1800M	SIO	31-514N	63-264W	sHYDRO6MV
1354 040689	GCLV	DOC,O2,CO2, 2700M	SIO	31-514N	63-298W	sHYDRO6MV
1400 050689	GCLV	DOC,O2,CO2, 3600M	SIO	31-561N	63-307W	sHYDRO6MV
1442 070689	GCLV	DOC,O2,CO2, 4325M	SIO	31-504N	63-277W	sHYDRO6MV
1432 080689	GCLV	DOC,O2,CO2, 3200M	SIO	31-501N	63-290W	sHYDRO6MV
1300 110689	GCLV	DOC,O2,CO2,DONP,850M	SIO	31-498N	63-284W	sHYDRO6MV
2125 120689	GCLV	DOC,O2,CO2, 3200M	SIO	31-508N	63-303W	sHYDRO6MV
1712 130689	GCLV	DOC,O2,CO2, 1500M	SIO	31-507N	63-295W	sHYDRO6MV
44 140689	GCLV	DOC,O2,CO2,DONP, 50M	SIO	31-505N	63-275W	sHYDRO6MV

#GMT DDMMYY LOC.T #TIME DATE TIME Z	SAMP CODE	SAMPLE IDENTIFIER	DISP CODE	LAT.	LONG.	CRUISE LEG-SHIP
1251 150689	GCLV	HUMIC 50M	UGA	31-492N	63-289W	sHYDRO6MV
2205 150689	GCLV	HUMIC 50M	UGA	31-504N	63-298W	sHYDRO6MV
0811 160689	GCLV	HUMIC 50M	UGA	31-503N	63-304W	sHYDRO6MV
1630 160689	GCLV	HUMIC 50M	UGA	31-499N	63-311W	sHYDRO6MV
1602 180689	GCLV	HUMIC,SAL, 3200,3220	UGA	31-501N	63-298W	sHYDRO6MV
1359 190689	GCLV	HUMIC,SAL, 3200,3220	SIO	31-509N	63-292W	sHYDRO6MV
1741 210689	GCLV	HUMIC,SALTS 3200M	UGA	31-520N	63-295W	sHYDRO6MV
#*** YINCH PUMP ***						
2255 300589	YNPM B	PARTICULATE CARBON	SIO	31-510N	63-307W	sHYDRO6M
0700 310589	YNPM E	600, 850M	SIO	31-526N	63-308W	sHYDRO6M
2300 310589	YNPM B	PARTICULATE CARBON	SIO	31-513N	63-305W	sHYDRO6MV
0710 010689	YNPM E	3200,4000M	SIO	31-519N	63-301W	sHYDRO6MV
2330 020689	YNPM B	PARTICULATE CARBON	SIO	31-497N	63-300W	sHYDRO6MV
0800 030689	YNPM E	2200,2700M	SIO	31-491N	63-298W	sHYDRO6MV
2035 030689	YNPM B	PARTICULATE CARBON	SIO	31-503N	63-297W	sHYDRO6MV
0500 040689	YNPM E	1300,1500M	SIO	31-495N	63-339W	sHYDRO6MV
2235 050689	YNPM B	PARTICULATE CARBON	SIO	31-495N	63-297W	sHYDRO6MV
0100 060689	YNPM E	85,200M	SIO	31-490N	63-306W	sHYDRO6MV
2245 060689	YNPM B	PARTICULATE CARBON	SIO	31-511N	63-309W	sHYDRO6MV
0100 070689	YNPM E	20,50M	SIO	31-535N	63-320W	sHYDRO6MV
0100 080689	YNPM B	PARTICULATE CARBON	SIO	31-507N	63-285W	sHYDRO6MV
0934 080689	YNPM E	1500,3200M	SIO	31-524N	63-250W	sHYDRO6MV
2300 140689	YNPM B	PARTICULATE CARBON	SIO	31-497N	63-280W	sHYDRO6MV
0715 150689	YNPM E	3650,4450M	SIO	31-506N	63-279W	sHYDRO6MV
2050 170689	YNPM B	PARTICULATE CARBON	SIO	31-507N	63-297W	sHYDRO6MV
0100 180689	YNPM E	50,100M	SIO	31-530N	63-273W	sHYDRO6M

#GMT DDMMYY LOC T #TIME DATE TIME Z	SAMP CODE	SAMPLE IDENTIFIER	DISP CODE	LAT.	LONG.	CRUISE LEG-SHIP
#*** GEOCHEMICAL SAMPLES ***						
1202 290589	GC** B	SURFACE PUMP, C13,	WHO	31-494N	63-316W	sHYDRO6MV
1234 290589	GC** E	DIC, TCO2, SALTS	WHO	31-490N	63-315W	sHYDRO6MV
1140 310589	GC** B	SURFACE PUMP, C13,	WHO	31-499N	63-304W	sHYDRO6MV
1229 310589	GC** E	DIC, TCO2, SALTS	WHO	31-501N	63-305W	sHYDRO6MV
1135 020689	GC** B	SURFACE PUMP, C13,	WHO	31-497N	63-289W	sHYDRO6MV
1205 020689	GC** E	DIC, TCO2, SALTS	WHO	31-496N	63-287W	sHYDRO6MV
1212 040689	GC** B	SURFACE PUMP, C13,	WHO	31-512N	63-297W	sHYDRO6MV
1235 040689	GC** E	DIC, TCO2, SALTS	WHO	31-513N	63-297W	sHYDRO6MV
1315 060689	GC** B	SURFACE PUMP, C13,	WHO	31-505N	63-284W	sHYDRO6MV
1335 060689	GC** E	DIC, TCO2, SALTS	WHO	31-495N	63-283W	sHYDRO6MV
.52 080689	GC** B	SURFACE PUMP, C13,	WHO	31-495N	63-302W	sHYDRO6MV
1312 080689	GC** E	DIC, TCO2, SALTS	WHO	31-497N	63-301W	sHYDRO6MV
1158 110689	GC** B	SURFACE PUMP, C13,	WHO	31-493N	63-279W	sHYDRO6MV
1218 110689	GC** E	DIC, TCO2, SALTS	WHO	31-494N	63-281W	sHYDRO6MV
1148 130689	GC** B	SURFACE PUMP, C13,	WHO	31-500N	63-292W	sHYDRO6MV
1204 130689	GC** E	DIC, TCO2, SALTS	WHO	31-498N	63-293W	sHYDRO6MV
1215 150689	GC** B	SURFACE PUMP, C13,	WHO	31-493N	63-290W	sHYDRO6MV
1235 150689	GC** E	DIC, TCO2, SALTS	WHO	31-491N	63-289W	sHYDRO6MV
1154 170689	GC** B	SURFACE PUMP, C13,	WHO	31-503N	63-300W	sHYDRO6MV
1405 170689	GC** E	DIC, TCO2, SALTS	WHO	31-504N	63-286W	sHYDRO6MV
1152 190689	GC** B	SURFACE PUMP, C13,	WHO	31-503N	63-309W	sHYDRO6MV
1204 190689	GC** E	DIC, TCO2, SALTS	WHO	31-503N	63-308W	sHYDRO6MV
1150 210689	GC** B	SURFACE PUMP, C13,	WHO	31-496N	63-284W	sHYDRO6MV
1213 210689	GC** E	DIC, TCO2, SALTS	WHO	31-499N	63-285W	sHYDRO6MV

#GMT DDMMYY LOC▲T #TIME DATE TIME Z	SAMP CODE	SAMPLE IDENTIFIER	DISP CODE	LAT.	LONG.	CRUISE LEG-SHIP
1150 220689	GC** B	SURFACE PUMP, C13,	WHO	31-487N	63-270W	sHYDRO6MV
1210 220689	GC** E	DIC, TCO2, SALTS	WHO	31-489N	63-274W	sHYDRO6MV
1915 220689	GC** B	SURFACE PUMP, C13,	WHO	32-152N	63-493W	sHYDRO6MV
1937 220689	GC** E	DIC, TCO2, SALTS	WHO	32-184N	63-518W	sHYDRO6MV
0238 230689	GC** B	SURFACE PUMP, C13,	WHO	33-187N	64-385W	sHYDRO6MV
0252 230689	GC** E	DIC, TCO2, SALTS	WHO	33-206N	64-404W	sHYDRO6MV
1046 230689	GC** B	SURFACE PUMP, C13,	WHO	34-309N	65-347W	sHYDRO6MV
1101 230689	GC** E	DIC, TCO2, SALTS	WHO	34-332N	65-366W	sHYDRO6MV
1900 230689	GC** B	SURFACE PUMP, C13,	WHO	35-457N	66-328W	sHYDRO6MV
1912 230689	GC** E	DIC, TCO2, SALTS	WHO	35-475N	66-343W	sHYDRO6MV
0240 240689	GC** B	SURFACE PUMP, C13,	WHO	36-514N	67-285W	sHYDRO6MV
0245 240689	GC** E	DIC, TCO2, SALTS	WHO	36-520N	67-293W	sHYDRO6MV
1025 240689	GC** B	SURFACE PUMP, C13,	WHO	38-058N	68-253W	sHYDRO6M▾
1039 240689	GC** E	DIC, TCO2, SALTS	WHO	38-079N	68-269W	sHYDRO6MV
1855 240689	GC** B	SURFACE PUMP, C13,	WHO	39-225N	69-291W	sHYDRO6MV
1908 240689	GC** E	DIC, TCO2, SALTS	WHO	39-242N	69-304W	sHYDRO6MV
0235 250689	GC** B	SURFACE PUMP, C13,	WHO	40-185N	70-143W	sHYDRO6MV
0250 250689	GC** E	DIC, TCO2, SALTS	WHO	40-206N	70-161W	sHYDRO6MV
0737 250689	GC** B	SURFACE PUMP, C13,	WHO	41-013N	70-484W	sHYDRO6MV
0754 250689	GC** E	DIC, TCO2, SALTS	WHO	41-038N	70-500W	sHYDRO6MV
#*** CORES ***						
2148 040689	COGV	T. SHAW CORE 4560M	WHO	31-507N	63-297W	sHYDRO6MV
2112 080689	COGV	T. SHAW CORE 4450M	WHO	31-508N	63-300W	sHYDRO6MV
1625 090689	COGV	T. SHAW CORE 4599M	WHO	31-476N	63-292W	sHYDRO6MV
2203 090689	COGV	T. SHAW CORE 4505M	WHO	31-494N	63-281W	sHYDRO6MV

#GMT DDMMYY LOC T #TIME DATE TIME Z	SAMP CODE	SAMPLE IDENTIFIER	DISP CODE	LAT.	LONG.	CRUISE LEG-SHIP
#*** HYDROCASTS ***						
1917 020689	HCNI	GEOCHEM 4 BTL 51M	WHO	31-498N	63-299W	sHYDRO6MV
2000 020689	HCNI	GEOCHEM 3 BTL 120M	WHO	31-497N	63-302W	sHYDRO6MV
2032 020689	HCNI	GEOCHEM 3 BTL 210M	WHO	31-498N	63-306W	sHYDRO6MV
1626 110689	HCNI	DMS 6 BTL 75M	WHO	31-498N	63-303W	sHYDRO6MV
1659 110689	HCNI	DMS 6 BTL 254M	WHO	31-500N	63-304W	sHYDRO6MV
1915 110689	HCNI	BIO 6 BTL 125M	WHO	31-507N	63-301W	sHYDRO6MV
2004 110689	HCNI	DMS 4 BTL 30M	WHO	31-511N	63-292W	sHYDRO6MV
1724 120689	HCNI	DMS 7 BTL 44M	WHO	31-508N	63-308W	sHYDRO6MV
1709 140689	HCNI	BIO 2 BTL 20M	WHO	31-519N	63-310W	sHYDRO6MV
1756 160689	HCNI	GEOCHEM 4 BTL 54M	WHO	31-504N	63-307W	sHYDRO6MV
1828 160689	HCNI	GEOCHEM 3 BTL 124M	WHO	31-504N	63-308W	sHYDRO6MV
1856 160689	HCNI	GEOCHEM 3 BTL 214M	WHO	31-504N	63-310W	sHYDRO6MV
1910 160689	HCNI	DMS 4 BTL 44M	WHO	31-504N	63-311W	sHYDRO6MV
1926 160689	HCNI	DMS 4 BTL 41M	WHO	31-503N	63-309W	sHYDRO6MV
1208 180689	HCNI	DMS 7 BTL 70M	WHO	31-503N	63-298W	sHYDRO6MV
1235 180689	HCNI	DMS 7 BTL 250M	WHO	31-503N	63-299W	sHYDRO6MV
1825 190689	HCNI	BIO 7 BTL 128M	WHO	31-504N	63-299W	sHYDRO6MV
1223 200689	HCNI	DMS 3 BTL 80M	WHO	31-501N	63-293W	sHYDRO6MV

#GMT DDMMYY LOC.T #TIME DATE TIME Z	SAMP CODE	SAMPLE IDENTIFIER	DISP CODE	LAT.	LONG.	CRUISE LEG-SHIP
1234 200689	HCNI	DMS 2 BTL 85M	WHO	31-502N	63-291W	sHYDRO6MV
1324 200689	HCNI	BIO 5 BTL 70M	WHO	31-501N	63-283W	sHYDRO6MV
1347 200689	HCNI	BIO 5 BTL 120M	WHO	31-502N	63-281W	sHYDRO6MV
2213 200689	HCNI	BIO 7 BTL 120M	WHO	31-504N	63-300W	sHYDRO6MV
2013 210689	HCNI	DMS 3 BTL 80M	WHO	31-522N	63-284W	sHYDRO6MV
2028 210689	HCNI	DMS 3 BTL 80M	WHO	31-521N	63-291W	sHYDRO6MV
2038 210689	HCNI	DMS 3 BTL 25M	WHO	31-523N	63-292W	sHYDRO6MV
#*** OPEN NETS ***						
2219 290589	ON20 B	PLANKTON NET 1M	WHO	31-498N	63-282W	sHYDRO6M
2301 290589	ON20 E	35 MIC	WHO	31-498N	63-290W	sHYDRO6M
2350 290589	ON1M B	335 MIC NET TOW 5M	WHO	31-497N	63-290W	sHYDRO6MV
0020 300589	ON1M E		WHO	31-499N	63-284W	sHYDRO6MV
0042 300589	ON1M B	335 MIC NET TOW 50M	WHO	31-500N	63-280W	sHYDRO6MV
0100 300589	ON1M E		WHO	31-502N	63-276W	sHYDRO6MV
0114 300589	ON1M B	335 MIC NET TOW 85M	WHO	31-503N	63-274W	sHYDRO6MV
0134 300589	ON1M E		WHO	31-504N	63-271W	sHYDRO6MV
2259 110689	ON1M B	64 MIC NET 01M	WHO	31-508N	63-280W	sHYDRO6MV
2316 110689	ON1M E		WHO	31-509N	63-281W	sHYDRO6MV
2300 130689	ON20 B	35 MIC NET 01M	WHO	31-522N	63-286W	sHYDRO6MV
2343 130689	ON20 E		WHO	31-527N	63-286W	sHYDRO6MV
0050 140689	ON20 B	35 MIC NET 01M	WHO	31-500N	63-300W	sHYDRO6MV
0142 140689	ON20 E		WHO	31-498N	63-303W	sHYDRO6MV

#GMT DDMMYY LOC*T #TIME DATE TIME Z	SAMP CODE	SAMPLE IDENTIFIER	DISP CODE	LAT.	LONG.	CRUISE LEG-SHIP
0310 140689	ON20 B	35 MIC NET	05M	WHO 31-498N	63-299W	sHYDRO6MV
0400 140689	ON20 E			WHO 31-498N	63-300W	sHYDRO6MV
1937 140689	ON33 B	150 MIC NET	01M	WHO 31-505N	63-286W	sHYDRO6MV
1948 140689	ON33 E			WHO 31-504N	63-287W	sHYDRO6MV
1255 170689	ON1M B	335 MIC NET	100M	WHO 31-501N	63-297W	sHYDRO6MV
1335 170689	ON1M E			WHO 31-503N	63-288W	sHYDRO6MV
1345 170689	ON1M B	335 MIC NET	85M	WHO 31-504N	63-287W	sHYDRO6MV
1408 170689	ON1M E			WHO 31-504N	63-285W	sHYDRO6MV
1420 170689	ON1M B	335 MIC NET	50M	WHO 31-504N	63-283W	sHYDRO6MV
1435 170689	ON1M E			WHO 31-505N	63-280W	sHYDRO6MV
1750 170689	ON1M B	335 MIC NET	10M	WHO 31-506N	63-278W	sHYDRO6MV
08 170689	ON1M E			WHO 31-506N	63-274W	sHYDRO6MV
1840 190689	ON1M B	335 MIC NET	150M	WHO 31-504N	63-300W	sHYDRO6MV
1855 190689	ON1M E			WHO 31-505N	63-302W	sHYDRO6MV
2002 190689	ON20 B	35 MIC NET	0.5M	WHO 31-507N	63-289W	sHYDRO6MV
2051 190689	ON20 E			WHO 31-508N	63-277W	sHYDRO6MV
2058 190689	ON20 B	35 MIC NET	0.5M	WHO 31-508N	63-275W	sHYDRO6MV
2143 190689	ON20 E			WHO 31-508N	63-265W	sHYDRO6MV
2223 200689	ON33 B	150 MIC NET	0-150M	WHO 31-504N	63-300W	sHYDRO6MV
2242 200689	ON33 E			WHO 31-504N	63-299W	sHYDRO6MV
0020 220689	ON1M B	335 MIC NET	100M	WHO 31-503N	63-295W	sHYDRO6MV
0043 220689	ON1M E			WHO 31-502N	63-289W	sHYDRO6MV
0053 220689	ON1M B	335 MIC NET	85M	WHO 31-501N	63-287W	sHYDRO6MV
0115 220689	ON1M E			WHO 31-500N	63-282W	sHYDRO6MV
0123 220689	ON1M B	335 MIC NET	50M	WHO 31-499N	63-280W	sHYDRO6MV
0140 220689	ON1M E			WHO 31-498N	63-277W	sHYDRO6MV
0147 220689	ON1M B	335 MIC NET	20M	WHO 31-497N	63-275W	sHYDRO6MV
0206 220689	ON1M E			WHO 31-495N	63-272W	sHYDRO6MV

#GMT DDMMYY LOC T #TIME DATE TIME^Z	SAMP CODE	SAMPLE IDENTIFIER	DISP CODE	LAT.	LONG.	CRUISE LEG-SHIP
#*** MIDWATER NET ***						
0030 200689	MN**	B 3MM NET 10M X 10M	WHO	31-502N	63-289W	sHYDRO6MV
0145 200689	MN**	E OBLIQUE TOW 100-0M	WHO	31-507N	63-277W	sHYDRO6MV
0200 200689	MN**	B 3MM NET 10M X 10M	WHO	31-507N	63-277W	sHYDRO6MV
0350 200689	MN**	E OBLIQUE TOW 100-0M	WHO	31-520N	63-250W	sHYDRO6MV
#*** SURFACE SAMPLES ***						
2343 120689	SS**	TRACE METALS	WHO	31-517N	63-312W	sHYDRO6MV
2224 130689	SS**	TRACE METALS	WHO	31-517N	63-285W	sHYDRO6MV
1921 140689	SS**	TRACE METALS	WHO	31-508N	63-288W	sHYDRO6MV
0210 180689	SS**	TRACE METALS	WHO	31-541N	63-262W	sHYDRO6MV
0000 200689	SS**	TRACE METALS	WHO	31-500N	63-295W	sHYDRO6MV
2348 200689	SS**	TRACE METALS	WHO	31-507N	63-297W	sHYDRO6MV
2343 210689	SS**	TRACE METALS	WHO	31-503N	63-300W	sHYDRO6MV
0435 230689	SS**	DMS 250ML	WHO	33-373N	64-499W	sHYDRO6MV
1245 230689	SS**	DMS 250ML	WHO	34-487N	65-489W	sHYDRO6MV
1725 230689	SS**	DMS 250ML	WHO	35-316N	66-212W	sHYDRO6MV
1928 230689	SS**	DMS 250ML	WHO	35-500N	66-363W	sHYDRO6MV
0045 240689	SS**	DMS 250ML	WHO	36-361N	67-140W	sHYDRO6MV
1225 240689	SS**	DMS 250ML	WHO	38-236N	68-401W	sHYDRO6MV
1905 240689	SS**	DMS 250ML	WHO	39-238N	69-302W	sHYDRO6MV
2157 240689	SS**	DMS 250ML	WHO	39-461N	69-469W	sHYDRO6MV
0305 250689	SS**	DMS 250ML	WHO	40-226N	70-179W	sHYDRO6MV

#GMT DDMMYY LOC T #TIME DATE TIME Z	SAMP CODE	SAMPLE IDENTIFIER	DISP CODE	LAT.	LONG.	CRUISE LEG-SHIP
#*** SEDIMENT TRAP ***						
1436 150689	SDTR B	BIOLOGICAL TRAP	WHO	31-500N	63-307W	sHYDRO6MV
2248 160689	SDTR B	ACANTHARIA @ 150M	WHO	31-534N	63-191W	sHYDRO6MV
1455 150689	SDTR B	BIOLOGICAL TRAP	WHO	31-503N	63-311W	sHYDRO6MV
2215 160689	SDTR B	ACANTHARIA @ 150M	WHO	31-532N	63-196W	sHYDRO6MV
1513 150689	SDTR B	BIOLOGICAL TRAP	WHO	31-502N	63-311W	sHYDRO6MV
2125 160689	SDTR B	ACANTHARIA @ 150M	WHO	31-524N	63-191W	sHYDRO6MV
1530 150689	SDTR B	BIOLOGICAL TRAP	WHO	31-502N	63-311W	sHYDRO6MV
2109 160689	SDTR B	ACANTHARIA @ 150M	WHO	31-521N	63-188W	sHYDRO6MV
1245 010689	SSFM B	SURFACE FILM	WHO	31-506N	63-301W	sHYDRO6MV
1505 010689	SSFM E	ORGANIC PROCESSES	WHO	31-509N	63-306W	sHYDRO6MV
** BIOLOGICAL SAMPLES ***						
1805 150689	BD** B	BIOLOGICAL	WHO	31-494N	63-285W	sHYDRO6MV
1911 150689	BD** E	SAMPLES BY DIVER	WHO	31-498N	63-296W	sHYDRO6MV
1848 180689	BD** B	BIOLOGICAL	WHO	31-509N	63-291W	sHYDRO6MV
2002 180689	BD** E	SAMPLES BY DIVER	WHO	31-514N	63-293W	sHYDRO6MV
1641 200689	BDGC B	GEOCHEMICAL	WHO	31-507N	63-303W	sHYDRO6MV
1930 200689	BDGC E	SAMPLES BY DIVER	WHO	31-510N	63-313W	sHYDRO6MV
1630 200689	BD** B	BIOLOGICAL	WHO	31-505N	63-303W	sHYDRO6MV
1937 200689	BD** E	SAMPLES BY DIVER	WHO	31-510N	63-313W	sHYDRO6MV
1203 220689	BD** B	BIOLOGICAL	WHO	31-488N	63-272W	sHYDRO6MV
1315 220689	BD** E	SAMPLES BY DIVER	WHO	31-493N	63-284W	sHYDRO6MV
#*** INSITU GEOCHEMICAL BUOY ***						
2244 010689	BUXX B	INSITU GEOCHEMICAL	WHO	31-499N	63-296W	sHYDRO6MV
1102 090689	BUXX E	BOUY (TRACE METALS)	WHO	32-049N	63-231W	sHYDRO6MV

#GMT DDMMYY LOC T #TIME DATE TIME Z	SAMP CODE	SAMPLE IDENTIFIER	DISP CODE	LAT.	LONG.	CRUISE LEG-SHIP
#*** EXPENDABLE BATHYTHERMOGRAPHS ***						
1200 270589	BTXP	XBT 0001 PROBE T-4	GDC	38-138N	68-286W	sHYDRO6MV
1209 270589	BTXP	XBT 0002 PROBE T-4	GDC	38-125N	68-275W	sHYDRO6MV
1202 280589	BTXP	XBT 0003 PROBE T-4	GDC	34-577N	65-538W	sHYDRO6MV
1209 280589	BTXP	XBT 0004 PROBE T-4	GDC	34-566N	65-530W	sHYDRO6MV
2333 280589	BTXP	XBT 0005 PROBE T-4	GDC	33-125N	64-317W	sHYDRO6MV
1149 290589	BTXP	XBT 0006 PROBE T-4	GDC	31-498N	63-317W	sHYDRO6MV
1121 300589	BTXP	XBT 0007 PROBE T-4	GDC	31-502N	63-293W	sHYDRO6MV
1206 310589	BTXP	XBT 0008 PROBE T-4	GDC	31-500N	63-306W	sHYDRO6MV
1211 010689	BTXP	XBT 0009 PROBE T-4	GDC	31-500N	63-304W	sHYDRO6MV
1953 010689	BTXP	XBT 0010 PROBE T-7	GDC	31-506N	63-296W	sHYDRO6MV
1136 020689	BTXP	XBT 0011 PROBE T-4	GDC	31-497N	63-289W	sHYDRO6MV
1208 030689	BTXP	XBT 0012 PROBE T-4	GDC	31-515N	63-266W	sHYDRO6MV
1224 040689	BTXP	XBT 0017 PROBE T-4	GDC	31-513N	63-297W	sHYDRO6MV
1200 050689	BTXP	XBT 0018 PROBE T-4	GDC	31-508N	63-301W	sHYDRO6MV
1311 060689	BTXP	XBT 0019 PROBE T-4	GDC	31-504N	63-286W	sHYDRO6MV
2133 060689	BTXP	XBT 0020 PROBE T-4	GDC	31-507N	63-304W	sHYDRO6MV
1200 070689	BTXP	XBT 0021 PROBE T-4	GDC	31-503N	63-291W	sHYDRO6M
1234 080689	BTXP	XBT 0022 PROBE T-4	GDC	31-495N	63-306W	sHYDRO6M.
1341 090689	BTXP	XBT 0023 PROBE T-4	GDC	31-483N	63-284W	sHYDRO6MV
1150 110689	BTXP	XBT 0024 PROBE T-4	GDC	31-494N	63-279W	sHYDRO6MV
1147 120689	BTXP	XBT 0025 PROBE T-4	GDC	31-502N	63-270W	sHYDRO6MV
1147 130689	BTXP	XBT 0026 PROBE T-4	GDC	31-500N	63-291W	sHYDRO6MV
1148 140689	BTXP	XBT 0027 PROBE T-4	GDC	31-505N	63-275W	sHYDRO6MV
1210 150689	BTXP	XBT 0028 PROBE T-4	GDC	31-494N	63-290W	sHYDRO6MV
1551 160689	BTXP	XBT 0029 PROBE T-4	GDC	31-487N	63-281W	sHYDRO6MV
1151 170689	BTXP	XBT 0030 PROBE T-4	GDC	31-503N	63-297W	sHYDRO6MV
1512 180689	BTXP	XBT 0031 PROBE T-4	GDC	31-500N	63-301W	sHYDRO6MV
1147 190689	BTXP	XBT 0032 PROBE T-4	GDC	31-504N	63-307W	sHYDRO6MV
1156 190689	BTXP	XBT 0033 PROBE T-4	GDC	31-503N	63-310W	sHYDRO6MV
1446 200689	BTXP	XBT 0034 PROBE T-4	GDC	31-501N	63-275W	sHYDRO6MV
1147 210689	BTXP	XBT 0035 PROBE T-4	GDC	31-496N	63-283W	sHYDRO6MV
1207 210689	BTXP	XBT 0036 PROBE T-4	GDC	31-498N	63-285W	sHYDRO6MV
1150 220689	BTXP	XBT 0037 PROBE T-4	GDC	31-487N	63-270W	sHYDRO6MV
1944 220689	BTXP	XBT 0038 PROBE T-4	GDC	32-194N	63-526W	sHYDRO6MV
0302 230689	BTXP	XBT 0039 PROBE T-4	GDC	33-223N	64-411W	sHYDRO6MV
1059 230689	BTXP	XBT 0040 PROBE T-4	GDC	34-329N	65-364W	sHYDRO6MV
1904 230689	BTXP	XBT 0041 PROBE T-4	GDC	35-463N	66-333W	sHYDRO6MV
0243 240689	BTXP	XBT 0042 PROBE T-4	GDC	36-517N	67-289W	sHYDRO6MV
1050 240689	BTXP	XBT 0043 PROBE T-4	GDC	38-095N	68-282W	sHYDRO6MV
1857 240689	BTXP	XBT 0044 PROBE T-4	GDC	39-227N	69-293W	sHYDRO6MV
0239 250689	BTXP	XBT 0045 PROBE T-4	GDC	40-191N	70-147W	sHYDRO6MV
0250 250689	BTXP	XBT 0046 PROBE T-4	GDC	40-206N	70-161W	sHYDRO6MV
0741 250689	BTXP	XBT 0047 PROBE T-4	GDC	41-019N	70-488W	sHYDRO6.
0802 250689	BTXP	XBT 0048 PROBE T-4	GDC	41-050N	70-507W	sHYDRO6MV

END SAMPLE INDEX