

CORC-ARCHES

Weddell Sea Moorings

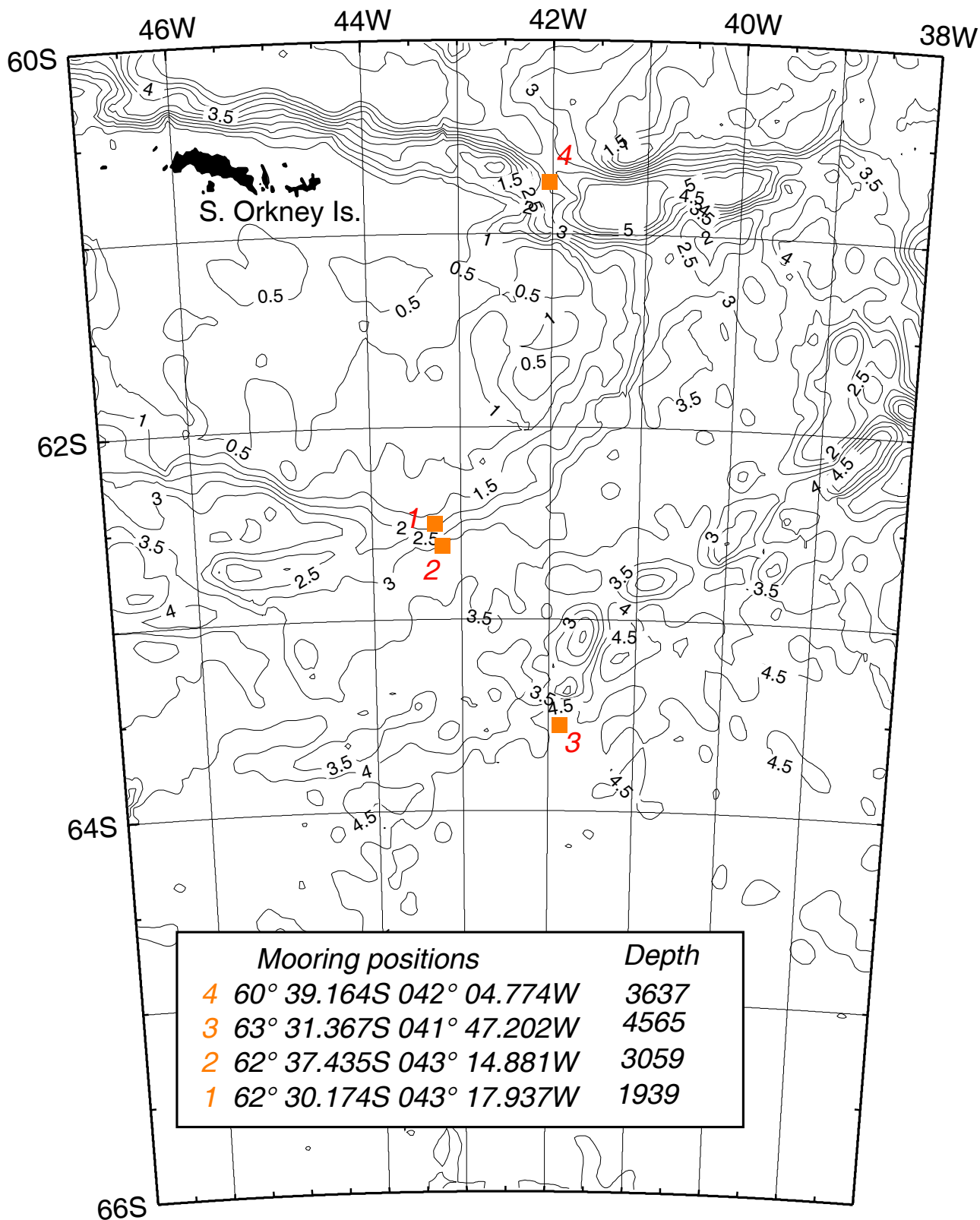
Status Summary, 2004

A. Gordon, M. Visbeck
Lamont-Doherty Earth Observatory
Division of Ocean and Climate Physics

Thursday, August 12, 2004

CORC-ARCHES Weddell Moorings

as of April 2004

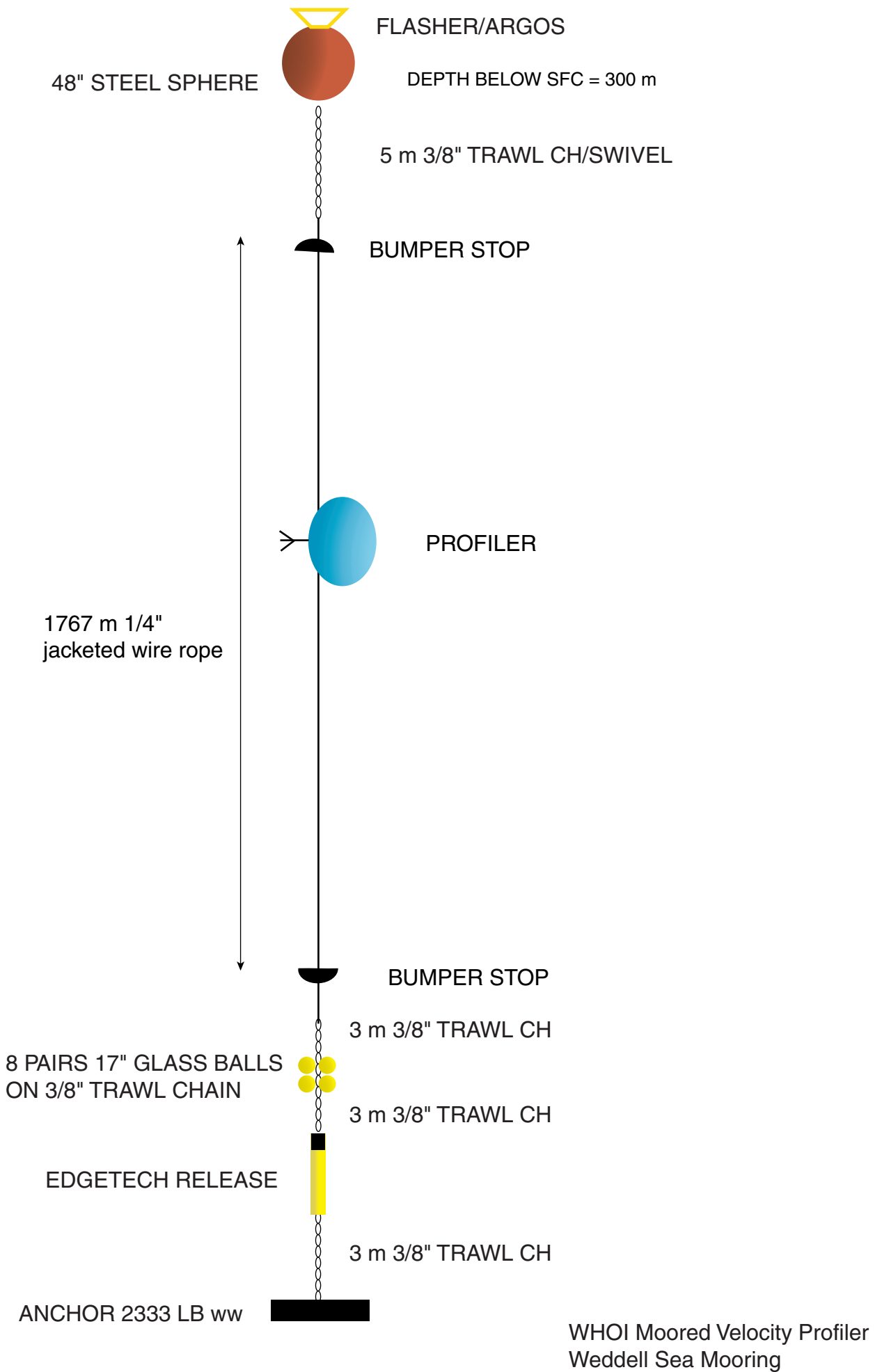


LMG04-04

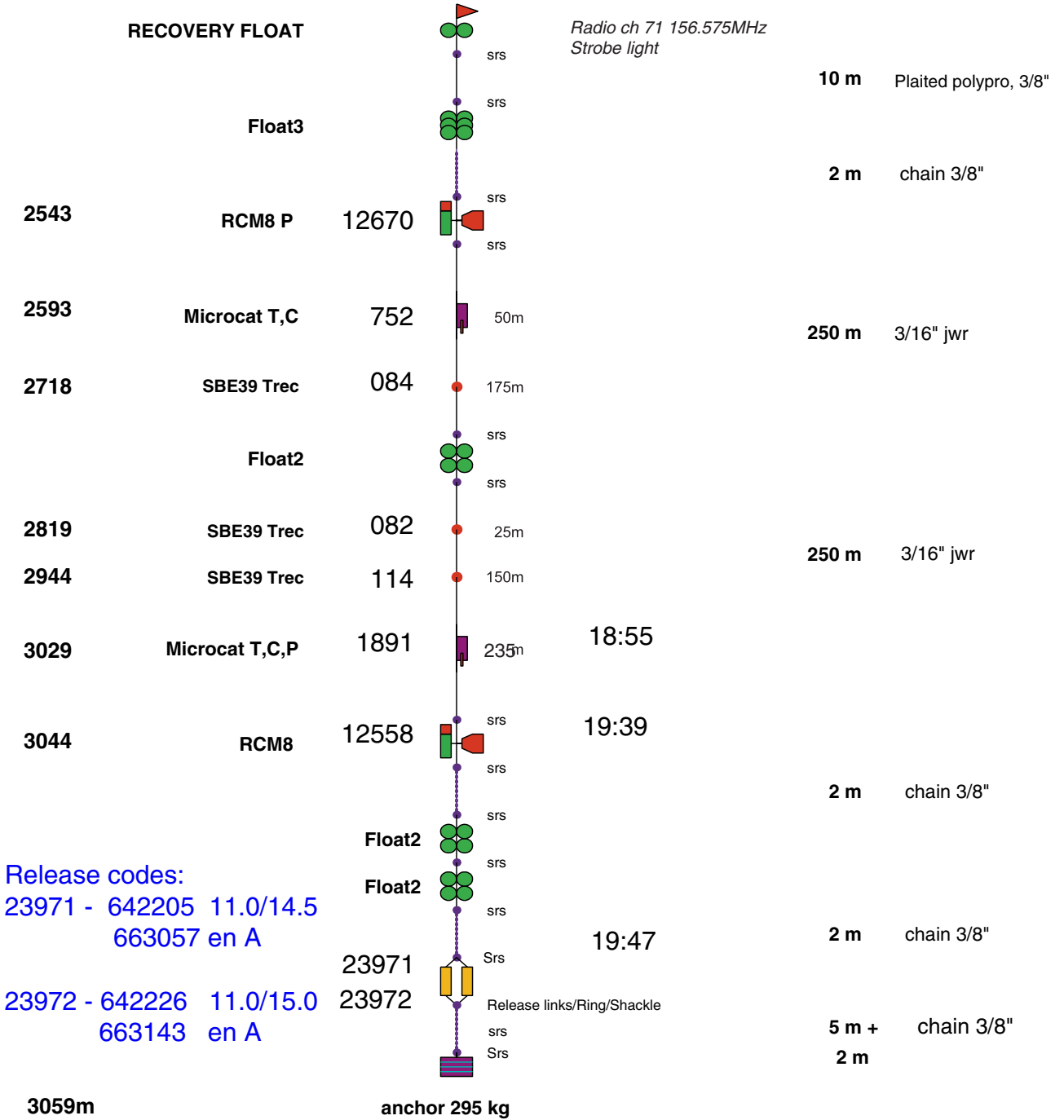
(no recoveries possible due to ice conditions

- deployed M4)

Instrument	serial number	parameters	Cal date	depth	comments/status
M101	62° 30.174S	43° 17.937 W		1939	Deployed from AR Feb 22 2001 2027Z
Argos xmitter	21427				
Moored Velocity Profiler	3	CTD, U, V			whoi
Release	15969				
					<i>Recovery/redeployment not attempted during NBP01-06 per request of J Toole</i>
M201	62° 37.435S	43° 14.881W		3059	Deployed from NBP01-06 24 Nov 2001 1948Z
Aanderaa RCM8	12670	u,v,p,t		2543	
SBE37	752	t,c,p	000829	2593	
SBE39	084	t	000905	2718	
SBE39	082	t	001019	2819	
SBE39	114	t	010802	2944	
SBE37	1891	t,c,p	new	3029	
RCM8	12558	u,v,t		3044	
Release	23971				New battery
Release	23972				New battery
M301	63° 31.367S	041°47.202W		4565	Deployed from NBP01-06 22 Nov 2001 21:01Z (4604 m uncor on Knudsen 3.5kHz)
Aanderaa RCM8	12677	u,v,p,t		4049	
SBE37	1351	t,c,p	000111	4099	
SBE39	113	t	990117	4224	
SBE39	229	t	991228	4325	
SBE39	083	t	010802	4450	
SBE37	0753	t,c,p	010726	4535	
Aanderaa RCM8	12669	u,v,t		4550	
Release	23969				
Release	25181				
M404	60° 39.164 S	042° 04.774 W		3637	Deployed 22 April 2004 22:59Z
SBE37	2711	t,c,p		3122	
SBE39	1586	t,p		3221	
SBE37	2710	t,c,p		3321	
SBE39	1310	t,p		3422	
SBE37	2956	t,c,p		3522	
SBE39	1247	t,p		3572	
SBE37	2678	t,c,p		3621	
Release 8242	32134				New
Release 8242	32135				new



CORC/ARCHES 2001		Mooring M20103	NBP01-06	62 37.435 S	43 14.881 W
depth	component	S/N	time	length	rope



	ANCHOR DROP	TOP FLOAT UNDER
POSITION:	62° 37.435' S 43° 14.881' W	62° 37.165' S 43° 15.125' W
DATE / TIME:	24 Nov 2001 19:48Z	19:53
DEPTH:	3059 m (multibeam) 3106 m (Knudsen 3.5)	3039 m 3092 m

Hardware: srs - 1/2" shackle/ 5/8" pear link/ 1/2" shackle
 SrS - 5/8" shackle/ 5/8" pear link / 5/8" shackle

CORC/Arches Mooring M30103
Deployed 22 Nov 2001 NBP01-06

63 31.367 S 41 47.202 W

depth	component	S/N	time	length	rope
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4028 m	RECOVERY FLOAT				
				10 m	Plaited polypro, 3/8"
4039 m	Float3			2 m	chain 3/8"
4043 m	RCM8 P	12677	18:59		
4094 m	Microcat T,C,P	1351	19:04	250 m	3/16" jwr
4220 m	SBE39 Trec	113	19:10		
4295 m	Float2				
4321 m	SBE39 Trec	229	19:17		
4447 m	SBE39 Trec	083	19:22	250 m	3/16" jwr
4542 m	Microcat T,C	0753	19:28		
4548 m	RCM8	12669	20:55		
	Float2			2 m	chain 3/8"
	Float2				
	8242 release(2)	23969	20:59	2 m	chain 3/8"
	25181 - 323362 11.0/12.0 301566 en A	25181		7 m	chain 3/8"
4560 m	anchor 295.55 kg				

Release codes:
 23969 - 642144 11.0/13.5
 662653 en A















25181 - 323362 11.0/12.0
 301566 en A

ANCHOR DROP		TOP FLOAT UNDER	
POSITION:	63 31.367 S 41 47.202 W	63 31.641 S 41 47.329 W	
DATE / TIME:	22 Nov 2001 21:01	22 Nov 2001 21:07	
DEPTH:	4565 m (multibeam) 4604 m (Knudsen 3.5)	4567 m 4605 m	

Hardware: srs - 1/2" shackle/ 5/8" pear link/ 1/2" shackle

SrS - 5/8" shackle/ 5/8" pear link / 5/8" shackle

CORC Mooring M4 60 39.164S 42 4.774W 22-Apr-2004					
depth	component	S/N		length	time in water (local time)

3108 m	McLane Top	068 radio ? 140 light ?		frequency 159.480 MHz	18:59
			srs	10 m	
3119 m	McLane Float			synthetic rope	18:58
			srs	2 m	chain 13mm
			srs	1 m	3/16" wire jc
3122 m	Microcat T,C,P	2711			18:53
				99 m	3/16" wire jc
3221 m	SBE39 PTrac	1586			18:38
				100 m	3/16" wire jc
3321 m	Microcat T,C,P	2710			18:32
				50 m	3/16" wire jc
3372 m	McLane Float				
			srs	50 m	3/16" wire jc
			srs		
3422 m	SBE39 PTrac	1310			17:45
				100 m	3/16" wire jc
3522 m	Microcat T,C,P	2956			17:38
				50 m	3/16" wire jc
3572 m	SBE39 PTrac	1247			17:33
				40 m	3/16" wire jc
3621 m	Microcat T,C,P	2678			17:30
				1 m	3/16" wire jc
			srs	2 m	chain 13mm
3625 m	McLane Float				
3626 m	McLane Float				17:23
			srs	2 m	chain 13mm
			srs		
3629 m	8242 release(2)	32134 32135			17:23
		enable: 112127 112161	Srs	7 m	chain 13mm
		disable: 112142 112203	Srs		
		Release: 130700 130723	Srs		
	anchor	293.25 kg			17:18
3637 m					

Top float released			
Position	60 39.164' S	42 4.774' W	
Date/Time	22 April 2004	22:59 GMT	
Depth	3637m		

Lamont-Doherty Earth Observatory 8242XS Release Data

SN	Interr freq		Reply freq		Pulse msec	Enable		Disable	Release	notes
	A	B	A	B		A	B			
23969	11	9	13.5	11	8.5	662653	662670	662701	642144	
23970	11	9	14	11	8.5	662747	662764	663011	642167	
23971	11	9	14.5	11	8.5	663057	663074	663105	642205	
23972	11	9	15	11	8.5	663143	663160	663202	642226	
25181	11	9	12	11	8.5	301566	301604	301627	323362	
25182	11	9	12	11	8.5	301661	301710	301733	323405	
32134	11	-	12	-	10.0	112127	-	112142	130700	New feb 04
32135	11	-	12	-	10.0	112161	-	112203	130723	New Feb 04