

## 7 Lists

### 7.1 Leg M39/1

#### 7.1.1 Locations for sediment and plankton/water samples

Geomar no.	Meteor no.	date	device	time (UTC)	latitude (N)	longitude (W)	water depth (m)	recovery (m)	re m a r k s
M39001-1	121	20.04.1997	ROS/CTD	16:17	36°02.608	7°45.572	1145		Pinger at 30 m, 12/12 1156, 1119, 988, 946, 921, 845, 797, 677, 576, 345, 147, 10
M39001-2	121	20.04.1997	GoFlo	18:53	36°02.491	7°45.606	1132		Water samples at: 607, 710, 830, 878, 954, 974, 1022, 1052, 1089, a test
M39001-3	121	20.04.1997	PN	18:30			1131		
M39001-4	121	20.04.1997	CTD	19:53	36°02.3	7°45.7	1131		CTD-Test
M39002-1	122	21.04.1997	BC	07:15	36°01.7	7°46.6	1208		Box washed out
M39002-2	122	21.04.1997	BC	08:12	36°01.7	7°46.5	1209	0.49	
M39002-3	122	21.04.1997	MUC	09:28	36°1.6	7°46.5	1205	0.38	! tube empty
M39002-4	122	21.04.1997	PN	09:22					
M39002-5	122	21.04.1997	GC6	12:42	36°1.7	7°46.4	1205	4.7	
M39002-6	122	21.04.1997	GC12	12:05	36°1.6	7°46.4	1212	5.82	
M39002-7	122	21.04.1997	GoFlo	12:52	36°01.712	7°47.086	1214		Water samples at: 231, 452, 500/F(S), 601, 774, 811(S)
M39003-1	123	22.04.1997	BC	17:01	36°06.7	7°13.4	802	0.42	
M39003-2	123	22.04.1997	MUC	17:48	36°6.6	7°13.4	801	0.36-0.40	
M39003-3	123	22.04.1997	GC6	18:33	36°6.7	7°13.3	800	3.52	
M39003-4	123	22.04.1997	PN	17:15					
M39003-5	123	22.04.1997	GC12	19:26	36°6.6	7°13.3	798	0	Core bent
M39003-6	123	22.04.1997	ROS / CTD	20:41	36°6.8	7°14.1	803		Pinger at 30 m, 12/12 804, 777.6, 642, 502, 401.5, 303.1, 277.7, 211, 154, 103.5, 53.6, 12.3
M39003-7	123	22.04.1997	GoFlo	22:26	36°6.6	7°14.0	824		Water samples at: 79, 181, 330, 429, 524, 664, 784 (S)
M39004-1	124	23.04.1997	BC	21:01	36°14.2	7°43.9	966	0.46	
M39004-2	124	23.04.1997	MUC	21:53	36°14.2	7°43.8	968	0.40-0.44	
M39004-3	124	23.04.1997	GC6	22:49	36°14.3	7°43.8	968	5.75	
M39004-4	124	23.04.1997	GC12	23:52	36°14.2	7°43.9	968	0	Tube lost
M39004-5	124	24.04.1997	GC12	01:22	36°14.2	7°43.8	968	6.17	
M39005-1	125	24.04.1997	Grab	07:55	36°32.0	6°44.0	119	0.2-0.3	dark, olive-greyish silty finesand
M39005-2	125	24.04.1997	BC	08:33	36°32.1	6°44.1	118.3	0	not triggered
M39005-3	125	24.04.1997	BC	08:48	36°32.2	6°44.1	118	0.34	
M39006-1	126	24.04.1996	BC	09:45	36°30.7	6°46.4	214	0.34	
M39006-2	126	24.04.1996	PN	09:40					
M39007-1	127	24.04.1997	Grab	11:17	36°37.2	6°54.8	467		Finesand with abundant quartz and carbonate
M39008-1	128	24.04.1997	Grab	13:02	36°22.9	7°04.5	578		Clayish Silt with planktic Foraminifera
M39008-2	128	24.04.1997	GC6	13:33	36°23.0	7°04.4	579		
M39008-3	128	24.04.1997	GC8.5	14:30	36°22.8	7°04.3	577	5.77	
M39008-4	128	24.04.1997	BC	15:27	36°22.7	7°04.2	577	0.32	
M39008-5	128	24.04.1997	PN						
M39009-1	129	24.04.1997	BC	16:42	36°21.0	7°08.5	681	0.36	BC
M39010-1	130	24.04.1997	Grab	18:05	36°19.3	7°12.4	878		Sandstone with attached Hydrozoas, Ascidiaceae, Bryozoas, Poriferas, Serpulidae, juvenile Pectinidae
M39010-2	130	24.04.1997	Grab	18:48	36°19.3	7°12.4	882		coarse sand with biogenic debris
M39011-1	131	24.04.1997	Grab	20:05	36°16.3	7°12.9	846		coarse sand with lithoclastic and biogenic material
M39012-1	132	24.04.1997	Grab	21:13	36°14.7	7°13.1	873		coarse sand with lithoclastic and biogenic material
M39013-1	133	24.04.1997	Dredge	22:28 - 22:55	36°19.2 - 36°19.2	7°12.4 - 7°12.7	871		boulder with sessile epifauna, seaurchin
M39014-1	134	25.04.1997	Dredge	0:21 - 0:50	36°16.3 - 36°16.5	7°12.9 - 7°13.4	850		boulder with sessile epifauna, seaurchin
M39014-2	134	25.04.1997	Dredge	1:52 - 2:25	36°16.2 - 36°16.3	7°12.8 - 7°13.3	847		sandstone pebbles, corals, compacted sand with biogenics
M39015-1	135	25.04.1997	ROS/CTD	05:14	36°14.240	7°43.832	970		Pinger at 30 m, 12/12 373, 856, 792, 704, 622.3, 532, 448.5, 374, 203, 117, 64.3, 10.6
M39015-2	135	25.04.1997	GoFlo	07:22	36°14.2	7°43.8	967		Water samples at: 64, 374, 622, 702, 792, 856, 938 (S)
M39015-3	135	25.04.1997	GC12	09:59	36°14.2	7°43.8	967	3.37	

List of M39/1 site locations for sediment and plankton/water sampling.

Geomar no.	Meteor no.	date	device	time (UTC)	latitude (N)	longitude (W)	water depth (m)	recovery (m)	remarks
M39016-1	136	26.04.1997	BC	14:54	36°46.7	7°42.2	581	0.33	
M39016-2	136	26.04.1997	MUC	15:37	36°46.7	7°42.1	581	0.20-0.22	4 empty liners
M39016-3	136	26.04.1997	GC6	16:08	36°46.7	7°42.2	581	2.44	
M39017-1	137	26.04.1997	ROS/CTD	20:54	36°39.0	7° 24.7	527		Pinger at 30 m, 12/12 529, 511, 487.5, 462, 410, 380.6, 302, 202, 138.6, 100.7, 60.6, 10.6
M39017-2	137	26.04.1997	GoFlo	22:18	36°39.0	7° 24.5	533		Water samples at: 204, 304, 383, 412, 464, 490, 507
M39017-3	137	26.04.1997	GC6	23:00	36°39.0	7°24.5	533	4.1	
M39017-4	137	26.04.1997	MUC	23:42	36°38.9	7°24.6	532	0.18-0.21	5 empty liners
M39017-5	137	26.04.1997	BC	00:24	36°39.0	7°24.6	533	0.27	
M39017-6	137	26.04.1997	PN	23:32					
M39018-1	138	27.04.1997	BC	02:06	36°45.2	7° 15.1	496	0.32	
M39018-2	138	27.04.1997	GC6	02:41	36°45.2	7°15.1	496	2.88	
M39019-1	139	27.04.1997	Grab	13:46	36°44.9	8° 06.2	729		
M39019-2	139	27.04.1997	BC	14:22	36°44.9	8°06.1	730	0.16	
M39020-1	140	27.04.1997	BC	15:16	36°44.3	8° 06.3	726	0.32	
M39020-2	140	27.04.1997	GC6	16:06	36°44.4	8°6.2	728	2	Core bent
M39020-3	140	27.04.1997	PN	15:33 - 15:50					
M39021-1	141	28.04.1997	ROS/CTD	12:26	36°36.5	8°15.4	900		12/12 901, 861, 821, 790, 758, 664, 526, 497, 392, 101, 50/52, 10/11
M39021-2	141	28.04.1997	GoFlo	13:44	36°36.5	8°15.3	900		Water samples at: 860, 875 (S)
M39021-3	141	28.04.1997	Grab	14:44	36°36.5	8°15.4	903		middle sand, clay
M39021-4	141	28.04.1997	PN	14:25					
M39021-5	141	28.04.1997	BC	15:30	36°36.5	8°15.3	901	0.06	
M39022-1	142	28.04.1997	BC	17:02	36°42.7	8°15.6	668	0.36	
M39022-2	142	28.04.1997	PN	16:54					
M39022-3	142	28.04.1997	MUC	17:40	36°42.7	8°15.6	668	0.24-0.27	4 Tubes empty, not triggered
M39022-4	142	28.04.1997	GC6	18:20	36°42.7	8°15.6	668	2.66	
M39023-1	143	28.04.1997	Grab	19:41	36°44.1	8°15.3	728	full	silty middle sand, corals, brachiopods
M39023-2	143	28.04.1997	PN	19:23					
M39023-3	143	28.04.1997	BC	20:20	36°44.1	8°15.3	730	0.34	
M39024-1	144	29.04.1997	Grab	10:20	36°53.1	8°18.8	103		not closed
M39024-2	144	29.04.1997	Grab	10:31	36°52.9	8°18.8	106	full	clayish silt with endobenthic bivalves
M39024-3	144	29.04.1997	PN	10:20					
M39025-1	145	29.04.1997	Grab	11:26	36°48.2	8°18.7	272	full	clayish silt with endobenthic bivalves (Nucula)
M39025-2	145	29.04.1997	PN	11:22					
M39026-1	146	29.04.1997	Grab	12:09	36°47.7	8°19.1	308	full	clayish silt with Nucula
M39026-2	146	29.04.1997	PN						
M39027-1	147	29.04.1997	Grab	12:52	36°46.9	8°19.0	396		silty fine sand
M39027-2	147	29.04.1997	PN	12:41					
M39028-1	148	29.04.1997	Grab	13:37	36°46.2	8°18.9	545	not closed	
M39028-2	148	29.04.1997	PN	13:22					
M39028-3	148	29.04.1997	Grab	14:08	36°46.1	8°18.9	550	full	silty fine to middle sand, with Bivalves and Coralls
M39029-1	149	30.04.1997	CTD/ROS	12:53	36°2.6	8°13.8	1915		pinger at 30 m, 12/12 1933, 1710, 1503, 1326, 1207, 896, 696, 543, 301, 102, 51, 12
M39029-2	149	30.04.1997	GoFlo	15:36	36°2.7	8°14.0	1914		Water samples at: 540, 1320, 1700, 1890 (S)
M39029-3	149	30.04.1997	BC	17:27	36°02.5	8°14.0	1917	0.36	
M39029-4	149	30.04.1997	GC6	18:39	36°2.5	8°14.0	1918	3.055	russian core device
M39029-5	149	30.04.1997	PN	19:00			1917		
M39029-6	149	30.04.1997	MUC	19:50	36°2.5	8°14.0	1919	0.31-0.45	
M39029-7	149	30.04.1997	GC6	21:05	36°2.5	8°13.8	1917	5.02	kiel core device
M39029-8	149	30.04.1997	GC9	22:54	36°2.5	8°13.8	1916	5.21	kiel core device
M39030-1	150	01.05.1997	Grab	09:08	37°13.5	9°12.7	159.8		carbonate fine sand to coarse sand
M39031-1	150*	01.05.1997	Grab	09:35	37°13.4	9°12.9	146.6	empty	
M39032-1	151	01.05.1997	Grab	10:08	37°12.9	9°13.5	310	not closed	
M39032-2	151	01.05.1997	Grab	10:24	37°13.0	9°13.5	293	not closed	
M39032-3	151	01.05.1997	Grab	10:43	37°12.9	9°13.5	322		silty middle to coarse sand
M30033-1	152	01.05.1997	Grab	11:57	37°10.5	9°17.9	319	not closed	
M30033-2	152	01.05.1997	Grab	12:13	37°10.5	9°17.8	319	full	silty, carbonate sand
M39034-1	153	01.05.1997	Grab	12:56	37°10.9	9°17.4	197		carbonate sand
M39034-2	153	01.05.1997	Dredge	13:40	37°10.9 - 37°10.9	9°17.5 - 9°17.4	186		stones, sponge, echinodermes
M39034-3	153	01.05.1997	Drege	14:14	37°10.9 - 37°10.9	9°17.5 - 9°17.4	184		searuchins

List of M39/1 site locations for sediment and plankton/water sampling.

Geomar no.	Meteor no.	date	device	time (UTC)	latitude (N)	longitude (W)	water depth (m)	recovery (m)	re m a r k s
M39035-1	154	02.05.1997	CTD/ROS	09:17	37°49.3	9°30.2	1086		pinger at 30 m, 12/12 1094, 1005.6, 928.7, 856.6, 679, 633.3, 605, 354, 201.6, 101.6, 52.1, 10.7
M39035-2	154	02.05.1997	GoFlo	10:52	37°49.3	9°30.2	1084		water samples at: 352, 601, 630, 675, 923, 1059 (S)
M39035-3	154	02.05.1997	MUC	12:00	37°49.350	9°30.1	1085	0.18-0.44	
M39035-4	154	02.05.1997	PN	11:36					
M39036-1	155	02.05.1997	BC	14:07	37°48.3	9°41.0	1747	0.46	
M39036-2	155	02.05.1997	GC6	15:20	37°48.3	9°40.8	1746	5.71	
M39036-3	155	02.05.1997	PN	14:20					
M39036-4	155	02.05.1997	GC12	16:46	37°48.3	9°40.8	1745	7.17	
M39037-1	156	02.05.1997	GC12	20:18	37°48.5	9°59.77	2533	7	
M39037-2	156	02.05.1997	PN	19:51					
M39037-3	156	02.05.1997	BC	21:44	37°48.5	9°59.6	2532	0.29	
M39038-1	157	03.05.1997	Grab	03:37	37°44.7	9°28.1	508.8		silty carbonate middle to coarse sand
M39039-1	158	03.05.1997	Grab	05:16	37°44.3	9°30.8	1014	full	silty clay
M39040-1	159	03.05.1997	Grab	06:19	37°44.1	9°30.2	800		clayish silt
M39041-1	160	03.05.1997	Grab	07:18	37°43.9	9°29.6	660		silty carbonate sand
M39042-1	161	03.05.1997	Grab	08:06	37°43.7	9°29.2	568		middle sand
M39043-1	162	03.05.1997	Grab	08:54	37°43.4	9°28.5	424		mudpebbles, pebble with sessile organisms, ophiurae (Starfish)
M39043-2	162	03.05.1997	Grab	09:13	37°43.5	9°28.5	401		
M39044-1	163	03.05.1997	Grab	09:47	37°43.5	9°28.5	398		fine to middle sand with ophiurae
M39045-1	164	03.05.1997	Grab	10:33	37°43.7	9°27.6	470	not closed	
M39045-2		03.05.1997	Grab	10:54	37°43.7	9°27.6	470		
M39046-1	165	03.05.1997	Grab	11:50	37°44.1	9°26.3	740	not closed	
M39046-2	165	03.05.1997	Grab	12:25	37°44.0	9°26.3	716		
M39047-1	166	03.05.1997	Grab	14:39	37°33.8	9°11.1	451		glaucconitic sand with benthic forams and bivalves
M39047-2	166	03.05.1997	PN	14:30					
M39048-1	167	03.05.1997	Grab	16:08	37°37.3	9°02.8	253		carbonate sand
M39048-2	167	03.05.1997	PN	16:03					
M39049-1	168	03.05.1997	Grab	18:48	37°42.9	8°50.5	51	not closed	
M39049-2	168	03.05.1997	PN	18:46					
M39049-3	168	03.05.1997	Grab	18:53	37°42.9	8°50.5	55	empty	carbonate coarse sand with bivalves; pebbles with sessile epifauna
M39049-4	168	03.05.1997	Grab	19:02	37°42.9	8°50.6	55		
M39050-1	169	03.05.1997	Grab	19:38	37°42.1	8°52.5	93	empty	
M39050-2	169	03.05.1997	PN	19:34					
M39050-3	169	03.05.1997	Grab	19:49	37°42.1	8°52.6	93		carbonate coarse sand, pebbles with sessile epifauna
M39051-1	170	03.05.1997	Grab	20:30	37°40.7	8°55.1	127		middle sand with glauconite
M39051-2	170	03.05.1997	PN	20:28					
M39052-1	171	03.05.1997	Grab	21:15	37°39.6	8°57.7	145.3		glaucconitic middle to coarse sand
M39052-2	171	03.05.1997	PN	21:10					
M39053-1	172	03.05.1997	Grab	21:56	37°38.8	8°59.5	164		glaucconitic middle to coarse sand
M39053-2	172	03.05.1997	PN	21:51					
M39054-1	173	03.05.1997	Grab	22:36	37°38.1	9°00.8	200		glaucconitic middle to coarse sand
M39054-2	173	03.05.1997	PN	22:31					
M39055-1	174	04.05.1997	Grab	07:22	38°49.9	10°02.1	180		carbonate sand
M39056-1	175	04.05.1997	Grab	07:48	38°49.9	10°01.8	119		sponge
M39057-1	176	04.05.1997	Dredge	10:45 -11:19	39°05.0	10°10.1	150 (190)		boulders, pebbles with sessile epifauna, crinoids
M39058-1	177	04.05.1997	BC	16:50	39°02.4	10°40.8	1975	0.29	
M39058-2	177	04.05.1997	GC6	18:14	39°2.4	10°40.8	1974	3.2	
M39058-3	177	04.05.1997	PN	18:05					
M39059-1	178	04.05.1997	GC6	20:04	39°04.0	10°32.1	1605	0.95	
M39059-2	178	04.05.1997	BC	20:45	39°4.1	10°32.2	1605	0.18	
M39060-1	179	05.05.1997	BC	12:15	40°06.3	09°51.3	1166	0.3	Chalk with attached organisms
M39061-1	180	05.05.1997	BC	14:10	40°06.5	09°41.8	544	0.3	

## 7.1.2 Water sampling sites for plankton assemblage studies

Filter Nr.	Date	METEOR Station	GEOMAR Number	Latitude N	Longitude W	Water depth [m]	Water temp. [°C]	Salinity	Water filtered [l]
1	20/04/97	# 121	M 39001-1	36° 02,6	011° 45,6	10	17.92	36.41	1
2						147	14.61	36.02	1.5
3						345	12.52	35.68	2
4						797	10.44	35.70	1.5
5						946	10.35	35.91	1.5
6						Sea floor at: 1176 m	1156	11.19	36.24
7	22/04/97	# 123	M39003-6	36° 06,9	007° 14,0	10	18	36.50	1.5
8						50	17	36.40	2
9						100	15.7	36.20	2
10						211	14.5	36.00	2
11						502	11.3	35.60	2
12						Sea floor at: 810 m	804	11.15	36.06
13	24/04/97	# 135	M39015-1	36° 14,2	007° 43,8	10	17.9	36.40	2
14						64	17.2	36.40	2
15						117	15.8	36.20	2
16						203	14.1	35.90	2
17						622	11.2	35.60	2
18						Sea floor at: 945 m	937	12.3	36.50
19	26/04/97	# 137	M39017-1	36° 38,9	007° 24,5	10	18.2	36.40	2
20						60	17.3	36.40	2
21						100	16.2	36.30	2
22						202	14.2	36.00	2
23						410	12.4	35.70	2
24						Sea floor at: 535 m	529	12.3	36.10
25	28/04/97	# 141	M 39021-1	36° 36,500	008° 15,300	10	18.16	36.34	2
26						50	17.61	36.45	2
27						100	16.24	36.31	2
28						390	12.36	35.70	2
29						525	11.32	35.64	2
30						Sea floor at: 892 m	860	12.51	36.51
31	30/04/97	# 149	M 39029-1	36° 02,568	008° 13,752	10	18.9	36.50	2
32						50	17.8	36.50	2
33						100	15.8	36.20	2
34						544	10.8	35.60	2
35						897	9.6	35.60	2
36						Sea floor at: 1950 m	1503	8	35.70
37	02/05/97	# 154	M 39035-1	37° 49,360	009° 30,226	10	18.3	36.20	2
38						50	16.6	36.20	2
39						100	15.1	36.10	2
40						354	12.6	35.70	2
41						680	12.6	36.20	2
42						Sea floor at: 1088 m	1005	12.6	36.30
43	06/05/97	# 184	M 39065-1	40° 34,768	010° 20,962	10	16.83	35.98	2
44						50	14.57	35.91	2
45						100	13.85	35.85	2
46						400	11.47	35.58	2
47						793	12.1	36.16	2
48						Sea floor at: 3350 m	1186	11.33	36.20

Filter Nr.	Date	METEOR Station	GEOMAR Number	Latitude N	Longitude W	Water depth [m]	Water temp. [°C]	Salinity	Water filtered [l]
49	09/05/97	# 193	M 39073-1	43° 51,600	009° 50, 089	10	14	35.70	1.5
50						50	14	35.70	1.5
51						100	12.8	35.70	2
52						457	11.2	35.50	2
53						993	10.9	36.02	2
54						Sea floor at: 3200 m	2041	3.79	34.97



Table 5, continued																																	
GEO																																	
MAR Number	M 39001	M 39002	M 39003	M 39006	M 39008	M 39017	M 39020	M 39021	M 39022	M 39023	M 39024	M 39025	M 39026	M 39027	M 39028	M 39029	M 39035	M 39037	M 39047	M 39048	M 39049	M 39050	M 39051	M 39052	M 39053	M 39054	M 39058	M 39065	M 39070	M 39073	M 39075	M 39076	
Species																																	
<i>Tintinnus tuberculatus</i>				x						x		x	x		x	x	x	x	x	x				x			x						
<i>Amphorides quadrilineata</i>																												x	x		x	x	
<i>Dadayiella bulbosa</i>			x		x	x						x					x		x	x	x	x	x	x	x	x		x					
<i>Dadayiella acutiformis</i>																						x											
<i>Dictyocysta spp.</i>																							x		x			x			x	x	
<i>Steenstrupiella steenstrupii</i>																														x			
<i>Rhabdonella spp.</i>																			x	x	x						x	x					
<i>Parafavella sp</i>			x														x																
<i>Xystonellopsis spp.</i>													x	x																			
<i>Epiplocyloides spp.</i>			x																														
Foraminifera, nonspinos	x				x															x	x	x											
Foraminifera, spinous	x	x			x	x	x	x	x	x							x		x	x				x	x			x	x		x	x	
Larvae indet.	x	x	x	x	x	x		x	x	x	x	x				x	x	x				x			x		x	x	x	x			
Radiolarian							x									x												x					

## 7.2 Leg M39/2

### 7.2.1 CTD Inventory

Stat	Prof	Date			Hour	Latitude	Longitude	Depth	Pmax
		YYYY	MM	DD					
199	1	1997	5	16	9.000	50.6133	-9.0631	127	104
200	2	1997	5	17	9.000	54.6656	-10.5825	342	324
201	3	1997	5	17	10.000	54.7373	-10.7316	1646	1662
201	4	1997	5	17	13.000	54.7372	-10.7184	1540	1554
202	5	1997	5	17	15.000	54.7998	-10.8638	1922	1942
203	6	1997	5	17	19.000	54.9009	-11.0960	2630	2632
204	7	1997	5	18	0.000	55.1429	-11.6393	2630	2796
205	8	1997	5	18	6.000	55.5772	-12.6013	2829	2838
206	9	1997	5	18	12.000	55.9998	-13.5626	2829	2552
207	10	1997	5	18	15.000	56.1419	-13.8858	2196	2192
208	11	1997	5	18	19.000	56.2832	-14.2142	1118	1106
209	12	1997	5	18	23.000	56.5619	-14.8277	200	174
210	13	1997	5	19	4.000	56.9964	-15.9990	1075	1056
211	14	1997	5	19	8.000	57.2823	-16.8920	1302	1276
212	15	1997	5	19	13.000	57.6181	-17.6186	1244	1228
213	16	1997	5	19	17.000	57.9157	-18.5818	849	856
214	17	1997	5	19	22.000	58.2678	-19.5044	9999	1586
215	18	1997	5	20	4.000	58.6668	-20.6338	2909	2916
216	19	1997	5	20	11.000	59.0868	-21.8491	2408	2878
217	20	1997	5	20	17.000	59.4084	-22.8425	2516	2508
218	21	1997	5	20	22.000	59.7442	-23.8193	2636	2354
219	22	1997	5	21	4.000	60.0704	-24.7252	2287	2278
220	23	1997	5	21	13.000	60.3772	-25.6542	2287	2126
221	24	1997	5	21	16.000	60.5694	-26.2344	1927	1920
222	25	1997	5	21	20.000	60.7676	-26.8329	9999	1548
223	26	1997	5	22	0.000	60.9534	-27.3308	1364	1786
224	27	1997	5	22	3.000	61.1661	-27.9373	976	944
225	28	1997	5	22	14.000	59.6670	-29.8243	1088	1080
226	29	1997	5	22	20.000	59.2089	-28.5529	2054	2016
227	30	1997	5	23	2.000	58.7604	-27.2662	2054	2200



228	31	1997	5	23	9.000	58.2659	-26.0048	2569	2562
229	32	1997	5	23	16.000	57.7941	-24.7145	2812	2810
230	33	1997	5	23	23.000	57.3007	-23.4189	3052	3058
231	34	1997	5	24	6.000	56.8255	-22.1344	2295	2284
232	35	1997	5	24	14.000	56.2951	-20.8421	1563	1560
233	36	1997	5	25	0.000	56.0012	-23.3165	2345	2344
234	37	1997	5	25	11.000	55.6912	-25.7763	3311	3322
235	38	1997	5	25	21.000	55.4001	-27.9416	2804	2806
236	39	1997	5	26	6.000	55.1273	-30.2160	2804	2996
237	40	1997	5	26	14.000	54.9152	-31.6450	2617	2618
238	41	1997	5	26	19.000	54.7844	-32.5150	2632	2622
239	42	1997	5	27	0.000	54.6750	-33.3384	2458	2442
240	43	1997	5	27	6.000	54.5770	-34.1944	1749	1714
241	44	1997	5	27	9.000	54.5072	-34.7265	1499	1412
242	45	1997	5	27	19.000	54.2773	-32.8919	2707	2700
243	46	1997	5	28	0.000	54.3644	-33.5911	2647	2714
244	47	1997	5	28	7.000	54.0568	-32.3555	2831	2798
245	48	1997	5	28	16.000	53.5449	-31.0454	3174	3162
245	49	1997	5	28	19.000	53.5356	-31.0461	3178	3158
245	50	1997	5	28	21.000	53.5309	-31.0331	3175	3156
246	51	1997	5	29	3.000	53.2521	-30.3054	3066	3054
247	52	1997	5	29	12.000	52.9652	-29.5679	3389	3402
248	53	1997	5	29	20.000	52.4885	-28.4173	3779	3792
249	54	1997	5	31	4.000	53.8349	-31.7787	2848	2862
250	55	1997	5	31	22.000	53.2172	-35.1645	2749	2734
251	56	1997	6	1	2.000	52.8671	-34.9184	3335	3310
252	57	1997	6	1	6.000	52.7510	-35.0010	3152	3174
253	58	1997	6	1	9.000	52.6503	-34.9970	3412	3420
254	59	1997	6	1	14.000	52.3477	-35.0022	3856	3876
255	60	1997	6	1	18.000	52.0989	-35.0016	3324	3366
256	61	1997	6	2	1.000	51.3488	-34.9972	3300	3312
257	62	1997	6	2	8.000	51.4490	-33.4906	3868	3898
258	63	1997	6	2	16.000	51.6081	-32.0429	2981	3046
259	64	1997	6	3	1.000	51.7665	-30.3364	2300	2274
260	65	1997	6	3	5.000	51.7508	-30.0036	3238	3242
261	66	1997	6	3	9.000	51.8290	-29.5218	2243	2398
261	67	1997	6	3	11.000	51.8315	-29.5219	2358	2416

261	68	1997	6	3	13.000	51.8370	-29.5223	2358	2474
262	69	1997	6	3	18.000	52.0003	-28.9596	3755	3792
263	70	1997	6	4	0.000	52.3165	-28.1166	3770	3804
264	71	1997	6	4	9.000	52.9329	-26.5365	3704	3736
265	72	1997	6	4	20.000	51.7607	-24.7344	3929	3962
266	73	1997	6	5	14.000	51.0518	-20.5638	4307	4366
267	74	1997	6	5	23.000	50.7333	-18.6706	4723	4806
268	75	1997	6	5	10.000	50.4215	-16.7619	4745	4836
269	76	1997	6	5	18.000	50.5274	-15.5674	4264	4324
270	77	1997	6	6	23.000	50.6337	-14.8419	3221	3264
271	78	1997	6	7	4.000	50.7176	-14.2003	1010	1002
272	79	1997	6	7	13.000	50.9880	-12.0890	1800	1812

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### 7.2.2 Mooring Activities

Sta. No.	Int. No.	IfM No.	Date 1997	Latitude North	Longitude West	Depth (m)	Instr. Type	Remarks incl. nominal instr.depth
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#### Current Meter Moorings

246	IM3	V388	29 May	53° 14.6' N	030° 16.0' W	3087	SoSo	No.23, Win.01:30Z @1407m ACM No.10078@1357m ACM No. 8412@2207m ACM No. 9819@2507m ACM No. 6159@2757m ACM No. 8575@3037m
242		V386	27 May	54° 17.1' N	032° 57.0' W	2723	ACM	No.12051@1213m ACM No. 9812@2063m ACM No. 7929@2363m ACM No. 7927@2673m
249		V387	31 May	53° 50.2' N	031° 43.6' W	2858	ACM	No.10074@1310m ACM No. 9311@2258m ACM No. 4570@2558m ACM No. 4563@2808m

#### Sound Source Moorings

219	IM1	V384	21 May	60° 04.3' N	024° 43.5' W	2281	SoSo	No. 24, Win 01:00Z @1381m ACM No. 9346 @ 1331 m Wdog ARGOS 2263
231	IM2	V385	24 May	56° 48.7' N	022° 08.0' W	2307	SoSo	No22, Win 00:30Z @1447m (see Fig. B3) no ac. release Wdog ARGOSS 2264

IM3 — see above —

SoSo	Sound source
Win	window
ACM	Aanderaa Current Meter
Wdog	Watch Dog buoy

### 7.2.3 List of RAFOS Float Launches

Sta. No.	IfM No.	Date 1997	Time Z	Latitude North	Longitude West	ARGOS Mission (DEC)	Mission (months)	Remarks
<i>RAFOS floats</i>								
203	403	17/5	22:05	54° 53.9' N	011° 05.8' W	12611	12	Eastern boundary Rockall Tr.
207	408	18/5	18:05	56° 08.6' N	013° 53.8' W	12617	18	Western boundary
215	405	20/5	07:07	58° 40.4' N	020° 38.4' W	12613	15	Maury Channel North
217	411	20/5	19:17	59° 24.6' N	022° 49.3' W	12620	24	Central Iceland Basin
220	407	21/5	14:56	60° 22.8' N	025° 39.4' W	12616	18	Reykjanes Ridge North
227	406	23/5	04:44	58° 45.7' N	027° 13.8' W	12614	15	Reykjanes Ridge South
229	404	23/5	18:32	57° 47.7' N	024° 42.4' W	12612	12	Central Iceland Basin
231	409	24/5	09:47	56° 48.4' N	022° 08.3' W	12618	21	Rockall Plateau West
234	410	25/5	13:39	55° 41.5' N	025° 45.8' W	12619	21	Maury Channel
245	401	29/5	00:46	53° 31.9' N	031° 01.6' W	4374	14	1 <sup>st</sup> float park (North)
261	402B	3/6	15:41	51° 50.7' N	029° 32.0' W	4375	24	2 <sup>nd</sup> float park (South)
.....								
<i>Dual Release RAFOS floats deployed by CTD probe ('Ofenrohr') (see Fig. B4)</i>								
245	412	28/5	18:07	53° 32.3' N	031° 02.6' W	4376	2+12	1 <sup>st</sup> float park (North)
245	413	28/5	20:38	53° 31.9' N	031° 02.2' W	4377	4+10	1 <sup>st</sup> float park (North)
245	414	28/5	23:14	53° 32.0' N	031° 01.9' W	12615	6+8	1 <sup>st</sup> float park (North)
261	415	3/6	10:28	51° 50.1' N	029° 31.4' W	5487	3+21	2 <sup>nd</sup> float park (South)
261	416	3/6	12:31	51° 50.2' N	029° 31.4' W	12610	6+18	2 <sup>nd</sup> float park (South)
261	417	3/6	14:31	51° 50.3' N	029° 31.6' W	12621	9+15	2 <sup>nd</sup> float park (South)

## 7.3 Leg M39/3

### 7.3.1 Station list of cruise M39/3

A2 R/V METEOR CRUISE 039 leg 3					Version 1.1 February 1998; 03.03.98 Update													
SHIP/CRS WOCE		CAST			UTC		POSITION				UNC		HT	ABOVE	WIRE	MAX	NO. OF	
EXPCODE	SECT	STNBR	CASTNO	TYPE	DATE	TIME	CODE	LATITUDE	LONGITUDE	NAV	DEPTH	BOTTOM	OUT	PRESS	BOTTLES	COMMENTS		
06MT039/3	A2	274	01	ROS	061397	0929	BE	48 55.3 N	13 16.3 W	GPS	3719							
06MT039/3	A2	274	01	ROS	061397	1044	BO	48 55.6 N	13 16.8 W	GPS	3719	09	3731	3500	22			
06MT039/3	A2	274	01	ROS	061397	1207	EN	48 55.6 N	13 17.3 W	GPS	3719							
06MT039/3	A2	275	02	ROS	061397	1416	BE	49 00.1 N	13 02.5 W	GPS	3124							
06MT039/3	A2	275	02	ROS	061397	1513	BO	49 00.2 N	13 02.5 W	GPS	3124	10	3107	3149	22			
06MT039/3	A2	275	02	ROS	061397	1627	EN	49 00.3 N	13 02.5 W	GPS	3124							
06MT039/3	A2	276	01	ROS	061397	1753	BE	49 00.0 N	12 58.9 W	GPS	2570							
06MT039/3	A2	276	01	ROS	061397	1843	BO	49 00.1 N	12 58.9 W	GPS	2570	07	2565	2598	22			
06MT039/3	A2	276	01	ROS	061397	1952	EN	49 00.0 N	12 59.4 W	GPS	2570							
06MT039/3	A2	277	01	ROS	061397	2149	BE	49 00.9 N	12 51.4 W	GPS	2019							
06MT039/3	A2	277	01	ROS	061397	2231	BO	49 00.9 N	12 51.6 W	GPS	2019	09	2004	2020	21			
06MT039/3	A2	277	01	ROS	061397	2337	EN	49 01.1 N	12 52.2 W	GPS	2019							
06MT039/3	A2	278	01	ROS	061497	0111	BE	49 03.1 N	12 41.5 W	GPS	1509							
06MT039/3	A2	278	01	ROS	061497	0142	BO	49 03.1 N	12 41.7 W	GPS	1509	11	1489	1450	17			
06MT039/3	A2	278	01	ROS	061497	0228	EN	49 03.1 N	12 41.9 W	GPS	1509							
06MT039/3	A2	279	01	ROS	061497	0436	BE	49 06.6 N	12 12.0 W	GPS	1013							
06MT039/3	A2	279	01	ROS	061497	0502	BO	49 06.6 N	12 12.1 W	GPS	1013	10	1004	0999	13			
06MT039/3	A2	279	01	ROS	061497	0536	EN	49 06.7 N	12 12.5 W	GPS	1013							
06MT039/3	A2	280	01	ROS	061497	0847	BE	49 11.0 N	11 26.2 W	GPS	495							
06MT039/3	A2	280	01	ROS	061497	0900	BO	49 11.2 N	11 26.2 W	GPS	495	10	482	0469	8			
06MT039/3	A2	280	01	ROS	061497	0923	EN	49 11.2 N	11 26.3 W	GPS	495							
06MT039/3	A2	281	01	ROS	061497	1036	BE	49 11.9 N	11 11.0 W	GPS	200							
06MT039/3	A2	281	01	ROS	061497	1046	BO	49 11.9 N	11 10.9 W	GPS	200	09	185	0177	5			
06MT039/3	A2	281	01	ROS	061497	1104	EN	49 12.1 N	11 10.8 W	GPS	200							
06MT039/3	A2	282	01	ROS	061497	1329	BE	49 13.9 N	10 38.9 W	GPS	160							
06MT039/3	A2	282	01	ROS	061497	1338	BO	49 13.9 N	10 38.9 W	GPS	160	09	147	0150	7			
06MT039/3	A2	282	01	ROS	061497	1354	EN	49 13.9 N	10 38.8 W	GPS	160							
06MT039/3	A2	283	01	ROS	061597	2315	BE	48 55.3 N	13 16.4 W	GPS	3729							
06MT039/3	A2	283	01	ROS	061697	0020	BO	48 55.5 N	13 16.2 W	GPS	3729	09	3735	3770	22			
06MT039/3	A2	283	01	ROS	061697	0151	EN	48 55.9 N	13 15.9 W	GPS	3729							

06MT039/3 A2	283	02	ROS	061597	0219	BE	48	55.9	N	13	15.9	W	GPS	3723					
06MT039/3 A2	283	02	ROS	061597	0319	BO	48	55.8	N	13	15.9	W	GPS	3723		09	3564	3499	36
06MT039/3 A2	283	02	ROS	061597	0551	EN	48	55.9	N	13	15.2	W	GPS	3723					
06MT039/3 A2	284	01	ROS	061597	0734	BE	48	51.4	N	13	48.2	W	GPS	4515					
06MT039/3 A2	284	01	ROS	061597	0856	BO	48	51.5	N	13	47.9	W	GPS	4515		10	4527	4601	22
06MT039/3 A2	284	01	ROS	061597	1052	EN	48	51.8	N	13	47.7	W	GPS	4515					
06MT039/3 A2	285	01	ROS	061597	1428	BE	48	44.5	N	14	44.1	W	GPS	4717					
06MT039/3 A2	285	01	ROS	061597	1601	BO	48	44.4	N	14	44.0	W	GPS	4717		20	4730	4784	21
06MT039/3 A2	285	01	ROS	061597	1750	EN	48	44.4	N	14	43.7	W	GPS	4717					
06MT039/3 A2	286	01	ROS	061597	2059	BE	48	36.4	N	15	28.7	W	GPS	4802					
06MT039/3 A2	286	01	ROS	061597	2229	BO	48	36.4	N	15	29.1	W	GPS	4802		17	4814	4858	21
06MT039/3 A2	286	01	ROS	061597	0031	EN	48	36.8	N	15	29.6	W	GPS	4802					
06MT039/3 A2	287	01	ROS	061697	0445	BE	48	27.1	N	16	34.9	W	GPS	4818					
06MT039/3 A2	287	01	ROS	061697	0618	BO	48	27.0	N	16	34.8	W	GPS	4818			4842	4894	22
06MT039/3 A2	287	01	ROS	061697	0810	EN	48	26.8	N	16	34.9	W	GPS	4818					
06MT039/3 A2	288	01	ROS	061697	1616	BE	48	18.0	N	17	40.9	W	GPS	4016					
06MT039/3 A2	288	01	ROS	061697	1727	BO	48	18.2	N	17	41.3	W	GPS	4016			4016	4043	19
06MT039/3 A2	288	01	ROS	061697	1858	EN	48	18.3	N	17	41.7	W	GPS	4016					
06MT039/3 A2	289	02	ROS	061797	0221	BE	48	09.8	N	18	40.1	W	GPS	4395					
06MT039/3 A2	289	02	ROS	061797	0342	BO	48	09.8	N	18	40.3	W	GPS	4395			4419	4470	20
06MT039/3 A2	289	02	ROS	061797	0525	EN	48	09.8	N	18	40.6	W	GPS	4395					
06MT039/3 A2	290	01	ROS	061797	0956	BE	48	01.8	N	19	39.4	W	GPS	4471					
06MT039/3 A2	290	01	ROS	061797	1121	BO	48	01.8	N	19	36.7	W	GPS	4471		20	4476	4513	21
06MT039/3 A2	290	01	ROS	061797	1310	EN	48	01.8	N	19	40.0	W	GPS	4471					
06MT039/3 A2	291	01	ROS	061797	1837	BE	47	53.6	N	20	39.2	W	GPS	4343					
06MT039/3 A2	291	01	ROS	061797	1956	BO	47	53.6	N	20	39.7	W	GPS	4343		09	4362	4417	35
06MT039/3 A2	291	01	ROS	061797	2142	EN	47	53.2	N	20	40.1	W	GPS	4343					
06MT039/3 A2	291	02	ROS	061797	2223	BE	47	53.1	N	20	39.7	W	GPS	4333					
06MT039/3 A2	291	02	ROS	061797	2242	BO	47	53.0	N	20	39.7	W	GPS	4333		09	993	0899	12
06MT039/3 A2	291	02	ROS	061797	2312	EN	47	53.0	N	20	40.0	W	GPS	4333					
06MT039/3 A2	292	02	ROS	061897	0639	BE	47	45.9	N	21	37.8	W	GPS	4114					
06MT039/3 A2	292	02	ROS	061897	0752	BO	47	45.9	N	21	38.1	W	GPS	4114			4122	4159	22
06MT039/3 A2	292	02	ROS	061897	0924	EN	47	45.7	N	21	37.9	W	GPS	4114					

06MT039/3 A2	293	02	ROS	061897	1342	BE	47	37.6	N	22	36.0	W	GPS	4070					
06MT039/3 A2	293	02	ROS	061897	1459	BO	47	37.6	N	22	36.3	W	GPS	4070	4075	4110			22
06MT039/3 A2	293	02	ROS	061897	1638	EN	47	37.6	N	22	36.3	W	GPS	4070					
06MT039/3 A2	293	03	ROS	061897	1642	BE	47	37.4	N	22	36.3	W	GPS	4011					
06MT039/3 A2	293	03	ROS	061897	1659	BO	47	37.4	N	22	36.3	W	GPS	4011	995	0900			12
06MT039/3 A2	293	03	ROS	061897	1727	EN	47	37.2	N	22	36.4	W	GPS	4011					
06MT039/3 A2	294	02	ROS	061897	1956	BE	47	33.8	N	23	05.3	W	GPS	4224					
06MT039/3 A2	294	02	ROS	061897	2110	BO	47	33.7	N	23	05.4	W	GPS	4224	4220	4266			22
06MT039/3 A2	294	02	ROS	061897	2255	EN	47	37.6	N	23	05.5	W	GPS	4224					
06MT039/3 A2	294	03	ROS	061897	2304	BE	47	33.7	N	23	05.4	W	GPS	4234					
06MT039/3 A2	294	03	ROS	061897	2326	BO	47	33.7	N	23	05.5	W	GPS	4234	994	0874			12
06MT039/3 A2	294	03	ROS	061897	2355	EN	47	33.6	N	23	05.5	W	GPS	4234					
06MT039/3 A2	295	01	ROS	061997	0217	BE	47	29.6	N	23	33.5	W	GPS	3988					
06MT039/3 A2	295	01	ROS	061997	0329	BO	47	29.4	N	23	33.0	W	GPS	3988	3987	4019			22
06MT039/3 A2	295	01	ROS	061997	0508	EN	47	29.4	N	23	34.5	W	GPS	3988					
06MT039/3 A2	296	01	ROS	061997	0837	BE	47	23.0	N	24	15.9	W	GPS	3327					
06MT039/3 A2	296	01	ROS	061997	0939	BO	47	22.9	N	24	16.0	W	GPS	3327	20	3312	3320		21
06MT039/3 A2	296	01	ROS	061997	1107	EN	47	22.9	N	24	16.1	W	GPS	3327					
06MT039/3 A2	297	01	ROS	061997	1516	BE	47	16.9	N	25	00.6	W	GPS	3040					
06MT039/3 A2	297	01	ROS	061997	1613	BO	47	16.8	N	25	00.6	W	GPS	3040	3045	3046			22
06MT039/3 A2	297	01	ROS	061997	1732	EN	47	16.1	N	25	02.1	W	GPS	3040					
06MT039/3 A2	298	01	ROS	061997	2125	BE	47	10.7	N	25	43.2	W	GPS	2977					
06MT039/3 A2	298	01	ROS	061997	2225	BO	47	10.6	N	25	43.4	W	GPS	2977	3013	2972			22
06MT039/3 A2	298	01	ROS	061997	2345	EN	47	10.5	N	25	43.8	W	GPS	2977					
06MT039/3 A2	298	05	ROS	062097	0020	BE	47	10.5	N	25	43.6	W	GPS	3058					
06MT039/3 A2	298	05	ROS	062097	0117	BO	47	10.4	N	25	44.2	W	GPS	3058	13	3041	3066		24
06MT039/3 A2	298	05	ROS	062097	0233	EN	47	10.2	N	25	45.2	W	GPS	3058					
06MT039/3 A2	299	01	ROS	062097	0533	BE	47	06.4	N	26	17.1	W	GPS	2519					
06MT039/3 A2	299	01	ROS	062097	0621	BO	47	06.3	N	26	17.4	W	GPS	2519	2410	2404			22
06MT039/3 A2	299	01	ROS	062097	0729	EN	47	06.2	N	26	17.9	W	GPS	2519					
06MT039/3 A2	300	01	ROS	062097	0941	BE	47	03.2	N	26	39.6	W	GPS	2802					
06MT039/3 A2	300	01	ROS	062097	1035	BO	47	03.0	N	26	39.9	W	GPS	2802	20	2782	2800		22
06MT039/3 A2	300	01	ROS	062097	1150	EN	47	02.9	N	26	40.4	W	GPS	2802					

06MT039/3 A2	301	01	ROS	062097	1329	BE	46	59.0	N	26	59.5	W	GPS	2178				
06MT039/3 A2	301	01	ROS	062097	1412	BO	46	58.9	N	26	59.6	W	GPS	2178	2162	2170	22	
06MT039/3 A2	301	01	ROS	062097	1519	EN	46	59.0	N	26	59.9	W	GPS	2178				
06MT039/3 A2	302	01	ROS	062097	1658	BE	46	54.7	N	27	18.3	W	GPS	3487				
06MT039/3 A2	302	01	ROS	062097	1801	BO	46	54.8	N	27	18.3	W	GPS	3487	3517	3541	22	
06MT039/3 A2	302	01	ROS	062097	1926	EN	46	54.7	N	27	18.3	W	GPS	3487				
06MT039/3 A2	302	02	FLT	062097	2042	EN	46	54.4	N	27	18.3	W	GPS	3487	ALACE 719	FLOAT		
06MT039/3 A2	302	02	ROS	062097	1923	BE	46	54.7	N	27	18.3	W	GPS	3501				
06MT039/3 A2	302	02	ROS	062097	1952	BO	46	54.7	N	27	18.4	W	GPS	3501	1011	0999	12	
06MT039/3 A2	302	02	ROS	062097	2023	EN	46	54.7	N	27	18.4	W	GPS	3501				
06MT039/3 A2	303	01	ROS	062197	0109	BE	46	43.5	N	28	15.9	W	GPS	3398				
06MT039/3 A2	303	01	ROS	062197	0218	BO	46	43.6	N	28	15.8	W	GPS	3398	3381	3407	22	
06MT039/3 A2	303	01	ROS	062197	0346	EN	46	43.6	N	28	15.8	W	GPS	3398				
06MT039/3 A2	304	01	ROS	062197	0812	BE	46	32.5	N	29	08.8	W	GPS	2995				
06MT039/3 A2	304	01	ROS	062197	0910	BO	46	32.6	N	29	08.7	W	GPS	2995	20	2953	2969	22
06MT039/3 A2	304	01	ROS	062197	1029	EN	46	32.4	N	29	08.5	W	GPS	2995				
06MT039/3 A2	304	02	FLT	062197	1039	EN	46	32.4	N	29	08.4	W	GPS	2995	ALACE 720	FLOAT		
06MT039/3 A2	305	00	MOR	062297	1426	BE	46	19.8	N	29	55.3	W	GPS	3308	Recovery of MOORING K1/96			
06MT039/3 A2	305	00	MOR	062297	2235	EN	46	21.3	N	29	53.9	W	GPS	3308	New MOORING K1/97			
06MT039/3 A2	305	01	ROS	062297	2310	BE	46	19.9	N	29	55.8	W	GPS	3296				
06MT039/3 A2	305	01	ROS	062397	0011	BO	46	19.8	N	29	55.8	W	GPS	3296	19	3268	3305	21
06MT039/3 A2	305	01	ROS	062397	0128	EN	46	19.7	N	29	55.8	W	GPS	3296				
06MT039/3 A2	306	01	ROS	062297	0528	BE	46	05.0	N	30	46.4	W	GPS	3277				
06MT039/3 A2	306	01	ROS	062297	0624	BO	46	04.9	N	30	46.5	W	GPS	3277	09	3266	3300	22
06MT039/3 A2	306	01	ROS	062297	0742	EN	46	04.9	N	30	46.7	W	GPS	3277				
06MT039/3 A2	307	01	ROS	062297	1134	BE	45	50.1	N	31	36.8	W	GPS	3651				
06MT039/3 A2	307	01	ROS	062297	1245	BO	45	50.1	N	31	36.8	W	GPS	3651	19	3637	3682	22
06MT039/3 A2	307	01	ROS	062297	1410	EN	45	49.8	N	31	36.6	W	GPS	3651				
06MT039/3 A2	307	02	FLT	062297	1414	EN	45	49.5	N	31	37.7	W	GPS	3651	ALACE 718	FLOAT		
06MT039/3 A2	308	01	ROS	062297	1802	BE	45	35.3	N	32	26.7	W	GPS	3772				
06MT039/3 A2	308	01	ROS	062297	1908	BO	45	35.0	N	32	26.6	W	GPS	3772	09	3782	3800	21
06MT039/3 A2	308	01	ROS	062297	2033	EN	45	34.4	N	32	26.2	W	GPS	3772				



06MT039/3 A2	309 01	ROS	062397	0015	BE	45 19.2 N	33 12.7 W	GPS	3653	11	3663	3704	22
06MT039/3 A2	309 01	ROS	062397	0121	BO	45 18.9 N	33 12.2 W	GPS	3653				
06MT039/3 A2	309 01	ROS	062397	0245	EN	45 18.7 N	33 11.9 W	GPS	3653				
06MT039/3 A2	309 02	MOR	062397	0621	BE	45 19.8 N	33 12.6 W	GPS	3655				
06MT039/3 A2	309 02	MOR	062397	1434	EN	45 19.3 N	33 09.1 W	GPS	3567				
06MT039/3 A2	310 01	ROS	062397	1935	BE	45 07.2 N	34 04.8 W	GPS	3619				
06MT039/3 A2	310 01	ROS	062397	2040	BO	45 07.1 N	34 04.8 W	GPS	3619	09	3625	3669	21
06MT039/3 A2	310 01	ROS	062397	2206	EN	45 07.2 N	34 04.4 W	GPS	3619				
06MT039/3 A2	311 01	ROS	062497	0153	BE	44 55.6 N	34 45.7 W	GPS	4068				
06MT039/3 A2	311 01	ROS	062497	0308	BO	44 55.4 N	34 45.4 W	GPS	4068	11	4080	4132	22
06MT039/3 A2	311 01	ROS	062497	0437	EN	44 55.2 N	34 45.3 W	GPS	4068				
06MT039/3 A2	312 01	ROS	062497	0759	BE	44 45.1 N	35 24.6 W	GPS	3953				
06MT039/3 A2	312 01	ROS	062497	0911	BO	44 45.1 N	35 24.6 W	GPS	3953	10	3965	4014	22
06MT039/3 A2	312 01	ROS	062497	1046	EN	44 44.9 N	35 24.7 W	GPS	3953				
06MT039/3 A2	313 01	ROS	062497	1403	BE	44 34.0 N	36 05.0 W	GPS	4078				
06MT039/3 A2	313 01	ROS	062497	1518	BO	44 33.7 N	36 05.2 W	GPS	4078	09	4110	4158	22
06MT039/3 A2	313 01	ROS	062497	1648	EN	44 33.6 N	36 05.1 W	GPS	4078				
06MT039/3 A2	314 01	ROS	062497	2043	BE	44 20.0 N	36 54.5 W	GPS	4233				
06MT039/3 A2	314 01	ROS	062497	2200	BO	44 19.9 N	36 54.5 W	GPS	4233	09	4255	4312	22
06MT039/3 A2	314 01	ROS	062497	2339	EN	44 19.9 N	36 54.5 W	GPS	4233				
06MT039/3 A2	315 01	ROS	062597	0337	BE	44 05.8 N	37 43.6 W	GPS	4140				
06MT039/3 A2	315 01	ROS	062597	0450	BO	44 05.6 N	37 43.6 W	GPS	4140	11	4136	4190	22
06MT039/3 A2	315 01	ROS	062597	0618	EN	44 05.3 N	37 43.7 W	GPS	4140				
06MT039/3 A2	316 01	ROS	062597	1034	BE	43 52.0 N	38 32.8 W	GPS	4044				
06MT039/3 A2	316 01	ROS	062597	1150	BO	43 51.9 N	38 32.6 W	GPS	4044	11	4048	4082	22
06MT039/3 A2	316 01	ROS	062597	1327	EN	43 51.6 N	38 32.5 W	GPS	4044				
06MT039/3 A2	316 02	ROS	062597	1342	BE	43 51.7 N	38 32.5 W	GPS	4036				
06MT039/3 A2	316 02	ROS	062597	1416	BO	43 51.6 N	38 32.4 W	GPS	4036				
06MT039/3 A2	316 02	ROS	062597	1506	EN	43 51.8 N	38 32.3 W	GPS	4036				
06MT039/3 A2	317 01	ROS	062597	2001	BE	43 38.1 N	39 21.6 W	GPS	4658				
06MT039/3 A2	317 01	ROS	062597	2024	BO	43 37.9 N	39 21.3 W	GPS	4658				
06MT039/3 A2	317 01	ROS	062597	2102	EN	43 37.6 N	39 20.8 W	GPS	4658				

Recovery Mooring K3/96  
New Mooring K3/97

06MT039/3 A2	317	02	ROS	062597	2106	BE	43	37.4	N	39	20.6	W	GPS	4602
06MT039/3 A2	317	02	ROS	062597	2238	BO	43	36.2	N	39	19.8	W	GPS	4602
06MT039/3 A2	317	02	ROS	062697	0024	EN	43	35.0	N	39	19.6	W	GPS	4602
06MT039/3 A2	318	01	ROS	062697	0431	BE	43	24.2	N	40	10.2	W	GPS	4780
06MT039/3 A2	318	01	ROS	062697	0453	BO	43	24.3	N	40	10.7	W	GPS	4780
06MT039/3 A2	318	01	ROS	062697	0530	EN	43	24.5	N	40	10.9	W	GPS	4780
06MT039/3 A2	318	02	ROS	062697	0536	BE	43	24.5	N	40	10.9	W	GPS	4779
06MT039/3 A2	318	02	ROS	062697	0638	BO	43	24.7	N	40	10.5	W	GPS	4779
06MT039/3 A2	318	02	ROS	062697	0828	EN	43	24.7	N	40	11.9	W	GPS	4779
06MT039/3 A2	319	01	ROS	062697	1209	BE	43	10.4	N	40	59.4	W	GPS	4798
06MT039/3 A2	319	01	ROS	062697	1338	BO	43	10.5	N	41	00.1	W	GPS	4798
06MT039/3 A2	319	01	ROS	062697	1519	EN	43	10.5	N	41	00.9	W	GPS	4798
06MT039/3 A2	320	01	ROS	062697	1839	BE	42	56.3	N	41	47.3	W	GPS	4809
06MT039/3 A2	320	01	ROS	062697	1900	BO	42	56.0	N	41	47.6	W	GPS	4809
06MT039/3 A2	320	01	ROS	062697	1937	EN	42	55.8	N	41	48.7	W	GPS	4809
06MT039/3 A2	320	02	ROS	062697	1943	BE	42	55.2	N	41	49.0	W	GPS	4809
06MT039/3 A2	320	02	ROS	062697	2108	BO	42	55.2	N	41	40.0	W	GPS	4809
06MT039/3 A2	320	02	ROS	062697	2252	EN	42	54.3	N	41	49.9	W	GPS	4809
06MT039/3 A2	320	04	ROS	062797	0133	BE	42	52.3	N	41	52.4	W	GPS	4880
06MT039/3 A2	320	04	ROS	062797	0236	BO	42	51.4	N	41	53.2	W	GPS	4880
06MT039/3 A2	320	04	ROS	062797	0350	EN	42	50.7	N	41	54.1	W	GPS	4880
06MT039/3 A2	321	01	ROS	062797	0715	BE	42	24.7	N	42	35.9	W	GPS	4837
06MT039/3 A2	321	01	ROS	062797	0842	BO	42	41.8	N	42	36.5	W	GPS	4837
06MT039/3 A2	321	01	ROS	062797	1027	EN	42	41.0	N	42	37.8	W	GPS	4837
06MT039/3 A2	322	01	ROS	062797	1345	BE	42	28.1	N	43	30.0	W	GPS	4832
06MT039/3 A2	322	01	ROS	062797	1423	BO	42	28.4	N	43	24.4	W	GPS	4832
06MT039/3 A2	322	01	ROS	062797	1505	EN	42	28.0	N	43	24.7	W	GPS	4832
06MT039/3 A2	322	02	ROS	062797	1523	BE	42	27.9	N	43	25.0	W	GPS	4831
06MT039/3 A2	322	02	ROS	062797	1651	BO	42	27.3	N	43	25.6	W	GPS	4831
06MT039/3 A2	322	02	ROS	062797	1822	EN	42	26.9	N	43	26.7	W	GPS	4831
06MT039/3 A2	323	01	ROS	062797	2157	BE	42	15.2	N	44	12.2	W	GPS	4865
06MT039/3 A2	323	01	ROS	062797	2231	BO	42	15.6	N	44	12.6	W	GPS	4865
06MT039/3 A2	323	01	ROS	062797	2309	EN	42	16.0	N	44	13.3	W	GPS	4865

06MT039/3 A2	323	02	ROS	062897	2319	BE	42	16.0	N	44	13.4	W	GPS	4863
06MT039/3 A2	323	02	ROS	062997	0049	BO	42	16.6	N	44	14.5	W	GPS	4863
06MT039/3 A2	323	02	ROS	062997	0232	EN	42	17.2	N	44	15.9	W	GPS	4863
06MT039/3 A2	324	01	ROS	062897	0636	BE	42	00.9	N	44	59.9	W	GPS	4814
06MT039/3 A2	324	01	ROS	062897	0702	BO	42	01.6	N	45	00.9	W	GPS	4814
06MT039/3 A2	324	01	ROS	062897	0740	EN	42	20.4	N	45	01.4	W	GPS	4814
06MT039/3 A2	324	02	ROS	062897	0755	BE	42	02.8	N	45	01.5	W	GPS	4801
06MT039/3 A2	324	02	ROS	062897	0928	BO	42	04.4	N	45	03.2	W	GPS	4801
06MT039/3 A2	324	02	ROS	062897	1118	EN	42	05.8	N	45	05.1	W	GPS	4801
06MT039/3 A2	325	01	ROS	062897	1350	BE	42	11.5	N	45	38.4	W	GPS	4720
06MT039/3 A2	325	01	ROS	062897	1413	BO	42	12.2	N	45	38.8	W	GPS	4720
06MT039/3 A2	325	01	ROS	062897	1453	EN	42	13.1	N	45	39.3	W	GPS	4720
06MT039/3 A2	325	02	ROS	062897	1454	BE	42	13.3	N	45	39.4	W	GPS	4714
06MT039/3 A2	325	02	ROS	062897	1619	BO	42	14.8	N	45	40.6	W	GPS	4714
06MT039/3 A2	325	02	ROS	062897	1804	EN	42	17.1	N	45	40.9	W	GPS	4714
06MT039/3 A2	326	01	ROS	062897	2045	BE	42	22.4	N	46	17.6	W	GPS	4660
06MT039/3 A2	326	01	ROS	062897	2140	BO	42	22.3	N	46	17.5	W	GPS	4660
06MT039/3 A2	326	01	ROS	062897	2300	EN	42	22.3	N	46	17.4	W	GPS	4660
06MT039/3 A2	326	02	ROS	062897	2333	BE	42	22.3	N	46	17.5	W	GPS	4660
06MT039/3 A2	326	02	ROS	062997	0056	BO	42	22.4	N	46	17.7	W	GPS	4660
06MT039/3 A2	326	02	ROS	062997	0241	EN	42	22.5	N	46	17.4	W	GPS	4660
06MT039/3 A2	327	01	ROS	062997	0516	BE	42	44.3	N	46	17.5	W	GPS	4660
06MT039/3 A2	327	01	ROS	062997	0630	BO	42	22.4	N	46	17.7	W	GPS	4660
06MT039/3 A2	327	01	ROS	062997	0753	EN	42	22.5	N	46	17.4	W	GPS	4660
06MT039/3 A2	328	01	ROS	062997	0940	BE	42	36.5	N	47	07.3	W	GPS	4045
06MT039/3 A2	328	01	ROS	062997	1102	BO	42	35.6	N	47	08.1	W	GPS	4045
06MT039/3 A2	328	01	ROS	062997	1232	EN	42	34.6	N	47	09.0	W	GPS	4045
06MT039/3 A2	329	01	ROS	062997	1452	BE	42	34.7	N	47	26.7	W	GPS	3825
06MT039/3 A2	329	01	ROS	062997	1600	BO	42	44.0	N	47	27.3	W	GPS	3825
06MT039/3 A2	329	01	ROS	062997	1723	EN	42	43.8	N	47	27.1	W	GPS	3825
06MT039/3 A2	330	01	ROS	062997	1934	BE	42	49.2	N	47	44.1	W	GPS	3741
06MT039/3 A2	330	01	ROS	062997	2036	BO	42	49.4	N	47	43.9	W	GPS	3741
06MT039/3 A2	330	01	ROS	062997	2206	EN	42	49.8	N	47	43.8	W	GPS	3741
06MT039/3 A2	10									4915	4983		21	
06MT039/3 A2	09									4937	4914		22	
06MT039/3 A2	09									1278	1101		11	
06MT039/3 A2	09									4835	4802		22	
06MT039/3 A2	12									3029	2298		24	
06MT039/3 A2	12									4742	4733		21	
06MT039/3 A2	12									4298	4332		22	
06MT039/3 A2	11									4070	4077		21	
06MT039/3 A2	10									3846	3879		22	
06MT039/3 A2	09									3742	3786		22	

06MT039/3 A2	331	01	ROS	062997	2358	BE	42	54.8	N	48	01.7	W	GPS	3486				
06MT039/3 A2	331	01	ROS	063097	0103	BO	42	55.0	N	48	01.7	W	GPS	3486		3465	3505	22
06MT039/3 A2	331	01	ROS	063097	0223	EN	42	55.0	N	48	01.2	W	GPS	3486				
06MT039/3 A2	332	01	ROS	063097	0506	BE	43	03.1	N	48	37.5	W	GPS	2510				
06MT039/3 A2	332	01	ROS	063097	0549	BO	43	03.0	N	48	37.6	W	GPS	2510				
06MT039/3 A2	332	01	ROS	063097	0651	EN	43	03.1	N	48	37.6	W	GPS	2510		2473	2494	22
06MT039/3 A2	333	01	ROS	063097	0836	BE	43	05.5	N	48	50.5	W	GPS	2072				
06MT039/3 A2	333	01	ROS	063097	0913	BO	43	05.3	N	48	50.8	W	GPS	2072				
06MT039/3 A2	333	01	ROS	063097	1014	EN	43	04.9	N	48	51.4	W	GPS	2072		2043	2050	22
06MT039/3 A2	334	01	ROS	063097	1206	BE	43	08.3	N	48	59.8	W	GPS	1588				
06MT039/3 A2	334	01	ROS	063097	1248	BO	43	08.4	N	48	59.7	W	GPS	1588				
06MT039/3 A2	334	01	ROS	063097	1340	EN	43	08.4	N	48	59.4	W	GPS	1588		1554	1564	22
06MT039/3 A2	335	01	ROS	063097	1518	BE	43	11.7	N	49	09.3	W	GPS	1049				
06MT039/3 A2	335	01	ROS	063097	1547	BO	43	11.6	N	49	09.2	W	GPS	1049				
06MT039/3 A2	335	01	ROS	063097	1621	EN	43	11.6	N	49	09.2	W	GPS	1049		1022	1029	10
06MT039/3 A2	336	01	ROS	063097	1803	BE	43	15.2	N	49	22.2	W	GPS	0570				
06MT039/3 A2	336	01	ROS	063097	1840	EN	43	15.2	N	49	22.2	W	GPS	0570		557	560	10
06MT039/3 A2	337	01	ROS	063097	1953	BE	43	20.1	N	49	34.9	W	GPS	0097				
06MT039/3 A2	337	01	ROS	063097	2000	BO	43	20.1	N	49	34.9	W	GPS	0097				
06MT039/3 A2	337	01	ROS	063097	2009	EN	43	20.1	N	49	34.9	W	GPS	0097		77	0080	7
06MT039/3 A2	338	01	ROS	063097	2223	BE	43	30.2	N	50	00.3	W	GPS	0068				
06MT039/3 A2	338	01	ROS	063097	2227	BO	43	20.2	N	50	00.3	W	GPS	0068				
06MT039/3 A2	338	01	ROS	063097	2235	EN	43	30.3	N	50	00.4	W	GPS	0068		55	0057	5

## 7.4 Leg M39/4

### 7.4.1. CTD-profile station list and water samples taken from the bottles

CTD-Profile	Station No.	Date	Time	Latitude	Longitude	Water Depth	Profile Depth dbar	Comment	CH <sub>4</sub> -samples	He, <sup>3</sup> H, <sup>18</sup> O samples	Plankton net depth/comment	<sup>18</sup> O for Lamont US England GB
1	339	1997/07/07	23:03	52°57.22'N	51°21.08'W	2200	2111				200m culturing	
2	341	1997/07/08	23:03	55°19.54'N	53°53.55'N	2405	2398	K2, K6 retrieved		He (12) <sup>3</sup> H (12) <sup>18</sup> O (5)		US (4) GB (20)
3	342	1997/07/09	03:30	55°00.72'N	54°12.57'W	514	482			He (6) <sup>3</sup> H (6) <sup>18</sup> O (6)	500m conservation	US (4) GB (5)
4	343	1997/07/09	06:30	55°09.11'N	54°03.86'W	1270	1236			He (7) <sup>3</sup> H (7) <sup>18</sup> O (6)		US (5) GB (10)
	344	1997/07/09	08:35	55°15.96'N	53°57.03'W						500m conservation	
5	346	1997/07/09	12:09	55°33.52'N	53°40.02'W	2898	2887			<sup>18</sup> O (6)		US (4) GB (22)
6	347	1997/07/09	17:06	55°58.01'N	53°15.96'W	3230	3233			He (12) <sup>3</sup> H (12) <sup>18</sup> O (6)		US (4) GB (22)
7	348	1997/07/10	04:02	57°22.74'N	51°47.36'W	3552	3569			He (12) <sup>3</sup> H (12) <sup>18</sup> O (6)		US (4) GB (22)
8	349	1997/07/10	23:30	58°29.63'N	50°33.49'W	3552	3569	K4 retrieved		He (13) <sup>3</sup> H (14) <sup>18</sup> O (6)		US (4) GB (22)
9	350	1997/07/11	13:07	57°44.89'N	49°56.87'W	3595	3611	no LADCP		<sup>18</sup> O (6)		

Profile	Station No.	Date	Time	Latitude	Longitude	Water Depth	Profile Depth	Comment	CH <sub>4</sub> - samples	He, <sup>3</sup> H, <sup>18</sup> O samples	Plankton net depth/ comment	<sup>18</sup> O for Lamont US England GB
10	351	1997/07/11	20:52	57°00.03'N	49°19.05'W	3644	3651			He (12) <sup>3</sup> H (12) <sup>18</sup> O (4)		
11	352	1997/07/12	04:18	56°16.48'N	48°41.95'W	3716	3733	K3 retrieved			500m conservation	
12	353	1997/07/12	18:26	55°22.99'N	48°47.86'W	3780	3808			He (12) <sup>3</sup> H (12) <sup>18</sup> O (5)		
13	354	1997/07/13	03:00	54°32.11'N	49°06.88'W	3746	3766	no LADCP				
14	355	1997/07/13	13:43	53°41.13'N	49°26.64'W	3716	3741	K16 deployed, no LADCP		He (13) <sup>3</sup> H (13) <sup>18</sup> O (6)		US (4)
15	357	1997/07/14	01:21	53°26.08'N	50°04.04'W	3533	3565	K10 deployed, no LADCP		<sup>18</sup> O (6)	500m conservation	US (4)
16	358	1997/07/14	06:54	53°16.06'N	50°33.11'W	3189	3192			He (12) <sup>3</sup> H (12) <sup>18</sup> O (5)		US (4)
17	359	1997/07/14	14:56	53°07.99'N	50°53.68'W	2903	2902	K9 deployed		<sup>18</sup> O (7)		US (4)
18	361	1997/07/14	23:18	52°52.44'N	51°30.77'W	1691	1665	K7 deployed		He (9) <sup>3</sup> H (9) <sup>18</sup> O (7)	500m conservation	US (4)
19	362	1997/07/15	03:37	53°02.50'N	51°05.89'W	2601	2577			He (10) <sup>3</sup> H (10) <sup>18</sup> O (6)	500m conservation	US (4)
20	363	1997/07/15	07:56	52°58.02'N	51°18.00'W	2284	2261	K8 deployed		<sup>18</sup> O (6)	500m culturing	US (4)
21	364	1997/07/15	17:02	52°47.93'N	51°45.05'W	550	520			He (5) <sup>3</sup> H (5) <sup>18</sup> O (6)	500m conservation	US (3)

Profile	Station No.	Date	Time	Latitude	Longitude	Water Depth	Profile Depth	Comment	CH <sub>4</sub> - samples	He, <sup>3</sup> H, <sup>18</sup> O samples	Plankton net depth/ comment	<sup>18</sup> O for Lamont US England GB
22	366	1997/07/19	04:02	57°40.13'N	56°32.03'W	3019	3018		22		500m conservation	US (4)
23	367	1997/07/20	01:30	57°06.51'N	54°36.11'W	3260	3262	K15+ K17 deployed	22		500m conservation	US (4)
24	370	1997/07/21	12:54	55°08.92'N	54°04.21'W	1243	1234		8			
25	372	1997/07/21	23:18	55°22.02'N	53°49.10'W	2581	2558	K12 deployed	17			
26	373	1997/07/22	03:37	55°42.09'N	53°31.88'W	3020	3009		22			
27	374	1997/07/22	12:03	56°34.07'N	52°39.93'W	3509	3520	K11 deployed	21	He (12) <sup>3</sup> H (12)	500m conservation	GB (22)
28	375	1997/07/23	11:26	57°56.12'N	51°10.26'W	3588	3602		22	He (9) <sup>3</sup> H (8) SF <sub>6</sub> (8)		GB (19)
29	376	1997/07/23	19:15	58°27.49'N	50°29.94'W	3552	505	K14 deployed	-		500m conservation	
30	377	1997/07/24	05:18	59°27.87'N	49°29.79'W	3413	3425		21			US (4) GB (22)
31	378	1997/07/24	10:54	59°53.97'N	49°00.02'W	3110	3113		21	He (12) <sup>3</sup> H (12) <sup>18</sup> O (4)		US (4) GB (22)
32	379	1997/07/24	16:02	60°07.77'N	48°45.76'W	2918	2917		-	He (10) <sup>3</sup> H (10) <sup>18</sup> O (4)	500m conservation	US (5) GB (17)
33	380	1997/07/24	20:56	60°18.46'N	48°34.20'W	2747	2741		21	He (10) <sup>3</sup> H (10) <sup>18</sup> O (4)	500m conservation	US (5) GB (17)
34	381	1997/07/25	20:45	59°03.07'N	43°30.05'W	1707	1692		13	He (8) <sup>3</sup> H (8) <sup>18</sup> O (3)	500m conservation	US (5)

Profile	Station No.	Date	Time	Latitude	Longitude	Water Depth	Profile Depth	Comment	CH <sub>4</sub> - samples	He, <sup>3</sup> H, <sup>18</sup> O samples	Plankton net depth/ comment	<sup>18</sup> O for Lamont US England GB
35	382	1997/07/26	01:33	58°40.08'N	43°30.03'W	1975	1946		-	He (8) <sup>3</sup> H (8) <sup>18</sup> O (3)		US (4)
36	383	1997/07/26	05:55	58°26.27'N	43°30.31'W	2439	2425		22	He (9) <sup>3</sup> H (9) <sup>18</sup> O (4)	500m conservation	US (3)
37	384	1997/07/26	09:31	58°11.98'N	43°30.02'W	2942	2942		-			US (4)
38	385	1997/07/26	14:20	57°58.10'N	43°30.14'W	3248	3252		22	He (11) <sup>3</sup> H (11)	500m conservation	US (4)
39	386	1997/07/26	18:44	57°37.87'N	43°29.95'W	3417	3426		20	He (5) <sup>3</sup> H (5)		
40	387	1997/07/26	23:48	57°10.04'N	43°30.09'W	3449	3478		-			
41	388	1997/07/27	05:15	56°39.91'N	43°29.91'W	3502	3515		21			
42	389	1997/07/27	12:07	55°57.93'N	43°29.94'W	3348	3360		22	He (3) <sup>3</sup> H (3)		
43	390	1997/07/27	18:37	55°15.88'N	43°30.02'W	3329	3338		22	He (8) <sup>3</sup> H (8)		
44	391	1997/07/28	00:48	54°33.99'N	43°30.00'W	3410	3414		-			
45	392	1997/07/28	07:09	53°51.92'N	43°29.76'W	3625	3668		21			
46	393	1997/07/28	13:41	53°09.96'N	43°30.05'W	3661	3686		21			
47	394	1997/07/28	20:11	52°27.97'N	43°29.87'W	4190	4237		21	He (9) <sup>3</sup> H (9)		
48	395	1997/07/29	01:45	51°59.84'N	43°30.00'W	4176	4218		-			
49	396	1997/07/29	07:29	51°30.07'N	43°30.02'W	4234	4289		22			
50	397	1997/07/29	14:07	50°59.92'N	43°29.98'W	4205	4259		22			
51	398	1997/07/29	22:22	50°30.03'N	43°29.99'W	4267	4305		-			
52	399	1997/07/30	05:00	49°59.99'N	43°30.00'W	4259	4310		21			US (5)
53	400	1997/07/30	10:58	49°40.04'N	43°49.97'W	4070	4111		22	He (10) <sup>3</sup> H (10)		US (4)
54	401	1997/07/30	16:52	49°15.65'N	44°14.86'W	3106	3113		21	He (9) <sup>3</sup> H (9) <sup>18</sup> O (5)		US (4)



Profile	Station No.	Date	Time	Latitude	Longitude	Water Depth	Profile Depth	Comment	CH <sub>4</sub> - samples	He, <sup>3</sup> H, <sup>18</sup> O samples	Plankton net depth/ comment	<sup>18</sup> O for Lamont US England GB
55	402	1997/07/30	22:15	48°51.41'N	44°38.72'W	1573	1548		19	He (9) <sup>3</sup> H (7) <sup>18</sup> O (6)	500m conversation	US (5)
56	403	1997/07/31	02:29	49°04.30'N	44°25.89'W	2550	2538		-	He (10) <sup>3</sup> H (10) <sup>18</sup> O (4)		
57	404	1997/07/31	07:49	49°27.79'N	44°03.01'W	3845	3906		22	He (11) <sup>3</sup> H (11) <sup>18</sup> O (3)	500m conversation	
58	405	1997/07/31	18:18	50°12.05'N	41°59.78'W	4349	4412		21			
59	406	1997/08/01	02:00	50°23.97'N	40°29.68'W	4341	4407		22	He (9) <sup>3</sup> H (9)		
60	407	1997/08/01	10:16	50°35.97'N	39°00.12'W	4136	4192		21			
61	408	1997/08/01	18:11	50°48.01'N	37°29.86'W	4242	4308		21	He (10) <sup>3</sup> H (10)		
62	409	1997/08/02	02:00	50°59.94'N	35°59.91'W	4328	4380		-			
63	410	1997/08/02	08:54	51°20.11'N	34°59.97'W	3307	3316		21	He (10) <sup>3</sup> H (10)		
64	411	1997/08/02	13:11	51°40.12'N	35°00.04'W	3828	3859		-			
65	412	1997/08/02	17:30	51°55.02'N	34°59.94'W	3235	3223		-			
66	413	1997/08/02	20:36	52°06.11'N	34°59.92'W	3321	3343		20	He (8) <sup>3</sup> H (8)		
67	414	1997/08/03	00:13	52°15.17'N	34°59.88'W	3779	3849		-			
68	415	1997/08/03	03:30	52°22.62'N	35°00.02'W	3774	3744		21	He (9) <sup>3</sup> H (9)		
69	416	1997/08/03	07:18	52°28.03'N	34°59.88'W	2821	2774		-			
70	417	1997/08/03	09:54	52°34.04'N	35°00.22'W	2784	2752		-	He (6) <sup>3</sup> H (6)		
71	418	1997/08/03	12:35	52°38.54'N	35°01.18'W	3332	3369		21	He (9) <sup>3</sup> H (9)		

Profile	Station No.	Date	Time	Latitude	Longitude	Water Depth	Profile Depth	Comment	CH <sub>4</sub> samples	He, <sup>3</sup> H, <sup>18</sup> O samples	Plankton net depth/ comment	<sup>18</sup> O for Lamont US England GB
72	419	1997/08/03	19:41	53°01.99'N	35°06.84'W	3136	3270		21	He (6) <sup>3</sup> H (6)		
73	420	1997/08/03	23:18	53°02.05'N	35°18.94'W	2419	2421		-			
74	421	1997/08/04	01:40	53°02.06'N	35°12.35'W	3109	3108		-			
75	422	1997/08/04	05:11	52°56.67'N	34°58.45'W	3083	3110		-			
76	423	1997/08/04	08:31	52°47.56'N	34°58.11'W	3281	3214		-			
77	424	1997/08/04	11:16	52°43.11'N	34°59.61'W	3531	3537		-			
78	425	1997/08/04	14:37	52°51.97'N	34°57.45'W	3482	3510		22	He (7) <sup>3</sup> H (7)		
79	426	1997/08/04	19:33	53°11.62'N	34°51.47'W	2795	2750		-			
80	427	1997/08/04	22:30	53°15.09'N	34°51.76'W	2613	2616		-	He (8) <sup>3</sup> H (8)		
81	428	1997/08/05	03:38	53°44.07'N	35°15.08'W	2480	2467		-	He (4) <sup>3</sup> H (4)		
82	429	1997/08/05	08:37	54°13.99'N	35°08.96'W	2900	2893		20	He (7) <sup>3</sup> H (7)		
83	430	1997/08/05	13:41	54°42.41'N	35°09.77'W	2001	1964		-			
84	431	1997/08/05	17:41	54°59.08'N	34°49.99'W	2460	2434		-			
85	432	1997/08/05	20:18	55°03.44'N	34°49.95'W	2568	2559		14	He (6) <sup>3</sup> H (6)		
86	433	1997/08/06	01:15	55°34.03'N	35°06.89'W	2047	2027		-			
87	434	1997/08/06	06:01	56°03.02'N	35°24.80'W	2042	2022		19			
88	435	1997/08/06	10:39	56°31.10'N	35°42.16'W	2270	2246		-			
89	436	1997/08/06	14:09	56°41.12'N	36°02.05'W	2421	2416		22			
90	437	1997/08/06	17:33	56°50.96'N	36°21.90'W	2620	2629		-			
91	438	1997/08/06	21:07	57°02.02'N	36°42.98'W	2422	2423		22			
92	439	1997/08/07	00:35	57°12.01'N	37°03.09'W	2743	2734		-			
93	440	1997/08/07	04:17	57°23.03'N	37°24.04'W	3250	3263		-			
94	441	1997/08/07	08:07	57°32.99'N	37°44.90'W	3222	3216		22			
95	442	1997/08/07	13:58	57°54.00'N	38°26.01'W	3249	3262		21	He (15) <sup>3</sup> H (15)		
96	443	1997/08/07	20:18	58°14.00'N	39°05.88'W	3324	3334		-			

Profile	Station No.	Date	Time	Latitude	Longitude	Water Depth	Profile Depth	Comment	CH <sub>4</sub> samples	He, <sup>3</sup> H, <sup>18</sup> O samples	Plankton net depth/ comment	<sup>18</sup> O for Lamont US England GB
97	444	1997/08/08	02:45	58°34.04'N	39°44.76'W	3139	3134		22			
98	445	1997/08/08	07:59	58°48.96'N	40°14.84'W	3088	3091		-			US (4) GB (20)
99	446	1997/08/08	13:22	59°01.93'N	40°39.07'W	2948	2944		21		200m culturing	US (4) GB (18)
100	447	1997/08/08	17:11	59°13.03'N	41°02.90'W	2716	2709		19			US (4) GB (20)
101	448	1997/08/08	20:45	59°23.97'N	41°26.00'W	2359	2342		6			US (4) GB (20)
102	449	1997/08/09	00:03	59°35.08'N	41°50.03'W	1942	1922		14			US (4) GB (14)
103	450	1997/08/09	02:45	59°42.47'N	42°06.94'W	1755	1730		-			GB (4)

## 7.5 Leg M39/5

## 7.5.1 Station listing

EXPO-CODE	Section Name	Stat No.	Cast No.	Cast Type	Date	Time UTC	Code	Latitude	Longitude	Position	Bottom Depth	Max. Wheel Pres.	Bottom No. of Para Dist. Btls	Comments	
06MT39/5	VEINS-6	451	01	ROS/A	081497	2110	BE	64 45.0 N	26 39.7 W	GPS	250				
06MT39/5	VEINS-6	451	01	ROS/A	081497	2110	BO	64 45.0 N	26 39.9 W	GPS	250	243	10	1-8,23	
06MT39/5	VEINS-6	451	01	ROS/A	081497	2148	EN	64 45.0 N	26 40.0 W	GPS	250			Test station	
06MT39/5	VEINS-6	451	02	ROS/A	081497	2345	BE	64 45.0 N	26 40.0 W	GPS	253				
06MT39/5	VEINS-6	451	02	ROS/A	081497	2356	BO	64 45.0 N	26 40.1 W	GPS	250	239	10	1-8,20	
06MT39/5	VEINS-6	451	02	ROS/A	081597	0014	EN	64 45.1 N	26 40.2 W	GPS	250				
06MT39/5	VEINS-6	452	01	ROS/A	081597	0149	BE	64 45.1 N	27 14.9 W	GPS	495				
06MT39/5	VEINS-6	452	01	ROS/A	081597	0206	BO	64 45.2 N	27 14.8 W	GPS	494	482	8	1-8,20,23	
06MT39/5	VEINS-6	452	01	ROS/A	081597	0226	EN	64 45.2 N	27 14.8 W	GPS	492				
06MT39/5	VEINS-6	453	01	ROS/A	081597	0406	BE	64 45.3 N	27 50.2 W	GPS	902				
06MT39/5	VEINS-6	453	01	ROS/A	081597	0431	BO	64 45.4 N	27 50.0 W	GPS	893	902	9	11	1-8,20,23
06MT39/5	VEINS-6	453	01	ROS/A	081597	0503	EN	64 45.5 N	27 49.8 W	GPS	882				
06MT39/5	VEINS-6	454	01	ROS/A	081597	0637	BE	64 45.1 N	28 25.1 W	GPS	1171				
06MT39/5	VEINS-6	454	01	ROS/A	081597	0703	BO	64 45.1 N	28 24.9 W	GPS	1168	1162	11	13	1-8,20
06MT39/5	VEINS-6	454	01	ROS/A	081597	0740	EN	64 44.9 N	28 24.9 W	GPS	1164				
06MT39/5	VEINS-6	455	01	ROS/A	081597	0920	BE	64 45.2 N	29 04.9 W	GPS	1070				
06MT39/5	VEINS-6	455	01	ROS/A	081597	0947	BO	64 45.2 N	29 04.8 W	GPS	1070	1044	16	13	1-8,20
06MT39/5	VEINS-6	455	01	ROS/A	081597	1028	EN	64 45.0 N	29 05.0 W	GPS	1071				
06MT39/5	VEINS-6	456	01	ROS/A	081597	1209	BE	64 45.1 N	29 45.1 W	GPS	2139				
06MT39/5	VEINS-6	456	01	ROS/A	081597	1251	BO	64 45.2 N	29 45.2 W	GPS	2139	2141	22	22	1-10,20
06MT39/5	VEINS-6	456	01	ROS/A	081597	1349	EN	64 45.2 N	29 45.4 W	GPS	2155				
06MT39/5	VEINS-6	457	01	ROS/A	081597	1533	BE	64 45.1 N	30 25.2 W	GPS	2236				
06MT39/5	VEINS-6	457	01	ROS/A	081597	1616	BO	64 45.2 N	30 25.1 W	GPS	2235	2237	12	22	1-10,20,23,26
06MT39/5	VEINS-6	457	01	ROS/A	081597	1719	EN	64 45.4 N	30 24.9 W	GPS	2230				
06MT39/5	VEINS-6	458	01	ROS/A	081597	1901	BE	65 00.2 N	30 42.2 W	GPS	1888				
06MT39/5	VEINS-6	458	01	ROS/A	081597	1943	BO	65 00.3 N	30 42.5 W	GPS	1887	1887	12	22	1-10,20
06MT39/5	VEINS-6	458	01	ROS/A	081597	2045	EN	65 00.4 N	30 42.9 W	GPS	1868				
06MT39/5	VEINS-6	459	01	ROS/A	081597	2257	BE	65 16.2 N	31 00.0 W	GPS	1192				
06MT39/5	VEINS-6	459	01	ROS/A	081597	2325	BO	65 16.2 N	31 00.2 W	GPS	1187	1171	20	14	1-8,20,23,26
06MT39/5	VEINS-6	459	01	ROS/A	081697	0009	EN	65 16.5 N	31 01.3 W	GPS	1178				
06MT39/5	VEINS-6	460	01	ROS/A	081697	0149	BE	65 31.2 N	31 15.9 W	GPS	364				
06MT39/5	VEINS-6	460	01	ROS/A	081697	0202	BO	65 31.1 N	31 16.0 W	GPS	364	353	10	8	1-6,20
06MT39/5	VEINS-6	460	01	ROS/A	081697	0223	EN	65 31.1 N	31 16.4 W	GPS	364				
06MT39/5	VEINS-5	461	01	ROS/A	081697	0937	BE	65 05.1 N	34 28.0 W	GPS	316				
06MT39/5	VEINS-5	461	01	ROS/A	081697	0949	BO	65 05.1 N	34 28.0 W	GPS	316	302	13	6	1-10
06MT39/5	VEINS-5	461	01	ROS/A	081697	1007	EN	65 05.1 N	34 28.1 W	GPS	316	296	13	6	1-10
06MT39/5	VEINS-5	462	01	ROS/A	081697	1203	BE	64 48.9 N	34 07.9 W	GPS	1028				
06MT39/5	VEINS-5	462	01	ROS/A	081697	1224	BO	64 48.8 N	34 08.4 W	GPS	1029	1009	8	12	1-8,23,26
06MT39/5	VEINS-5	462	01	ROS/A	081697	1258	EN	64 48.8 N	34 09.2 W	GPS	1026				
06MT39/5	VEINS-5	463	01	MOR	081697	1500	BE	64 30.4 N	33 49.9 W	GPS	1608				
06MT39/5	VEINS-5	463	01	MOR	081697	1538	EN	64 30.4 N	33 50.5 W	GPS	1608				

Recovery of mooring "9602"  
(failed)







EXPO- CODE	WOCE WHP-ID	Stat. No.	Cast No.	Cast Type	Date	Time UTC	Code	Latitude	Longitude	Position Longitude	Code	Bottom Depth	Meter Wheel	Bottom Dist.	Max. Pres.	No. of Btls.	Parameters	Comments
06Me039	Al/E	506	01	ROS/A	082597	0709	BE	59°59.8 N	42°30.0 W	42°30.0 W	GPS 193							
06Me039	Al/E	506	01	ROS/A	082597	0720	BO	59°59.8 N	42°30.1 W	42°30.1 W	GPS 193	173	10	179	4	1-6,10,20,23,26		
06Me039	Al/E	506	01	ROS/A	082597	0735	EN	59°59.8 N	42°30.1 W	42°30.1 W	GPS 193							
06Me039	Al/E	507	01	ROS/A	082597	0859	BE	59°58.0 N	42°10.4 W	42°10.4 W	GPS 497							
06Me039	Al/E	507	01	ROS/A	082597	0911	BO	59°58.9 N	42°10.6 W	42°10.6 W	GPS 497	480	9	478	8	1-8,10,20,23,26		
06Me039	Al/E	507	01	ROS/A	082597	0933	EN	59°58.0 N	42°10.7 W	42°10.7 W	GPS 497							
06Me039	Al/E	508	01	ROS/A	082597	1059	BE	59°55.9 N	41°51.0 W	41°51.0 W	GPS 1829							
06Me039	Al/E	508	01	ROS/A	082597	1131	BO	59°55.8 N	41°51.1 W	41°51.1 W	GPS 1829	1806	11	1821	20	1-10,20		
06Me039	Al/E	508	01	ROS/A	082597	1229	EN	59°55.5 N	41°51.7 W	41°51.7 W	GPS 1829							
06Me039	Al/E	509	01	ROS/A	082597	1406	BE	59°54.1 N	41°30.7 W	41°30.7 W	GPS 1902							
06Me039	Al/E	509	01	ROS/A	082597	1445	BO	59°53.9 N	41°30.8 W	41°30.8 W	GPS 1902	1864	22	1895	21	1-6,20,23,26		
06Me039	Al/E	509	01	ROS/A	082597	1540	EN	59°53.6 N	41°31.3 W	41°31.3 W	GPS 1902							
06Me039	Al/E	510	01	ROS/A	082597	1701	BE	59°52.0 N	41°12.0 W	41°12.0 W	GPS 2040							
06Me039	Al/E	510	01	ROS/A	082597	1741	BO	59°52.0 N	41°12.0 W	41°12.0 W	GPS 2040	2023	10	2038	22	1-10,23		
06Me039	Al/E	510	01	ROS/A	082597	1848	EN	59°51.9 N	41°12.0 W	41°12.0 W	GPS 2040							
06Me039	Al/E	511	01	ROS/A	082597	2041	BE	59°49.1 N	40°45.1 W	40°45.1 W	GPS 2598							
06Me039	Al/E	511	01	ROS/A	082597	2131	BO	59°49.0 N	40°45.6 W	40°45.6 W	GPS 2598	2576	10	2608	21	1-10,23		
06Me039	Al/E	511	01	ROS/A	082597	2246	EN	59°49.0 N	40°45.9 W	40°45.9 W	GPS 2598							
06Me039	Al/E	512	02	ROS/A	082697	0108	BE	59°45.9 N	40°13.2 W	40°13.2 W	GPS 2646							
06Me039	Al/E	512	02	ROS/A	082697	0211	BO	59°46.0 N	40°12.9 W	40°12.9 W	GPS 2646	2612	16	2597	22	1-8,23		
06Me039	Al/E	512	02	ROS/A	082697	0317	EN	59°45.9 N	40°12.8 W	40°12.8 W	GPS 2646							
06Me039	Al/E	513	01	ROS/A	082697	0546	BE	59°41.0 N	39°23.8 W	39°23.8 W	GPS 2854							
06Me039	Al/E	513	01	ROS/A	082697	0640	BO	59°40.9 N	39°23.8 W	39°23.8 W	GPS 2854	2829	9	2865	22	1-10,23,26		
06Me039	Al/E	513	01	ROS/A	082697	0806	EN	59°40.8 N	39°23.7 W	39°23.7 W	GPS 2854							
06Me039	Al/E	514	01	ROS/A	082697	1032	BE	59°36.0 N	38°35.8 W	38°35.8 W	GPS 3012							
06Me039	Al/E	514	01	ROS/A	082697	1132	BO	59°36.1 N	38°35.9 W	38°35.9 W	GPS 3012	3993	9	3029	22	1-10,20,23,26		
06Me039	Al/E	514	01	ROS/A	082697	1250	EN	59°35.9 N	38°35.8 W	38°35.8 W	GPS 3012							
06Me039	Al/E	514	02	ROS	082697	1302	BE	59°35.9 N	38°35.8 W	38°35.8 W	GPS 3013							
06Me039	Al/E	514	02	ROS	082697	1356	BO	59°35.9 N	38°35.9 W	38°35.9 W	GPS 3013							CTD "NB-3"
06Me039	Al/E	515	01	ROS/A	082697	1817	BE	59°30.9 N	37°37.1 W	37°37.1 W	GPS 3126							
06Me039	Al/E	515	01	ROS/A	082697	1920	BO	59°31.0 N	37°37.3 W	37°37.3 W	GPS 3126	3106	11	3147	22	1-10,23,26		
06Me039	Al/E	515	01	ROS/A	082697	2043	EN	59°31.0 N	37°37.4 W	37°37.4 W	GPS 3126							
06Me039	Al/E	516	01	ROS/A	082697	2349	BE	59°25.0 N	36°39.1 W	36°39.1 W	GPS 3124							
06Me039	Al/E	516	01	ROS/A	082797	0045	BO	59°25.1 N	36°39.1 W	36°39.1 W	GPS 3124	3059	10	3145	22	1-8,23,26		
06Me039	Al/E	516	01	ROS/A	082797	0202	EN	59°25.1 N	36°39.1 E	36°39.1 E	GPS 3124							
06Me039	Al/E	517	01	ROS/A	082797	0507	BE	59°20.1 N	35°40.8 W	35°40.8 W	GPS 3124							
06Me039	Al/E	517	01	ROS/A	082797	0606	BO	59°20.0 N	35°40.8 W	35°40.8 W	GPS 3124	3102	11	3143	22	1-8,23		
06Me039	Al/E	517	01	ROS/A	082797	0730	EN	59°20.0 N	35°41.1 W	35°41.1 W	GPS 3124							
06Me039	Al/E	518	01	ROS/A	082797	1028	BE	59°14.0 N	34°44.0 W	34°44.0 W	GPS 2592							
06Me039	Al/E	518	01	ROS/A	082797	1118	BO	59°13.9 N	34°44.0 W	34°44.0 W	GPS 2592	2568	8	2595	22	1-8,23		
06Me039	Al/E	518	01	ROS/A	082797	1227	EN	59°13.7 N	34°44.1 W	34°44.1 W	GPS 2592							
06Me039	Al/E	519	01	ROS/A	082797	1530	BE	59°08.0 N	33°45.8 W	33°45.8 W	GPS 2411							
06Me039	Al/E	519	01	ROS/A	082797	1615	BO	59°07.9 N	33°46.0 W	33°46.0 W	GPS 2411	2399	9	2421	22	1-10,23,26		
06Me039	Al/E	519	01	ROS/A	082797	1729	EN	59°08.0 N	33°45.9 W	33°45.9 W	GPS 2411							











## **8 Concluding remarks and acknowledgements**

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