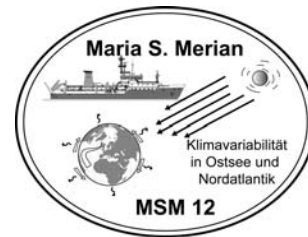


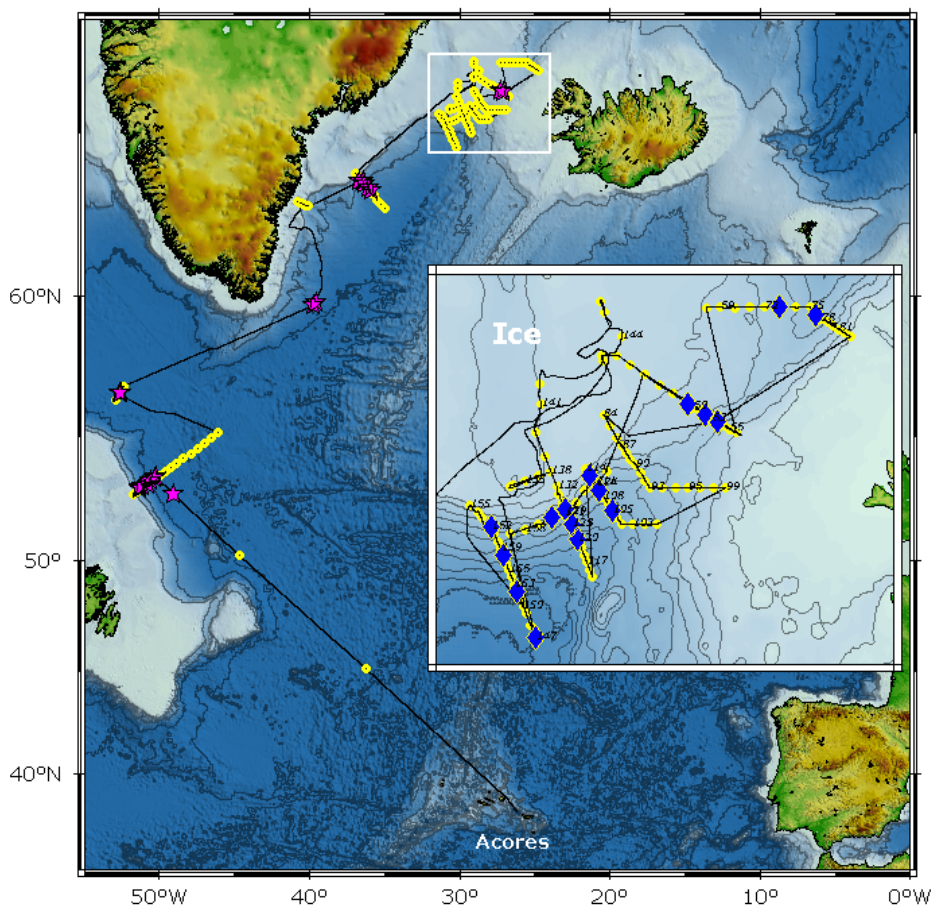
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Summary Cruise Report RV MARIA S. MERIAN Cruise MSM12-1

Pt. Delgada - Reykjavik
12. May – 15. June 2009
Chief Scientist: Detlef Quadfasel
Captain: Karl Friedhelm von Staa



Ship track of RV Maria S. Merian cruise MSM12-1 in the Labrador Sea, Irminger Sea and Greenland Sound with locations of moorings (magenta stars), CTD/IADCP casts (yellow dots) and micro structure casts (blue diamonds) marked.

Objectives

In the present state of our climate the northern North Atlantic is one of the major sources for the deep waters of the World Oceans and thus influences or even determines the global deep ocean circulation. Dense water from the Nordic Seas and the Labrador Sea move southward at depth and is replenished near the surface by a northward flow of warm water. During RV MARIA S MERIAN cruise MSM12-1 we studied the three major sources of North Atlantic Deep Water: the overflow through Denmark Strait, the entrainment of ambient waters into the overflow plume and the production and export of deep water from the Labrador Sea.

Expedition MSM12-1 had two regional components:

- (1) A study of the different branches of the deep circulation in the Labrador Sea and the associated distribution of water masses.
 - Changes of the water mass characteristics in relation to the variability of deep convection in the Labrador Sea.
 - Variability of the export of deep waters from the Labrador Sea.
- (2) A study of the overflow plume of Denmark Strait between the sill and Cape Farewell.
 - Fluctuations in the export of dense Nordic Sea water through Denmark Strait.
 - Changes in water mass composition and plume transport as a result of vertical and horizontal entrainment of ambient waters into the plume.

Both regional studies made use of data collected with long-term moored instrumentation, current profile measurements with a lowered Acoustic Doppler profiler (LADCP) and with the ADCP (Ocean Surveyor) mounted in the ship's hull. CTD-O₂ profiles and Microstructure profiles were taken along several sections to determine the characteristics and distribution and the mixing of water masses.

RV Maria S. Merian cruise MSM12-1 was carried out jointly by the Institut für Meereskunde at the KlimaCampus of the University of Hamburg and IfM-GEOMAR at the University of Kiel. Scientists and technicians from the Lowestoft Laboratory of CEFAS, the Finnish Meteorological Institute and the Shirshov Institute of Oceanology of the Russian Academy of Sciences also participated in the cruise. Six students from the Universities of Hamburg, East Anglia and Paris got their first *in-situ* training.

Narrative

Transit to the Labrador Sea, 13.-18. Mai 2009

RV Maria S. Merian sailed from the port of Pt. Delgada at 9 a.m on May 13th, setting course for the southern Labrador Sea. During this transit instruments were set up, moorings were prepared and a couple of test stations were run. We discussed and defined projects to be tackled by the students during the cruise.

Labrador Sea work, 18.-26. May 2009

Guided by the latest ARGOS position we started the search for the drifting mooring K9 at 6 a.m. on May 18th and were lucky to spot the top buoy just before breakfast. The mooring, or better said, the remains of it, were safely on deck at 10:17 a.m. The wire was entangled and broken at several places, but only one temperature recorder and an Aanderaa current meter was lost. The reason for the premature release of K9 was a corroded ring below the acoustic releasers.

During the following days moorings K10 and K8 were safely recovered. Also here chains and shackles below the acoustic releasers were heavily corroded. The nights between mooring recoveries and deployments were spent on CTD/LADCP work along the mooring section. At the shallow end of the section, near the shelf break, we entered a multiyear ice field that prevented us from proceeding further onto the shelf. The outbound CTD section was started at a water depth of 400 m, in the narrow and shallow buoyancy driven boundary current. The weather services predicted a storm to develop during the evening of May 20th, and we decided to deploy the rest of the moorings during that day. All hands were on deck to assemble the buoyancy packages and the instruments, and to help with the deployments. Our four mooring technicians and the deck crew did a great job during this day: K9 was in the water at 10:51 a.m., DSOW-1 at 12:17 p.m., DSOW-2 at 03:34 p.m. and finally K10 at 08:30 p.m. Winds by that time had increased to 6 Bft, but the mooring array covering the deep western boundary current at the exit of the Labrador Sea was in place in time. It will provide valuable data for the study of long term variability of this important component of the Atlantic Meridional Overturning Circulation.

Shortly after lunch on May 23rd the last CTD of the section was occupied and Merian steamed towards the Central Labrador Sea Mooring K1, located near the site of former weather ship Bravo. When approaching K1 the site was occupied by the Canadian CGS Hudson, taking a CTD station there. This station lies on the former WOCE section AR7E from Greenland to Newfoundland, which is run annually by our Canadian colleague Igor Yashayaev. Via VHF the latest information about the state of the Labrador Sea was exchanged and Merian went westward to occupy a CTD station 15 miles off the mooring site. K1 was recovered on May 25th and re-deployed during the afternoon and after one more CTD cast north of K1 Merian set course for the southern Irminger Sea, where the CIS mooring was to be taken care of.

Irminger Sea work, 27. May – 2. June 2009

The Central Irminger Sea (CIS) mooring in a water depth of 2800 m was reached at 7:30 a.m. on May 27th and recovered in little more than 3 hours. By then the wind had picked up to 8 Bft. and it was not clear whether we could re-deploy or not. In the early afternoon wind speeds dropped a little and we started the deployment at 3:56 p.m. As soon as the first few instruments were in the water the wind picked up again and by the time to the anchor release at 6:53 p.m. it was blowing with force 9. Occasionally waves swept over the aft deck. After the deployment Merian set course to the shelf ADCP mooring near 63° N. Progress towards that mooring was little. Due to head winds of up to 11 Bft we only managed to cover 102 miles during 24 hours. In the evening wind speeds went down to 7 Bft. Unfortunately, it turned out that this mooring was protected by a 3-miles wide barrier of thick multi-year ice and there was no chance to get close to it. After taking the obligatory group photo with the snow covered mountains of Greenland in the background we ran closely spaced CTD stations on a section from the ice edge to the continental slope, covering the shallow and fresh water of the East Greenland Current.

Mooring F1/F2 on the Angmagssalik Array was reached just after lunch on May 30th but failed to respond to the acoustic signals. As the plan was to recover all moorings during the day we continued to UK-1 which came up without hesitation. The good mood was again destroyed when also mooring G1 did not respond, but finally UK-2, the deepest mooring on the section, was safely on deck at 10:15 p.m. The search and dragging gear was prepared to go for the two missing moorings the next day. The night and day were spent with CTD and microstructure profiling, since the mooring gear had to be maintained before re-deployment. After dinner we re-deployed mooring UK-2, which was in the water at 7:32 p.m. During the night the CTD work continued. At 6 a.m. on June 1st Merian reached the position of mooring G1 that had failed to release two days earlier. The dragging gear was deployed, but when it came to connecting the anchor cable with the towing wire, the forerunner broke and the anchors were lost. This was the end of

trying to recover the moorings the hard way, and it will be up to RV Meteor next year to continue the search. CTD work continued after this operation, interrupted by the re-deployments of moorings G1 and F2 further up onto the continental slope. CTD work ended at 2:35 a.m. and this year's work at the Angmassaglik line was completed. During the day we steamed towards the sill section in Denmark Strait that was reached just before midnight.

Greenland Sound work, 3.-14. June 2009

Starting on the East Greenland shelf we occupied the sill section of Denmark Strait with closely spaced CTD and microstructure measurements. The two ADCP moorings that monitor the strength of the overflow were recovered and the Hamburg mooring HHDS2 was re-deployed immediately. Data from the two ADCPs turned out to be very clean, with annual mean speeds of 35 and 50 cm/s in the overflow core including barotropic components of 15 and 30 cm/s. The section was completed at 8 p.m. on June 3rd. The transit time to the northern section was used to baptize 14 members of the scientific and ship's crews on the occasion of the crossing of the Polar Circle.

Work on the northern CTD section started at 1 a.m. and was completed 25 hours later. During this time we also attempted to acoustically read out the data from an Inverted Echo Sounder deployed at the eastern end of that section two years ago. No contact could be made to the instrument mounted in a Lander at the ocean bottom and it was decided to release it. This attempt failed too, and since we did not have any dragging gear, the recovery has to be done with Meteor next year.

Shortly after breakfast on June 5th we re-deployed the Icelandic ADCP mooring DS1 on the sill section. This was the end of the mooring work and the remainder of the cruise was dedicated to hydrographic and microstructure profiling in the overflow plume south of the sill in Denmark Strait, which now - politically correct – is called Greenland Sound. In all about 120 CTD/IADCP and 30 Microstructure profiles were taken along 6 sections crossing the overflow plume. Heavy ice conditions on the East Greenland Shelf prevented us to map the shallow part of the overflow hugging on the shelf break, but in all the survey of the plume was highly successful and provided a wealth of data. The sea passage ended early in the morning on Sunday, June 14th, the Reykjavik pilot came on board at 9 a.m. and RV Maria S. Merian went alongside at 10 p.m. in the old harbour of Reykjavik.

On request by the German Embassy in Reykjavik a reception was held on Sunday afternoon. Among the guests were the Icelandic Foreign minister, several Ambassadors and colleagues from the Icelandic scientific community.

Acknowledgements

We like to thank Captain Friedrich von Staa, his officers and the crew of RV Maria S. Merian for their support of our measurement programme and for creating a very friendly atmosphere on board. We also appreciate that Thor was in a good mood during almost all the time providing us with weather allowing an efficient use of the cruise time.

The ship time of Merian was provided by the Deutsche Forschungsgemeinschaft within the core program METEOR/MERIAN. Financial support for the different projects carried out during the cruise was provided through the EU-Projects EuroSITES and THOR and the German Ministry of Education and Research (Nordatlantik Programm). We also benefited from financial contributions by the research institutes involved. We gratefully acknowledge this support.

Cruise participants

Quadfasel, Detlef	Chief Scientist	IfM-ZMAW
Baranov, Vladimir	microstructure	SIO
Drübbisch, Ulrich	moorings	IfM-ZMAW
Esser, Katharina	student	IfM-ZMAW
Gimmerthal, Sönke	student	IfM-ZMAW
Hall, Stewart	student	CEFAS
Karstensen, Johannes	moorings,CTD	IFM-GEOMAR
Kondrashov, Alexey	microstructure	SIO
Kortz, Eike	student	IfM-ZMAW
Milon, Pierre	student	ENSTA
Müller-Michaelis, Antje	CTD	IfM-ZMAW
Needham, Neil	moorings	CEFAS
Niehus, Gerd	moorings	IFM-GEOMAR
Nunes, Nuno	ADCP, JChSc.	IFM-GEOMAR
Paka, Vadim	microstructure	SIO
Papenburg, Uwe	mooring	IFM-ZMAW
Pokuvalov, Alexander	microstructure	SIO
Rudels, Bert	CTD	FMI
Schneehorst, Anja	student	IfM-ZMAW
Verch, Norbert	salinometry, oxygen	IfM-ZMAW
Wasilewski, Thomas	data management	IfM-ZMAW

IfM-ZMAW:	Institut für Meereskunde, KlimaCampus, University of Hamburg, Germany
SIO:	P.P. Shirshov Institute of Oceanology, Kalininigrad, Russia
CEFAS:	Centre for Environment, Fishery and Aquaculture Sciences Lowestoft Laboratory, U.K.
IFM-GEOMAR:	Leibniz Institut für Meereswissenschaften University of Kiel, Germany
ENSTA	Ecole Nationale Supérieure des Techniques Avancées, Paris, France
FMI:	Finnish Meteorological Institute, Helsinki, Finland

List of Stations

CTD	Conductivity-Temperature-Depth sonde
ROS	Rosette water sampler
LADCP	lowered Acoustic Doppler Profiler
MSS	Microstructure sonde
MOR	Mooring
DRG	Dredging
ADCP profile	profile run with shipboard ADCP
BE	Begin of station
BO	Near bottom reached on station
EN	End of station

EXPO-CODE	Stat. No.	Cast. No.	CTD Cast No.	Type	Date	Time UTC	Code	POSITION		Bottom depth	Max. press.	Bottom dist.	Comments
								Latitude	Longitude				
06/MSM12/1	446	1	1	CTD/ROS/LADCP	15.05.09	13:25:42	BE	45° 08.82	N 36° 15.62	W 4031			
06/MSM12/1	446	1	1	CTD/ROS/LADCP	15.05.09	14:32:35	BO	45° 09.20	N 36° 14.60	W 4140	3505		Teststation
06/MSM12/1	446	1	1	CTD/ROS/LADCP	15.05.09	15:48:40	EN	45° 09.19	N 36° 14.60	W 4114			
06/MSM12/1	447	1		PACT	15.05.09	16:03:00	BE	45° 09.19	N 36° 14.60	W 4140			Releaser test
06/MSM12/1	447	1		PACT	15.05.09	16:54:00	EN	45° 09.20	N 36° 14.40	W 4254			
06/MSM12/1	448	1		PACT	17.05.09	9:32:00	BE	50° 10.86	N 44° 38.84	W 4100			Releaser test
06/MSM12/1	448	1		PACT	17.05.09	10:59:00	EN	50° 11.07	N 44° 38.87	W 4100			
06/MSM12/1	449	1	2	CTD/ROS/LADCP	17.05.09	11:08:00	BE	50° 11.07	N 44° 38.87	W 4100			
06/MSM12/1	449	1	2	CTD/ROS/LADCP	17.05.09	12:15:00	BO	50° 11.32	N 44° 59.24	W 4099	3565		Teststation
06/MSM12/1	449	1	2	CTD/ROS/LADCP	17.05.09	13:32:00	EN	50° 11.51	N 44° 39.51	W 4098			
06/MSM12/1	450	1		MOR	18.05.09	5:53:00	BE	52° 43.09	N 49° 00.41	W 3568			Recovery K9
06/MSM12/1	450	1		MOR	18.05.09	10:17:00	EN	52° 50.60	N 49° 02.16	W 3684			
06/MSM12/1	451	1		MOR	18.05.09	15:18:00	BE	53° 23.22	N 50° 16.29	W 4493			Recovery K10
06/MSM12/1	451	1		MOR	18.05.09	18:04:39	EN	53° 25.53	N 50° 16.97	W 4710			
06/MSM12/1	452	1	3	CTD/ROS/LADCP	18.05.09	18:57:00	BE	53° 21.65	N 50° 14.35	W 3450			
06/MSM12/1	452	1	3	CTD/ROS/LADCP	18.05.09	20:02:00	BO	53° 21.65	N 50° 14.35	W 3450	3470	13	
06/MSM12/1	452	1	3	CTD/ROS/LADCP	18.05.09	21:15:00	EN	53° 21.65	N 50° 14.35	W 3449			
06/MSM12/1	453	1	4	CTD/ROS/LADCP	18.05.09	22:33:00	BE	53° 13.94	N 50° 31.79	W 3257			
06/MSM12/1	453	1	4	CTD/ROS/LADCP	18.05.09	22:35:00	BO	53° 13.94	N 50° 31.79	W 3257	3278	9	
06/MSM12/1	453	1	4	CTD/ROS/LADCP	19.05.09	0:41:00	EN	53° 13.95	N 50° 31.79	W 3257			
06/MSM12/1	454	1	5	CTD/ROS/LADCP	19.05.09	1:56:00	BE	53° 06.23	N 50° 50.11	W			
06/MSM12/1	454	1	5	CTD/ROS/LADCP	19.05.09	2:52:00	BO	53° 05.88	N 50° 49.22	W 2978	2980		
06/MSM12/1	454	1	5	CTD/ROS/LADCP	19.05.09	3:57:00	EN	53° 05.47	N 50° 48.14	W 2992			
06/MSM12/1	455	1	6	CTD/ROS/LADCP	19.05.09	4:53:00	BE	53° 00.69	N 51° 02.67	W 2608			
06/MSM12/1	455	1	6	CTD/ROS/LADCP	19.05.09	5:45:00	BO	53° 00.69	N 51° 02.67	W 2609	2613	9	
06/MSM12/1	455	1	6	CTD/ROS/LADCP	19.05.09	6:46:00	EN	53° 00.68	N 51° 02.69	W 2608			
06/MSM12/1	456	1		MOR	19.05.09	7:48:00	BE	52° 57.81	N 51° 17.47	W 2268			Recovery K8
06/MSM12/1	456	1		MOR	19.05.09	9:40:00	EN	52° 59.27	N 51° 17.05	W 2333			
06/MSM12/1	457	1	7	CTD/ROS/LADCP	19.05.09	12:10:00	BE	52° 41.84	N 51° 44.44	W 397			
06/MSM12/1	457	1	7	CTD/ROS/LADCP	19.05.09	12:32:00	BO	52° 41.84	N 51° 44.43	W 397	373	11	
06/MSM12/1	457	1	7	CTD/ROS/LADCP	19.05.09	12:45:00	EN	52° 41.84	N 51° 44.43	W 397			
06/MSM12/1	458	1	8	CTD/ROS/LADCP	19.05.09	13:48:00	BE	52° 45.38	N 51° 38.13	W 794			
06/MSM12/1	458	1	8	CTD/ROS/LADCP	19.05.09	14:09:00	BO	52° 45.38	N 51° 38.12	W 795	770	10	
06/MSM12/1	458	1	8	CTD/ROS/LADCP	19.05.09	14:29:00	EN	52° 45.38	N 51° 38.12	W 794			
06/MSM12/1	459	1	9	CTD/ROS/LADCP	19.05.09	15:32:00	BE	52° 49.43	N 51° 29.93	W 1432			
06/MSM12/1	459	1	9	CTD/ROS/LADCP	19.05.09	16:03:00	BO	52° 49.42	N 51° 29.92	W 1434	1415	9	
06/MSM12/1	459	1	9	CTD/ROS/LADCP	19.05.09	16:36:00	EN	52° 49.42	N 51° 29.92	W 1434			
06/MSM12/1	460	1		MOR	19.05.09	17:49:00	BE	52° 58.09	N 51° 15.65	W 2303			Deployment K8
06/MSM12/1	460	1		MOR	19.05.09	20:14:00	EN	52° 57.41	N 51° 18.30	W 2253			
06/MSM12/2	460	1		MOR	19.05.09			52° 57.50	N 51° 18.00	W			Estimated Position
06/MSM12/1	461	1		MSS	19.05.09	20:59:00	BE	52° 55.42	N 51° 15.91	W 2302			MSS test
06/MSM12/1	461	1		MSS	19.05.09	21:32:00	EN	52° 55.42	N 51° 15.91	W 2302			
06/MSM12/1	462	1	10	CTD/ROS/LADCP	19.05.09	22:16:00	BE	52° 55.42	N 51° 15.91	W 2301			
06/MSM12/1	462	1	10	CTD/ROS/LADCP	19.05.09	23:18:00	BO	52° 55.42	N 51° 15.91	W 2302	2299	12	
06/MSM12/1	462	1	10	CTD/ROS/LADCP	20.05.09	0:06:00	EN	52° 55.41	N 51° 15.91	W 2301			
06/MSM12/1	463	1		MOR	20.05.09	6:56:00	BE	53° 06.62	N 50° 47.33	W 3005			Deployment K9
06/MSM12/1	463	1		MOR	20.05.09	11:07:00	EN	53° 07.52	N 50° 51.05	W 2959			
06/MSM12/1	463	1		MOR	20.05.09			53° 07.60	N 50° 52.42	W			Estimated Position
06/MSM12/1	464	1		MOR	20.05.09	12:17:00	BE	53° 02.78	N 51° 04.83	W 2620			Deployment DSOW1
06/MSM12/1	464	1		MOR	20.05.09	12:45:00	EN	53° 02.78	N 51° 04.83	W 2620			
06/MSM12/1	464	1		MOR	20.05.09			53° 02.80	N 51° 04.80	W			Estimated Position
06/MSM12/1	465	1		MOR	20.05.09	15:03:00	BE	53° 15.91	N 50° 32.95	W 3211			Deployment DSOW2
06/MSM12/1	465	1		MOR	20.05.09	15:34:00	EN	53° 15.38	N 50° 33.83	W 3178			
06/MSM12/1	465	1		MOR	20.05.09			53° 15.40	N 50° 33.80	W			Estimated Position
06/MSM12/1	466	1		MOR	20.05.09	18:10:00	BE	53° 24.40	N 50° 11.46	W 3465			Deployment K10
06/MSM12/1	466	1		MOR	20.05.09	20:45:00	EN	53° 22.93	N 50° 15.00	W 3375			
06/MSM12/1	466	1		MOR	20.05.09			53° 22.77	N 50° 15.68	W			Estimated Position
06/MSM12/1	467	1	11	CTD/ROS/LADCP	20.05.09	22:11:00	BE	53° 29.79	N 49° 53.87	W 3581			
06/MSM12/1	467	1	11	CTD/ROS/LADCP	20.05.09	23:21:00	BO	53° 29.79	N 49° 53.87	W 3581	3613	8	
06/MSM12/1	467	1	11	CTD/ROS/LADCP	21.05.09	0:32:00	EN	53° 29.80	N 49° 53.88	W			
06/MSM12/1	468	1	12	CTD/ROS/LADCP	21.05.09	2:08:00	BE	53° 38.79	N 49° 32.87	W 3676			
06/MSM12/1	468	1	12	CTD/ROS/LADCP	21.05.09	3:14:00	BO	53° 38.79	N 49° 32.87	W 3676	3709	11	
06/MSM12/1	468	1	12	CTD/ROS/LADCP	21.05.09	4:25:00	EN	53° 38.79	N 49° 32.89	W 3679			
06/MSM12/1	469	1	13	CTD/ROS/LADCP	21.05.09	5:54:00	BE	53° 47.76	N 49° 12.39	W 3761			
06/MSM12/1	469	1	13	CTD/ROS/LADCP	21.05.09	7:08:00	BO	53° 47.75	N 49° 12.39	W 3759	3766	40	
06/MSM12/1	469	1	13	CTD/ROS/LADCP	21.05.09	8:23:00	EN	53° 47.75	N 49° 12.39	W 3762			
06/MSM12/1	470	1	14	CTD/ROS/LADCP	22.05.09	5:51:00	BE	53° 56.62	N 48° 52.18	W			
06/MSM12/1	470	1	14	CTD/ROS/LADCP	22.05.09	7:07:00	BO	53° 56.62	N 48° 52.19	W 3791	3800	36	
06/MSM12/1	470	1	14	CTD/ROS/LADCP	22.05.09	8:19:00	EN	53° 56.63	N 48° 52.19	W 3791			
06/MSM12/1	471	1	15	CTD/ROS/LADCP	22.05.09	10:26:00	BE	54° 08.37	N 48° 23.05	W 3801			
06/MSM12/1	471	1	15	CTD/ROS/LADCP	22.05.09	11:40:30	BO	54° 08.38	N 48° 23.05	W 3801	3837	10	
06/MSM12/1	471	1	15	CTD/ROS/LADCP	22.05.09	12:55:00	EN	54° 08.37	N 48° 23.05	W 3801			
06/MSM12/1	472	1	16	MSS	22.05.09	14:43:00	BE	54° 20.20	N 47° 55.10	W 3840			
06/MSM12/1	472	1	16	MSS	22.05.09	14:46:00	BO	54° 20.20	N 47° 55.70	W 3842	10		MSS, fired at 10m
06/MSM12/1	472	1	16	MSS	22.05.09	15:03:00	EN	54° 20.20	N 47° 55.10	W 3842			
06/MSM12/1	472	2	17	CTD/ROS/LADCP	22.05.09	15:08:33	BE	54° 20.20	N 47° 55.09	W 3842			
06/MSM12/1	472	2	17	CTD/ROS/LADCP	22.05.09	16:18:00	BO	54° 20.20	N 47° 55.09	W 3837	3882	11	
06/MSM12/1	472	2	17	CTD/ROS/LADCP	22.05.09	17:35:00	EN	54° 20.20	N 47° 55.09	W 3822			
06/MSM12/2	472	3		MSS	22.05.09	18:04:00	BE	54° 20.20	N 47° 55.10	W 3840			
06/MSM12/3	472	3		MSS	22.05.09	18:24:00	EN	54° 20.20	N 47° 55.09	W 3843			
06/MSM12/1	473	1	18	CTD/ROS/LADCP	22.05.09	20:17:55	BE	54° 32.09	N 47° 27.35	W 3635			
06/MSM12/1	473	1	18	CTD/ROS/LADCP	22.05.09	21:26:00	BO	54° 32.09	N 47° 27.35	W 3656	3656	19	
06/MSM12/1	473	1	18	CTD/ROS/LADCP	22.05.09	22:25:00	EN	54° 32.09	N 47° 27.25	W 3635			
06/MSM12/1	474	1	19	CTD/ROS/LADCP	23.05.09	0:53:43	BE	54° 43.90	N 46° 59.61	W 3479			
06/MSM12/1	474	1	19	CTD/ROS/LADCP	23.05.09	1:59:20	BO	54° 43.88	N 46° 59.61	W 3479	3505	12	
06/MSM12/1	474	1	19	CTD/ROS/LADCP	23.05.09	3:04:00	EN	54° 43.89	N 46° 59.61	W 3477			
06/MSM12/1	475	1	20	CTD/ROS/LADCP	23.05.09	5:03:59	BE	54° 55.79	N 46° 31.80	W 3410			
06/MSM12/1	475	1	20	CTD/ROS/LADCP	23.05.09	6:08:53	BO	54° 55.80	N 46° 31.80	W 3410	3447	11	
06/MSM12/1	475	1	20	CTD/ROS/LADCP	23.05.09	7:23:00	EN	54° 55.79	N 46° 31.80	W 3410			
06/MSM12/1	476	1	21	CTD/ROS/LADCP	23.05.09	11:02:40	BE	55° 07.59	N 46° 03.99	W 3430			
06/MSM12/1	476	1	21	CTD/ROS/LADCP	23.05.								

06/MSM12/1	477	1	22 CTD/ROS/LADCP	24.05.09	23:39:12	BE	56° 20.31	N 52° 51.37	W	3538		
06/MSM12/1	477	1	22 CTD/ROS/LADCP	25.05.09	0:47:00	BO	56° 20.31	N 52° 51.37	W	3537	3562	10 MSS Fired at 3153 db
06/MSM12/1	477	1	22 CTD/ROS/LADCP	25.05.09	2:07:00	EN	56° 20.31	N 52° 51.37	W	3536		
06/MSM12/1	477	2	23 CTD/ROS/LADCP	25.05.09	2:31:00	BE	56° 20.31	N 52° 51.37	W	3536		
06/MSM12/1	477	2	23 CTD/ROS/LADCP	25.05.09	3:36:00	BO	56° 20.31	N 52° 51.37	W	3535	3559	11
06/MSM12/1	477	2	23 CTD/ROS/LADCP	25.05.09	4:43:00	EN	56° 20.31	N 52° 51.37	W	3535		
06/MSM12/1	478	1	MOR	25.05.09	8:01:00	BE	56° 37.38	N 52° 36.33	W			Recovery K1
06/MSM12/1	478	1	MOR	25.05.09	10:55:00	EN	56° 36.36	N 52° 31.60	W			
06/MSM12/1	479	1	24 CTD/ROS/LADCP	25.05.09	11:38:23	BE	56° 33.00	N 52° 39.01	W	3510		
06/MSM12/1	479	1	24 CTD/ROS/LADCP	25.05.09	12:47:00	BO	56° 33.00	N 52° 39.01	W	3534	3534	10
06/MSM12/1	479	1	24 CTD/ROS/LADCP	25.05.09	13:52:00	EN	56° 33.00	N 52° 39.01	W	3509		
06/MSM12/1	480	1	MOR	25.05.09	14:34:00	BE	56° 34.92	N 52° 32.75	W	3527		Deployment K1
06/MSM12/1	480	1	MOR	25.05.09	17:43:00	EN	56° 33.90	N 52° 38.86	W	3507		
06/MSM12/1	480	1	MOR	25.05.09			56° 33.59	N 52° 39.69	W			Estimated Position
06/MSM12/1	481	1	25 CTD/ROS/LADCP	25.05.09	19:37:00	BE	56° 51.58	N 52° 22.02	W	3531		
06/MSM12/1	481	1	25 CTD/ROS/LADCP	25.05.09	20:46:00	BO	56° 51.59	N 52° 22.02	W	3532	3558	9
06/MSM12/1	481	1	25 CTD/ROS/LADCP	25.05.09	21:57:00	EN	56° 51.59	N 52° 22.02	W	3532		
06/MSM12/1	482	1	MOR	27.05.09	8:09:00	BE	59° 40.38	N 39° 44.13	W	2809		Recovery CIS
06/MSM12/1	482	1	MOR	27.05.09	12:29:00	EN	59° 37.20	N 39° 47.24	W			
06/MSM12/1	483	1	26 CTD/ROS	27.05.09	13:56:00	BE	59° 44.62	N 39° 36.57	W	2780		
06/MSM12/1	483	1	26 CTD/ROS	27.05.09	14:06:00	BO	59° 44.60	N 39° 36.57	W	2781	301	MSS, Fired at 300 db
06/MSM12/1	483	1	26 CTD/ROS	27.05.09	14:24:00	EN	59° 44.62	N 39° 36.57	W	2781		
06/MSM12/1	484	1	MOR	27.05.09	15:36:00	BE	59° 45.66	N 39° 34.14	W	2779		Deployment CIS
06/MSM12/1	484	1	MOR	27.05.09	18:53:00	EN	59° 40.86	N 39° 43.93	W			
06/MSM12/1	484	1	MOR	27.05.09			59° 41.08	N 39° 43.62	W			Estimated Position
06/MSM12/1	485	1	27 CTD/ROS	29.05.09	18:48:00	BE	62° 58.14	N 40° 46.03	W	439		
06/MSM12/1	485	1	27 CTD/ROS	29.05.09	19:04:00	BO	62° 58.14	N 40° 46.03	W	441	417	10
06/MSM12/1	485	1	27 CTD/ROS	29.05.09	19:20:00	EN	62° 58.14	N 40° 46.03	W	440		
06/MSM12/1	486	1	28 CTD/ROS	29.05.09	19:49:00	BE	62° 57.05	N 40° 40.02	W	559		
06/MSM12/1	486	1	28 CTD/ROS	29.05.09	20:11:44	BO	62° 57.12	N 40° 40.08	W	561	531	11
06/MSM12/1	486	1	28 CTD/ROS	29.05.09	20:28:00	EN	62° 57.16	N 40° 40.12	W	547		
06/MSM12/1	487	1	29 CTD/ROS	29.05.09	21:03:40	BE	62° 56.04	N 40° 34.03	W	582		
06/MSM12/1	487	1	29 CTD/ROS	29.05.09	21:22:00	BO	62° 56.07	N 40° 34.17	W	583	564	11
06/MSM12/1	487	1	29 CTD/ROS	29.05.09	21:42:00	EN	62° 56.09	N 40° 34.29	W	583		
06/MSM12/1	488	1	30 CTD/ROS	29.05.09	22:10:00	BE	62° 55.00	N 40° 27.83	W	502		
06/MSM12/1	488	1	30 CTD/ROS	29.05.09	22:26:00	BO	62° 55.02	N 40° 27.94	W	503	455	9
06/MSM12/1	488	1	30 CTD/ROS	29.05.09	22:45:00	EN	62° 55.04	N 40° 28.06	W	505		
06/MSM12/1	489	1	31 CTD/ROS	29.05.09	23:15:00	BE	62° 53.87	N 40° 21.58	W	359		
06/MSM12/1	489	1	31 CTD/ROS	29.05.09	23:28:12	BO	62° 53.88	N 40° 21.67	W	360	344	8
06/MSM12/1	489	1	31 CTD/ROS	29.05.09	23:41:00	EN	62° 53.86	N 40° 21.73	W	364		
06/MSM12/1	490	1	32 CTD/ROS/LADCP	29.05.09	0:10:00	BE	62° 52.71	N 40° 15.29	W	1358		
06/MSM12/1	490	1	32 CTD/ROS/LADCP	29.05.09	0:39:00	BO	62° 52.47	N 40° 15.48	W	1393	1404	12
06/MSM12/1	490	1	32 CTD/ROS/LADCP	29.05.09	1:13:00	EN	62° 52.13	N 40° 15.64	W	1400		
06/MSM12/1	491	1	33 CTD/ROS/LADCP	29.05.09	1:45:00	BE	62° 51.58	N 40° 09.18	W	1596		
06/MSM12/1	491	1	33 CTD/ROS/LADCP	29.05.09	2:17:00	BO	62° 51.40	N 40° 09.45	W	1641	1594	12
06/MSM12/1	491	1	33 CTD/ROS/LADCP	29.05.09	2:49:00	EN	62° 51.20	N 40° 09.56	W	1641		
06/MSM12/1	492	1	34 CTD/ROS/LADCP	29.05.09	3:26:00	BE	62° 50.44	N 40° 03.05	W	1761		
06/MSM12/1	492	1	34 CTD/ROS/LADCP	29.05.09	4:02:00	BO	62° 50.44	N 40° 03.52	W	1786	1777	9
06/MSM12/1	492	1	34 CTD/ROS/LADCP	29.05.09	4:39:00	EN	62° 50.07	N 40° 03.84	W	1794		
06/MSM12/1	493	1	MOR	30.05.09	13:04:00	BE	63° 35.71	N 36° 38.34	W			Recovery F1/F2
06/MSM12/1	493	1	MOR	30.05.09	14:23:00	EN	63° 35.54	N 36° 39.72	W			FAILED
06/MSM12/1	494	1	MOR	30.05.09	15:34:00	BE	63° 29.20	N 36° 17.64	W	1995		Recovery UK1
06/MSM12/1	494	1	MOR	30.05.09	16:27:00	EN	63° 28.23	N 36° 18.48	W			
06/MSM12/1	495	1	MOR	30.05.09	17:06:00	BE	63° 30.87	N 36° 19.29	W	1986		Deployment UK1
06/MSM12/1	495	1	MOR	30.05.09	17:58:00	EN	63° 28.94	N 36° 17.95	W	1993		
06/MSM12/1	495	1	MOR	30.05.09			63° 29.02	N 36° 18.03	W			Estimated Position
06/MSM12/1	496	1	MOR	30.05.09	18:57:00	BE	63° 23.44	N 36° 3.96	W	2171		Recovery G1
06/MSM12/1	496	1	MOR	30.05.09	20:26:00	EN	63° 22.88	N 36° 4.43	W			FAILED
06/MSM12/1	497	1	MOR	30.05.09	21:20:00	BE	63° 17.13	N 35° 51.80	W			Recovery UK2
06/MSM12/1	497	1	MOR	30.05.09	22:15:00	EN	63° 16.80	N 35° 53.48	W	2363		
06/MSM12/1	498	1	35 CTD/ROS/LADCP	31.05.09	1:42:00	BE	62° 46.03	N 34° 59.03	W	2766		
06/MSM12/1	498	1	35 CTD/ROS/LADCP	31.05.09	2:33:00	BO	62° 46.03	N 34° 59.03	W	2768	2769	12 Microcats callibration
06/MSM12/1	498	1	35 CTD/ROS/LADCP	31.05.09	4:03:00	EN	62° 46.03	N 34° 59.05	W	2766		
06/MSM12/1	499	1	36 CTD/ROS/LADCP	31.05.09	5:07:00	BE	62° 54.01	N 35° 14.04	W	2717		
06/MSM12/1	499	1	36 CTD/ROS/LADCP	31.05.09	6:01:00	BO	62° 54.01	N 35° 14.04	W	2718	2719	10 MSS, Fired at 2367 db
06/MSM12/1	499	1	36 CTD/ROS/LADCP	31.05.09	7:13:00	EN	62° 54.01	N 35° 14.04	W	2718		FAILED; MSS not released
06/MSM12/1	499	2	37 CTD/ROS/LADCP	31.05.09	7:50:00	BE	62° 54.01	N 35° 14.03	W	2505		
06/MSM12/1	499	2	37 CTD/ROS/LADCP	31.05.09	8:43:00	BO	62° 54.01	N 35° 14.02	W	2507	2721	9 MSS, Fired at 2395 db
06/MSM12/1	499	2	37 CTD/ROS/LADCP	31.05.09	10:04:00	EN	62° 54.01	N 35° 14.02	W	2506		
06/MSM12/1	500	1	38 CTD/ROS/LADCP	31.05.09	11:13:00	BE	63° 2.0	N 35° 28.91	W	2656		
06/MSM12/1	500	1	38 CTD/ROS/LADCP	31.05.09	12:01:00	BO	63° 2.0	N 35° 28.91	W	2655	2653	12
06/MSM12/1	500	1	38 CTD/ROS/LADCP	31.05.09	12:59:00	EN	63° 2.0	N 35° 28.92	W	2655		
06/MSM12/1	501	1	39 CTD/ROS/LADCP	31.05.09	14:01:00	BE	63° 10.04	N 35° 44.03	W	2505		
06/MSM12/1	501	1	39 CTD/ROS/LADCP	31.05.09	14:48:00	BO	63° 10.04	N 35° 44.02	W	2507	2503	10
06/MSM12/1	501	1	39 CTD/ROS/LADCP	31.05.09	15:38:00	EN	63° 10.04	N 35° 44.02	W	2506		
06/MSM12/1	502	1	40 CTD/ROS/LADCP	31.05.09	16:19:00	BE	63° 14.01	N 35° 51.53	W	2410		
06/MSM12/1	502	1	40 CTD/ROS/LADCP	31.05.09	17:06:00	BO	63° 14.01	N 35° 51.53	W	2408	2405	9.7
06/MSM12/1	502	1	40 CTD/ROS/LADCP	31.05.09	18:00:00	EN	63° 14.01	N 35° 51.53	W	2408		
06/MSM12/1	503	1	MOR	31.05.09	18:42:00	BE	63° 18.84	N 35° 53.00	W	2317		Deployment UK2
06/MSM12/1	503	1	MOR	31.05.09	19:34:00	EN	63° 16.87	N 35° 51.99	W	2374		
06/MSM12/1	503	1	MOR	31.05.09			63° 16.98	N 35° 52.02	W			Estimated Position
06/MSM12/1	504	1	MSS	31.05.09	19:49:00	BE	63° 16.99	N 35° 52.45	W	2359		
06/MSM12/1	504	1	MSS	31.05.09	19:52:00	BO	63° 16.99	N 35° 52.45	W	2360		MSS test
06/MSM12/1	504	1	MSS	31.05.09	20:01:00	EN	63° 16.99	N 35° 52.45	W	2359		NO CTD PROTOCOL
06/MSM12/1	505	1	41 CTD/ROS/LADCP	31.05.09	20:38:00	BE	63° 18.02	N 35° 58.96	W	2308		
06/MSM12/1	505	1	41 CTD/ROS/LADCP	31.05.09	21:23:00	BO	63° 18.03	N 35° 58.95	W	2311	2298	9.9
06/MSM12/1	505	1	41 CTD/ROS/LADCP	31.05.09	22:12:00	EN	63° 18.03	N 35° 58.97	W	2307		
06/MSM12/1	506	1	42 CTD/ROS/LADCP	31.05.09	22:54:00	BE	63° 22.02	N 36° 6.39	W	2204		
06/MSM12/1	506	1	42 CTD/ROS/LADCP	31.05.09	23:02:00	BO	63° 22.02	N 36° 6.39	W	2202	2192	9.6
06/MSM12/1	506	1	42 CTD/ROS/LADCP	31.05.09	23:06:00	EN	63° 22.02	N 36° 6.38	W	2207		
06/MSM12/1	506	2	CTD/ROS	31.05.09	23:12:00	BE	63° 22.03	N 36° 6.39	W	2203		
06/MSM12/1	506	2	CTD/ROS	31.05.09	23:57:00	BO	63° 22.02	N 36° 6.40	W	2204		
06/MSM12/1	506	2	CTD/ROS	01.06.09	0:44:00	EN	63° 22.02	N 36° 6.40	W	2205		

06/MSM12/1	507	1	43 CTD/ROS/LADCP	01.06.09	1:21:00	BE	63° 25.96	N 36° 13.88	W	2098		
06/MSM12/1	507	1	43 CTD/ROS/LADCP	01.06.09	2:06:00	BO	63° 25.96	N 36° 13.88	W	2096	2084	10 MSS, Fired at 1725 db
06/MSM12/1	507	1	43 CTD/ROS/LADCP	01.06.09	2:58:00	EN	63° 25.96	N 36° 13.88	W	2095		
06/MSM12/1	507	2	44 CTD/ROS/LADCP	01.06.09	4:15:00	BE	63° 26.0	N 36° 13.96	W	2095		
06/MSM12/1	507	2	44 CTD/ROS/LADCP	01.06.09	4:48:00		63° 25.93	N 36° 13.77	W	2098	995	FAILED, COM-Connection lost at 1007db,
06/MSM12/1	507	2	44 CTD/ROS/LADCP	01.06.09	5:12:00	EN	63° 25.87	N 36° 13.64	W	2099		
06/MSM12/1	508	1	DRG	01.06.09	6:03:00	BE	63° 24.19	N 36° 4.28	W	2139		G1
06/MSM12/1	508	1	DRG	01.06.09	7:48:00	EN	63° 23.67	N 36° 3.92	W	2173		lost
06/MSM12/1	508	2	MOR	01.06.09	8:13:00	BE	63° 23.68	N 36° 3.91	W	2171		G1
06/MSM12/1	508	2	MOR	01.06.09	8:28:00	EN	63° 23.78	N 36° 3.56	W	2172		FAILED
06/MSM12/1	509	1	MOR	01.06.09	9:47:00	BE	63° 23.66	N 36° 3.76	W	2173		Deployment G1-09
06/MSM12/1	509	1	MOR	01.06.09	10:52:00	EN	63° 21.70	N 36° 7.29	W	2204		
06/MSM12/1	509	1	MOR	01.06.09			63° 21.37	N 36° 7.07	W			Estimated Position
06/MSM12/1	510	1	45 CTD/ROS/LADCP	01.06.09	11:57:00	BE	63° 26.03	N 36° 13.98	W	2093		
06/MSM12/1	510	1	45 CTD/ROS/LADCP	01.06.09	12:36:00	BO	63° 26.03	N 36° 13.96	W	2093	2081	10
06/MSM12/1	510	1	45 CTD/ROS/LADCP	01.06.09	13:21:00	EN	63° 26.03	N 36° 13.95	W	2093		
06/MSM12/1	511	1	46 CTD/ROS/LADCP	01.06.09	14:00:00	BE	63° 29.99	N 36° 21.54	W	1937		
06/MSM12/1	511	1	46 CTD/ROS/LADCP	01.06.09	14:35:00	BO	63° 29.99	N 36° 21.54	W	1935	1925	11
06/MSM12/1	511	1	46 CTD/ROS/LADCP	01.06.09	15:14:00	EN	63° 29.99	N 36° 21.55	W	1937		
06/MSM12/1	512	1	47 CTD/ROS/LADCP	01.06.09	15:49:00	BE	63° 34.02	N 36° 27.96	W	1800		
06/MSM12/1	512	1	47 CTD/ROS/LADCP	01.06.09	16:26:00	BO	63° 34.02	N 36° 27.96	W	1800	1785	9
06/MSM12/1	512	1	47 CTD/ROS/LADCP	01.06.09	17:06:00	EN	63° 34.02	N 36° 27.96	W	1800		
06/MSM12/1	512	2	48 CTD/ROS/LADCP	01.06.09	17:32:00	BE	63° 34.02	N 36° 27.96	W	1800		
06/MSM12/1	512	2	48 CTD/ROS/LADCP	01.06.09	18:09:00	BO	63° 34.02	N 36° 27.96	W	1800	1785	8.7 MSS, Fired at 1423 db
06/MSM12/1	512	2	48 CTD/ROS/LADCP	01.06.09	19:03:00	EN	63° 34.02	N 36° 27.96	W	1798		
06/MSM12/1	513	1	MOR	01.06.09	20:08:00	BE	63° 34.42	N 36° 26.80	W	1801		Deployment F2
06/MSM12/1	513	1	MOR	01.06.09	20:59:00	EN	63° 33.00	N 36° 30.10	W	1792		
06/MSM12/1	513	1	MOR	01.06.09			63° 33.01	N 36° 30.09	W			Estimated Position
06/MSM12/1	514	1	49 CTD/ROS/LADCP	01.06.09	21:38:00	BE	63° 38.01	N 36° 35.49	W	1668		
06/MSM12/1	514	1	49 CTD/ROS/LADCP	01.06.09	22:12:00	BO	63° 38.01	N 36° 35.49	W	1664	1650	10
06/MSM12/1	514	1	49 CTD/ROS/LADCP	01.06.09	22:52:00	EN	63° 38.01	N 36° 35.49	W	1664		
06/MSM12/1	515	1	50 CTD/ROS/LADCP	01.06.09	23:33:00	BE	63° 42.06	N 36° 43.06	W	1715		
06/MSM12/1	515	1	50 CTD/ROS/LADCP	02.06.09	0:06:00	BO	63° 42.06	N 36° 43.06	W	1717	1694	8.6
06/MSM12/1	515	1	50 CTD/ROS/LADCP	02.06.09	0:43:00	EN	63° 42.06	N 36° 43.06	W			
06/MSM12/1	516	1	51 CTD/ROS/LADCP	02.06.09	1:22:00	BE	63° 46.00	N 36° 50.46	W	665		
06/MSM12/1	516	1	51 CTD/ROS/LADCP	02.06.09	1:37:00	BO	63° 46.00	N 36° 50.46	W	664	650	11
06/MSM12/1	516	1	51 CTD/ROS/LADCP	02.06.09	1:53:00	EN	63° 46.00	N 36° 50.45	W	663		
06/MSM12/1	517	1	52 CTD/ROS/LADCP	02.06.09	2:32:00	BE	63° 50.00	N 36° 57.96	W	363		
06/MSM12/1	517	1	52 CTD/ROS/LADCP	02.06.09	2:42:00	BO	63° 50.00	N 36° 57.96	W	362	348	7.8
06/MSM12/1	517	1	52 CTD/ROS/LADCP	02.06.09	2:52:00	EN	63° 50.00	N 36° 57.97	W	366		
06/MSM12/1	518	1	53 CTD/ROS	03.06.09	0:01:00	BE	66° 32.01	N 29° 5.88	W	337		
06/MSM12/1	518	1	53 CTD/ROS	03.06.09	0:10:00	BO	66° 32.01	N 29° 5.87	W	342	308	9
06/MSM12/1	518	1	53 CTD/ROS	03.06.09	0:19:00	EN	66° 32.01	N 29° 5.87	W	333		
06/MSM12/1	519	1	54 CTD/ROS	03.06.09	1:02:00	BE	66° 32.02	N 28° 50.39	W	338		
06/MSM12/1	519	1	54 CTD/ROS	03.06.09	1:11:00	BO	66° 32.02	N 28° 50.38	W	337	317	9.2
06/MSM12/1	519	1	54 CTD/ROS	03.06.09	1:22:00	EN	66° 32.02	N 28° 50.38	W	339		
06/MSM12/1	519	2	MSS	03.06.09	1:27:00	BE	66° 32.02	N 28° 50.38	W	338		
06/MSM12/1	519	2	MSS	03.06.09	1:33:00	BO	66° 32.03	N 28° 50.25	W	337		MSS, lowered from deck
06/MSM12/1	519	2	MSS	03.06.09	1:58:00	EN	66° 32.12	N 28° 50.68	W	335		
06/MSM12/1	520	1	55 CTD/ROS	03.06.09	2:47:00	BE	66° 28.23	N 28° 35.33	W	331		
06/MSM12/1	520	1	55 CTD/ROS	03.06.09	2:58:00	BO	66° 28.25	N 28° 35.27	W	335	316	8
06/MSM12/1	520	1	55 CTD/ROS	03.06.09	3:08:00	EN	66° 28.32	N 28° 34.97	W	333		
06/MSM12/1	521	1	56 CTD/ROS	03.06.09	3:55:00	BE	66° 24.01	N 28° 20.27	W	343		
06/MSM12/1	521	1	56 CTD/ROS	03.06.09	4:05:00	BO	66° 24.01	N 28° 20.25	W	343	324	9.2
06/MSM12/1	521	1	56 CTD/ROS	03.06.09	4:17:00	EN	66° 24.01	N 28° 20.25	W	345		
06/MSM12/1	522	1	57 CTD/ROS	03.06.09	5:07:00	BE	66° 19.80	N 28° 5.30	W	353		
06/MSM12/1	522	1	57 CTD/ROS	03.06.09	5:17:00	BO	66° 19.80	N 28° 5.30	W	356	333	8.6
06/MSM12/1	522	1	57 CTD/ROS	03.06.09	5:29:00	EN	66° 19.80	N 28° 5.30	W	353		
06/MSM12/1	523	1	58 CTD/ROS	03.06.09	6:16:00	BE	66° 16.19	N 27° 50.28	W	467		
06/MSM12/1	523	1	58 CTD/ROS	03.06.09	6:28:00	BO	66° 16.18	N 27° 50.22	W	471	451	9.4
06/MSM12/1	523	1	58 CTD/ROS	03.06.09	6:41:00	EN	66° 16.15	N 27° 50.08	W	471		
06/MSM12/1	524	1	59 CTD/ROS	03.06.09	7:28:00	BE	66° 11.97	N 27° 35.28	W	499		
06/MSM12/1	524	1	59 CTD/ROS	03.06.09	7:40:00	BO	66° 11.90	N 27° 35.18	W	502	480	9 MSS, Fired at 124 db
06/MSM12/1	524	1	59 CTD/ROS	03.06.09	8:19:00	EN	66° 11.75	N 27° 34.48	W	500		
06/MSM12/1	525	1	60 CTD/ROS	03.06.09	9:04:00	BE	66° 10.47	N 27° 28.96	W	499		
06/MSM12/1	525	1	60 CTD/ROS	03.06.09	9:20:00	BO	66° 10.35	N 27° 28.79	W	499	476	8.5
06/MSM12/1	525	1	60 CTD/ROS	03.06.09	9:35:00	EN	66° 10.23	N 27° 28.60	W	497		
06/MSM12/1	526	1	61 CTD/ROS	03.06.09	10:06:00	BE	66° 8.97	N 27° 22.76	W	505		
06/MSM12/1	526	1	61 CTD/ROS	03.06.09	10:21:00	BO	66° 8.85	N 27° 22.60	W	506	481	9.9
06/MSM12/1	526	1	61 CTD/ROS	03.06.09	10:36:00	EN	66° 8.71	N 27° 22.59	W	505		
06/MSM12/1	527	1	62 CTD/ROS	03.06.09	11:03:00	BE	66° 7.48	N 27° 16.44	W	583		
06/MSM12/1	527	1	62 CTD/ROS	03.06.09	11:19:00	BO	66° 7.40	N 27° 16.51	W	587	561	9.9 MSS, Fired at 236 db
06/MSM12/1	527	1	62 CTD/ROS	03.06.09	12:54:00	EN	66° 7.09	N 27° 16.95	W	592		
06/MSM12/1	528	1	MOR	03.06.09	12:42:00	BE	66° 7.49	N 27° 16.05	W	576		Recovery ADCP HHDS2
06/MSM12/1	528	1	MOR	03.06.09	13:06:00	EN	66° 6.87	N 27° 16.53	W	601		
06/MSM12/1	529	1	MOR	03.06.09	13:48:00	BE,EN	66° 7.22	N 27° 16.13	W	592		Deployment ADCP HHDS2
06/MSM12/1	529	1	MOR	03.06.09			66° 7.22	N 27° 16.13	W			Estimated Position
06/MSM12/1	530	1	63 CTD/ROS	03.06.09	14:18:00	BE	66° 5.98	N 27° 10.07	W	639		
06/MSM12/1	530	1	63 CTD/ROS	03.06.09	14:33:00	BO	66° 5.80	N 27° 10.45	W	643	615	10.3
06/MSM12/1	530	1	63 CTD/ROS	03.06.09	14:48:00	EN	66° 5.56	N 27° 10.87	W	644		
06/MSM12/1	531	1	MOR	03.06.09	15:13:00	BE	66° 4.91	N 27° 5.28	W	670		Recovery ADCP ISL-DS1
06/MSM12/1	531	1	MOR	03.06.09	15:35:00	EN	66° 4.52	N 27° 6.42	W			
06/MSM12/1	532	1	64 CTD/ROS	03.06.09	15:56:00	BE	66° 4.50	N 27° 3.90	W	672		
06/MSM12/1	532	1	64 CTD/ROS	03.06.09	16:13:00	BO	66° 4.50	N 27° 3.90	W	673	652	11 MSS, Fired at 297 db
06/MSM12/1	532	1	64 CTD/ROS	03.06.09	16:50:00	EN	66° 4.50	N 27° 3.89	W	672		
06/MSM12/1	533	1	65 CTD/ROS	03.06.09	17:42:00	BE	66° 2.99	N 26° 57.51	W	614		
06/MSM12/1	533	1	65 CTD/ROS	03.06.09	17:55:00	BO	66° 2.99	N 26° 57.51	W	612	598	7
06/MSM12/1	533	1	65 CTD/ROS	03.06.09	18:12:00	EN	66° 2.99	N 26° 57.51	W	611		
06/MSM12/1	534	1	66 CTD/ROS	03.06.09	18:39:00	BE	66° 1.51	N 26° 51.24	W	529		
06/MSM12/1	534	1	66 CTD/ROS	03.06.09	18:52:00	BO	66° 1.51	N 26° 51.24	W	523	508	8.9
06/MSM12/1	534	1	66 CTD/ROS	03.06.09	19:05:00	EN	66° 1.51	N 26° 51.24	W	526		

06/MSM12/1	535	1	67 CTD/ROS	03.06.09	19:32:00	BE	65° 59.99	N 26° 44.88	W	383		
06/MSM12/1	535	1	67 CTD/ROS	03.06.09	19:43:00	BO	65° 59.99	N 26° 44.83	W	379	364	8.9
06/MSM12/1	535	1	67 CTD/ROS	03.06.09	19:53:00	EN	66° 00.00	N 26° 44.75	W	374		
06/MSM12/1	536	1	68 CTD/ROS	04.06.09	1:12:00	BE	65° 51.97	N 27° 16.07	W	389		
06/MSM12/1	536	1	68 CTD/ROS	04.06.09	1:24:00	BO	65° 51.97	N 27° 16.07	W	389	362	8.4
06/MSM12/1	536	1	68 CTD/ROS	04.06.09	1:35:00	EN	65° 51.97	N 27° 16.07	W	389		
06/MSM12/1	537	1	69 CTD/ROS	04.06.09	2:22:00	BE	65° 52.02	N 27° 1.02	W	433		
06/MSM12/1	537	1	69 CTD/ROS	04.06.09	2:34:00	BO	65° 52.02	N 27° 1.02	W	434	410	7.2
06/MSM12/1	537	1	69 CTD/ROS	04.06.09	2:45:00	EN	65° 52.02	N 27° 1.02	W	433		
06/MSM12/1	538	1	70 CTD/ROS	04.06.09	3:23:00	BE	65° 51.98	N 26° 46.03	W	536		
06/MSM12/1	538	1	70 CTD/ROS	04.06.09	3:45:00	BO	65° 51.98	N 26° 46.02	W	537	514	7
06/MSM12/1	538	1	70 CTD/ROS	04.06.09	4:01:00	EN	65° 51.98	N 26° 46.03	W	537		
06/MSM12/1	539	1	71 CTD/ROS	04.06.09	4:50:00	BE	65° 52.03	N 26° 30.93	W	602		
06/MSM12/1	539	1	71 CTD/ROS	04.06.09	5:04:00	BO	65° 52.03	N 26° 30.93	W	601	578	8
06/MSM12/1	539	1	71 CTD/ROS	04.06.09	5:20:00	EN	65° 52.03	N 26° 30.93	W	603		
06/MSM12/1	540	1	72 CTD/ROS/LADCP	04.06.09	6:10:00	BE	65° 52.01	N 26° 15.00	W	656		
06/MSM12/1	540	1	72 CTD/ROS/LADCP	04.06.09	6:25:00	BO	65° 52.01	N 26° 15.00	W	658	628	10
06/MSM12/1	540	1	72 CTD/ROS/LADCP	04.06.09	6:43:00	EN	65° 52.01	N 26° 15.00	W	662		
06/MSM12/1	541	1	73 CTD/ROS/LADCP	04.06.09	7:32:00	BE	66° 52.03	N 25° 58.95	W	723		
06/MSM12/1	541	1	73 CTD/ROS/LADCP	04.06.09	7:49:00	BO	66° 52.14	N 25° 58.86	W	728	698	9 MSS, Fired at 334 db
06/MSM12/1	541	1	73 CTD/ROS/LADCP	04.06.09	8:28:00	EN	66° 52.38	N 25° 58.62	W	730		
06/MSM12/1	542	1	74 CTD/ROS/LADCP	04.06.09	9:31:00	BE	66° 52.02	N 25° 43.04	W	849		
06/MSM12/1	542	1	74 CTD/ROS/LADCP	04.06.09	9:50:00	BO	66° 52.02	N 25° 43.05	W	846	814	6
06/MSM12/1	542	1	74 CTD/ROS/LADCP	04.06.09	10:14:00	EN	66° 52.02	N 25° 43.04	W	843		
06/MSM12/1	543	1	75 CTD/ROS/LADCP	04.06.09	11:04:00	BE	66° 52.00	N 25° 26.99	W	1011		
06/MSM12/1	543	1	75 CTD/ROS/LADCP	04.06.09	11:31:00	BO	66° 51.99	N 25° 27.05	W	1010	978	9
06/MSM12/1	543	1	75 CTD/ROS/LADCP	04.06.09	11:58:00	EN	66° 51.92	N 25° 27.22	W	1013		
06/MSM12/1	544	1	76 CTD/ROS/LADCP	04.06.09	12:34:00	BE	66° 48.93	N 25° 20.94	W	949		
06/MSM12/1	544	1	76 CTD/ROS/LADCP	04.06.09	12:53:00	BO	66° 48.80	N 25° 20.95	W	944	913	9.2 MSS, Fired at 576 db
06/MSM12/1	544	1	76 CTD/ROS/LADCP	04.06.09	13:30:00	EN	66° 48.49	N 25° 21.17	W	941		
06/MSM12/1	544	2	77 CTD/ROS/LADCP	04.06.09	13:50:00	BE	66° 48.36	N 25° 21.36	W	938		
06/MSM12/1	544	2	77 CTD/ROS/LADCP	04.06.09	14:07:00	BO	66° 48.24	N 25° 21.56	W	938	903	9
06/MSM12/1	544	2	77 CTD/ROS/LADCP	04.06.09	14:29:00	EN	66° 48.06	N 25° 21.84	W	935		
06/MSM12/1	545	1	PIES	04.06.09	15:38:00	BE	66° 45.20	N 25° 0.07	W	707		Hydrophone enabled
06/MSM12/1	545	1	PIES	04.06.09	19:19:00	EN	66° 44.56	N 24° 59.75	W			PIES not found, search abandoned
06/MSM12/1	546	1	78 CTD/ROS/LADCP	04.06.09	20:16:00	BE	66° 47.46	N 25° 14.95	W	891		
06/MSM12/1	546	1	78 CTD/ROS/LADCP	04.06.09	20:35:00	BO	66° 47.43	N 25° 14.89	W	891	859	8.5
06/MSM12/1	546	1	78 CTD/ROS/LADCP	04.06.09	20:57:00	EN	66° 47.38	N 25° 14.77	W	890		
06/MSM12/1	547	1	79 CTD/ROS/LADCP	04.06.09	21:24:00	BE	66° 45.99	N 25° 8.92	W	807		
06/MSM12/1	547	1	79 CTD/ROS/LADCP	04.06.09	21:44:00	BO	66° 45.95	N 25° 8.78	W	808	778	5.3
06/MSM12/1	547	1	79 CTD/ROS/LADCP	04.06.09	22:07:00	EN	66° 45.92	N 25° 8.64	W	803		
06/MSM12/1	548	1	80 CTD/ROS/LADCP	04.06.09	22:36:00	BE	66° 44.50	N 25° 3.04	W	726		
06/MSM12/1	548	1	80 CTD/ROS/LADCP	04.06.09	22:56:00	BO	66° 44.50	N 25° 3.03	W	727	700	3.4 MSS, fired at 375 db
06/MSM12/1	548	1	80 CTD/ROS/LADCP	04.06.09	23:34:00	EN	66° 44.47	N 25° 3.09	W	726		
06/MSM12/1	549	1	81 CTD/ROS	05.06.09	0:19:00	BE	66° 42.98	N 24° 57.08	W	599		
06/MSM12/1	549	1	81 CTD/ROS	05.06.09	0:34:00	BO	66° 42.97	N 24° 57.08	W	599	575	5.5
06/MSM12/1	549	1	81 CTD/ROS	05.06.09	0:50:00	EN	66° 42.97	N 24° 57.08	W	599		
06/MSM12/1	550	1	82 CTD/ROS	05.06.09	1:14:00	BE	66° 41.52	N 24° 51.05	W	387		
06/MSM12/1	550	1	82 CTD/ROS	05.06.09	1:25:00	BO	66° 41.51	N 24° 51.05	W	387	371	2.7
06/MSM12/1	550	1	82 CTD/ROS	05.06.09	1:36:00	EN	66° 41.51	N 24° 51.04	W	387		
06/MSM12/1	551	1	83 CTD/ROS	05.06.09	2:00:00	BE	66° 39.99	N 24° 45.00	W	189		
06/MSM12/1	551	1	83 CTD/ROS	05.06.09	2:06:00	BO	66° 39.99	N 24° 45.00	W	188	173	9.3
06/MSM12/1	551	1	83 CTD/ROS	05.06.09	2:13:00	EN	66° 39.99	N 24° 45.00	W	189		
06/MSM12/1	552	1	MOR	05.06.09	8:13:00	BE,EN	66° 04.59	N 27° 5.57	W	669		Deployment ADCP ISL-DS1
06/MSM12/1	552		MOR	05.06.09			66° 04.59	N 27° 5.57	W			Estimated Position
06/MSM12/1	553	1	84 CTD/ROS	05.06.09	12:20:00	BE	66° 7.54	N 29° 3.36	W	317		
06/MSM12/1	553	1	84 CTD/ROS	05.06.09	12:32:00	BO	66° 7.55	N 29° 3.36	W	318	299	4.7
06/MSM12/1	553	1	84 CTD/ROS	05.06.09	12:41:00	EN	66° 7.55	N 29° 3.36	W	315		
06/MSM12/1	554	1	85 CTD/ROS	05.06.09	13:19:00	BE	66° 2.71	N 28° 56.66	W	326		
06/MSM12/1	554	1	85 CTD/ROS	05.06.09	13:29:00	BO	66° 2.76	N 28° 56.87	W	324	310	7.8
06/MSM12/1	554	1	85 CTD/ROS	05.06.09	13:38:00	EN	66° 2.83	N 28° 57.02	W	324		
06/MSM12/1	555	1	86 CTD/ROS	05.06.09	14:18:00	BE	65° 57.91	N 28° 49.94	W	410		
06/MSM12/1	555	1	86 CTD/ROS	05.06.09	14:30:00	BO	65° 57.93	N 28° 50.04	W	409	395	2.3
06/MSM12/1	555	1	86 CTD/ROS	05.06.09	14:42:00	EN	65° 57.94	N 28° 50.50	W	410		
06/MSM12/1	556	1	87 CTD/ROS	05.06.09	15:13:00	BE	65° 54.76	N 28° 44.92	W	477		
06/MSM12/1	556	1	87 CTD/ROS	05.06.09	15:25:00	BO	65° 54.88	N 28° 45.05	W	478	461	7.9
06/MSM12/1	556	1	87 CTD/ROS	05.06.09	15:39:00	EN	65° 54.94	N 28° 45.37	W	472		
06/MSM12/1	557	1	88 CTD/ROS	05.06.09	16:11:00	BE	65° 51.90	N 28° 40.16	W	547		
06/MSM12/1	557	1	88 CTD/ROS	05.06.09	16:25:00	BO	65° 51.91	N 28° 40.16	W	550	526	11 MSS fired at 200 db
06/MSM12/1	557	1	88 CTD/ROS	05.06.09	16:57:00	EN	65° 51.91	N 28° 40.17	W	543		
06/MSM12/1	558	1	89 CTD/ROS/LADCP	05.06.09	17:46:00	BE	65° 49.00	N 28° 35.54	W	668		
06/MSM12/1	558	1	89 CTD/ROS/LADCP	05.06.09	18:03:00	BO	65° 49.01	N 28° 35.62	W	663	644	12
06/MSM12/1	558	1	89 CTD/ROS/LADCP	05.06.09	18:21:00	EN	65° 49.04	N 28° 36.08	W	665		
06/MSM12/1	559	1	90 CTD/ROS/LADCP	05.06.09	18:54:00	BE	65° 46.58	N 28° 29.89	W	809		
06/MSM12/1	559	1	90 CTD/ROS/LADCP	05.06.09	19:15:00	BO	65° 46.58	N 28° 29.89	W	807	789	10
06/MSM12/1	559	1	90 CTD/ROS/LADCP	05.06.09	19:38:00	EN	65° 46.58	N 28° 29.89	W	814		
06/MSM12/1	560	1	91 CTD/ROS/LADCP	05.06.09	20:11:00	BE	65° 43.23	N 28° 24.90	W	937		
06/MSM12/1	560	1	91 CTD/ROS/LADCP	05.06.09	20:33:00	BO	65° 43.23	N 28° 24.90	W	937	915	13 MSS fired at 710 db
06/MSM12/1	560	1	91 CTD/ROS/LADCP	05.06.09	21:13:00	EN	65° 43.38	N 28° 24.74	W	931		
06/MSM12/1	561	1	92 CTD/ROS/LADCP	05.06.09	22:01:00	BE	65° 40.14	N 28° 20.01	W	1003		
06/MSM12/1	561	1	92 CTD/ROS/LADCP	05.06.09	22:24:00	BO	65° 40.13	N 28° 20.01	W	1003	995	8.9
06/MSM12/1	561	1	92 CTD/ROS/LADCP	05.06.09	22:51:00	EN	65° 40.13	N 28° 20.00	W	1003		
06/MSM12/1	562	1	93 CTD/ROS/LADCP	05.06.09	23:21:00	BE	65° 37.11	N 28° 15.28	W	895		
06/MSM12/1	562	1	93 CTD/ROS/LADCP	05.06.09	23:42:00	BO	65° 37.11	N 28° 15.28	W	897	879	10
06/MSM12/1	562	1	93 CTD/ROS/LADCP	06.06.09	0:06:00	EN	65° 37.12	N 28° 15.28	W	896		
06/MSM12/1	563	1	94 CTD/ROS/LADCP	06.06.09	0:45:00	BE	65° 37.13	N 28° 2.11	W	846		
06/MSM12/1	563	1	94 CTD/ROS/LADCP	06.06.09	1:04:00	BO	65° 37.13	N 28° 2.11	W	840	828	6.7 MSS fired at 540 db
06/MSM12/1	563	1	94 CTD/ROS/LADCP	06.06.09	1:38:00	EN	65° 37.13	N 28° 2.11	W	841		
06/MSM12/1	564	1	95 CTD/ROS/LADCP	06.06.09	2:34:00	BE	65° 37.06	N 27° 48.63	W	746		
06/MSM12/1	564	1	95 CTD/ROS/LADCP	06.06.09	2:51:00	BO	65° 37.07	N 27° 48.65	W	747	734	5.8
06/MSM12/1	564	1	95 CTD/ROS/LADCP	06.06.09	3:08:00	EN	65° 37.07	N 27° 48.65	W	746		

06/MSM12/1	565	1	96 CTD/ROS/LADCP	06.06.09	3:45:00	BE	65° 37.07	N 27° 35.32	W	687		
06/MSM12/1	565	1	96 CTD/ROS/LADCP	06.06.09	4:01:00	BO	65° 37.07	N 27° 35.34	W	687	677	6.4
06/MSM12/1	565	1	96 CTD/ROS/LADCP	06.06.09	4:19:00	EN	65° 37.07	N 27° 35.34	W	688		
06/MSM12/1	566	1	97 CTD/ROS	06.06.09	4:58:00	BE	65° 37.09	N 27° 22.01	W	595		
06/MSM12/1	566	1	97 CTD/ROS	06.06.09	5:12:00	BO	65° 37.09	N 27° 22.01	W	595	578	9 MSS fired at 260 db
06/MSM12/1	566	1	97 CTD/ROS	06.06.09	5:43:00	EN	65° 37.09	N 27° 22.01	W	595		
06/MSM12/1	567	1	98 CTD/ROS	06.06.09	6:38:00	BE	65° 37.09	N 27° 8.80	W	453		
06/MSM12/1	567	1	98 CTD/ROS	06.06.09	6:50:00	BO	65° 37.09	N 27° 8.80	W	450	436	7.4
06/MSM12/1	567	1	98 CTD/ROS	06.06.09	7:05:00	EN	65° 37.09	N 27° 8.80	W	451		
06/MSM12/1	568	1	99 CTD/ROS	06.06.09	7:43:00	BE	65° 37.10	N 26° 55.53	W	348		
06/MSM12/1	568	1	99 CTD/ROS	06.06.09	7:55:00	BO	65° 37.10	N 26° 55.53	W	349	333	9.2
06/MSM12/1	568	1	99 CTD/ROS	06.06.09	8:08:00	EN	65° 37.10	N 26° 55.53	W	348		
06/MSM12/1	569	1	100 CTD/ROS/LADCP	06.06.09	11:14:00	BE	65° 22.00	N 28° 7.54	W	1042		
06/MSM12/1	569	1	100 CTD/ROS/LADCP	06.06.09	11:39:00	BO	65° 22.00	N 28° 7.54	W	1040	1023	9
06/MSM12/1	569	1	100 CTD/ROS/LADCP	06.06.09	12:06:00	EN	65° 22.00	N 28° 7.55	W	1037		
06/MSM12/1	570	1	101 CTD/ROS/LADCP	06.06.09	12:44:00	BE	65° 22.01	N 28° 20.03	W	1084		
06/MSM12/1	570	1	101 CTD/ROS/LADCP	06.06.09	13:07:00	BO	65° 22.00	N 28° 20.02	W	1086	1069	9
06/MSM12/1	570	1	101 CTD/ROS/LADCP	06.06.09	13:30:00	EN	65° 22.00	N 28° 20.02	W	1085		
06/MSM12/1	571	1	102 CTD/ROS/LADCP	06.06.09	14:09:00	BE	65° 22.00	N 28° 32.55	W	1168		
06/MSM12/1	571	1	102 CTD/ROS/LADCP	06.06.09	14:33:00	BO	65° 22.00	N 28° 32.55	W	1168	1158	4.7 MSS fired at 840 db
06/MSM12/1	571	1	102 CTD/ROS/LADCP	06.06.09	15:12:00	EN	65° 22.00	N 28° 32.55	W	1169		
06/MSM12/1	572	1	103 CTD/ROS/LADCP	06.06.09	16:04:00	BE	65° 22.01	N 28° 45.11	W	1312		
06/MSM12/1	572	1	103 CTD/ROS/LADCP	06.06.09	16:31:00	BO	65° 22.06	N 28° 45.21	W	1308	1299	6.3
06/MSM12/1	572	1	103 CTD/ROS/LADCP	06.06.09	17:04:00	EN	65° 22.14	N 28° 45.39	W	1301		
06/MSM12/1	573	1	104 CTD/ROS/LADCP	06.06.09	17:35:00	BE	65° 24.81	N 28° 49.65	W	1332		
06/MSM12/1	573	1	104 CTD/ROS/LADCP	06.06.09	18:01:00	BO	65° 24.85	N 28° 49.94	W	1338	1326	8.3
06/MSM12/1	573	1	104 CTD/ROS/LADCP	06.06.09	18:37:00	EN	65° 24.90	N 28° 50.35	W	1343		
06/MSM12/1	574	1	105 MSS	06.06.09	19:04:00	BE	65° 27.71	N 28° 54.34	W	1283		
06/MSM12/1	574	1	105 MSS	06.06.09	19:08	BO	65° 27.71	N 28° 54.34	W	1284	20	MSS Test Auslösung auf 20m
06/MSM12/1	574	1	105 MSS	06.06.09	19:11:00	EN	65° 27.72	N 28° 54.34	W	1281		
06/MSM12/1	574	2	106 CTD/ROS/LADCP	06.06.09	19:47:00	BE	65° 27.75	N 28° 54.62	W	1280		
06/MSM12/1	574	2	106 CTD/ROS/LADCP	06.06.09	20:16:00	BO	65° 27.75	N 28° 54.62	W	1280	1268	8.5
06/MSM12/1	574	2	106 CTD/ROS/LADCP	06.06.09	20:48:00	EN	65° 27.75	N 28° 54.62	W	1281		
06/MSM12/1	575	1	107 CTD/ROS/LADCP	06.06.09	21:20:00	BE	65° 30.48	N 28° 58.96	W	1225		
06/MSM12/1	575	1	107 CTD/ROS/LADCP	06.06.09	21:47:00	BO	65° 30.48	N 28° 58.96	W	1224	1210	9.6
06/MSM12/1	575	1	107 CTD/ROS/LADCP	06.06.09	22:23:00	EN	65° 30.48	N 28° 58.96	W	1225		
06/MSM12/1	576	1	108 CTD/ROS/LADCP	06.06.09	22:47:00	BE	65° 33.37	N 29° 03.70	W	1108		
06/MSM12/1	576	1	108 CTD/ROS/LADCP	06.06.09	23:16:00	BO	65° 33.37	N 29° 03.69	W	1110	1084	13.8
06/MSM12/1	576	1	108 CTD/ROS/LADCP	06.06.09	23:47:00	EN	65° 33.37	N 29° 03.70	W	1104		
06/MSM12/1	577	1	109 CTD/ROS	07.06.09	0:18:00	BE	65° 36.28	N 29° 08.42	W	960		
06/MSM12/1	577	1	109 CTD/ROS	07.06.09	0:38:00	BO	65° 36.28	N 29° 08.40	W	966	948	7.5 MSS fired at 700 db
06/MSM12/1	577	1	109 CTD/ROS	07.06.09	1:14:00	EN	65° 36.25	N 29° 08.40	W	961		
06/MSM12/1	577	2	110 CTD/ROS/LADCP	07.06.09	1:38:00	BE	65° 36.26	N 29° 08.40	W	961		
06/MSM12/1	577	2	110 CTD/ROS/LADCP	07.06.09	1:58:57	BO	65° 36.25	N 29° 08.40	W	961	949	6.5
06/MSM12/1	577	2	110 CTD/ROS/LADCP	07.06.09	2:19:00	EN	65° 36.25	N 29° 08.40	W	961		
06/MSM12/1	578	1	111 CTD/ROS/LADCP	07.06.09	2:47:00	BE	65° 39.17	N 29° 13.08	W	807		
06/MSM12/1	578	1	111 CTD/ROS/LADCP	07.06.09	3:01:00	BO	65° 39.17	N 29° 13.09	W	807	793	8.3
06/MSM12/1	578	1	111 CTD/ROS/LADCP	07.06.09	3:24:00	EN	65° 39.16	N 29° 13.10	W	807		
06/MSM12/1	579	1	112 CTD/ROS/LADCP	07.06.09	3:53:00	BE	65° 41.93	N 29° 17.77	W	593		
06/MSM12/1	579	1	112 CTD/ROS/LADCP	07.06.09	4:08:00	BO	65° 41.95	N 29° 17.78	W	593	583	9.8
06/MSM12/1	579	1	112 CTD/ROS/LADCP	07.06.09	4:40:00	EN	65° 41.94	N 29° 17.78	W	592		
06/MSM12/1	579	2	113 CTD/ROS	07.06.09	5:15:00	BE	65° 42.00	N 29° 17.81	W	591		
06/MSM12/1	579	2	113 CTD/ROS	07.06.09	5:32:00	BO	65° 42.00	N 29° 17.81	W	592	579	9.0
06/MSM12/1	579	2	113 CTD/ROS	07.06.09	5:48:00	EN	65° 42.00	N 29° 17.81	W	591		
06/MSM12/1	580	1	114 CTD/ROS	07.06.09	6:16:00	BE	65° 44.89	N 29° 22.53	W	397		
06/MSM12/1	580	1	114 CTD/ROS	07.06.09	6:30:00	BO	65° 44.89	N 29° 22.53	W	405	384	7.6
06/MSM12/1	580	1	114 CTD/ROS	07.06.09	6:42:00	EN	65° 44.83	N 29° 22.58	W	400		
06/MSM12/1	581	1	115 CTD/ROS/LADCP	07.06.09	10:20:00	BE	65° 59.99	N 29° 15.01	W	1411		
06/MSM12/1	581	1	115 CTD/ROS/LADCP	07.06.09	10:55:00	BO	65° 59.99	N 29° 15.02	W	1408	1445	9.9
06/MSM12/1	581	1	115 CTD/ROS/LADCP	07.06.09	11:32:00	EN	65° 59.99	N 29° 15.02	W	1408		
06/MSM12/1	582	1	116 CTD/ROS/LADCP	07.06.09	12:00:00	BE	65° 03.10	N 29° 18.12	W	1623		
06/MSM12/1	582	1	116 CTD/ROS/LADCP	07.06.09	12:33:34	BO	65° 03.10	N 29° 18.12	W	1616	1616	5.88
06/MSM12/1	582	1	116 CTD/ROS/LADCP	07.06.09	13:03:47	EN	65° 03.09	N 29° 18.12	W	1624		
06/MSM12/1	583	1	117 CTD/ROS/LADCP	07.06.09	13:38:40	BE	65° 06.29	N 29° 21.31	W	1755		
06/MSM12/1	583	1	117 CTD/ROS/LADCP	07.06.09	14:13:30	BO	65° 06.29	N 29° 21.31	W	1721	1745	9.8
06/MSM12/1	583	1	117 CTD/ROS/LADCP	07.06.09	14:48:48	EN	65° 06.29	N 29° 21.31	W			
06/MSM12/1	584	1	118 CTD/ROS/LADCP	07.06.09	15:25:00	BE	65° 09.39	N 29° 24.45	W	1623		
06/MSM12/1	584	1	118 CTD/ROS/LADCP	07.06.09	15:58:37	BO	65° 09.39	N 29° 24.44	W		1677	1.5
06/MSM12/1	584	1	118 CTD/ROS/LADCP	07.06.09	16:34:00	EN	65° 09.38	N 29° 24.44	W	1628		
06/MSM12/1	585	1	119 CTD/ROS/LADCP	07.06.09	17:01:00	BE	65° 12.50	N 29° 27.49	W	1611		
06/MSM12/1	585	1	119 CTD/ROS/LADCP	07.06.09	17:34:00	BO	65° 12.50	N 29° 27.50	W	1609	1597	9
06/MSM12/1	585	1	119 CTD/ROS/LADCP	07.06.09	18:12:00	EN	65° 12.50	N 29° 27.49	W	1609		
06/MSM12/1	586	1	120 CTD/ROS	07.06.09	18:36:00	BE	65° 15.60	N 29° 30.64	W	1528		
06/MSM12/1	586	1	120 CTD/ROS	07.06.09	19:05:00	BO	65° 15.60	N 29° 30.63	W	1528	1521	5.7 MSS fired at 1225 db
06/MSM12/1	586	1	120 CTD/ROS	07.06.09	19:59:00	EN	65° 15.60	N 29° 30.64	W	1528		
06/MSM12/1	587	1	121 CTD/ROS/LADCP	07.06.09	20:29:00	BE	65° 15.65	N 29° 30.86	W	1530		
06/MSM12/1	587	1	121 CTD/ROS/LADCP	07.06.09	21:02:00	BO	65° 15.65	N 29° 30.87	W	1525	1516	5.5
06/MSM12/1	587	1	121 CTD/ROS/LADCP	07.06.09	21:41:00	EN	65° 15.65	N 29° 30.88	W	1525		
06/MSM12/1	588	1	122 CTD/ROS/LADCP	07.06.09	22:09:00	BE	65° 18.8	N 29° 33.83	W	1413		
06/MSM12/1	588	1	122 CTD/ROS/LADCP	07.06.09	22:43:00	BO	65° 18.8	N 29° 33.83	W	1413	1403	4.8
06/MSM12/1	588	1	122 CTD/ROS/LADCP	07.06.09	23:20:00	EN	65° 18.8	N 29° 33.82	W	1413		
06/MSM12/1	589	1	123 MSS	07.06.09	23:50:00	BE	65° 21.88	N 29° 36.92	W	1242		
06/MSM12/1	589	1	123 MSS	07.06.09	00:18:00	BO	65° 21.88	N 29° 36.92	W	1238	1224	8 MSS fired at 840 db
06/MSM12/1	589	1	123 MSS	07.06.09	00:59:00	EN	65° 21.88	N 29° 36.93	W	1245		
06/MSM12/1	589	2	124 CTD/ROS/LADCP	08.06.09	01:19:00	BE	65° 21.89	N 29° 36.92	W	1239		
06/MSM12/1	589	2	124 CTD/ROS/LADCP	08.06.09	01:44:00	BO	65° 21.89	N 29° 36.93	W	1236	1224	7.8
06/MSM12/1	589	2	124 CTD/ROS/LADCP	08.06.09	02:09:00	EN	65° 21.88	N 29° 36.95	W	1237		
06/MSM12/1	589	3	125 CTD/ROS/LADCP	08.06.09	02:27:00	BE	65° 21.89	N 29° 36.94	W	1238		
06/MSM12/1	589	3	125 CTD/ROS/LADCP	08.06.09	02:53:00	BO	65° 21.88	N 29° 36.94	W	1237	1227	8
06/MSM12/1	589	3	125 CTD/ROS/LADCP	08.06.09	03:17:00	EN	65° 21.88	N 29° 36.95	W	1238		

06/MSM12/1	589	4	126 MSS	08.06.09	03:31:00	BE	65° 21.88	N 29° 36.95	W	1239		
06/MSM12/1	589	4	126 MSS	08.06.09	03:57:00	BO	65° 21.88	N 29° 36.95	W	1237	1233	4.8 MSS fired at 930 db
06/MSM12/1	589	4	126 MSS	08.06.09	04:42:00	EN	65° 21.73	N 29° 37.21	W	1241		
06/MSM12/1	590	1	127 CTD/ROS/LADCP	08.06.09	05:31:00	BE	65° 24.99	N 29° 39.97	W	1053		
06/MSM12/1	590	1	127 CTD/ROS/LADCP	08.06.09	05:53:00	BO	65° 24.88	N 29° 39.95	W	1061	1049	10.4
06/MSM12/1	590	1	127 CTD/ROS/LADCP	08.06.09	06:24:00	EN	65° 24.69	N 29° 39.74	W	1076		
06/MSM12/1	591	1	128 MSS	08.06.09	06:59:00	BE	65° 28.13	N 29° 43.13	W	840		
06/MSM12/1	591	1	128 MSS	08.06.09	07:20:00	BO	65° 27.84	N 29° 43.23	W	850	835	9 MSS fired at 530 db
06/MSM12/1	591	1	128 MSS	08.06.09	07:54:57	EN	65° 27.17	N 29° 43.77	W	882		
06/MSM12/1	592	1	129 CTD/ROS/LADCP	08.06.09	08:18:00	BE	65° 26.77	N 29° 43.47	W	917		
06/MSM12/1	592	1	129 CTD/ROS/LADCP	08.06.09	08:51:00	BO	65° 26.54	N 29° 43.42	W	932	917	13.3
06/MSM12/1	592	1	129 CTD/ROS/LADCP	08.06.09	09:17:00	EN	65° 26.06	N 29° 43.08	W	969		
06/MSM12/1	593	1	130 CTD/ROS/LADCP	08.06.09	10:16:09	BE	65° 31.26	N 29° 46.46	W	542		
06/MSM12/1	593	1	130 CTD/ROS/LADCP	08.06.09	10:33:00	BO	65° 31.15	N 29° 46.86	W	535	516	9.5
06/MSM12/1	593	1	130 CTD/ROS/LADCP	08.06.09	10:49:00	EN	65° 31.01	N 29° 47.52	W	528		
06/MSM12/1	594	1	131 CTD/ROS	08.06.09	11:17:00	BE	65° 34.48	N 29° 50.14	W	356		
06/MSM12/1	594	1	131 CTD/ROS	08.06.09	11:31:00	BO	65° 34.44	N 29° 50.53	W	357	342	7
06/MSM12/1	594	1	131 CTD/ROS	08.06.09	11:44:00	EN	65° 34.36	N 29° 50.98	W	354		
06/MSM12/1	595	1	132 CTD/ROS	08.06.09	12:13:00	BE	65° 37.17	N 29° 52.16	W	319		
06/MSM12/1	595	1	132 CTD/ROS	08.06.09	12:24:00	BO	65° 37.75	N 29° 52.26	W	325	312	7.5
06/MSM12/1	595	1	132 CTD/ROS	08.06.09	12:31:00	EN	65° 37.79	N 29° 52.38	W	327		
06/MSM12/1	596	1	133 CTD/ROS	08.06.09	13:11:00	BE	65° 43.77	N 29° 58.84	W	371		
06/MSM12/1	596	1	133 CTD/ROS	08.06.09	13:24:00	BO	65° 43.77	N 29° 58.84	W	371	353	6
06/MSM12/1	596	1	133 CTD/ROS	08.06.09	13:33:00	EN	65° 43.77	N 29° 58.84	W	371		
06/MSM12/1	597	1	134 CTD/ROS	08.06.09	14:13:00	BE	65° 42.00	N 30° 12.15	W	419		
06/MSM12/1	597	1	134 CTD/ROS	08.06.09	14:27:00	BO	65° 41.99	N 30° 12.17	W	416	400	5.5
06/MSM12/1	597	1	134 CTD/ROS	08.06.09	14:37:00	EN	65° 41.99	N 30° 12.28	W	416		
06/MSM12/1	598	1	135 CTD/ROS	08.06.09	15:13:00	BE	65° 40.17	N 30° 25.54	W	441		
06/MSM12/1	598	1	135 CTD/ROS	08.06.09	15:25:00	BO	65° 40.14	N 30° 25.56	W	434	417	5.4
06/MSM12/1	598	1	135 CTD/ROS	08.06.09	15:35:00	EN	65° 40.11	N 30° 25.62	W	434		
06/MSM12/1	599	1	136 CTD/ROS	08.06.09	16:17:55	BE	65° 38.37	N 30° 38.96	W	409		
06/MSM12/1	599	1	136 CTD/ROS	08.06.09	16:31:00	BO	65° 38.31	N 30° 39.15	W	414	392	6.6
06/MSM12/1	599	1	136 CTD/ROS	08.06.09	16:42:48	EN	65° 38.27	N 30° 39.22	W	410		
06/MSM12/1	600	1	137 CTD/ROS	08.06.09	17:07:00	BE	65° 37.50	N 30° 42.19	W	413		
06/MSM12/1	600	1	137 CTD/ROS	08.06.09	17:20:00	BO	65° 37.43	N 30° 42.33	W	413	392	6
06/MSM12/1	600	1	137 CTD/ROS	08.06.09	17:31:00	EN	65° 37.17	N 30° 42.33	W	418		
06/MSM12/1	601	1	138 CTD/ROS	08.06.09	19:22:00	BE	65° 43.80	N 29° 58.78	W	373		
06/MSM12/1	601	1	138 CTD/ROS	08.06.09	19:34:00	BO	65° 43.83	N 29° 58.77	W	373	360	6.3
06/MSM12/1	601	1	138 CTD/ROS	08.06.09	19:44:48	EN	65° 43.96	N 29° 58.73	W	370		
06/MSM12/1	602	1	139 CTD/ROS	08.06.09	0+G579:00	BE	65° 49.95	N 30° 04.91	W	390		
06/MSM12/1	602	1	139 CTD/ROS	08.06.09	20:41:00	BO	65° 49.95	N 30° 04.90	W	388	372	7
06/MSM12/1	602	1	139 CTD/ROS	08.06.09	20:53:00	EN	65° 50.00	N 30° 04.84	W	383		
06/MSM12/1	603	1	140 CTD/ROS	08.06.09	21:55:00	BE	65° 59.97	N 30° 14.95	W	424		
06/MSM12/1	603	1	140 CTD/ROS	08.06.09	22:08:00	BO	65° 59.97	N 30° 14.96	W	422	403	7
06/MSM12/1	603	1	140 CTD/ROS	08.06.09	22:21:00	EN	65° 59.97	N 30° 14.96	W	420		
06/MSM12/1	604	1	141 CTD/ROS	08.06.09	23:42:00	BE	66° 12.04	N 30° 09.39	W	401		
06/MSM12/1	604	1	141 CTD/ROS	08.06.09	0:03:00	BO	66° 12.04	N 30° 09.39	W	400	384	4.9
06/MSM12/1	604	1	141 CTD/ROS	08.06.09	0:13:00	EN	66° 12.04	N 30° 09.39	W	401		
06/MSM12/1	605	1	142 CTD/ROS	09.06.09	1:14:00	BE	66° 20.09	N 30° 10.96	W	409		
06/MSM12/1	605	1	142 CTD/ROS	09.06.09	1:27:00	BO	66° 20.09	N 30° 10.97	W	408	385	5.6
06/MSM12/1	605	1	142 CTD/ROS	09.06.09	1:36:00	EN	66° 20.10	N 30° 10.96	W	405		
06/MSM12/1	606	1	143 CTD/ROS	09.06.09	5:31:00	BE	66° 29.98	N 29° 04.50	W	337		
06/MSM12/1	606	1	143 CTD/ROS	09.06.09	5:42:00	BO	66° 29.98	N 29° 04.50	W	339	316	8.1
06/MSM12/1	606	1	143 CTD/ROS	09.06.09	5:54:00	EN	66° 29.98	N 29° 04.50	W	336		
06/MSM12/1	607	1	144 CTD/ROS	09.06.09	7:36:00	BE	66° 40.03	N 28° 44.89	W	338		
06/MSM12/1	607	1	144 CTD/ROS	09.06.09	7:50:00	BO	66° 40.03	N 28° 44.88	W	341	316	9
06/MSM12/1	607	1	144 CTD/ROS	09.06.09	8:01:00	EN	66° 40.03	N 28° 44.88	W	342		
06/MSM12/1	608	1	145 CTD/ROS	09.06.09	9:39:00	BE	66° 50.00	N 29° 02.47	W	602		
06/MSM12/1	608	1	145 CTD/ROS	09.06.09	9:51:00	BO	66° 50.00	N 29° 02.47	W	599	286	8.2
06/MSM12/1	608	1	145 CTD/ROS	09.06.09	10:05:00	EN	66° 50.00	N 29° 02.47	W			
06/MSM12/1	609	1	146 CTD/ROS	09.06.09	12:28:00	BE	66° 54.71	N 29° 06.69	W	302		
06/MSM12/1	609	1	146 CTD/ROS	09.06.09	12:37:00	BO	66° 54.69	N 29° 06.73	W	305	279	9
06/MSM12/1	609	1	146 CTD/ROS	09.06.09	12:45:00	EN	66° 54.69	N 29° 06.73	W	302		
06/MSM12/1	610	1	147 CTD/ROS	10.06.09	6:43:00	BE	64° 34.98	N 30° 14.99	W	2358		
06/MSM12/1	610	1	147 CTD/ROS	10.06.09	7:29:00	BO	64° 34.98	N 30° 14.99	W	2359	2359	9.4 MSS fired at 1998 db
06/MSM12/1	610	1	147 CTD/ROS	10.06.09	8:33:00	EN	64° 34.97	N 30° 14.98	W	2359		
06/MSM12/1	611	1	148 CTD/ROS/LADCP	10.06.09	9:32:00	BE	64° 39.99	N 30° 19.94	W	2279		
06/MSM12/1	611	1	148 CTD/ROS/LADCP	10.06.09	10:15:00	BO	64° 39.99	N 30° 19.94	W	2279	2281	5
06/MSM12/1	611	1	148 CTD/ROS/LADCP	10.06.09	11:01:00	EN	64° 39.99	N 30° 19.94	W	2278		
06/MSM12/1	612	1	149 CTD/ROS/LADCP	10.06.09	11:43:00	BE	64° 44.99	N 30° 24.90	W	2239		
06/MSM12/1	612	1	149 CTD/ROS/LADCP	10.06.09	12:28:00	BO	64° 44.96	N 30° 24.54	W	2200	2234	5.3
06/MSM12/1	612	1	149 CTD/ROS/LADCP	10.06.09	13:10:00	EN	64° 44.93	N 30° 24.06	W	2233		
06/MSM12/1	613	1	150 CTD/ROS/LADCP	10.06.09	13:38:00	BE	64° 47.99	N 30° 28.03	W	2193		
06/MSM12/1	613	1	150 CTD/ROS/LADCP	10.06.09	14:20:00	BO	64° 47.99	N 30° 28.02	W	2193	2186	10
06/MSM12/1	613	1	150 CTD/ROS/LADCP	10.06.09	15:02:00	EN	64° 47.99	N 30° 28.03	W	2193		
06/MSM12/1	614	1	151 CTD/ROS/LADCP	10.06.09	15:34:00	BE	64° 51.00	N 30° 30.93	W	2126		
06/MSM12/1	614	1	151 CTD/ROS/LADCP	10.06.09	16:14:00	BO	64° 50.79	N 30° 30.95	W	2133	2120	9
06/MSM12/1	614	1	151 CTD/ROS/LADCP	10.06.09	17:00:00	EN	64° 50.57	N 30° 30.95	W	2135		
06/MSM12/1	615	1	152 CTD/ROS/LADCP	10.06.09	17:32:25	BE	64° 53.97	N 30° 34.04	W	2064		
06/MSM12/1	615	1	152 CTD/ROS/LADCP	10.06.09	18:13:00	BO	64° 53.80	N 30° 34.05	W	2069	2064	6.2 MSS fired at 1744 db
06/MSM12/1	615	1	152 CTD/ROS/LADCP	10.06.09	19:18:00	EN	64° 53.48	N 30° 34.08	W	2078		
06/MSM12/1	616	1	153 CTD/ROS/LADCP	10.06.09	20:07:00	BE	64° 60.00	N 30° 36.95	W	1981		
06/MSM12/1	616	1	153 CTD/ROS/LADCP	10.06.09		BO	N		W			Winch failed at 303 m on descent
06/MSM12/1	616	1	153 CTD/ROS/LADCP	10.06.09	20:36:00	EN	64° 57.00	N 30° 36.96	W	1979		
06/MSM12/1	616	2	154 CTD/ROS/LADCP	10.06.09	21:10:00	BE	64° 57.00	N 30° 36.97	W	1981		
06/MSM12/1	616	2	154 CTD/ROS/LADCP	10.06.09	21:48:00	BO	64° 57.00	N 30° 36.96	W	1983	1972	8
06/MSM12/1	616	2	154 CTD/ROS/LADCP	10.06.09	22:30:00	EN	64° 57.00	N 30° 36.96	W	1981		
06/MSM12/1	617	1	155 CTD/ROS/LADCP	10.06.09	23:00:00	BE	65° 00.00	N 30° 39.98	W	1901		
06/MSM12/1	617	1	155 CTD/ROS/LADCP	10.06.09	23:40:00	BO	65° 00.00	N 30° 39.98	W	1901	1890	6
06/MSM12/1	617	1	155 CTD/ROS/LADCP	10.06.09	0:20:00	EN	65° 00.00	N 30° 39.99	W	1901		

06/MSM12/1	618	1	156 CTD/ROS/LADCP	11.06.09	0:58:00	BE	65° 03.00	N 30° 42.96	W	1819		
06/MSM12/1	618	1	156 CTD/ROS/LADCP	11.06.09	1:36:00	BO	65° 03.00	N 30° 42.97	W	1820	1814	1.7
06/MSM12/1	618	1	156 CTD/ROS/LADCP	11.06.09	2:12:00	EN	65° 03.00	N 30° 42.96	W	1819		
06/MSM12/1	619	1	157 CTD/ROS/LADCP	11.06.09	2:40:00	BE	65° 06.02	N 30° 46.03	W	1722		
06/MSM12/1	619	1	157 CTD/ROS/LADCP	11.06.09	3:12:00	BO	65° 06.02	N 30° 46.03	W	1723	1710	4.7
06/MSM12/1	619	1	157 CTD/ROS/LADCP	11.06.09	3:44:00	EN	65° 06.02	N 30° 46.03	W	1722		
06/MSM12/1	620	1	158 CTD/ROS/LADCP	11.06.09	4:13:00	BE	65° 09.02	N 30° 49.01	W	1556		
06/MSM12/1	620	1	158 CTD/ROS/LADCP	11.06.09	4:46:00	BO	65° 09.02	N 30° 49.01	W	1556	1540	7 MSS cast failed (not released)
06/MSM12/1	620	1	158 CTD/ROS/LADCP	11.06.09	5:36:00	EN	65° 09.02	N 30° 49.01	W	1556		
06/MSM12/1	621	1	159 CTD/ROS/LADCP	11.06.09	6:31:00	BE	65° 11.98	N 30° 51.99	W	1416		
06/MSM12/1	621	1	159 CTD/ROS/LADCP	11.06.09	7:02:00	BO	65° 11.98	N 30° 51.99	W	1416	1400	7
06/MSM12/1	621	1	159 CTD/ROS/LADCP	11.06.09	7:32:00	EN	65° 11.98	N 30° 51.99	W			
06/MSM12/1	622	1	160 CTD/ROS/LADCP	11.06.09	8:00:00	BE	65° 14.99	N 30° 55.00	W	1250		
06/MSM12/1	622	1	160 CTD/ROS/LADCP	11.06.09	8:27:00	BO	65° 14.99	N 30° 55.00	W	1250	1237	6
06/MSM12/1	622	1	160 CTD/ROS/LADCP	11.06.09	9:13:00	EN	65° 14.99	N 30° 55.03	W	1251		
06/MSM12/1	623	1	161 CTD/ROS/LADCP	11.06.09	9:58:00	BE	65° 17.98	N 30° 57.95	W	1101		
06/MSM12/1	623	1	161 CTD/ROS/LADCP	11.06.09	10:23:00	BO	65° 17.98	N 30° 57.95	W	1103	1082	9
06/MSM12/1	623	1	161 CTD/ROS/LADCP	11.06.09	10:45:00	EN	65° 17.98	N 30° 57.95	W	1101		
06/MSM12/1	624	1	162 CTD/ROS/LADCP	11.06.09	11:25:00	BE	65° 20.96	N 31° 00.88	W	934		
06/MSM12/1	624	1	162 CTD/ROS/LADCP	11.06.09	11:47:00	BO	65° 20.96	N 31° 00.88	W	937	917	8 MSS fired at 640 db
06/MSM12/1	624	1	162 CTD/ROS/LADCP	11.06.09	12:23:00	EN	65° 20.95	N 31° 00.88	W	935		
06/MSM12/1	625	1	163 CTD/ROS/LADCP	11.06.09	13:48:00	BE	65° 24.68	N 31° 11.12	W	729		
06/MSM12/1	625	1	163 CTD/ROS/LADCP	11.06.09	14:08:00	BO	65° 24.01	N 31° 11.35	W	735	716	7.3
06/MSM12/1	625	1	163 CTD/ROS/LADCP	11.06.09	14:24:00	EN	65° 24.58	N 31° 11.50	W	745		
06/MSM12/1	626	1	164 CTD/ROS/LADCP	11.06.09	15:15:00	BE	65° 27.23	N 31° 15.73	W	581		
06/MSM12/1	626	1	164 CTD/ROS/LADCP	11.06.09	15:30:00	BO	65° 27.11	N 31° 15.80	W	594	575	6.8
06/MSM12/1	626	1	164 CTD/ROS/LADCP	11.06.09	15:43:00	EN	65° 27.00	N 31° 16.14	W	609		
06/MSM12/1	627	1	165 CTD/ROS	11.06.09	16:38:38	BE	65° 29.70	N 31° 23.33	W	405		
06/MSM12/1	627	1	165 CTD/ROS	11.06.09	16:55:00	BO	65° 29.53	N 31° 23.89	W	438	425	8.5
06/MSM12/1	627	1	165 CTD/ROS	11.06.09	17:07:00	EN	65° 29.38	N 31° 24.32	W	468		
06/MSM12/1	628	1	166 CTD/ROS/LADCP	11.06.09	21:52:00	BE	64° 47.99	N 30° 27.90	W	2195		
06/MSM12/1	628	1	166 CTD/ROS/LADCP	11.06.09	22:36:00	BO	64° 47.77	N 30° 27.43	W	2202	2196	5 Microcats calibration
06/MSM12/1	628	1	166 CTD/ROS/LADCP	11.06.09	23:54:00	EN	64° 47.44	N 30° 26.74	W	2204		
06/MSM12/1	629	1	167 CTD/ROS/LADCP	12.06.09	2:41:00	BE	65° 18.00	N 30° 41.02	W	1073		
06/MSM12/1	629	1	167 CTD/ROS/LADCP	12.06.09	3:04:00	BO	65° 18.00	N 30° 41.01	W	1075	1062	6 MSS fired at 710 db
06/MSM12/1	629	1	167 CTD/ROS/LADCP	12.06.09	3:42:00	EN	65° 18.00	N 30° 41.02	W	1075		
06/MSM12/1	630	1	168 CTD/ROS/LADCP	12.06.09	4:48:00	BE	65° 19.99	N 30° 26.06	W	984		
06/MSM12/1	630	1	168 CTD/ROS/LADCP	12.06.09	5:11:00	BO	65° 19.99	N 30° 26.06	W	986	970	10
06/MSM12/1	630	1	168 CTD/ROS/LADCP	12.06.09	5:33:00	EN	65° 19.99	N 30° 26.06	W	985		
06/MSM12/1	631	1	169 CTD/ROS/LADCP	12.06.09	6:28:00	BE	65° 22.01	N 30° 12.04	W	931		
06/MSM12/1	631	1	169 CTD/ROS/LADCP	12.06.09	6:50:00	BO	65° 22.02	N 30° 12.21	W	930	916	7
06/MSM12/1	631	1	169 CTD/ROS/LADCP	12.06.09	7:12:00	EN	65° 22.02	N 30° 12.64	W	929		
06/MSM12/1	632	1	170 CTD/ROS/LADCP	12.06.09	8:00:00	BE	65° 25.01	N 29° 58.05	W	877		
06/MSM12/1	632	1	170 CTD/ROS/LADCP	12.06.09	8:20:00	BO	65° 25.03	N 29° 58.45	W	870	855	10 MSS fired at 502 db
06/MSM12/1	632	1	170 CTD/ROS/LADCP	12.06.09	8:58:00	EN	65° 24.89	N 29° 59.45	W	875		
06/MSM12/1	633	1	171 CTD/ROS/LADCP	12.06.09	10:21:00	BE	65° 26.47	N 29° 44.36	W	929		
06/MSM12/1	633	1	171 CTD/ROS/LADCP	12.06.09	10:41:00	BO	65° 26.42	N 29° 44.53	W	932	917	7.8
06/MSM12/1	633	1	171 CTD/ROS/LADCP	12.06.09	11:02:00	EN	65° 26.33	N 29° 44.82	W	927		
06/MSM12/1	634	1	172 CTD/ROS/LADCP	12.06.09	11:56:00	BE	65° 31.00	N 29° 32.02	W	849		
06/MSM12/1	634	1	172 CTD/ROS/LADCP	12.06.09	12:15:00	BO	65° 30.94	N 29° 32.43	W	849	842	1.2
06/MSM12/1	634	1	172 CTD/ROS/LADCP	12.06.09	12:31:00	EN	65° 30.80	N 29° 33.07	W	851		
06/MSM12/1	635	1	173 CTD/ROS/LADCP	12.06.09	13:21:00	BE	65° 35.98	N 29° 24.01	W	729		
06/MSM12/1	635	1	173 CTD/ROS/LADCP	12.06.09	13:40:00	BO	65° 35.74	N 29° 24.32	W	734	718	10 MSS fired at 360 db
06/MSM12/1	635	1	173 CTD/ROS/LADCP	12.06.09	14:13:00	EN	65° 35.18	N 29° 25.24	W	748		
06/MSM12/1	636	1	174 CTD/ROS/LADCP	12.06.09	15:44:00	BE	65° 39.01	N 29° 11.30	W	845		
06/MSM12/1	636	1	174 CTD/ROS/LADCP	12.06.09	16:03:00	BO	65° 38.86	N 29° 11.48	W	836	836	1.5
06/MSM12/1	636	1	174 CTD/ROS/LADCP	12.06.09	16:22:00	EN	65° 38.56	N 29° 11.79	W	849		
06/MSM12/1	637	1	175 CTD/ROS/LADCP	12.06.09	18:16:00	BE	65° 44.01	N 29° 00.01	W	790		
06/MSM12/1	637	1	175 CTD/ROS/LADCP	12.06.09	18:36:00	BO	65° 44.08	N 29° 00.18	W	785	768	8 MSS fired at 460 db
06/MSM12/1	637	1	175 CTD/ROS/LADCP	12.06.09	19:10:09	EN	65° 44.20	N 29° 00.77	W	774		
06/MSM12/1	638	1	ADCP Profil	12.06.09	22:59:00	BE	66° 24.00	N 28° 20.01	W	340		Kurs 122°
06/MSM12/1	638	1	ADCP Profil	13.06.09	5:33:00		65° 58.94	N 26° 39.75	W	292		Kursänderung Kurs 302°
06/MSM12/1	638	1	ADCP Profil	13.06.09	12:29:00		66° 24.15	N 28° 20.70	W	340		Kursänderung Kurs 122°
06/MSM12/1	638	1	ADCP Profil	13.06.09	17:07:00	EN	65° 59.17	N 26° 40.67	W	122		Profilende