

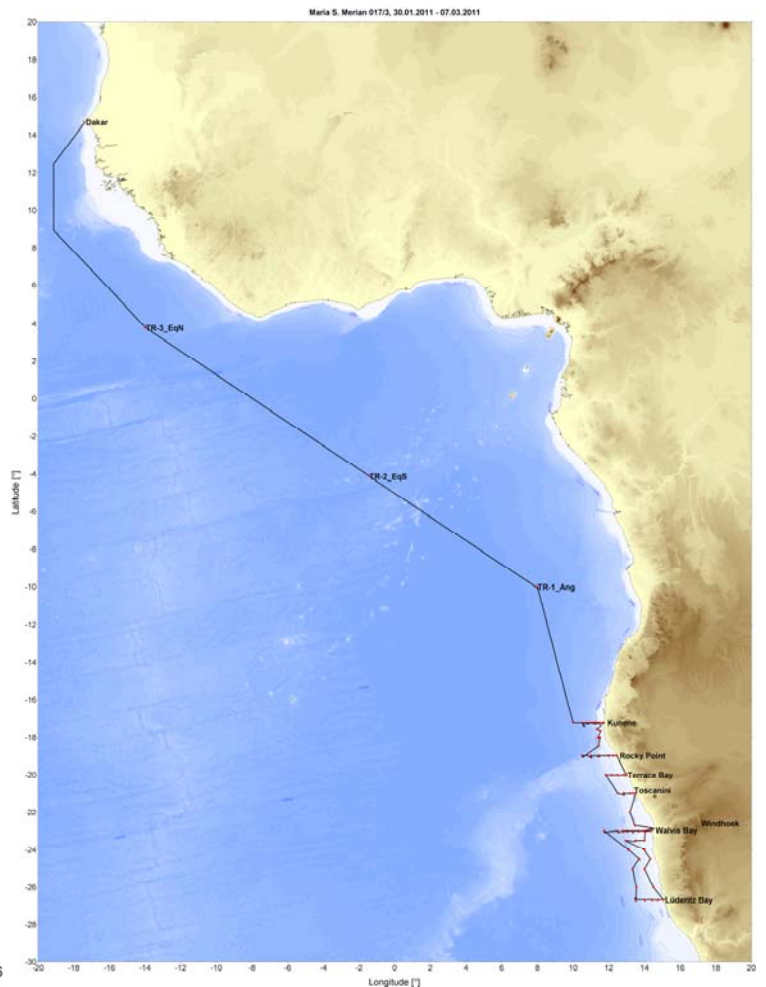
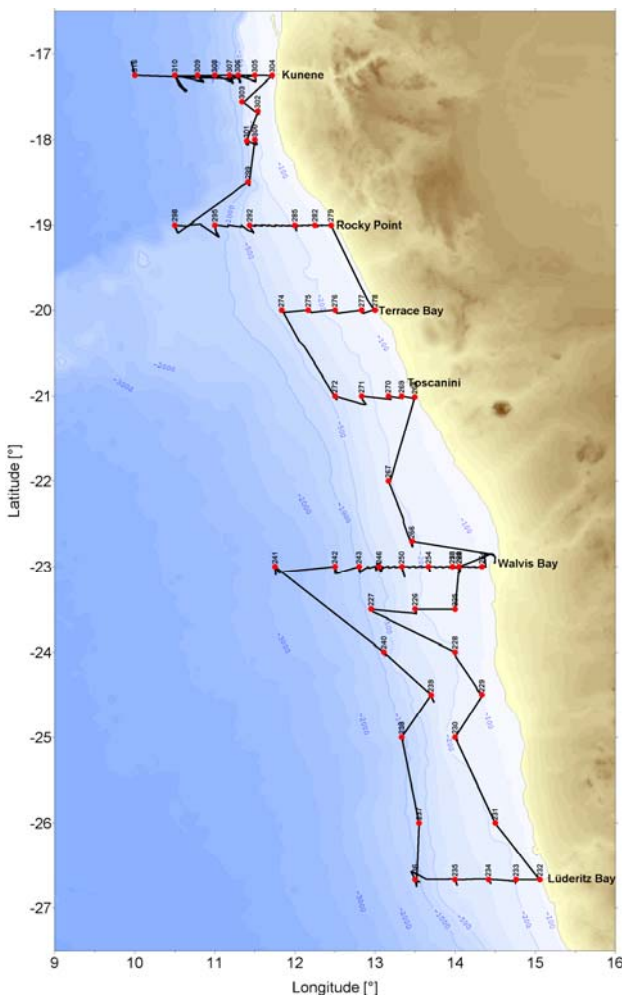
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Short Cruise Report
MARIA S. MERIAN MSM 17/3
Project: GENUS
Walvis Bay - (Walvis Bay) - Dakar
30.01.2011 - 07.03.2011

Chief Scientist: Niko Lahajnar
Captain: Ralf Schmidt



Objectives

Coastal upwelling systems react directly to changes in external (climatic) forcing, and observed changes at lower trophic levels of upwelling ecosystems primarily reflect changes in this external physical forcing. In the Benguela Current coastal upwelling system off Namibia, the supply of oxygen to the shelf environment is directly coupled to hydrodynamic conditions, and fluctuating oxygen levels over the shelf have significant consequences for nutrient levels and nutrient ratios, for rates of exchange at the sediment-water interface, for gas exchange between the ocean and the atmosphere, and for biological production and therefore for the entire ecosystem. Work of expedition MARIAN S. MERIAN 17/3 in the coastal upwelling area off Namibia, funded by the BMBF and carried out within the project GENUS (**G**eochemistry and **E**cology of the **N**amibian **U**pwelling **S**ystem) was dedicated to clarify which physical processes drive the oxygen dynamics on the shelf, and what consequences arise from variations of the physical processes for biogeochemical cycles and the entire biological production and its food-web structure. The targeted working area included the weak upwelling cell offshore Walvis Bay, the Rocky Point / Kunene cell in the north and the very stable upwelling cell off Lüderitz in the south. We performed a combined oceanographic, biogeochemical, biological, and sediment sampling programme on a total of 6 transects perpendicular to the coast, which were connected with several stations between each transect. In addition, during transit time, we employed a lowered ADCP for measurements of currents and a ferrybox-system for en-route determinations of Temperature and Salinity as well as nutrient concentrations plus pCO₂ of the atmosphere and ocean surface. Station work comprised sampling in water depths between 30 and 3900 m in the working area and at three additional open-ocean stations during the transit to Dakar (Senegal) in water between 4600 and 4800 m depth.

Cruise Narrative

On January 29 2011, 21 scientists from Germany and Namibia and one observer from the Namibian Ministry of Mines and Energy boarded RV MARIA S. MERIAN for cruise MSM 17/3. For this cruise six 20' containers with scientific equipment had been sent to the harbour of embarkation in Walvis Bay, Namibia. All containers were already supplied on Jan 27 so that the cruise preparation could start as early as possible for the upcoming cruise. In addition, three airfreight cargos from Germany and Mindelo (RV METEOR), respectively, were also delivered on Jan 28.

With this successfully planned and performed cruise organisation RV MERIAN casted off from the port of Walvis Bay on Jan 30 at 08:15 local time. The first destination was a long-term mooring station on the so-called Walvis Bay transect at 23°S in approx. 130 m water depth. The ship reached this first station in the early afternoon on the same day where the mooring with oceanographic sensors as well as a sediment trap were recovered. All sensors and the sediment trap had been working according to their schedules. After their successful recovery the station was sampled using a variety of different gear such as CTD, multicorer and several types of nets (e.g., plankton net, MOCNESS, Multi-net, and Tucker Trawl). Sampling with all these gears and nets subsequently became the standard programme for the entire cruise. Later on a short-term mooring with oceanographic sensors was deployed a few miles to the west of the long-term station; it was intended to recover this mooring before

the intermediate harbour call at Walvis Bay for crew exchange. In addition to the fixed moorings a free-floating drift-system was deployed, which was equipped with oceanographic sensors as well as a sediment trap in order to sample the evolution of a specific water mass. In the morning of Jan 31 the long-term mooring recovered during the previous day was redeployed at the initial mooring station and is intended to be recovered with the local RV WELWITSCHIA in cooperation with the NatMIRC Institute in Swakopmund, Namibia.

After this successful start RV MERIAN headed south. Several stations were sampled on the short transit to 26°40'S (the Lüderitz line), which was reached on Feb 02 at noon. The Lüderitz cell is a very stable upwelling region and represents the boundary between the southern and northern Benguela system. The Lüderitz transect was sampled to a depth of 1120 m. Then the ship headed north again at the outer continental margin. The outermost station (3000 m water depth) of the Walvis Bay transect was reached on Feb 05. We then returned stepwise back to the inner shelf; in particular a very detailed physical oceanographic study with a microstructure probe was performed on a grid of 5 nautical miles. At 23°00.0'S 13°03.35'E attempts were made to locate a lost mooring, which should have been retrieved during DISCOVERY Cruise D356 in Sep 2010. However, it proved that the mooring - if still present - could not be detected using any of the ship's acoustic systems. MERIAN arrived at the final station close to Pelican Point in the evening of Feb 09.

On Feb 10 a short port call in Walvis Bay was used to exchange local and German participants. Especially the ROV group from Hamburg University boarded the ship for the second leg. MERIAN went alongside at 09:00 local time. Exactly six hours later, at 15:00 sharp, MERIAN left Walvis Bay and headed to the northern part of our study area. Our first task was to find and recover the drift-system, which had moved about 34 nautical miles to the north-west from the initial deployment position. In the evening of Feb 10 the drifter was spotted at the expected position and was recovered two hours later at about 22:00 ship time. During the following days three additional transects were sampled according to our cruise plan: Toscanini at 21°S, Terrace Bay at 20°S and Rocky Point at 19°S. On Feb 12 a first test station for the ROV was successfully conducted. Then on Feb 14 the ROV was included in the regular station work and provided us with valuable visual impressions of the local water column and ocean floor conditions. The final transect in the Namibian upwelling system was located at the nautical border with Angola off the Kunene river mouth at 17°15'S. There was clear evidence of a shift of water masses during this year's austral summer as sampling at all stations on this transect was conducted in tropical Southern Atlantic Central Water from the Angola Dome region. Altogether eight stations in water depths ranging between 30 and 3920 m were studied on this transect, including three ROV deployments. On Feb 24 at 09:45 MERIAN left the study area of the GENUS project and started her transit to Dakar. On this transit three open-water stations were scheduled in order to sample the adjacent water masses of the southern Atlantic region: (1) Centre of the Angola Dome at 10°00'S 08°00'E, approx. 4800 m water depth, which is also relevant for the Namibian upwelling region because of the poleward undercurrent; (2) Equatorial South Station at 04°09'S 01°23'W, approx. 4600 m and (3) Equatorial North Station at 03°47'N 13°58'W, approx. 4700 m water depth.

MARIA S. MERIAN then headed towards the port of disembarkation in Dakar, Senegal and went alongside on March 07 at 10:00 local time. The majority of the participants left the ship the same evening, while the remaining stayed onboard until March 08 lunch time.

Total Number of Stations: 97 (MSM #222 - #319)

Total Number of Gears deployed/used: 569

Total Net Station Work [days:hrs:min]: 13:16:28

Instrument	Numbers used	Total Station Time [hours]
CTD/Rosette	79	42:15
Secchi Disk	10	0:39
Phytoplankton Net	26	1:56
Mooring Work (long-term)	2	2:06
Mooring Work (short-term)	2	0:50
Apstein Net	30	3:36
MOCNESS single	39	37:56
MOCNESS double	31	56:08
Drifter (Deployment/Recovery)	2	1:23
Tucker Trawl	40	8:13
Multinet	91	48:30
Multicorer	80	42:41
Microstructure Probe (MSS)	72	55:50
Parasound (Mooring Search)	1	0:10
EM-120 (Mooring Search)	1	3:34
Drift Net	32	3:58
ROV	8	17:23
Ring-Trawl	16	2:05
Total	569	328:28

Name	Working Group	Affiliation	Participation
Lahajnar, Niko	Chief Scientist	IfBM	17/3 a+b
Ankele, Markus	Biogeochemistry/Ferry Box	HZG	17/3 a+b
Annighöfer, Meike	Biogeochemistry/Filtration	IfBM	17/3 b
Bode, Maya	Marine Zoology	MarZoo	17/3 a
Bohata, Karolina	ROV/Multinet/MOCNESS	IHF	17/3 b
Buchholz, Friedrich	Krill/MOCNESS	AWI	17/3 a+b
Eckhardt, André	ROV	IHF	17/3 b
Ekau, Werner	Ichthyoplankton	ZMT	17/3 a
Flohr, Anita	Water Biogeochemistry	ZMT	17/3 a+b
Geist, Simon	Ichthyoplankton	ZMT	17/3 b
Gumbo, Allie	Ichthyoplankton	NatMIRC	17/3 a
Hansen, Anja	Phytoplankton	IOW	17/3 a
Heene, Toralf	CTD/Moorings/MSS	IOW	17/3 a+b
Hünerlage, Lara Kim	Krill/MOCNESS	AWI	17/3 a+b
Jung, Alexa Sarina	Mesoplankton/MOCNESS	IHF	17/3 a
Koppelman, Rolf	ROV/MOCNESS	IHF	17/3 b
Kullmann, Björn	Mesoplankton/MOCNESS	IHF	17/3 a
Kutter, Juliane	Marine Zoology	MarZoo	17/3 b
Langenberg, Frauke	Biogeochemistry/Filtration	IfBM	17/3 a
Martin, Bettina	ROV/Multinet/MOCNESS	IHF	17/3 a+b
Mohrholz, Volker	CTD/Moorings/MSS	IOW	17/3 a+b
Muller, Annethea	CTD/Moorings/MSS	IOW	17/3 a+b
Neumann, Andreas	Sediment Biogeochemistry	IfBM	17/3 a+b
Schukat, Anna	Marine Zoology	MarZoo	17/3 a+b
Steigüber, Claas	Water Biogeochemistry	ZMT	17/3 a+b
Teuber, Lena	Marine Zoology	MarZoo	17/3 b
Verheye, Hans	Zooplankton/Ichthyoplankton	DEA	17/3 b
von Waldthausen, Constanze	Ichthyoplankton	ZMT	17/3 b
Wencke, Petra	Marine Zoology	MarZoo	17/3 a
Werner, Thorsten	Krill/MOCNESS	AWI	17/3 a
Kandjii, Isabella	Observer Namibia	Min M&E	17/3 a+b

Leg 17/3 a: Walvis Bay - Walvis Bay (30.01.-10.02.11)

Leg 17/3 b: Walvis Bay - Dakar (10.02.-07.03.11)

Institutions:

AWI	Alfred-Wegener-Institut für Polar- und Meeresforschung, Am Handelshafen 12, D-27570 Bremerhaven, Germany
DEA	Department of Environmental Affairs, Branch: Oceans and Coasts, Private Bag X2, Rogge Bay, 8012, Cape Town, South Africa
HZG	Helmholtz Zentrum Geesthacht, Institut für Material und Küstenforschung, Max-Planck-Straße 1, D-21502 Geesthacht, Germany
IfBM	Institut für Biogeochemie und Meereschemie, Universität Hamburg, Bundesstraße 55, D-20146 Hamburg, Germany
IHF	Institut für Hydrobiologie und Fischereiwissenschaft, Universität Hamburg, Große Elbstraße 133, D-22767 Hamburg, Germany
IOW	Leibniz-Institut für Ostseeforschung Warnemünde, Seestraße 15, D-18199 Rostock-Warnemünde, Germany
MarZoo	Marine Zoologie, FB-02, Universität Bremen, Leobener Straße, D-28359 Bremen, Germany
Min M&E	Namibian Ministry of Mines & Energy, Private Bag 13297, 1 Aviation Road, Windhoek, Namibia
NatMIRC	National Marine Information and Research Centre Strand Street, Swakopmund, Namibia
ZMT	Leibniz-Zentrum für Marine Tropenökologie Bremen, Fahrenheitstraße 6, D-28359 Bremen, Germany

Acknowledgement

We would like to thank Captain Ralf Schmidt, his officers and the crew of R/V MARIA S. MERIAN for their outstanding support, the provision of a highly professional working environment and their significant contribution to the success of this cruise. All of us enjoyed the friendly, flexible and family-like atmosphere aboard during all stages of the cruise. We are indebted to the Namibian Ministry of Foreign Affairs and Ministry of Mines and Energy for their support and we would like to acknowledge the contribution of the German Ministry of Foreign Affairs (Wolfgang Mahrle and Elke Eggers) as well. We would also like to express our gratitude to the Leitstelle METEOR/MERIAN for its valuable support. The ship time of R/V MARIA S. MERIAN was provided by the Deutsche Forschungsgemeinschaft and was supported by the GENUS programme of the Federal Ministry of Education and Research.

Abbreviations:

CTD/RO:	CTD/Rosette
SD:	Secchi-Disk
PLA:	Plankton-Net
MOR:	Mooring (long-term)
APSN:	Apstein-Net
MOC-D:	Double MOCNESS
MORST:	Mooring (short-term)
TD:	Drifter
TT:	Tucker Trawl
MN:	Multinet
MUC:	Multicorer
MOCN:	Sinlge MOCNESS
MSS:	Microstructure Probe
PAR-IOW:	Parasound (used for IOW mooring search)
EM-120:	12 KHz Sounder (used for IOW mooring search)
ROV:	Remotely Operated Vehicle
D-NET:	Drift-Net
RT :	Ring-Trawl

Station#	Station#	Date	Time	Position	Position	Depth	Wind	Gear	Comment
Merian	GENUS		[UTC]	Lat	Lon	[m]	[m/s]	Abbreviation	
MSM17/222-1	T8-4	30.01.2011	10:46	23° 0,03' S	14° 2,95' E	133.5	SSW 4	CTD/RO	SL max 126m
MSM17/222-2	T8-4	30.01.2011	11:02	22° 59,98' S	14° 3,00' E	134.0	SSW 4	SD	
MSM17/222-3	T8-4	30.01.2011	11:06	23° 0,00' S	14° 3,02' E	133.2	SSW 4	PLA	
MSM17/222-4	T8-4	30.01.2011	11:20	22° 59,99' S	14° 2,99' E	134.0	SSW 5	MOR	
MSM17/222-4	T8-4	30.01.2011	11:23	22° 59,98' S	14° 3,00' E	133.9	SSW 5	MOR	
MSM17/222-4	T8-4	30.01.2011	11:29	22° 59,95' S	14° 3,01' E	135.4	SSW 5	MOR	
MSM17/222-4	T8-4	30.01.2011	11:30	22° 59,95' S	14° 3,01' E	133.2	SSW 4	MOR	
MSM17/222-4	T8-4	30.01.2011	11:36	22° 59,70' S	14° 3,11' E	134.5	SSW 5	MOR	
MSM17/222-4	T8-4	30.01.2011	11:38	22° 59,67' S	14° 3,11' E	131.2	SSW 5	MOR	
MSM17/222-4	T8-4	30.01.2011	11:39	22° 59,66' S	14° 3,11' E	134.7	SSW 5	MOR	
MSM17/222-4	T8-4	30.01.2011	11:50	22° 59,66' S	14° 3,08' E	134.1	SSW 5	MOR	
MSM17/222-4	T8-4	30.01.2011	12:07	22° 59,91' S	14° 3,01' E	134.2	SSW 5	MOR	Kopfboje an Deck
MSM17/222-4	T8-4	30.01.2011	12:08	22° 59,92' S	14° 3,00' E	134.3	SSW 5	MOR	4 Benthoskugeln a/D
MSM17/222-4	T8-4	30.01.2011	12:15	22° 59,98' S	14° 3,01' E	134.4	SW 6	MOR	Microcat a/D
MSM17/222-4	T8-4	30.01.2011	12:16	22° 59,99' S	14° 3,00' E	133.4	SSW 6	MOR	Microcat a/D
MSM17/222-4	T8-4	30.01.2011	12:18	23° 0,00' S	14° 2,99' E	132.4	SSW 6	MOR	Benthoskugeln a/D
MSM17/222-4	T8-4	30.01.2011	12:21	23° 0,02' S	14° 2,96' E	133.0	SW 6	MOR	Seacat a/D
MSM17/222-4	T8-4	30.01.2011	12:23	23° 0,03' S	14° 2,96' E	133.6	SW 6	MOR	2 Benthoskugeln a/D
MSM17/222-4	T8-4	30.01.2011	12:23	23° 0,03' S	14° 2,96' E	133.6	SW 6	MOR	Seacat a/D
MSM17/222-4	T8-4	30.01.2011	12:25	23° 0,03' S	14° 2,96' E	133.8	SSW 6	MOR	Workhorse a/D
MSM17/222-4	T8-4	30.01.2011	12:28	23° 0,05' S	14° 2,96' E	133.8	SSW 5	MOR	Workhorse a/D
MSM17/222-4	T8-4	30.01.2011	12:30	23° 0,06' S	14° 2,95' E	133.2	SSW 6	MOR	Seacat a/D
MSM17/222-4	T8-4	30.01.2011	12:30	23° 0,06' S	14° 2,95' E	133.2	SSW 6	MOR	Releaser a/D
MSM17/222-4	T8-4	30.01.2011	12:38	23° 0,07' S	14° 2,92' E	133.4	SSW 6	MOR	Releaser a/D
MSM17/222-4	T8-4	30.01.2011	12:38	23° 0,07' S	14° 2,92' E	133.4	SSW 6	MOR	Benthoskugel mit Fallschirm a/D
MSM17/222-4	T8-4	30.01.2011	12:39	23° 0,07' S	14° 2,92' E	134.2	SSW 6	MOR	Sinkstoffalle a/D
MSM17/222-4	T8-4	30.01.2011	12:59	23° 0,01' S	14° 3,00' E	131.4	SSW 6	MOR	2 Benthoskugeln mit Kopfboje a/D
MSM17/222-5	T8-4	30.01.2011	13:27	23° 0,00' S	14° 3,00' E	133.5	SSW 7	APSN	
MSM17/222-6	T8-4	30.01.2011	14:18	23° 0,44' S	14° 2,72' E	134.5	SSW 8	MOC-D	SL max. 148m, Abbruch wg. tech. Probleme
MSM17/223-1	T8-4a	30.01.2011	15:31	22° 59,95' S	13° 58,02' E	140.4	SSW 10	CTD/RO	SL max. 134m
MSM17/223-2	T8-4a	30.01.2011	16:11	23° 0,04' S	13° 57,99' E	145.2	S 11	MOORST	Kopfboje zu Wasser
MSM17/223-2	T8-4a	30.01.2011	16:12	23° 0,05' S	13° 57,99' E	146.8	S 10	MOORST	Spule & Fallschirm z/W
MSM17/223-2	T8-4a	30.01.2011	16:15	23° 0,09' S	13° 57,98' E	147.4	S 11	MOORST	3 Microcat zu Wasser
MSM17/223-2	T8-4a	30.01.2011	16:17	23° 0,11' S	13° 57,98' E	145.4	S 10	MOORST	Workhorse & Microcat z/W
MSM17/223-2	T8-4a	30.01.2011	16:17	23° 0,11' S	13° 57,98' E	145.4	S 10	MOORST	Ankerstein zu Wasser
MSM17/223-3	T8-4a	30.01.2011	17:13	23° 0,28' S	13° 57,95' E	145.7	S 11	TD	Holey sock, 2x Seacat und Sinkstoffalle z/ W
MSM17/223-3	T8-4a	30.01.2011	17:14	23° 0,29' S	13° 57,95' E	147.5	S 10	TD	Melo und Spiere z/W
MSM17/224-1	T8-4	30.01.2011	18:31	23° 0,23' S	14° 3,13' E	141.4	S 7	TT	SL max. 133 m
MSM17/224-2	T8-4	30.01.2011	18:52	23° 0,82' S	14° 3,40' E	140.9	S 6	TT	SL max. 124 m
MSM17/224-3	T8-4	30.01.2011	19:23	23° 1,76' S	14° 3,75' E	136.4	SW 6	TT	SL max. 40 m
MSM17/224-4	T8-4	30.01.2011	20:05	23° 2,55' S	14° 3,81' E	136.5	SW 6	MN	SL max. 150 m
MSM17/224-5	T8-4	30.01.2011	20:40	23° 2,89' S	14° 3,80' E	142.3	SSW 7	MOC-D	FdW 2 Kn

Station#	Station#	Date	Time	Position	Position	Depth	Wind	Gear	Comment
Merian	GENUS		[UTC]	Lat	Lon	[m]	[m/s]	Abbreviation	
MSM17/224-5	T8-4	30.01.2011	21:02	23° 3,63' S	14° 3,55' E	140.1	SSW 7	MOC-D	SL max. 185 m
MSM17/224-6	T8-4	30.01.2011	22:34	23° 0,00' S	14° 3,00' E	136.7	S 6	MUC	SL max 147m
MSM17/224-7	T8-4	30.01.2011	23:07	23° 0,00' S	14° 3,00' E	138.4	S 4	MUC	SL max 131m
MSM17/224-8	T8-4	30.01.2011	23:29	23° 0,00' S	14° 3,00' E	138.7	S 4	MUC	SL max 130m
MSM17/224-9	T8-4	30.01.2011	23:52	23° 0,00' S	14° 3,00' E	140.2	S 5	MUC	SL max 136m
MSM17/224-10	T8-4	31.01.2011	00:35	23° 0,00' S	14° 3,00' E	140.7	S 6	MUC	SL max 130m
MSM17/224-11	T8-4	31.01.2011	00:50	23° 0,00' S	14° 3,00' E	143.1	S 6	MUC	SL max 131m
MSM17/224-12	T8-4	31.01.2011	01:11	23° 0,00' S	14° 3,00' E	141.6	S 6	MUC	SL max 136m
MSM17/224-13	T8-4	31.01.2011	04:43	22° 59,07' S	14° 2,80' E	137.3	SSW 4	MOR	Kopfboje & 3 weiße Auftriebskörper zu Wasser
MSM17/224-13	T8-4	31.01.2011	04:54	22° 59,10' S	14° 2,81' E	138.7	SSW 4	MOR	Microcat zu Wasser
MSM17/224-13	T8-4	31.01.2011	04:55	22° 59,12' S	14° 2,81' E	137.2	SSW 4	MOR	Microcat zu Wasser
MSM17/224-13	T8-4	31.01.2011	04:56	22° 59,14' S	14° 2,82' E	138.4	SSW 4	MOR	O2 Seacat, Workhorse & 3 weiße Auftriebskörper z/W
MSM17/224-13	T8-4	31.01.2011	04:57	22° 59,15' S	14° 2,82' E	137.8	SSW 4	MOR	Fallschirm, Auftriebskörper, Seacat & 1. Ankerstein z/W
MSM17/224-13	T8-4	31.01.2011	05:09	22° 59,35' S	14° 2,86' E	135.6	SSW 4	MOR	Fallschirm, Auftriebskörper und 2. Ankerstein z/W
MSM17/224-13	T8-4	31.01.2011	05:10	22° 59,36' S	14° 2,86' E	137.3	SSW 4	MOR	2. Kopfboje, 3 weiße Auftriebskörper & 1 Gerät z/W
MSM17/224-14	T8-4	31.01.2011	05:39	22° 59,99' S	14° 2,95' E	136.7	SSW 4	CTD/RO	SL max. 124m
MSM17/225-1	WLT-1	31.01.2011	08:38	23° 30,02' S	13° 59,97' E	168.9	S 4	CTD/RO	SL max. 157 m
MSM17/225-2	WLT-1	31.01.2011	08:53	23° 30,02' S	13° 59,97' E	171.1	S 4	SD	
MSM17/225-3	WLT-1	31.01.2011	08:57	23° 30,02' S	13° 59,97' E	170.2	S 3	PLA	
MSM17/225-4	WLT-1	31.01.2011	09:11	23° 30,08' S	14° 0,02' E	170.8	S 3	MN	FdW 2 Kn
MSM17/225-4	WLT-1	31.01.2011	09:17	23° 30,24' S	14° 0,11' E	0.0	S 3	MN	SL max. 189 m
MSM17/225-5	WLT-1	31.01.2011	10:18	23° 30,70' S	14° 0,31' E	170.9	SSW 5	TT	Netzschaden, Abbruch
MSM17/225-6	WLT-1	31.01.2011	10:59	23° 30,00' S	14° 0,00' E	169.1	SSW 6	MUC	SL max 164m
MSM17/226-1	WLT-2	31.01.2011	13:57	23° 29,82' S	13° 30,06' E	229.9	S 9	CTD/RO	SL max 219m
MSM17/226-2	WLT-2	31.01.2011	14:09	23° 29,80' S	13° 30,07' E	229.4	S 9	SD	
MSM17/226-3	WLT-2	31.01.2011	14:11	23° 29,80' S	13° 30,06' E	231.4	S 9	PLA	
MSM17/226-4	WLT-2	31.01.2011	14:21	23° 29,88' S	13° 30,08' E	230.8	S 11	MN	FdW 2 Kn
MSM17/226-4	WLT-2	31.01.2011	14:31	23° 30,21' S	13° 30,15' E	233.3	S 10	MN	SL max. 293m
MSM17/226-5	WLT-2	31.01.2011	15:10	23° 30,77' S	13° 30,27' E	231.8	S 12	MUC	SL max. 225m
MSM17/226-6	WLT-2	31.01.2011	15:30	23° 30,77' S	13° 30,27' E	230.5	S 11	MUC	SL max. 236m
MSM17/226-7	WLT-2	31.01.2011	15:56	23° 30,77' S	13° 30,27' E	230.4	S 12	MUC	SL max. 231m
MSM17/226-8	WLT-2	31.01.2011	16:19	23° 30,77' S	13° 30,27' E	230.8	S 10	MUC	SL max. 232 m
MSM17/226-9	WLT-2	31.01.2011	16:35	23° 30,91' S	13° 30,32' E	230.7	S 10	MOCN	FdW 2 Kn
MSM17/226-9	WLT-2	31.01.2011	16:54	23° 31,51' S	13° 30,55' E	0.0	S 10	MOCN	SL max. 309m
MSM17/227-2	WLT-2a	31.01.2011	20:55	23° 29,90' S	12° 57,03' E	789.1	SSE 9	PLA	
MSM17/227-1	WLT-2a	31.01.2011	20:57	23° 29,90' S	12° 57,04' E	785.5	S 9	CTD/RO	SL max. 744 m
MSM17/227-3	WLT-2a	31.01.2011	21:27	23° 30,18' S	12° 57,22' E	783.9	SSE 9	MOCN	FdW 2 Kn
MSM17/227-3	WLT-2a	31.01.2011	22:06	23° 31,15' S	12° 58,02' E	762.0	SSE 11	MOCN	SL max. 768m
MSM17/227-4	WLT-2a	01.02.2011	00:33	23° 36,69' S	13° 9,48' E	424.5	SSE 9	MOCN	SL max 163m
MSM17/228-1	WLT-3	01.02.2011	05:45	24° 0,02' S	13° 59,95' E	217.3	SSE 3	CTD/RO	SL max. 205m
MSM17/228-2	WLT-3	01.02.2011	06:01	24° 0,02' S	13° 59,90' E	218.2	SE 3	PLA	
MSM17/228-3	WLT-3	01.02.2011	06:04	24° 0,03' S	13° 59,89' E	218.3	SE 2	SD	
MSM17/228-4	WLT-3	01.02.2011	06:22	24° 0,17' S	13° 59,87' E	218.4	SE 2	MN	FdW 2 Kn
MSM17/228-4	WLT-3	01.02.2011	06:29	24° 0,37' S	13° 59,90' E	0.0	SE 3	MN	SL max. 222 m
MSM17/228-5	WLT-3	01.02.2011	07:27	24° 2,03' S	14° 0,20' E	217.0	SSE 3	MOCN	273 m
MSM17/228-6	WLT-3	01.02.2011	08:09	24° 2,68' S	14° 0,32' E	218.0	SSE 2	MUC	SL max. 216 m
MSM17/228-7	WLT-3	01.02.2011	08:32	24° 2,68' S	14° 0,32' E	215.6	SSE 3	MUC	SL max. 218 m
MSM17/229-1	WLT-5	01.02.2011	11:40	24° 29,95' S	14° 20,02' E	126.4	S 6	CTD/RO	
MSM17/229-2	WLT-5	01.02.2011	11:46	24° 29,94' S	14° 20,05' E	125.3	S 6	SD	
MSM17/229-3	WLT-5	01.02.2011	11:47	24° 29,94' S	14° 20,05' E	126.3	S 7	PLA	
MSM17/229-1	WLT-5	01.02.2011	11:48	24° 29,95' S	14° 20,04' E	124.6	S 6	CTD/RO	SL max 218m
MSM17/229-4	WLT-5	01.02.2011	12:15	24° 30,17' S	14° 20,02' E	125.6	S 7	MN	FdW 2 Kn
MSM17/229-4	WLT-5	01.02.2011	12:19	24° 30,32' S	14° 20,03' E	126.8	S 7	MN	SL max 130m
MSM17/229-5	WLT-5	01.02.2011	12:44	24° 30,72' S	14° 20,10' E	125.4	S 8	MUC	SL max 124m
MSM17/230-1	WLT-6	01.02.2011	16:05	24° 59,98' S	14° 0,00' E	182.4	S 11	CTD/RO	SL max. 169 m
MSM17/230-2	WLT-6	01.02.2011	16:20	24° 59,98' S	14° 0,00' E	181.3	S 10	PLA	
MSM17/230-3	WLT-6	01.02.2011	16:26	24° 59,98' S	14° 0,00' E	182.1	S 10	SD	
MSM17/230-4	WLT-6	01.02.2011	16:32	25° 0,05' S	14° 0,05' E	181.6	S 11	MN	FdW 2kn
MSM17/230-4	WLT-6	01.02.2011	16:40	25° 0,26' S	14° 0,23' E	183.2	S 11	MN	SL max. 221m
MSM17/230-5	WLT-6	01.02.2011	17:11	25° 0,89' S	14° 0,71' E	185.2	SSE 11	MOCN	FdW 2Kn
MSM17/230-5	WLT-6	01.02.2011	17:27	25° 1,31' S	14° 1,06' E	186.7	SSE 12	MOCN	SL max. 247m
MSM17/230-6	WLT-6	01.02.2011	18:49	25° 0,00' S	14° 0,00' E	180.3	S 12	MUC	SL max. 183 m
MSM17/230-7	WLT-6	01.02.2011	19:08	25° 0,00' S	14° 0,00' E	180.9	S 11	MUC	SL max. 181 m
MSM17/231-1	WLT-7	02.02.2011	03:09	25° 59,96' S	14° 30,03' E	193.0	SSE 7	CTD/RO	SL max 182m
MSM17/231-2	WLT-7	02.02.2011	03:23	25° 59,96' S	14° 30,07' E	193.9	S 7	PLA	
MSM17/231-3	WLT-7	02.02.2011	04:09	26° 0,49' S	14° 30,38' E	193.5	SSE 5	MOCN	SL max. 234m

Station#	Station#	Date	Time	Position	Position	Depth	Wind	Gear	Comment
Merian	GENUS		[UTC]	Lat	Lon	[m]	[m/s]	Abbreviation	
MSM17/231-4	WLT-7	02.02.2011	05:11	26° 0,00' S	14° 30,00' E	193.7	SSE 6	MUC	SL max. 192m
MSM17/231-5	WLT-7	02.02.2011	05:26	26° 0,09' S	14° 30,06' E	193.2	SSE 6	MN	FdW 2 Kn
MSM17/231-5	WLT-7	02.02.2011	05:35	26° 0,33' S	14° 30,25' E	192.8	SSE 7	MN	SL max. 239m
MSM17/232-1	L-4	02.02.2011	10:45	26° 40,08' S	15° 3,50' E	41.2	NNW 2	CTD/RO	SL max 34m
MSM17/232-2	L-4	02.02.2011	10:54	26° 40,04' S	15° 3,48' E	72.1	NW 2	SD	
MSM17/232-3	L-4	02.02.2011	10:56	26° 40,04' S	15° 3,48' E	43.9	NW 2	PLA	
MSM17/232-4	L-4	02.02.2011	11:04	26° 40,01' S	15° 3,46' E	45.0	NNW 2	APSN	
MSM17/232-5	L-4	02.02.2011	11:20	26° 39,98' S	15° 3,46' E	44.9	NNW 2	MSS	FdW 0,5kn
MSM17/232-6	L-4	02.02.2011	11:56	26° 40,30' S	15° 3,27' E	43.4	WNW 3	MN	FdW 2kn
MSM17/232-6	L-4	02.02.2011	11:58	26° 40,38' S	15° 3,25' E	44.7	WNW 3	MN	SL max 49m
MSM17/232-7	L-4	02.02.2011	12:31	26° 40,00' S	15° 3,60' E	39.3	WNW 3	MUC	SL max 40m
MSM17/232-8	L-4	02.02.2011	12:39	26° 40,00' S	15° 3,60' E	39.8	WNW 3	MUC	SL max 43m
MSM17/233-1	L-4	02.02.2011	14:25	26° 40,00' S	14° 45,65' E	193.8	W 3	CTD/RO	SL max. 179m
MSM17/233-2	L-3	02.02.2011	14:36	26° 40,01' S	14° 45,67' E	192.9	W 2	PLA	
MSM17/233-3	L-3	02.02.2011	15:04	26° 40,28' S	14° 45,61' E	193.5	WSW 2	MOC-D	FdW 2Kn
MSM17/233-3	L-3	02.02.2011	15:24	26° 40,94' S	14° 45,47' E	195.9	WSW 3	MOC-D	SL max. 234m
MSM17/233-3	L-3	02.02.2011	15:30	26° 41,12' S	14° 45,43' E	197.1	WSW 3	MOC-D	FdW auf 1,5 Kn verringert
MSM17/233-4	L-3	02.02.2011	15:42	26° 41,34' S	14° 45,39' E	197.7	SW 2	APSN	
MSM17/233-5	L-3	02.02.2011	15:56	26° 41,37' S	14° 45,39' E	198.1	SW 2	MSS	FdW 0,5 Kn
MSM17/233-6	L-3	02.02.2011	16:48	26° 41,70' S	14° 45,34' E	197.2	SSW 1	MN	SI max. 147m
MSM17/233-7	L-3	02.02.2011	17:05	26° 41,79' S	14° 45,33' E	198.0	SSE 2	MN	FdW 2Kn
MSM17/233-7	L-3	02.02.2011	17:13	26° 42,02' S	14° 45,31' E	199.1	S 2	MN	SI max. 215m
MSM17/233-8	L-3	02.02.2011	18:08	26° 40,00' S	14° 45,59' E	192.7	S 3	MUC	SL max 189 m
MSM17/233-9	L-3	02.02.2011	18:32	26° 40,13' S	14° 45,62' E	193.0	SSW 5	MOC-D	FdW 2 Kn
MSM17/233-9	L-3	02.02.2011	18:46	26° 40,57' S	14° 45,49' E	193.5	S 6	MOC-D	SL max. 189 m
MSM17/234-1	L-2	02.02.2011	21:04	26° 39,95' S	14° 25,00' E	327.0	SSE 3	CTD/RO	SL max. 314 m
MSM17/234-2	L-2	02.02.2011	21:06	26° 39,95' S	14° 25,00' E	326.9	SSE 3	PLA	
MSM17/234-3	L-2	02.02.2011	21:22	26° 39,95' S	14° 25,00' E	327.6	S 4	APSN	
MSM17/234-4	L-2	02.02.2011	21:45	26° 39,82' S	14° 25,10' E	327.7	S 4	MSS	FdW 0,5 kn
MSM17/234-5	L-2	02.02.2011	22:54	26° 40,38' S	14° 25,28' E	327.8	S 5	MN	FdW 2kn
MSM17/234-5	L-2	02.02.2011	23:03	26° 40,64' S	14° 25,45' E	330.2	S 5	MN	SL max 254m
MSM17/234-6	L-2	02.02.2011	23:40	26° 41,37' S	14° 25,90' E	331.4	S 5	MOCN	FdW 2kn
MSM17/234-6	L-2	02.02.2011	23:54	26° 41,75' S	14° 26,14' E	326.3	SSE 4	MOCN	SL max 429m
MSM17/234-7	L-2	03.02.2011	01:13	26° 40,00' S	14° 25,00' E	330.5	SSE 4	MUC	SL max 326m
MSM17/234-8	L-2	03.02.2011	01:34	26° 40,00' S	14° 25,00' E	328.2	SSE 3	MUC	SL max 328m
MSM17/235-1	L-1	03.02.2011	04:22	26° 39,97' S	13° 59,98' E	423.0	S 2	CTD/RO	SI max. 404m
MSM17/235-2	L-1	03.02.2011	04:35	26° 39,96' S	13° 59,99' E	426.5	S 2	PLA	
MSM17/235-3	L-1	03.02.2011	04:38	26° 39,96' S	13° 59,99' E	423.7	S 2	APSN	
MSM17/235-4	L-1	03.02.2011	04:44	26° 39,95' S	13° 59,99' E	422.3	SSW 2	SD	
MSM17/235-5	L-1	03.02.2011	04:49	26° 39,95' S	13° 59,99' E	421.6	S 2	MSS	
MSM17/235-6	L-1	03.02.2011	06:10	26° 40,70' S	14° 0,15' E	424.1	SSW 1	MOCN	FdW 2 Kn
MSM17/235-6	L-1	03.02.2011	06:46	26° 41,72' S	14° 0,56' E	419.4	WSW 1	MOCN	SL max. 599 m
MSM17/235-7	L-1	03.02.2011	07:48	26° 43,15' S	14° 1,13' E	420.9	SSW 0	MN	FdW 0 Kn
MSM17/235-7	L-1	03.02.2011	08:05	26° 43,15' S	14° 1,13' E	424.8	SSE 1	MN	SL max. 377 m
MSM17/235-8	L-1	03.02.2011	08:25	26° 43,25' S	14° 1,15' E	420.5	SW 0	MN	vertikal gefahren
MSM17/235-8	L-1	03.02.2011	08:34	26° 43,45' S	14° 1,24' E	423.6	WNW 1	MN	SL max. 242 m
MSM17/235-9	L-1	03.02.2011	09:42	26° 40,00' S	14° 0,00' E	420.4	W 1	MUC	SL max. 422 m
MSM17/236-1	L-1a	03.02.2011	12:59	26° 34,56' S	13° 27,07' E	1210.5	W 3	MOC-D	FdW 2 kn
MSM17/236-1	L-1a	03.02.2011	14:05	26° 36,56' S	13° 28,15' E	1160.2	WSW 5	MOC-D	SL max. 1772m
MSM17/236-2	L-1a	03.02.2011	15:51	26° 39,98' S	13° 30,06' E	1102.8	W 6	CTD/RO	SL max. 210 m
MSM17/236-3	L-1a	03.02.2011	16:06	26° 40,00' S	13° 30,09' E	1102.0	WSW 5	SD	
MSM17/236-4	L-1a	03.02.2011	16:09	26° 40,00' S	13° 30,09' E	1104.1	WSW 5	PLA	
MSM17/236-5	L-1a	03.02.2011	16:19	26° 40,00' S	13° 30,09' E	1106.3	WSW 5	APSN	
MSM17/236-6	L-1a	03.02.2011	17:02	26° 39,97' S	13° 30,23' E	1094.9	WSW 6	CTD/RO	SL max. 1069m
MSM17/236-7	L-1a	03.02.2011	17:35	26° 40,00' S	13° 30,27' E	1089.4	SW 7	MN	vertikal gefahren
MSM17/236-7	L-1a	03.02.2011	18:13	26° 40,04' S	13° 30,37' E	1085.9	SW 6	MN	SI max. 990 m
MSM17/236-8	L-1a	03.02.2011	19:08	26° 40,11' S	13° 30,56' E	1074.3	SSW 4	MN	SL max. 98 m
MSM17/236-9	L-1a	03.02.2011	19:30	26° 40,13' S	13° 30,59' E	1075.1	SSE 3	MSS	
MSM17/236-10	L-1a	03.02.2011	21:30	26° 41,32' S	13° 32,34' E	1008.0	SSW 3	MOCN	SI max. 635m
MSM17/236-11	L-1a	03.02.2011	22:56	26° 40,00' S	13° 30,00' E	1112.8	SE 2	MUC	SI max. 1082m
MSM17/236-12	L-1a	04.02.2011	00:41	26° 42,52' S	13° 30,56' E	1113.9	S 1	MOC-D	SI max. 1752m
MSM17/237-1	WLT-8	04.02.2011	05:55	25° 59,95' S	13° 33,01' E	758.8	S 2	CTD/RO	SI max. 730m
MSM17/237-2	WLT-8	04.02.2011	06:24	26° 0,00' S	13° 33,00' E	758.3	SW 4	SD	
MSM17/237-3	WLT-8	04.02.2011	06:27	26° 0,00' S	13° 33,00' E	756.4	SW 4	PLA	
MSM17/237-4	WLT-8	04.02.2011	06:48	26° 0,00' S	13° 33,00' E	759.5	S 2	MUC	SL max. 746 m
MSM17/238-1	WLT-9	04.02.2011	12:32	25° 0,00' S	13° 20,01' E	1101.7	S 4	CTD/RO	SL max 1065m
MSM17/238-2	WLT-9	04.02.2011	12:56	24° 59,98' S	13° 20,08' E	1104.6	SSE 4	PLA	
MSM17/238-3	WLT-9	04.02.2011	13:01	24° 59,97' S	13° 20,08' E	1096.1	SSE 4	SD	
MSM17/238-4	WLT-9	04.02.2011	13:09	25° 0,10' S	13° 20,11' E	1100.2	S 4	MOCN	FdW 2kn
MSM17/238-4	WLT-9	04.02.2011	13:37	25° 0,74' S	13° 20,44' E	0.0	SSW 6	MOCN	SL max 540m
MSM17/238-5	WLT-9	04.02.2011	14:31	25° 2,01' S	13° 21,00' E	1104.4	SSW 6	CTD/RO	SI max. 100m
MSM17/238-6	WLT-9	04.02.2011	15:25	25° 0,00' S	13° 19,99' E	0.0	S 7	MUC	SI max. 1076m
MSM17/238-7	WLT-9	04.02.2011	16:12	25° 0,00' S	13° 19,99' E	1082.7	SSW 10	MUC	SL max. 1077 m

Station#	Station#	Date	Time	Position	Position	Depth	Wind	Gear	Comment
Merian	GENUS		[UTC]	Lat	Lon	[m]	[m/s]	Abbreviation	
MSM17/239-2	WLT-4	04.02.2011	19:53	24° 29,93' S	13° 42,04' E	354.0	S 7	PLA	
MSM17/239-1	WLT-4	04.02.2011	19:56	24° 29,92' S	13° 42,07' E	355.3	S 7	CTD/RO	SL max. 350 m
MSM17/239-3	WLT-4	04.02.2011	20:16	24° 30,13' S	13° 42,20' E	356.8	SSW 9	MOCN	FdW 2 Kn
MSM17/239-3	WLT-4	04.02.2011	20:34	24° 30,73' S	13° 42,34' E	355.8	SSW 10	MOCN	SL max. 483 m
MSM17/239-4	WLT-4	04.02.2011	21:20	24° 32,13' S	13° 42,67' E	359.0	S 10	MN	FdW 2 Kn
MSM17/239-4	WLT-4	04.02.2011	21:33	24° 32,54' S	13° 42,80' E	360.5	S 7	MN	SL max. 282 m
MSM17/239-5	WLT-4	04.02.2011	22:18	24° 33,88' S	13° 43,56' E	355.2	S 7	MOCN	SL max 139m
MSM17/239-6	WLT-4	04.02.2011	23:37	24° 30,00' S	13° 42,00' E	356.3	S 7	MUC	SL max 361m
MSM17/240-1	WLT-10	05.02.2011	03:42	23° 59,98' S	13° 6,63' E	742.2	S 7	CTD/RO	SI max. 728m
MSM17/240-2	WLT-10	05.02.2011	04:08	24° 0,07' S	13° 6,66' E	739.2	SSE 6	MOCN	FdW 2Kn
MSM17/240-2	WLT-10	05.02.2011	04:39	24° 0,92' S	13° 7,07' E	739.9	SSE 6	MOCN	SI max. 586m
MSM17/240-3	WLT-10	05.02.2011	05:51	24° 0,00' S	13° 6,60' E	739.7	SSE 7	PLA	
MSM17/240-4	WLT-10	05.02.2011	05:56	24° 0,00' S	13° 6,60' E	743.1	SSE 7	SD	
MSM17/240-5	WLT-10	05.02.2011	06:19	24° 0,00' S	13° 6,60' E	742.9	SSE 5	MUC	SL max. 740 m
MSM17/240-5	WLT-10	05.02.2011	06:35	24° 0,00' S	13° 6,60' E	742.1	SSE 3	MUC	Gerät hat nicht ausgelöst, erneuter Versuch
MSM17/240-6	WLT-10	05.02.2011	06:53	24° 0,00' S	13° 6,60' E	739.5	S 3	MUC	SL max. 746 m
MSM17/241-1	T8-1a	05.02.2011	15:07	23° 0,02' S	11° 45,04' E	3029.7	S 7	CTD/RO	SI max.110m
MSM17/241-2	T8-1a	05.02.2011	15:19	23° 0,92' S	11° 45,03' E	3002.5	SSW 8	SD	
MSM17/241-3	T8-1a	05.02.2011	15:22	23° 0,02' S	11° 45,04' E	3014.2	SSW 8	PLA	
MSM17/241-4	T8-1a	05.02.2011	15:29	23° 0,03' S	11° 45,04' E	3003.6	S 8	MSS	
MSM17/241-5	T8-1a	05.02.2011	16:43	23° 0,64' S	11° 45,02' E	2974.0	S 9	APSN	
MSM17/241-6	T8-1a	05.02.2011	18:04	23° 0,63' S	11° 45,12' E	2975.8	S 9	CTD/RO	SL max. 2977 m
MSM17/241-7	T8-1a	05.02.2011	19:12	23° 0,85' S	11° 45,18' E	2967.2	SSE 10	MOC-D	FdW 2 Kn
MSM17/241-7	T8-1a	05.02.2011	20:22	23° 3,18' S	11° 45,44' E	2964.2	SSE 10	MOC-D	SL max. 1773 m
MSM17/241-8	T8-1a	05.02.2011	23:16	23° 0,00' S	11° 45,00' E	2974.0	SSE 9	MUC	SL max 2980m
MSM17/241-9	T8-1a	06.02.2011	01:24	23° 0,00' S	11° 45,00' E	2973.7	SSE 9	MUC	SL max 2995m
MSM17/241-10	T8-1a	06.02.2011	03:34	23° 0,00' S	11° 45,00' E	2951.0	SSE 8	MUC	SI max. 2994m
MSM17/241-11	T8-1a	06.02.2011	04:33	23° 0,00' S	11° 45,00' E	2977.6	SSE 8	MN	vertikal gefahren
MSM17/241-11	T8-1a	06.02.2011	05:09	22° 59,95' S	11° 45,11' E	2951.7	SSE 8	MN	SI max. 993m
MSM17/241-12	T8-1a	06.02.2011	06:04	22° 59,97' S	11° 45,27' E	2954.3	SSE 8	MN	vertikal gefahren
MSM17/241-12	T8-1a	06.02.2011	06:09	23° 0,02' S	11° 45,30' E	2953.8	SSE 8	MN	SL max. 100 m
MSM17/241-13	T8-1a	06.02.2011	06:23	23° 0,15' S	11° 45,36' E	3031.9	SSE 7	MOC-D	FdW 2 Kn
MSM17/241-13	T8-1a	06.02.2011	07:27	23° 1,82' S	11° 46,39' E	2984.0	S 8	MOC-D	SL max. 1613 m
MSM17/242-1	T8-1b	06.02.2011	12:07	23° 0,00' S	12° 29,96' E	1644.7	S 8	CTD/RO	SL max 115m
MSM17/242-2	T8-1b	06.02.2011	12:09	23° 0,00' S	12° 29,95' E	1648.4	S 7	SD	
MSM17/242-3	T8-1b	06.02.2011	12:13	23° 0,01' S	12° 29,93' E	1648.6	S 7	PLA	
MSM17/242-1	T8-1b	06.02.2011	12:17	23° 0,02' S	12° 29,92' E	1650.3	S 7	CTD/RO	
MSM17/242-4	T8-1b	06.02.2011	12:20	23° 0,02' S	12° 29,93' E	1656.7	S 8	PAR-IOW	
MSM17/242-5	T8-1b	06.02.2011	12:33	23° 0,00' S	12° 30,00' E	1649.8	S 9	MSS	
MSM17/242-6	T8-1b	06.02.2011	13:40	23° 0,46' S	12° 29,99' E	1649.3	S 10	MN	vertikal gefahren
MSM17/242-6	T8-1b	06.02.2011	14:18	23° 0,46' S	12° 29,99' E	1810.5	S 10	MN	SL max.991m
MSM17/242-7	T8-1b	06.02.2011	15:00	23° 0,46' S	12° 29,99' E	1796.8	S 11	MN	vertikal gefahren
MSM17/242-7	T8-1b	06.02.2011	15:07	23° 0,46' S	12° 29,99' E	1654.7	S 11	MN	SI max. 197m
MSM17/242-8	T8-1b	06.02.2011	15:25	23° 0,59' S	12° 29,96' E	1535.5	S 12	MOC-D	FdW 2Kn
MSM17/242-8	T8-1b	06.02.2011	16:28	23° 2,49' S	12° 29,93' E	1592.4	S 11	MOC-D	SI max. 1647 m
MSM17/242-9	T8-1b	06.02.2011	17:34	23° 4,41' S	12° 30,08' E	1651.4	S 11	APSN	
MSM17/242-10	T8-1b	06.02.2011	19:27	23° 0,00' S	12° 30,00' E	1648.9	SSE 9	CTD/RO	SL max. 1625 m
MSM17/242-11	T8-1b	06.02.2011	20:41	23° 0,00' S	12° 30,00' E	0.0	SSE 8	MUC	SL max 1636 m
MSM17/242-12	T8-1b	06.02.2011	22:34	23° 2,41' S	12° 30,71' E	1613.4	SSE 8	MOC-D	SL max 1768m
MSM17/243-1	T8-1c	07.02.2011	01:15	23° 0,06' S	12° 48,01' E	0.0	S 9	MOC-D	Fdw 2kn
MSM17/243-1	T8-1c	07.02.2011	02:09	23° 1,84' S	12° 48,30' E	920.5	SSE 8	MOC-D	SL max.1299m
MSM17/243-2	T8-1c	07.02.2011	03:56	22° 59,98' S	12° 48,00' E	911.6	S 7	CTD/RO	SI max. 898m
MSM17/243-3	T8-1c	07.02.2011	04:18	22° 59,98' S	12° 48,01' E	911.0	S 7	PLA	
MSM17/243-4	T8-1c	07.02.2011	04:25	22° 59,98' S	12° 48,00' E	910.0	S 6	APSN	
MSM17/243-5	T8-1c	07.02.2011	04:38	23° 0,01' S	12° 48,01' E	1046.8	S 6	MSS	
MSM17/243-6	T8-1c	07.02.2011	05:41	23° 0,58' S	12° 48,05' E	913.6	S 7	MN	FdW 2Kn
MSM17/243-6	T8-1c	07.02.2011	05:51	23° 0,89' S	12° 48,11' E	925.0	S 6	MN	SI max. 273m
MSM17/243-7	T8-1c	07.02.2011	06:28	23° 1,85' S	12° 48,32' E	920.7	S 7	MOCN	FdW 2 Kn
MSM17/243-7	T8-1c	07.02.2011	06:52	23° 2,68' S	12° 48,51' E	0.0	S 6	MOCN	SL max. 669 m
MSM17/243-8	T8-1c	07.02.2011	07:43	23° 4,30' S	12° 48,91' E	925.2	S 6	MN	vertikal gefahren
MSM17/243-8	T8-1c	07.02.2011	08:13	23° 4,30' S	12° 48,92' E	921.2	S 7	MN	SL max. 843 m
MSM17/243-9	T8-1c	07.02.2011	08:48	23° 4,30' S	12° 48,92' E	917.9	S 7	MN	vertikal gefahren
MSM17/243-9	T8-1c	07.02.2011	08:56	23° 4,30' S	12° 48,92' E	925.6	S 6	MN	SL max. 198 m
MSM17/243-10	T8-1c	07.02.2011	10:04	23° 0,00' S	12° 48,00' E	911.1	S 7	MUC	SL max 906m
MSM17/243-11	T8-1c	07.02.2011	10:25	23° 0,00' S	12° 48,00' E	870.9	S 6	SD	
MSM17/243-12	T8-1c	07.02.2011	11:30	23° 1,98' S	12° 48,11' E	929.9	S 8	MOC-D	SL max 1284m
MSM17/244-1	MSS-01	07.02.2011	13:10	22° 59,94' S	12° 55,06' E	657.8	S 8	MSS	FdW 0,5kn
MSM17/245-1	MSS-02	07.02.2011	14:46	22° 59,95' S	13° 0,00' E	0.0	S 9	MSS	FdW 0,5Kn
MSM17/246-1	T8-1d	07.02.2011	16:40	22° 59,96' S	13° 2,97' E	413.1	S 11	CTD/RO	SI max. 399m
MSM17/246-2	T8-1d	07.02.2011	16:53	22° 59,95' S	13° 3,00' E	411.3	S 11	SD	
MSM17/246-3	T8-1d	07.02.2011	16:56	22° 59,95' S	13° 3,00' E	413.9	S 10	APSN	
MSM17/246-4	T8-1d	07.02.2011	16:58	22° 59,95' S	13° 3,00' E	411.4	S 10	PLA	

Station#	Station#	Date	Time	Position	Position	Depth	Wind	Gear	Comment
Merian	GENUS		[UTC]	Lat	Lon	[m]	[m/s]	Abbreviation	
MSM17/246-5	T8-1d	07.02.2011	17:11	22° 59,97' S	13° 3,00' E	411.8	S 10	MSS	FdW 0,5Kn
MSM17/246-6	T8-1d	07.02.2011	18:08	23° 0,49' S	13° 3,04' E	417.1	S 11	MN	FdW 2 Kn
MSM17/246-6	T8-1d	07.02.2011	18:26	23° 1,06' S	13° 3,15' E	423.3	S 11	MN	SL max. 293 m
MSM17/246-7	T8-1d	07.02.2011	19:39	23° 0,00' S	13° 3,00' E	411.8	S 11	MUC	SL max. 416 m
MSM17/246-8	T8-1d	07.02.2011	19:57	23° 0,12' S	13° 3,02' E	411.4	S 11	MOCN	FdW 2 Kn
MSM17/246-8	T8-1d	07.02.2011	20:19	23° 0,77' S	13° 3,28' E	415.5	S 11	MOCN	SL max. 592 m
MSM17/246-9	T8-1d	07.02.2011	21:17	23° 2,61' S	13° 3,95' E	421.4	S 10	MOCN	FdW 2 Kn
MSM17/246-9	T8-1d	07.02.2011	21:23	23° 2,80' S	13° 4,02' E	425.1	S 10	MOCN	SL max. 141 m
MSM17/246-10	T8-1d	08.02.2011	01:40	23° 1,79' S	13° 3,35' E	425.3	SSW 8	EM120	fahren auf Sollposition und versuchen zu pingen
MSM17/246-10	T8-1d	08.02.2011	02:10	23° 0,01' S	13° 3,34' E	401.4	S 9	EM120	Hydrophon zu Wasser
MSM17/246-10	T8-1d	08.02.2011	02:16	22° 59,97' S	13° 3,31' E	0.0	S 9	EM120	Hydrophon a/D, Abbruch Verankerung antwortet nicht.
MSM17/247-1	MSS-03	08.02.2011	02:41	22° 59,95' S	13° 4,99' E	0.0	S 6	MSS	
MSM17/248-1	MSS-04	08.02.2011	04:05	22° 59,95' S	13° 9,99' E	0.0	S 7	MSS	
MSM17/249-1	MSS-05	08.02.2011	05:31	22° 59,98' S	13° 14,99' E	0.0	SSE 10	MSS	
MSM17/250-1	T8-1	08.02.2011	07:17	22° 59,97' S	13° 20,04' E	353.3	SSE 8	CTD/RO	SL max. 347 m
MSM17/250-2	T8-1	08.02.2011	07:32	22° 59,95' S	13° 20,08' E	354.5	SSE 8	PLA	
MSM17/250-3	T8-1	08.02.2011	07:36	22° 59,95' S	13° 20,08' E	354.2	SSE 8	SD	
MSM17/250-4	T8-1	08.02.2011	07:47	22° 59,95' S	13° 20,08' E	355.1	SSE 8	APSN	
MSM17/250-5	T8-1	08.02.2011	08:08	22° 59,95' S	13° 20,08' E	354.6	SSE 8	CTD/RO	SL max. 30 m
MSM17/250-6	T8-1	08.02.2011	08:19	22° 59,97' S	13° 20,09' E	354.5	SSE 8	MSS	FdW 0,5 Kn
MSM17/250-7	T8-1	08.02.2011	09:27	23° 0,71' S	13° 20,32' E	350.2	S 7	MOC-D	FdW 2 Kn
MSM17/250-7	T8-1	08.02.2011	09:51	23° 1,46' S	13° 20,37' E	350.8	SSE 7	MOC-D	SL max. 467 m
MSM17/250-8	T8-1	08.02.2011	10:20	23° 2,39' S	13° 20,46' E	350.4	S 7	MN	FdW 2 kn
MSM17/250-8	T8-1	08.02.2011	10:40	23° 3,00' S	13° 20,68' E	349.6	S 7	MN	SL max 325m
MSM17/250-9	T8-1	08.02.2011	11:14	23° 4,08' S	13° 21,05' E	351.1	S 7	MOCN	FdW 2 kn
MSM17/250-9	T8-1	08.02.2011	11:34	23° 4,71' S	13° 21,29' E	347.3	S 8	MOCN	SL max 489m
MSM17/250-10	T8-1	08.02.2011	12:17	23° 5,96' S	13° 21,76' E	337.9	S 9	MOCN	FdW 2kn
MSM17/250-10	T8-1	08.02.2011	12:36	23° 6,53' S	13° 21,98' E	338.0	S 9	MOCN	SL max 478m
MSM17/250-11	T8-1	08.02.2011	13:08	23° 7,11' S	13° 22,19' E	335.9	S 10	MN	vertikal
MSM17/250-11	T8-1	08.02.2011	13:15	23° 7,11' S	13° 22,19' E	337.0	S 10	MN	SL max 200m
MSM17/250-12	T8-1	08.02.2011	13:31	23° 7,11' S	13° 22,19' E	336.6	S 10	MN	vertikal
MSM17/250-12	T8-1	08.02.2011	13:42	23° 7,11' S	13° 22,19' E	335.9	S 11	MN	SL max 299m
MSM17/250-13	T8-1	08.02.2011	14:52	22° 59,98' S	13° 20,01' E	354.5	S 10	MUC	SI max. 357m
MSM17/251-1	MSS-06	08.02.2011	16:12	23° 0,23' S	13° 25,03' E	308.3	S 11	MSS	technische Probleme
MSM17/252-1	MSS-07	08.02.2011	17:07	22° 59,97' S	13° 29,96' E	243.4	S 9	MSS	
MSM17/253-1	MSS-08	08.02.2011	18:12	23° 0,60' S	13° 30,66' E	232.5	SSE 11	MSS	FdW 0,5 Kn
MSM17/254-1	T8-3	08.02.2011	20:15	22° 59,95' S	13° 40,05' E	154.9	S 14	CTD/RO	SL max. 145 m
MSM17/254-2	T8-3	08.02.2011	20:31	22° 59,95' S	13° 40,03' E	155.4	S 14	PLA	
MSM17/254-3	T8-3	08.02.2011	20:32	22° 59,95' S	13° 40,03' E	154.7	S 12	APSN	
MSM17/254-4	T8-3	08.02.2011	20:46	22° 59,96' S	13° 40,03' E	154.3	S 12	MSS	
MSM17/254-5	T8-3	08.02.2011	21:29	23° 0,47' S	13° 40,17' E	155.2	SSE 11	MOC-D	FdW 2 Kn
MSM17/254-5	T8-3	08.02.2011	21:50	23° 1,11' S	13° 40,44' E	155.3	S 11	MOC-D	SL max. 259 m
MSM17/254-6	T8-3	08.02.2011	22:05	23° 1,55' S	13° 40,65' E	156.7	S 11	MN	FdW 2 kn
MSM17/254-6	T8-3	08.02.2011	22:18	23° 1,93' S	13° 40,77' E	156.8	S 11	MN	SL max 187m
MSM17/254-7	T8-3	08.02.2011	22:45	23° 2,45' S	13° 40,93' E	156.5	SSE 11	MN	vertikal
MSM17/254-7	T8-3	08.02.2011	22:49	23° 2,45' S	13° 40,93' E	158.9	S 11	MN	SL max 99m
MSM17/254-8	T8-3	08.02.2011	23:04	23° 2,68' S	13° 40,99' E	158.6	S 11	MOCN	FdW 2 kn
MSM17/254-8	T8-3	08.02.2011	23:17	23° 3,07' S	13° 41,11' E	157.0	S 11	MOCN	SL max 200m
MSM17/254-9	T8-3	09.02.2011	00:11	23° 0,00' S	13° 40,00' E	155.7	S 10	MUC	SL max 156m
MSM17/254-10	T8-3	09.02.2011	00:52	23° 0,00' S	13° 40,00' E	154.1	S 12	MUC	SL max 160m
MSM17/254-11	T8-3	09.02.2011	01:25	23° 0,00' S	13° 40,00' E	155.4	S 12	MUC	SL max 158m
MSM17/255-1	MSS-09	09.02.2011	02:22	22° 59,96' S	13° 44,96' E	150.9	S 11	MSS	
MSM17/256-1	MSS10	09.02.2011	04:12	23° 0,26' S	13° 50,05' E	148.3	SSE 9	MSS	
MSM17/257-1	MSS-11	09.02.2011	04:56	22° 59,96' S	13° 54,99' E	150.6	SSE 9	MSS	
MSM17/258-1	T8-4a	09.02.2011	06:12	23° 0,00' S	13° 57,96' E	146.7	S 6	CTD/RO	SL max. 133 m
MSM17/258-2	T8-4a	09.02.2011	06:29	22° 59,90' S	13° 57,92' E	146.3	S 5	MOORST	Hydrophon zu Wasser ausgelöst
MSM17/258-2	T8-4a	09.02.2011	06:34	22° 59,90' S	13° 57,93' E	0.0	SSE 6	MOORST	gesichtet
MSM17/258-2	T8-4a	09.02.2011	06:37	22° 59,88' S	13° 57,91' E	0.0	SSE 7	MOORST	
MSM17/258-2	T8-4a	09.02.2011	06:52	22° 59,94' S	13° 57,93' E	145.2	SSW 6	MOORST	Kopfboje an Deck
MSM17/258-2	T8-4a	09.02.2011	07:05	23° 0,14' S	13° 58,04' E	142.8	SSW 6	MOORST	Spule mit Fallschirm a/D
MSM17/258-2	T8-4a	09.02.2011	07:08	23° 0,23' S	13° 58,05' E	142.6	SSW 5	MOORST	3 Microcats an Deck
MSM17/258-2	T8-4a	09.02.2011	07:13	23° 0,38' S	13° 58,07' E	144.3	SSW 6	MOORST	Workhorse an Deck
MSM17/259-1	MSS12	09.02.2011	07:45	23° 0,01' S	14° 0,00' E	141.0	SSW 6	MSS	FdW 0,5 Kn
MSM17/260-1	T8-4	09.02.2011	09:11	22° 59,99' S	14° 2,99' E	139.1	SSW 7	CTD/RO	SL max. 125 m
MSM17/260-2	T8-4	09.02.2011	09:22	22° 59,99' S	14° 3,00' E	136.4	SW 7	SD	
MSM17/260-3	T8-4	09.02.2011	09:24	22° 59,99' S	14° 3,00' E	135.3	SW 7	PLA	
MSM17/260-4	T8-4	09.02.2011	09:34	23° 0,13' S	14° 3,01' E	136.1	SSW 7	MN	FdW 2 Kn
MSM17/260-4	T8-4	09.02.2011	09:43	23° 0,37' S	14° 3,05' E	136.6	SSW 6	MN	SL max. 155 m
MSM17/260-5	T8-4	09.02.2011	10:10	23° 0,97' S	14° 3,06' E	137.7	S 6	MN	vertikal
MSM17/260-5	T8-4	09.02.2011	10:15	23° 0,97' S	14° 3,06' E	136.9	S 6	MN	SL max 100m

Station#	Station#	Date	Time	Position	Position	Depth	Wind	Gear	Comment
Merian	GENUS		[UTC]	Lat	Lon	[m]	[m/s]	Abbreviation	
MSM17/260-6	T8-4	09.02.2011	10:38	23° 1,43' S	14° 3,06' E	136.8	SSW 5	MOCN	SL max 85m
MSM17/261-1	MSS-13	09.02.2011	11:27	22° 59,88' S	14° 5,16' E	137.9	SSW 6	MSS	FdW 0,5kn
MSM17/262-1	MSS-14	09.02.2011	12:29	23° 0,00' S	14° 9,96' E	122.2	SSW 7	MSS	FdW 0,5kn
MSM17/263-1	MSS-15	09.02.2011	13:42	22° 59,98' S	14° 15,00' E	105.8	SSW 7	MSS	FdW 0,5kn
MSM17/264-1	T8-5	09.02.2011	14:55	22° 59,98' S	14° 20,01' E	66.4	SSW 9	CTD/RO	SI max. 58m
MSM17/264-2	T8-5	09.02.2011	15:02	22° 59,98' S	14° 20,02' E	66.4	SSW 9	PLA	
MSM17/264-3	T8-5	09.02.2011	15:04	22° 59,98' S	14° 20,02' E	65.9	SSW 9	APSN	
MSM17/264-4	T8-5	09.02.2011	15:09	22° 59,98' S	14° 20,02' E	67.6	SSW 8	SD	
MSM17/264-5	T8-5	09.02.2011	15:12	22° 59,98' S	14° 20,02' E	67.3	SSW 8	MN	vertikal gefahren
MSM17/264-5	T8-5	09.02.2011	15:14	22° 59,98' S	14° 20,02' E	66.8	SSW 8	MN	SI max. 49m
MSM17/264-6	T8-5	09.02.2011	15:28	22° 59,98' S	14° 20,02' E	65.7	S 7	MUC	SI max. 68m
MSM17/264-7	T8-5	09.02.2011	15:39	23° 0,04' S	14° 19,99' E	66.4	SSW 8	MN	FdW 2Kn
MSM17/264-7	T8-5	09.02.2011	15:42	23° 0,14' S	14° 19,96' E	67.8	SSW 7	MN	SI max. 61m
MSM17/264-8	T8-5	09.02.2011	16:17	23° 0,65' S	14° 19,79' E	67.5	SSW 6	MSS	
MSM17/265-1	MSS-16	09.02.2011	16:59	23° 0,06' S	14° 22,96' E	40.2	SSW 5	MSS	
MSM17/266-1	Drifter	10.02.2011	17:54	22° 42,25' S	13° 28,34' E	240.5	S 10	TD	gesichtet
MSM17/266-1	Drifter	10.02.2011	19:05	22° 41,37' S	13° 28,75' E	233.9	S 9	TD	Melo und Spiere an Deck
MSM17/266-1	Drifter	10.02.2011	19:10	22° 41,29' S	13° 28,86' E	231.0	S 11	TD	2 Seacats, Holey sock und Driftsack an Deck
MSM17/266-1	Drifter	10.02.2011	19:16	22° 41,20' S	13° 29,01' E	230.6	S 11	TD	Sinkstofffalle an Deck
MSM17/266-2	Drifter	10.02.2011	20:14	22° 42,12' S	13° 27,62' E	247.7	S 9	CTD/RO	SL max. 240 m
MSM17/266-3	Drifter	10.02.2011	20:39	22° 42,12' S	13° 27,65' E	247.4	S 7	PLA	
MSM17/266-4	Drifter	10.02.2011	20:40	22° 42,12' S	13° 27,65' E	247.2	S 7	D-NET	
MSM17/266-5	Drifter	10.02.2011	20:55	22° 42,15' S	13° 27,66' E	250.3	S 7	MSS	FdW 0,5 Kn
MSM17/266-6	Drifter	10.02.2011	21:46	22° 42,59' S	13° 27,71' E	248.0	S 9	MN	FdW 2 Kn
MSM17/266-6	Drifter	10.02.2011	21:57	22° 42,95' S	13° 27,75' E	248.8	S 10	MN	SL max 272m
MSM17/266-7	Drifter	10.02.2011	22:32	22° 44,06' S	13° 27,91' E	250.1	S 8	MOCN	FdW 2 kn
MSM17/266-7	Drifter	10.02.2011	22:56	22° 44,84' S	13° 28,04' E	250.3	S 8	MOCN	SL max 368m
MSM17/266-8	Drifter	10.02.2011	23:52	22° 45,90' S	13° 28,08' E	255.7	SSE 8	MUC	SL max 257m
MSM17/267-1	WKT-1	11.02.2011	04:02	22° 0,01' S	13° 9,99' E	211.1	S 8	CTD/RO	SI max. 201m
MSM17/267-2	WKT-2	11.02.2011	04:25	22° 0,01' S	13° 10,00' E	211.5	SSE 7	D-NET	
MSM17/267-3	WKT-3	11.02.2011	04:40	22° 0,05' S	13° 10,02' E	211.3	SSE 9	MN	FdW 2Kn
MSM17/267-3	WKT-4	11.02.2011	04:51	22° 0,35' S	13° 10,22' E	211.1	SSE 8	MN	SI max. 262m
MSM17/267-4	WKT-5	11.02.2011	05:35	22° 1,16' S	13° 10,78' E	211.3	SSE 9	MUC	SI max.210m
MSM17/268-1	T7-5	11.02.2011	11:04	21° 0,59' S	13° 29,78' E	0.0	S 6	CTD/RO	SL max 12m
MSM17/268-2	T7-5	11.02.2011	11:11	21° 0,60' S	13° 29,77' E	0.0	S 6	APSN	
MSM17/268-3	T7-5	11.02.2011	11:20	21° 0,60' S	13° 29,78' E	0.0	S 6	D-NET	
MSM17/268-4	T7-5	11.02.2011	11:31	21° 0,60' S	13° 29,78' E	0.0	SSE 6	MSS	FdW 0,5kn
MSM17/268-5	T7-5	11.02.2011	11:51	21° 0,80' S	13° 29,66' E	20.4	SSE 6	MN	FdW 2kn
MSM17/268-5	T7-5	11.02.2011	11:52	21° 0,82' S	13° 29,64' E	0.0	SSE 6	MN	SI max 15m
MSM17/268-6	T7-5	11.02.2011	12:14	21° 1,35' S	13° 29,31' E	0.0	SSE 7	TT	FdW 2kn
MSM17/268-6	T7-5	11.02.2011	12:16	21° 1,42' S	13° 29,27' E	0.0	SSE 6	TT	SL max 10m
MSM17/268-7	T7-5	11.02.2011	12:35	21° 1,90' S	13° 29,97' E	0.0	SSE 6	TT	FdW 2kn
MSM17/268-7	T7-5	11.02.2011	12:39	21° 2,02' S	13° 28,91' E	31.5	SSE 6	TT	SL max 10m
MSM17/268-8	T7-5	11.02.2011	13:15	21° 1,75' S	13° 29,18' E	27.4	SSE 7	MUC	SL max 31m
MSM17/268-9	T7-5	11.02.2011	13:30	21° 1,75' S	13° 29,18' E	29.4	S 7	MUC	SL max 33m
MSM17/268-10	T7-5	11.02.2011	13:47	21° 1,75' S	13° 29,18' E	26.7	S 7	MUC	SL max 32m
MSM17/269-1	T7-4	11.02.2011	14:55	20° 59,98' S	13° 20,00' E	95.2	SSE 8	CTD/RO	SI max. 86m
MSM17/269-2	T7-4	11.02.2011	15:09	20° 59,98' S	13° 20,00' E	97.4	S 9	APSN	
MSM17/269-3	T7-4	11.02.2011	15:15	20° 59,98' S	13° 20,00' E	98.7	SSE 8	D-NET	
MSM17/269-4	T7-4	11.02.2011	15:24	20° 59,98' S	13° 20,00' E	96.9	S 8	MN	vertikal gefahren
MSM17/269-4	T7-4	11.02.2011	15:29	20° 59,98' S	13° 20,00' E	97.7	SSE 7	MN	SI max. 79m
MSM17/269-5	T7-4	11.02.2011	15:44	20° 59,98' S	13° 20,00' E	95.4	S 7	MUC	SI max. 97m
MSM17/269-6	T7-4	11.02.2011	16:12	20° 59,98' S	13° 20,00' E	95.2	SSE 8	MUC	SL max. 94 m
MSM17/269-7	T7-4	11.02.2011	16:22	21° 0,01' S	13° 20,01' E	95.1	SSE 9	MSS	FdW 0,5 Kn
MSM17/269-8	T7-4	11.02.2011	16:48	21° 0,28' S	13° 20,08' E	95.5	SSE 8	MN	FdW 2Kn
MSM17/269-8	T7-4	11.02.2011	16:52	21° 0,40' S	13° 20,11' E	95.8	SSE 9	MN	SI max. 105m
MSM17/269-9	T7-4	11.02.2011	17:07	21° 0,85' S	13° 20,28' E	96.0	SSE 9	TT	FdW 2Kn
MSM17/269-9	T7-4	11.02.2011	17:14	21° 1,06' S	13° 20,36' E	96.8	SSE 8	TT	SL max. 40m
MSM17/270-1	T7-3	11.02.2011	18:43	20° 59,95' S	13° 10,03' E	125.8	S 7	CTD/RO	SL max. 118 m
MSM17/270-2	T7-3	11.02.2011	18:58	20° 59,95' S	13° 10,04' E	126.2	SSE 7	APSN	
MSM17/270-3	T7-3	11.02.2011	19:07	20° 59,94' S	13° 10,06' E	125.4	SSE 7	D-NET	
MSM17/270-4	T7-3	11.02.2011	19:20	20° 59,93' S	13° 10,05' E	125.5	SSE 7	MUC	SL max. 128 m
MSM17/270-5	T7-3	11.02.2011	19:30	20° 59,94' S	13° 10,06' E	125.5	SE 6	MSS	FdW 0,5 Kn
MSM17/270-6	T7-3	11.02.2011	20:35	21° 0,44' S	13° 10,40' E	125.8	SSE 4	MN	FdW 2 Kn
MSM17/270-6	T7-3	11.02.2011	20:40	21° 0,56' S	13° 10,51' E	124.9	SSE 4	MN	SL max. 157 m
MSM17/270-7	T7-3	11.02.2011	21:08	21° 1,18' S	13° 11,13' E	124.5	SSE 3	TT	FdW 2 Kn
MSM17/270-7	T7-3	11.02.2011	21:11	21° 1,27' S	13° 11,19' E	126.6	SSE 2	TT	SL max. 50 m
MSM17/270-8	T7-3	11.02.2011	21:24	21° 1,66' S	13° 11,45' E	130.4	SSE 3	TT	FdW 2 Kn
MSM17/270-8	T7-3	11.02.2011	21:29	21° 1,81' S	13° 11,55' E	127.3	S 3	TT	SL max. 50 m
MSM17/271-1	T7-2	11.02.2011	23:54	20° 59,99' S	12° 50,03' E	300.2	S 3	CTD/RO	SL max 292m
MSM17/271-2	T7-2	12.02.2011	00:08	20° 59,96' S	12° 50,06' E	301.6	S 3	APSN	
MSM17/271-3	T7-2	12.02.2011	00:14	20° 59,96' S	12° 50,06' E	299.2	S 3	D-NET	

Station#	Station#	Date	Time	Position	Position	Depth	Wind	Gear	Comment
Merian	GENUS		[UTC]	Lat	Lon	[m]	[m/s]	Abbreviation	
MSM17/271-4	T7-2	12.02.2011	00:27	20° 59,96' S	12° 50,06' E	299.7	S 2	MN	vertikal gefahren
MSM17/271-4	T7-2	12.02.2011	00:37	20° 59,96' S	12° 50,06' E	300.0	S 3	MN	SL max. 286 m
MSM17/271-5	T7-2	12.02.2011	01:00	20° 59,99' S	12° 50,01' E	302.0	SSE 3	MUC	SL max 303m
MSM17/271-6	T7-2	12.02.2011	01:13	21° 0,01' S	12° 50,02' E	300.0	SSE 4	MSS	FdW 0,5kn
MSM17/271-7	T7-2	12.02.2011	02:07	21° 0,46' S	12° 50,10' E	302.4	SSE 4	MN	FdW 2Kn
MSM17/271-7	T7-2	12.02.2011	02:20	21° 0,87' S	12° 50,21' E	301.7	SSE 3	MN	SI max. 273m
MSM17/271-8	T7-2	12.02.2011	02:52	21° 1,94' S	12° 50,50' E	301.9	S 4	MN	FdW 2Kn
MSM17/271-8	T7-2	12.02.2011	02:57	21° 2,11' S	12° 50,55' E	307.0	S 4	MN	SI max. 136m
MSM17/271-9	T7-2	12.02.2011	03:24	21° 2,89' S	12° 50,87' E	0.0	SSE 4	MOCN	FdW 2Kn
MSM17/271-9	T7-2	12.02.2011	03:43	21° 3,41' S	12° 51,29' E	299.8	S 5	MOCN	SI max. 411m
MSM17/271-10	T7-2	12.02.2011	04:32	21° 4,73' S	12° 52,32' E	296.0	S 6	MOCN	FdW 2Kn
MSM17/271-10	T7-2	12.02.2011	04:40	21° 4,94' S	12° 52,49' E	294.8	S 6	MOCN	SI max. 175m
MSM17/272-1	T7-1	12.02.2011	07:20	21° 0,05' S	12° 29,99' E	434.3	SSE 7	CTD/RO	SL max. 424 m
MSM17/272-2	T7-1	12.02.2011	07:34	21° 0,05' S	12° 29,98' E	434.0	SE 7	APSN	
MSM17/272-3	T7-1	12.02.2011	08:01	21° 0,05' S	12° 29,99' E	435.2	SE 6	CTD/RO	SL max. 60 m
MSM17/272-4	T7-1	12.02.2011	08:11	21° 0,05' S	12° 30,02' E	432.3	SE 6	MSS	FdW 0,5 Kn
MSM17/272-5	T7-1	12.02.2011	09:11	21° 0,40' S	12° 30,33' E	431.6	SE 6	MN	vertikal gefahren
MSM17/272-5	T7-1	12.02.2011	09:25	21° 0,40' S	12° 30,33' E	430.2	SE 6	MN	SL max. 397 m
MSM17/272-6	T7-1	12.02.2011	09:48	21° 0,40' S	12° 30,33' E	431.0	SSE 6	MN	vertikal gefahren
MSM17/272-6	T7-1	12.02.2011	09:53	21° 0,40' S	12° 30,33' E	432.6	SSE 6	MN	SL max. 97 m
MSM17/272-7	T7-1	12.02.2011	10:30	21° 0,00' S	12° 30,00' E	431.9	SSE 6	MUC	SL max 434m
MSM17/272-8	T7-1	12.02.2011	10:46	21° 0,11' S	12° 30,04' E	432.9	SSE 7	MOCN	FdW 2kn
MSM17/272-8	T7-1	12.02.2011	11:11	21° 0,85' S	12° 30,44' E	434.2	SSE 7	MOCN	SL max 631m
MSM17/273-1		12.02.2011	14:08	20° 46,12' S	12° 20,64' E	405.1	SSE 10	ROV	Teststation
MSM17/273-1		12.02.2011	14:13	20° 46,12' S	12° 20,64' E	401.7	SSE 10	ROV	Kranausbringung korrigiert
MSM17/273-1		12.02.2011	14:35	20° 46,08' S	12° 20,80' E	405.8	SSE 8	ROV	SI max. 85m
MSM17/274-1	T6-1	12.02.2011	19:42	19° 59,93' S	11° 49,99' E	412.2	SSE 11	CTD/RO	SL max. 402 m
MSM17/274-2	T6-1	12.02.2011	19:58	19° 59,90' S	11° 50,04' E	412.2	SSE 12	D-NET	
MSM17/274-3	T6-1	12.02.2011	20:11	19° 59,92' S	11° 50,04' E	409.9	SSE 12	MSS	FdW 0,5 Kn
MSM17/274-4	T6-1	12.02.2011	21:08	20° 0,33' S	11° 50,21' E	410.9	SSE 11	MN	vertikal gefahren
MSM17/274-4	T6-1	12.02.2011	21:22	20° 0,33' S	11° 50,21' E	411.8	SSE 11	MN	SL max. 383 m
MSM17/274-5	T6-1	12.02.2011	21:43	20° 0,33' S	11° 50,21' E	410.4	SSE 11	MN	vertikal gefahren
MSM17/274-5	T6-1	12.02.2011	21:48	20° 0,33' S	11° 50,21' E	411.0	SSE 11	MN	SL max. 92 m
MSM17/274-6	T6-1	12.02.2011	22:25	20° 0,00' S	11° 50,00' E	413.5	SE 9	MUC	SL max 415m
MSM17/274-7	T6-1	12.02.2011	22:44	20° 0,14' S	11° 50,15' E	411.1	SE 9	MOCN	FdW 2kn
MSM17/274-7	T6-1	12.02.2011	23:07	20° 0,64' S	11° 50,76' E	406.2	SE 8	MOCN	SL max 623m
MSM17/275-1	T6-2	13.02.2011	01:44	20° 0,00' S	12° 9,96' E	278.8	SE 6	CTD/RO	SL max 270m
MSM17/275-2	T6-2	13.02.2011	01:52	19° 59,98' S	12° 9,93' E	278.6	SE 6	D-NET	
MSM17/275-3	T6-2	13.02.2011	02:03	19° 59,99' S	12° 9,96' E	279.2	SSE 7	MSS	FdW 0,5Kn
MSM17/275-4	T6-2	13.02.2011	03:01	20° 0,32' S	12° 10,24' E	280.1	SE 6	MN	vertikal gefahren
MSM17/275-4	T6-2	13.02.2011	03:11	20° 0,32' S	12° 10,24' E	278.5	SSE 8	MN	SI max. 199m
MSM17/275-5	T6-2	13.02.2011	03:48	20° 0,00' S	12° 10,01' E	278.6	SSE 7	MUC	SL max. 280m
MSM17/275-6	T6-2	13.02.2011	04:10	20° 0,26' S	12° 10,31' E	278.0	SSE 8	MN	FdW 2Kn
MSM17/275-6	T6-2	13.02.2011	04:20	20° 0,45' S	12° 10,57' E	278.9	SSE 7	MN	SI max. 259m
MSM17/275-7	T6-2	13.02.2011	05:03	20° 1,25' S	12° 11,75' E	270.9	SSE 7	TT	SI max. 60m
MSM17/276-1	T6-3	13.02.2011	07:06	19° 59,98' S	12° 29,97' E	155.6	SSE 7	CTD/RO	SL max. 147 m
MSM17/276-2	T6-3	13.02.2011	07:17	19° 59,97' S	12° 30,00' E	149.7	SSE 7	D-NET	
MSM17/276-3	T6-3	13.02.2011	07:30	20° 0,00' S	12° 30,04' E	155.1	SSE 7	MSS	FdW 0,5 Kn
MSM17/276-4	T6-3	13.02.2011	08:09	20° 0,25' S	12° 30,16' E	156.2	SSE 7	MN	vertikal gefahren
MSM17/276-4	T6-3	13.02.2011	08:14	20° 0,25' S	12° 30,16' E	155.3	SSE 8	MN	SL max. 138 m
MSM17/276-5	T6-3	13.02.2011	08:41	20° 0,00' S	12° 30,00' E	157.9	SSE 8	MUC	SL max. 159 m
MSM17/276-6	T6-3	13.02.2011	08:55	20° 0,09' S	12° 30,05' E	154.7	SSE 8	MN	FdW 2 Kn
MSM17/276-6	T6-3	13.02.2011	09:01	20° 0,24' S	12° 30,18' E	155.7	SSE 8	MN	SL max. 181 m
MSM17/276-7	T6-3	13.02.2011	09:25	20° 0,91' S	12° 30,70' E	156.3	SSE 8	TT	FdW 2 Kn
MSM17/276-7	T6-3	13.02.2011	09:30	20° 1,06' S	12° 30,81' E	154.1	SSE 7	TT	SL max. 30 m
MSM17/276-8	T6-3	13.02.2011	09:38	20° 1,31' S	12° 30,98' E	154.2	SSE 7	TT	FdW 2 Kn
MSM17/276-8	T6-3	13.02.2011	09:41	20° 1,39' S	12° 31,04' E	156.1	SSE 7	TT	SL max. 30 m
MSM17/277-1	T6-4	13.02.2011	11:43	19° 59,99' S	12° 50,01' E	109.6	S 8	CTD/RO	SL max 95m
MSM17/277-2	T6-4	13.02.2011	11:52	19° 59,99' S	12° 50,00' E	104.0	S 9	D-NET	
MSM17/277-3	T6-4	13.02.2011	12:03	19° 59,96' S	12° 49,96' E	104.2	S 9	MSS	FdW 0,5kn
MSM17/277-4	T6-4	13.02.2011	12:51	20° 0,00' S	12° 50,00' E	104.2	S 10	MUC	SL max 104m
MSM17/277-5	T6-4	13.02.2011	13:00	20° 0,09' S	12° 50,00' E	105.5	S 8	MN	FdW 2kn
MSM17/277-5	T6-4	13.02.2011	13:04	20° 0,21' S	12° 50,01' E	104.5	S 10	MN	SL max 100m
MSM17/277-6	T6-4	13.02.2011	13:24	20° 0,88' S	12° 50,15' E	109.7	S 10	TT	FdW 2kn
MSM17/277-6	T6-4	13.02.2011	13:29	20° 1,04' S	12° 50,18' E	114.7	S 9	TT	SL max 30m
MSM17/277-7	T6-4	13.02.2011	13:36	20° 1,28' S	12° 50,22' E	110.0	S 9	TT	FdW 2kn
MSM17/277-7	T6-4	13.02.2011	13:39	20° 1,37' S	12° 50,24' E	108.8	S 9	TT	SL max. 30m
MSM17/277-8	T6-4	13.02.2011	13:48	20° 1,67' S	12° 50,29' E	110.2	S 8	TT	SL max 30m
MSM17/277-9	T6-4	13.02.2011	14:20	20° 1,98' S	12° 50,42' E	110.2	S 10	ROV	Dummy & Transponder z/W
MSM17/277-9	T6-4	13.02.2011	14:41	20° 1,91' S	12° 50,53' E	110.1	S 10	ROV	Dummy auf 80m
MSM17/277-9	T6-4	13.02.2011	14:49	20° 1,92' S	12° 50,54' E	108.3	S 10	ROV	101m
MSM17/278-1	T6-5	13.02.2011	16:51	20° 0,00' S	13° 0,00' E	0.0	SSE 6	CTD/RO	SI max. 26m

Station#	Station#	Date	Time	Position	Position	Depth	Wind	Gear	Comment
Merian	GENUS		[UTC]	Lat	Lon	[m]	[m/s]	Abbreviation	
MSM17/278-2	T6-5	13.02.2011	16:59	20° 0,00' S	13° 0,00' E	34.7	SSE 6	D-NET	
MSM17/278-3	T6-5	13.02.2011	17:11	20° 0,00' S	13° 0,00' E	34.4	SSE 6	MSS	FdW 0,5Kn
MSM17/278-4	T6-5	13.02.2011	17:35	20° 0,00' S	13° 0,00' E	0.0	SE 7	MUC	SI max. 35m
MSM17/278-5	T6-5	13.02.2011	17:41	20° 0,00' S	13° 0,00' E	0.0	SSE 7	MN	FdW 2 kn
MSM17/278-5	T6-5	13.02.2011	17:47	20° 0,13' S	13° 0,02' E	34.9	SSE 7	MN	SL max. 30 m
MSM17/278-6	T6-5	13.02.2011	18:02	20° 0,59' S	13° 0,14' E	35.1	S 7	TT	FdW 2 kn
MSM17/278-6	T6-5	13.02.2011	18:04	20° 0,66' S	13° 0,15' E	35.4	SSE 7	TT	SL max. 20 m
MSM17/279-1	T5-5	14.02.2011	00:11	18° 59,97' S	12° 27,00' E	38.4	SE 5	CTD/RO	SL max 30m
MSM17/279-2	T5-5	14.02.2011	00:15	18° 59,98' S	12° 27,01' E	39.2	SE 5	D-NET	
MSM17/279-3	T5-5	14.02.2011	00:22	18° 59,96' S	12° 27,00' E	38.7	SSE 6	APSN	
MSM17/279-4	T5-5	14.02.2011	00:31	18° 59,98' S	12° 27,01' E	75.1	SE 6	MSS	FdW 0,5kn
MSM17/279-5	T5-5	14.02.2011	00:51	19° 0,08' S	12° 27,05' E	75.2	SE 6	MUC	SL max 40m
MSM17/279-6	T5-5	14.02.2011	01:01	19° 0,08' S	12° 27,05' E	39.6	SE 5	MUC	SL max 38m
MSM17/279-7	T5-5	14.02.2011	01:11	19° 0,19' S	12° 27,08' E	39.3	SE 5	MN	FdW 2kn
MSM17/279-7	T5-5	14.02.2011	01:12	19° 0,22' S	12° 27,10' E	0.0	SSE 5	MN	SL max 30m
MSM17/280-1	T5-4	14.02.2011	01:47	18° 59,95' S	12° 24,96' E	62.9	SE 5	MSS	FdW 0,5kn
MSM17/281-1	T5-3	14.02.2011	03:11	19° 0,08' S	12° 20,14' E	97.5	ESE 4	CTD/RO	SL max. 91 m
MSM17/282-1	T5-4	14.02.2011	04:34	18° 59,97' S	12° 15,00' E	113.5	ESE 5	CTD/RO	SI max. 104m
MSM17/282-2	T5-4	14.02.2011	04:39	18° 59,97' S	12° 15,00' E	113.1	ESE 5	D-NET	
MSM17/282-3	T5-4	14.02.2011	04:44	18° 59,97' S	12° 15,00' E	114.7	ESE 4	APSN	
MSM17/282-4	T5-4	14.02.2011	04:54	18° 59,98' S	12° 15,02' E	112.8	ESE 5	MSS	
MSM17/282-5	T5-4	14.02.2011	05:26	19° 0,12' S	12° 15,21' E	112.5	SE 4	MN	vertikal gefahren
MSM17/282-5	T5-4	14.02.2011	05:29	19° 0,12' S	12° 15,21' E	112.4	SE 4	MN	SI max. 99m
MSM17/282-6	T5-4	14.02.2011	05:44	19° 0,19' S	12° 15,32' E	112.6	ESE 4	MN	FdW 2 Kn
MSM17/282-6	T5-4	14.02.2011	05:49	19° 0,27' S	12° 15,47' E	0.0	SE 4	MN	SI max. 124m
MSM17/282-7	T5-4	14.02.2011	06:13	19° 0,63' S	12° 16,22' E	111.3	SE 4	TT	FdW 2 Kn
MSM17/282-7	T5-4	14.02.2011	06:16	19° 0,67' S	12° 16,31' E	111.1	SE 4	TT	SL max. 40 m
MSM17/282-8	T5-4	14.02.2011	06:24	19° 0,79' S	12° 16,55' E	111.3	SE 4	TT	FdW 2 Kn
MSM17/282-8	T5-4	14.02.2011	06:26	19° 0,82' S	12° 16,61' E	111.6	SE 4	TT	SL max. 30 m
MSM17/282-9	T5-4	14.02.2011	07:10	18° 59,91' S	12° 15,05' E	112.4	SE 4	ROV	Dummy & Transponder z/W
MSM17/282-9	T5-4	14.02.2011	07:26	18° 59,87' S	12° 15,12' E	113.8	ESE 3	ROV	Dummy auf 95 m
MSM17/282-9	T5-4	14.02.2011	07:32	18° 59,90' S	12° 15,11' E	113.5	ESE 3	ROV	110 m
MSM17/283-1	MSS-19	14.02.2011	10:10	19° 0,02' S	12° 10,04' E	130.6	SE 1	MSS	FdW 0,5kn
MSM17/285-1	T5-3	14.02.2011	12:53	19° 0,00' S	11° 59,95' E	210.9	S 5	CTD/RO	SL max 202m
MSM17/285-2	T5-3	14.02.2011	13:01	19° 0,00' S	11° 59,96' E	210.5	S 5	D-NET	
MSM17/285-3	T5-3	14.02.2011	13:09	18° 59,97' S	11° 59,94' E	211.2	S 5	APSN	
MSM17/285-4	T5-3	14.02.2011	13:29	18° 59,98' S	12° 0,03' E	210.4	SSW 6	CTD/RO	SL max 50m
MSM17/285-5	T5-3	14.02.2011	13:42	18° 59,98' S	12° 0,06' E	209.6	S 5	MN	vertikal
MSM17/285-5	T5-3	14.02.2011	13:48	18° 59,98' S	12° 0,06' E	210.2	S 5	MN	SI max 174m
MSM17/285-6	T5-3	14.02.2011	14:07	18° 59,98' S	12° 0,06' E	209.4	S 4	MN	vertikal
MSM17/285-6	T5-3	14.02.2011	14:09	18° 59,98' S	12° 0,06' E	209.3	S 4	MN	SI max. 65m
MSM17/285-7	T5-3	14.02.2011	14:23	19° 0,14' S	12° 0,10' E	209.7	SSW 3	MOC-D	FdW 2 Kn
MSM17/285-7	T5-3	14.02.2011	14:41	19° 0,73' S	12° 0,14' E	214.0	SSE 2	MOC-D	SI max. 240m
MSM17/285-8	T5-3	14.02.2011	15:08	19° 1,29' S	12° 0,18' E	214.8	SSE 4	MSS	FdW 0,5 Kn
MSM17/285-9	T5-3	15.02.2011	03:06	19° 0,10' S	12° 0,02' E	210.8	SSW 6	MOC-D	FdW 2 Kn
MSM17/285-9	T5-3	15.02.2011	03:22	19° 0,61' S	12° 0,11' E	213.3	SSE 5	MOC-D	SI max. 237m
MSM17/285-10	T5-3	15.02.2011	03:42	19° 1,20' S	12° 0,21' E	215.0	S 4	MSS	
MSM17/285-11	T5-3	15.02.2011	04:37	19° 1,71' S	12° 0,31' E	215.7	SW 5	MN	FdW 2 Kn
MSM17/285-11	T5-3	15.02.2011	04:48	19° 2,06' S	12° 0,40' E	217.1	SW 4	MN	SI max. 250m
MSM17/285-12	T5-3	15.02.2011	05:22	19° 3,00' S	12° 0,71' E	217.7	SW 1	TT	SI max. 50m
MSM17/285-13	T5-3	15.02.2011	05:38	19° 3,42' S	12° 1,00' E	223.9	SW 2	TT	SI max. 50m
MSM17/285-14	T5-3	15.02.2011	05:50	19° 3,71' S	12° 1,21' E	217.1	SW 1	TT	SI max. 50m
MSM17/285-15	T5-3	15.02.2011	07:05	18° 59,95' S	12° 0,05' E	209.1	SW 2	ROV	Dummy & Transponder z/W
MSM17/285-15	T5-3	15.02.2011	07:22	18° 59,95' S	12° 0,14' E	211.4	SSW 2	ROV	Dummy auf 194 m
MSM17/285-15	T5-3	15.02.2011	07:25	18° 59,95' S	12° 0,15' E	209.4	SSW 2	ROV	205 m
MSM17/285-16	T5-3	15.02.2011	10:32	19° 0,29' S	12° 0,61' E	209.1	ESE 6	MOCN	FdW 2kn
MSM17/285-16	T5-3	15.02.2011	10:46	19° 0,66' S	12° 0,88' E	208.7	SE 5	MOCN	SL max 271m
MSM17/286-1	MSS-21	15.02.2011	12:07	19° 0,00' S	11° 55,00' E	248.7	S 4	MSS	FdW 0,5kn
MSM17/287-1	MSS-22	15.02.2011	13:42	19° 0,01' S	11° 50,00' E	275.3	SSE 5	MSS	FdW 0,5kn
MSM17/288-1	MSS-23	15.02.2011	15:12	18° 59,99' S	11° 44,98' E	302.4	SE 4	MSS	FdW 0,5 Kn
MSM17/289-1	MSS-24	15.02.2011	16:44	18° 59,97' S	11° 39,99' E	303.8	SSE 5	MSS	FdW 0,5 Kn
MSM17/290-1	MSS-25	15.02.2011	18:14	18° 59,97' S	11° 34,95' E	279.1	SE 3	MSS	FdW 0,5 Kn
MSM17/291-1	MSS-26	15.02.2011	19:42	18° 59,99' S	11° 29,99' E	299.9	SSE 3	MSS	FdW 2 Kn
MSM17/292-1	T5-2	15.02.2011	21:32	18° 59,98' S	11° 26,02' E	417.6	SSE 3	CTD/RO	SL max. 411 m
MSM17/292-2	T5-2	15.02.2011	21:45	18° 59,95' S	11° 26,06' E	417.4	SSE 3	D-NET	
MSM17/292-3	T5-2	15.02.2011	21:53	18° 59,94' S	11° 26,07' E	416.5	SE 3	APSN	
MSM17/292-4	T5-2	15.02.2011	22:10	18° 59,93' S	11° 26,07' E	417.9	S 4	CTD/RO	SL max 60m
MSM17/292-5	T5-2	15.02.2011	22:16	18° 59,93' S	11° 26,08' E	418.6	SSE 4	MSS	FdW 0,5 Kn
MSM17/292-6	T5-2	15.02.2011	23:30	19° 0,50' S	11° 26,23' E	414.1	S 5	MN	vertikal
MSM17/292-6	T5-2	15.02.2011	23:42	19° 0,50' S	11° 26,22' E	414.7	SSE 7	MN	SL max 372m
MSM17/292-7	T5-2	16.02.2011	00:05	19° 0,51' S	11° 26,23' E	416.7	SSE 7	MN	vertikal

Station#	Station#	Date	Time	Position	Position	Depth	Wind	Gear	Comment
Merian	GENUS		[UTC]	Lat	Lon	[m]	[m/s]	Abbreviation	
MSM17/292-7	T5-2	16.02.2011	00:09	19° 0,50' S	11° 26,23' E	413,4	S 6	MN	SL max 98m
MSM17/292-8	T5-2	16.02.2011	00:37	19° 0,00' S	11° 26,00' E	418,5	SSE 7	MUC	SL max 425m
MSM17/292-9	T5-2	16.02.2011	01:00	19° 0,11' S	11° 26,02' E	422,0	SSE 8	MOC-D	FdW 2kn
MSM17/292-9	T5-2	16.02.2011	01:34	19° 1,15' S	11° 26,47' E	407,5	SSE 7	MOC-D	SL max 685m
MSM17/292-10	T5-2	16.02.2011	02:20	19° 2,14' S	11° 27,05' E	393,4	SSE 6	MN	FdW 2 Kn
MSM17/292-10	T5-2	16.02.2011	02:31	19° 2,44' S	11° 27,28' E	389,6	SSE 7	MN	SI max. 298m
MSM17/292-11	T5-2	16.02.2011	03:02	19° 3,22' S	11° 27,88' E	373,4	S 5	MOCN	FdW 2 Kn
MSM17/292-11	T5-2	16.02.2011	03:28	19° 3,89' S	11° 28,26' E	363,8	SSE 6	MOCN	SI max. 505m
MSM17/293-1	MSS-27	16.02.2011	05:20	18° 59,99' S	11° 20,00' E	602,5	SE 4	MSS	FdW 0,5 kn
MSM17/294-1	MSS-28	16.02.2011	07:24	19° 0,00' S	11° 10,02' E	928,0	SSE 5	MSS	FdW 0,5 Kn
MSM17/295-1	T5-1	16.02.2011	09:56	18° 59,99' S	11° 0,05' E	0,0	SSE 4	CTD/RO	SL max. 1286 m
MSM17/295-2	T5-1	16.02.2011	10:24	18° 59,99' S	11° 0,05' E	1300,4	SSE 3	D-NET	
MSM17/295-3	T5-1	16.02.2011	10:33	18° 59,99' S	11° 0,05' E	1306,5	SSE 3	APSN	
MSM17/295-4	T5-1	16.02.2011	10:51	18° 59,99' S	11° 0,05' E	1309,2	SSE 4	CTD/RO	SL max 60m
MSM17/295-5	T5-1	16.02.2011	11:02	19° 0,00' S	11° 0,03' E	1306,9	S 4	MSS	FdW 0,5kn
MSM17/295-6	T5-1	16.02.2011	12:10	19° 0,71' S	11° 0,17' E	1288,6	SSW 5	MOC-D	FdW 2kn
MSM17/295-6	T5-1	16.02.2011	13:22	19° 3,07' S	11° 0,64' E	1251,3	S 5	MOC-D	SL max 1902m
MSM17/295-7	T5-1	16.02.2011	14:34	19° 5,35' S	11° 1,24' E	1199,5	S 6	MN	vertikal gefahren
MSM17/295-7	T5-1	16.02.2011	15:11	19° 5,35' S	11° 1,24' E	1195,7	SSW 5	MN	SI max. 991m
MSM17/295-8	T5-1	16.02.2011	16:03	19° 5,35' S	11° 1,24' E	1199,1	S 6	MN	SL max. 197 m
MSM17/295-9	T5-1	16.02.2011	17:23	19° 0,00' S	11° 0,00' E	1304,3	SSE 4	MUC	SI amx. 1280m
MSM17/295-10	T5-1	16.02.2011	17:54	19° 0,09' S	11° 0,01' E	1299,5	S 6	MN	FdW 2 Kn
MSM17/295-10	T5-1	16.02.2011	18:03	19° 0,39' S	11° 0,06' E	1295,6	S 6	MN	SI max. 260 m
MSM17/295-11	T5-1	16.02.2011	18:43	19° 1,71' S	11° 0,27' E	1428,6	S 5	MOCN	FdW 2 Kn
MSM17/295-11	T5-1	16.02.2011	19:05	19° 2,44' S	11° 0,39' E	1263,3	SSE 5	MOCN	SI max. 643 m
MSM17/295-12	T5-1	16.02.2011	19:56	19° 4,08' S	11° 0,74' E	1231,5	SSE 6	MOC-D	FdW 2 Kn
MSM17/295-12	T5-1	16.02.2011	21:05	19° 6,09' S	11° 1,90' E	1172,1	SSE 7	MOC-D	SL max. 1752 m
MSM17/296-1	MSS-29	16.02.2011	23:39	18° 59,99' S	10° 49,99' E	1419,5	SSE 6	MSS	FdW 0,5kn
MSM17/297-1	MSS-30	17.02.2011	01:56	18° 59,98' S	10° 40,01' E	1698,6	SE 7	MSS	FdW 0,5kn
MSM17/298-1	T5-1a	17.02.2011	04:41	19° 0,00' S	10° 30,00' E	2077,2	S 5	CTD/RO	SI amx. 2057m
MSM17/298-2	T5-1a	17.02.2011	05:25	19° 0,00' S	10° 30,00' E	2084,8	S 6	D-NET	
MSM17/298-3	T5-1a	17.02.2011	05:36	19° 0,00' S	10° 30,00' E	2103,1	SSW 6	APSN	
MSM17/298-4	T5-1a	17.02.2011	05:56	19° 0,00' S	10° 30,00' E	2079,7	S 7	CTD/RO	SL max. 60 m
MSM17/298-5	T5-1a	17.02.2011	06:06	19° 0,01' S	10° 30,00' E	2062,9	S 6	MSS	FdW 0,5 Kn
MSM17/298-6	T5-1a	17.02.2011	07:09	19° 0,51' S	10° 29,93' E	2062,8	S 9	MN	vertikal gefahren
MSM17/298-6	T5-1a	17.02.2011	07:49	19° 0,51' S	10° 29,93' E	2019,0	SSE 9	MN	SL max. 990 m
MSM17/298-7	T5-1a	17.02.2011	08:37	19° 0,51' S	10° 29,93' E	2059,6	SSE 9	MN	vertikal gefahren
MSM17/298-7	T5-1a	17.02.2011	08:46	19° 0,51' S	10° 29,93' E	2046,5	SSE 9	MN	SL max. 196 m
MSM17/298-8	T5-1a	17.02.2011	11:20	19° 0,06' S	10° 30,02' E	2055,9	SE 6	MOC-D	FdW 2kn
MSM17/298-8	T5-1a	17.02.2011	12:29	19° 2,20' S	10° 30,87' E	1923,3	SE 9	MOC-D	SL max 1836m
MSM17/298-9	T5-1a	17.02.2011	15:07	19° 0,00' S	10° 30,00' E	2081,5	S 8	MUC	SI max. 2069m
MSM17/298-10	T5-1a	17.02.2011	16:41	19° 0,00' S	10° 30,00' E	2076,0	SSE 10	MUC	SI max. 2074m
MSM17/298-11	T5-1a	17.02.2011	17:25	19° 0,03' S	10° 30,01' E	2107,3	SSE 10	MSS	FdW 0,5 Kn
MSM17/298-12	T5-1a	17.02.2011	18:08	19° 0,44' S	10° 30,13' E	2050,0	SSE 9	MOC-D	FdW 2 Kn
MSM17/298-12	T5-1a	17.02.2011	19:22	19° 2,70' S	10° 30,85' E	1905,3	SSE 10	MOC-D	SL max. 1616 m
MSM17/298-13	T5-1a	17.02.2011	20:28	19° 4,45' S	10° 31,80' E	1795,4	SSE 12	MSS	FdW 0,5 Kn
MSM17/298-14	T5-1a	17.02.2011	21:36	19° 4,97' S	10° 32,06' E	1767,4	SSE 11	MSS	FdW 0,5 Kn
MSM17/299-1	WKT-2a	18.02.2011	03:52	18° 29,99' S	11° 24,98' E	444,9	SSE 9	CTD/RO	SI max. 435m
MSM17/299-2	WKT-2a	18.02.2011	04:08	18° 30,00' S	11° 25,00' E	441,6	SE 9	D-NET	
MSM17/299-3	WKT-2a	18.02.2011	04:30	18° 30,04' S	11° 25,02' E	0,0	SE 10	TT	FdW 2 Kn
MSM17/299-3	WKT-2a	18.02.2011	04:34	18° 30,13' S	11° 25,07' E	2184,6	SE 10	TT	SI max. 40m
MSM17/299-4	WKT-2a	18.02.2011	04:45	18° 30,33' S	11° 25,19' E	0,0	SE 9	TT	FdW 2 Kn
MSM17/299-4	WKT-2a	18.02.2011	04:51	18° 30,49' S	11° 25,28' E	2263,4	SE 10	TT	SI max. 50m
MSM17/299-5	WKT-2a	18.02.2011	05:01	18° 30,74' S	11° 25,41' E	1931,3	SE 10	TT	FdW 2 Kn
MSM17/299-5	WKT-2a	18.02.2011	05:03	18° 30,79' S	11° 25,44' E	2220,7	SE 10	TT	SI max. 30m
MSM17/299-6	WKT-2a	18.02.2011	05:51	18° 30,00' S	11° 25,00' E	1951,2	SSE 10	MUC	SI max. 443m
MSM17/299-7	WKT-2a	18.02.2011	06:33	18° 30,00' S	11° 25,00' E	442,1	SE 9	MUC	SL max. 444 m
MSM17/299-8	WKT-2a	18.02.2011	06:48	18° 30,01' S	11° 25,00' E	435,9	SSE 10	MOCN	FdW 2 Kn
MSM17/299-8	WKT-2a	18.02.2011	07:15	18° 30,70' S	11° 25,34' E	418,1	SSE 9	MOCN	SL max. 504 m
MSM17/300-1	WKT-2	18.02.2011	11:30	17° 59,98' S	11° 29,97' E	241,6	SSE 11	CTD/RO	SL max 231m
MSM17/300-2	WKT-2	18.02.2011	11:40	18° 0,00' S	11° 30,00' E	242,3	SSE 10	D-NET	
MSM17/300-3	WKT-2	18.02.2011	11:57	18° 0,00' S	11° 30,00' E	241,2	SSE 10	MUC	SL max 243m
MSM17/300-4	WKT-2	18.02.2011	12:10	18° 0,09' S	11° 30,03' E	242,7	SSE 9	MN	FdW 2kn
MSM17/300-4	WKT-2	18.02.2011	12:20	18° 0,37' S	11° 30,20' E	234,9	SSE 10	MN	SL max 253m
MSM17/300-5	WKT-2	18.02.2011	12:51	18° 1,27' S	11° 30,76' E	241,3	SSE 10	TT	FdW 2kn
MSM17/300-5	WKT-2	18.02.2011	12:56	18° 1,41' S	11° 30,85' E	242,1	SSE 10	TT	SL max 50m
MSM17/300-6	WKT-2	18.02.2011	13:09	18° 1,80' S	11° 31,04' E	242,0	SSE 10	TT	FdW 2kn
MSM17/300-6	WKT-2	18.02.2011	13:16	18° 2,02' S	11° 31,13' E	241,5	S 10	TT	SL max 30m
MSM17/301-1	WKT-2b	18.02.2011	14:51	18° 0,76' S	11° 23,92' E	416,2	SSE 10	CTD/RO	SI max. 409m
MSM17/301-2	WKT-2b	18.02.2011	15:14	18° 0,89' S	11° 23,97' E	417,2	SSE 12	MOCN	FdW 2 Kn
MSM17/301-2	WKT-2b	18.02.2011	15:39	18° 1,60' S	11° 24,39' E	426,8	SSE 10	MOCN	SI max. 617m
MSM17/302-1	WKT-2c	18.02.2011	19:07	17° 39,71' S	11° 32,10' E	170,5	SSE 12	CTD/RO	SL max. 160 m
MSM17/302-2	WKT-2c	18.02.2011	19:21	17° 39,89' S	11° 32,16' E	168,3	SSE 13	TT	FdW 2 Kn

Station#	Station#	Date	Time	Position	Position	Depth	Wind	Gear	Comment
Merian	GENUS		[UTC]	Lat	Lon	[m]	[m/s]	Abbreviation	
MSM17/302-2	WKT-2c	18.02.2011	19:24	17° 39,98' S	11° 32,19' E	168,0	SSE 13	TT	SL max. 30 m
MSM17/302-4	WKT-2c	18.02.2011	19:56	17° 40,86' S	11° 32,71' E	165,6	SSE 13	TT	SL max. 90 m
MSM17/303-1	WKT-2d	18.02.2011	21:57	17° 33,19' S	11° 20,33' E	439,3	SSE 12	CTD/RO	SL max. 432 m
MSM17/303-2	WKT-2d	18.02.2011	22:13	17° 33,29' S	11° 20,40' E	437,7	SSE 12	MOCN	FdW 2kn
MSM17/303-2	WKT-2d	18.02.2011	22:22	17° 33,57' S	11° 20,51' E	430,2	SSE 13	MOCN	SL max 227m
MSM17/304-1	T1-5	19.02.2011	01:44	17° 15,00' S	11° 43,00' E	41,2	S 9	CTD/RO	SL max 33m
MSM17/304-2	T1-5	19.02.2011	01:50	17° 15,00' S	11° 43,00' E	40,5	S 10	D-NET	
MSM17/304-3	T1-5	19.02.2011	02:02	17° 15,00' S	11° 43,00' E	0,0	S 9	APSN	
MSM17/304-4	T1-5	19.02.2011	02:13	17° 15,01' S	11° 42,99' E	41,1	S 10	MSS	FdW 0,5 Kn
MSM17/304-5	T1-5	19.02.2011	02:34	17° 15,29' S	11° 42,96' E	18,0	S 10	MN	FdW 2 Kn
MSM17/304-5	T1-5	19.02.2011	02:36	17° 15,36' S	11° 42,95' E	44,0	S 9	MN	SI max. 43m
MSM17/304-6	T1-5	19.02.2011	02:53	17° 15,91' S	11° 42,97' E	43,0	S 9	TT	FdW 2 Kn
MSM17/304-6	T1-5	19.02.2011	02:59	17° 16,10' S	11° 42,99' E	41,9	S 9	TT	SI max. 30m
MSM17/304-7	T1-5	19.02.2011	03:03	17° 16,23' S	11° 43,01' E	0,0	S 9	TT	FdW 2 Kn
MSM17/304-7	T1-5	19.02.2011	03:06	17° 16,33' S	11° 43,02' E	0,0	S 8	TT	SI max. 30m
MSM17/304-8	T1-5	19.02.2011	03:14	17° 16,58' S	11° 43,05' E	0,0	S 9	TT	FdW 2 Kn
MSM17/304-8	T1-5	19.02.2011	03:16	17° 16,64' S	11° 43,06' E	41,2	S 9	TT	SI max. 20m
MSM17/304-9	T1-5	19.02.2011	03:22	17° 16,83' S	11° 43,08' E	42,8	S 9	TT	FdW 2 Kn
MSM17/304-9	T1-5	19.02.2011	03:25	17° 16,92' S	11° 43,09' E	0,0	S 9	TT	SI max. 30m
MSM17/304-10	T1-5	19.02.2011	04:04	17° 15,00' S	11° 43,00' E	0,0	S 8	MUC	SI max. 43m
MSM17/305-1	T1-4	19.02.2011	05:44	17° 15,00' S	11° 30,00' E	149,9	SSE 11	CTD/RO	SI max. 139m
MSM17/305-2	T1-4	19.02.2011	05:55	17° 15,00' S	11° 30,00' E	149,7	S 10	D-NET	
MSM17/305-3	T1-4	19.02.2011	06:02	17° 15,00' S	11° 29,99' E	149,4	SSE 11	APSN	
MSM17/305-4	T1-4	19.02.2011	06:20	17° 15,00' S	11° 29,99' E	149,5	SSE 11	CTD/RO	SL max. 50 m
MSM17/305-5	T1-4	19.02.2011	06:29	17° 15,02' S	11° 29,99' E	149,0	S 10	MSS	FdW 0,5 Kn
MSM17/305-6	T1-4	19.02.2011	07:22	17° 15,34' S	11° 30,11' E	148,8	S 10	ROV	Dummy & Transponder z/W
MSM17/305-6	T1-4	19.02.2011	07:46	17° 15,27' S	11° 30,35' E	147,1	S 9	ROV	Dummy auf 135 m
MSM17/305-6	T1-4	19.02.2011	07:48	17° 15,28' S	11° 30,34' E	146,7	S 11	ROV	145 m
MSM17/305-7	T1-4	19.02.2011	10:00	17° 15,24' S	11° 30,37' E	146,4	S 10	MN	vertikal gefahren
MSM17/305-7	T1-4	19.02.2011	10:05	17° 15,24' S	11° 30,38' E	147,0	S 10	MN	SL max 128m
MSM17/305-8	T1-4	19.02.2011	10:20	17° 15,24' S	11° 30,39' E	145,1	S 10	MUC	SL max 150m
MSM17/305-9	T1-4	19.02.2011	10:38	17° 15,24' S	11° 30,39' E	147,4	S 11	MUC	SL max 147m
MSM17/305-10	T1-4	19.02.2011	10:46	17° 15,29' S	11° 30,39' E	149,0	S 11	MN	FdW 2kn
MSM17/305-10	T1-4	19.02.2011	10:53	17° 15,52' S	11° 30,41' E	146,9	S 11	MN	SL max 173m
MSM17/305-11	T1-4	19.02.2011	11:19	17° 16,39' S	11° 30,47' E	149,1	S 10	TT	FdW 2kn
MSM17/305-11	T1-4	19.02.2011	11:22	17° 16,49' S	11° 30,47' E	150,2	S 10	TT	SL max 40m
MSM17/305-12	T1-4	19.02.2011	11:33	17° 16,86' S	11° 30,47' E	152,6	S 9	TT	FdW 2kn
MSM17/305-12	T1-4	19.02.2011	11:35	17° 16,93' S	11° 30,48' E	150,8	S 10	TT	SL max 20m
MSM17/305-13	T1-4	19.02.2011	11:41	17° 17,13' S	11° 30,48' E	151,5	S 10	TT	FdW 2kn
MSM17/305-13	T1-4	19.02.2011	11:45	17° 17,26' S	11° 30,48' E	150,4	S 10	TT	SL max 40m
MSM17/305-14	T1-4	19.02.2011	11:53	17° 17,53' S	11° 30,49' E	152,3	S 11	TT	FdW 2kn
MSM17/305-14	T1-4	19.02.2011	11:56	17° 17,63' S	11° 30,49' E	151,6	S 10	TT	SL max 40m
MSM17/305-15	T1-4	19.02.2011	12:12	17° 18,16' S	11° 30,49' E	153,6	S 12	TT	FdW 2kn
MSM17/305-15	T1-4	19.02.2011	12:15	17° 18,26' S	11° 30,49' E	153,8	S 11	TT	SL max 10m
MSM17/305-16	T1-4	19.02.2011	12:24	17° 18,57' S	11° 30,50' E	153,6	S 11	MOC-D	FdW 2kn
MSM17/305-16	T1-4	19.02.2011	12:37	17° 19,00' S	11° 30,50' E	154,9	S 12	MOC-D	SL max 181m
MSM17/305-17	T1-4	19.02.2011	12:59	17° 19,30' S	11° 30,53' E	158,3	S 11	TT	driften
MSM17/305-17	T1-4	19.02.2011	13:00	17° 19,30' S	11° 30,52' E	154,4	S 11	TT	SL max 10m
MSM17/305-18	T1-4	19.02.2011	13:12	17° 19,20' S	11° 30,52' E	157,0	S 11	TT	driften
MSM17/305-18	T1-4	19.02.2011	13:17	17° 19,14' S	11° 30,51' E	156,2	S 11	TT	SL max 10m
MSM17/306-1	T1-4a	19.02.2011	15:07	17° 14,88' S	11° 17,34' E	501,1	S 11	ROV	Dummy & Transponder z/W
MSM17/306-1	T1-4a	19.02.2011	15:29	17° 14,74' S	11° 17,38' E	501,5	S 12	ROV	Abbruch, SL max. 200m
MSM17/306-1	T1-4a	19.02.2011	15:42	17° 14,70' S	11° 17,40' E	499,4	S 12	ROV	Erneuern der Kabelbinder und erneutes Abtauchen
MSM17/306-1	T1-4a	19.02.2011	15:49	17° 14,73' S	11° 17,39' E	502,6	S 12	ROV	ROV Winde aufgrund technischer Probleme gestoppt
MSM17/306-1	T1-4a	19.02.2011	15:57	17° 14,76' S	11° 17,41' E	498,8	S 12	ROV	Abbruch wegen techn. Probleme ROV-Winde, einholen von Hand
MSM17/306-2	T1-4a	19.02.2011	16:51	17° 15,01' S	11° 17,27' E	497,9	S 12	CTD/RO	SI max. 492m
MSM17/306-3	T1-4a	19.02.2011	17:03	17° 15,01' S	11° 17,26' E	497,8	S 12	D-NET	
MSM17/306-4	T1-4a	19.02.2011	17:13	17° 15,01' S	11° 17,26' E	502,0	S 12	APSN	
MSM17/306-5	T1-4a	19.02.2011	17:28	17° 15,01' S	11° 17,25' E	500,2	S 13	CTD/RO	SI max. 60m
MSM17/306-6	T1-4a	19.02.2011	17:37	17° 15,02' S	11° 17,26' E	498,0	SSE 12	MSS	FdW 0,5 Kn
MSM17/306-6	T1-4a	19.02.2011	18:03	17° 15,22' S	11° 17,33' E	488,2	SSE 14	MSS	technische Probleme
MSM17/306-7	T1-4a	19.02.2011	18:37	17° 15,59' S	11° 17,47' E	479,7	S 14	MN	FdW 2 Kn
MSM17/306-7	T1-4a	19.02.2011	18:46	17° 15,89' S	11° 17,58' E	467,8	S 13	MN	SL max. 279 m
MSM17/306-8	T1-4a	19.02.2011	19:15	17° 16,87' S	11° 17,95' E	440,4	S 14	MOCN	FdW 2 Kn
MSM17/306-8	T1-4a	19.02.2011	19:42	17° 17,76' S	11° 18,36' E	418,5	S 14	MOCN	SL max. 693 m
MSM17/306-9	T1-4a	19.02.2011	20:32	17° 19,09' S	11° 19,11' E	0,0	S 13	MN	vertikal gefahren

Station#	Station#	Date	Time	Position	Position	Depth	Wind	Gear	Comment
Merian	GENUS		[UTC]	Lat	Lon	[m]	[m/s]	Abbreviation	
MSM17/306-9	T1-4a	19.02.2011	20:47	17° 19,09' S	11° 19,11' E	0,0	SSE 13	MN	SL max. 409 m
MSM17/306-10	T1-4a	19.02.2011	21:12	17° 19,09' S	11° 19,11' E	390,2	S 12	MN	vertikal gefahren
MSM17/306-10	T1-4a	19.02.2011	21:17	17° 19,09' S	11° 19,11' E	389,8	S 13	MN	SL max. 98 m
MSM17/306-11	T1-4a	19.02.2011	22:26	17° 15,00' S	11° 17,30' E	497,2	S 14	MUC	SL max 499m
MSM17/306-12	T1-4a	19.02.2011	22:42	17° 15,03' S	11° 17,31' E	496,9	SSE 14	MSS	FdW 0,5kn
MSM17/306-13	T1-4a	19.02.2011	23:42	17° 15,30' S	11° 17,42' E	484,9	SSE 13	MOC-D	FdW 2kn
MSM17/306-13	T1-4a	20.02.2011	00:11	17° 16,22' S	11° 17,69' E	458,5	SSE 13	MOC-D	SL max 660m
MSM17/307-1	T1-3a	20.02.2011	01:37	17° 15,04' S	11° 10,96' E	932,3	S 11	MOCN	FdW 2kn
MSM17/307-1	T1-3a	20.02.2011	01:57	17° 15,60' S	11° 11,12' E	0,0	SSE 13	MOCN	SL max 503m
MSM17/307-2	T1-3a	20.02.2011	02:43	17° 16,87' S	11° 11,91' E	896,3	S 13	MOC-D	FdW 2 Kn
MSM17/307-2	T1-3a	20.02.2011	03:35	17° 18,37' S	11° 12,80' E	773,9	SSE 12	MOC-D	SI max. 1228m
MSM17/307-3	T1-3a	20.02.2011	05:39	17° 14,99' S	11° 10,98' E	917,2	SSE 10	CTD/RO	SI max. 920m
MSM17/307-4	T1-3a	20.02.2011	06:03	17° 14,99' S	11° 10,98' E	918,1	SSE 10	D-NET	
MSM17/307-5	T1-3a	20.02.2011	06:12	17° 14,99' S	11° 10,98' E	918,1	SSE 10	APSN	
MSM17/307-6	T1-3a	20.02.2011	06:25	17° 15,00' S	11° 10,96' E	921,5	SSE 10	MSS	FdW 0,5 Kn
MSM17/307-7	T1-3a	20.02.2011	07:39	17° 15,59' S	11° 11,29' E	890,0	SSE 10	MN	FdW 2 Kn
MSM17/307-7	T1-3a	20.02.2011	07:49	17° 15,89' S	11° 11,45' E	861,5	SSE 10	MN	SL max. 302 m
MSM17/307-8	T1-3a	20.02.2011	08:17	17° 16,51' S	11° 11,79' E	820,5	SSE 11	MN	vertikal gefahren
MSM17/307-8	T1-3a	20.02.2011	08:44	17° 16,51' S	11° 11,79' E	820,2	SSE 10	MN	SL max. 795 m
MSM17/307-9	T1-3a	20.02.2011	09:25	17° 16,51' S	11° 11,79' E	823,3	SSE 10	MN	vertikal gefahren
MSM17/307-9	T1-3a	20.02.2011	09:32	17° 16,51' S	11° 11,79' E	823,9	S 11	MN	SL max. 198 m
MSM17/307-10	T1-3a	20.02.2011	10:37	17° 15,00' S	11° 11,00' E	915,6	SSE 10	MUC	SL max 924m
MSM17/307-11	T1-3a	20.02.2011	11:00	17° 15,11' S	11° 10,99' E	955,0	S 8	MOC-D	FdW 2kn
MSM17/307-11	T1-3a	20.02.2011	11:57	17° 16,83' S	11° 11,69' E	0,0	S 9	MOC-D	SL max 1239m
MSM17/308-1	T1-3	20.02.2011	14:53	17° 15,00' S	10° 59,89' E	2001,6	S 10	CTD/RO	SI max. 2125m
MSM17/308-2	T1-3	20.02.2011	15:36	17° 15,00' S	10° 59,89' E	0,0	S 9	D-NET	
MSM17/308-3	T1-3	20.02.2011	15:41	17° 15,00' S	10° 59,89' E	2043,2	S 9	APSN	
MSM17/308-4	T1-3	20.02.2011	16:04	17° 15,01' S	10° 59,87' E	2007,6	S 9	CTD/RO	SL max. 110 m
MSM17/308-5	T1-3	20.02.2011	16:15	17° 15,05' S	10° 59,89' E	2010,4	S 9	MSS	FdW 0,5 Kn
MSM17/308-6	T1-3	20.02.2011	17:30	17° 15,55' S	11° 0,18' E	2015,5	S 8	MN	vertikal gefahren
MSM17/308-6	T1-3	20.02.2011	18:05	17° 15,55' S	11° 0,18' E	2001,6	S 10	MN	SL max. 992 m
MSM17/308-7	T1-3	20.02.2011	18:50	17° 15,55' S	11° 0,18' E	2002,7	S 10	MN	vertikal gefahren
MSM17/308-7	T1-3	20.02.2011	18:56	17° 15,55' S	11° 0,18' E	1997,6	S 10	MN	SL max. 198 m
MSM17/308-8	T1-3	20.02.2011	20:31	17° 15,00' S	11° 0,00' E	2111,9	SSE 10	MUC	SL max. 2109 m
MSM17/308-9	T1-3	20.02.2011	21:22	17° 15,22' S	11° 0,23' E	3378,7	SSE 10	MOCN	FdW 2 Kn
MSM17/308-9	T1-3	20.02.2011	21:46	17° 15,78' S	11° 0,83' E	3385,6	SSE 10	MOCN	SL max. 770 m
MSM17/309-1	T1-2	21.02.2011	00:02	17° 15,42' S	10° 47,10' E	0,0	SSE 10	MOC-D	FdW 2kn
MSM17/309-1	T1-2	21.02.2011	00:07	17° 15,56' S	10° 47,18' E	3202,2	SSE 10	MOC-D	Verbindungsausfall, Abbruch und zurück an Deck
MSM17/309-2	T1-2	21.02.2011	00:23	17° 15,71' S	10° 47,17' E	3166,0	SSE 10	MOC-D	FdW 2kn
MSM17/309-2	T1-2	21.02.2011	01:40	17° 17,40' S	10° 49,16' E	3363,4	SSE 11	MOC-D	SL max 1985m
MSM17/309-3	T1-2	21.02.2011	04:43	17° 15,00' S	10° 46,98' E	3003,2	SSE 11	CTD/RO	SI max. 2937m
MSM17/309-4	T1-2	21.02.2011	05:37	17° 15,00' S	10° 46,98' E	0,0	SSE 10	D-NET	
MSM17/309-5	T1-2	21.02.2011	05:50	17° 15,00' S	10° 46,98' E	2740,5	SSE 12	APSN	
MSM17/309-6	T1-2	21.02.2011	06:08	17° 14,99' S	10° 46,99' E	3112,4	S 12	CTD/RO	SL max. 60 m
MSM17/309-7	T1-2	21.02.2011	06:19	17° 15,01' S	10° 47,01' E	0,0	SSE 11	MSS	FdW 0,5 Kn
MSM17/309-8	T1-2	21.02.2011	07:32	17° 15,46' S	10° 47,36' E	3041,6	SSE 10	MN	vertikal gefahren
MSM17/309-8	T1-2	21.02.2011	08:09	17° 15,46' S	10° 47,36' E	3022,5	SSE 11	MN	SL max. 989 m
MSM17/309-9	T1-2	21.02.2011	08:57	17° 15,46' S	10° 47,36' E	2995,8	SSE 8	MN	vertikal gefahren
MSM17/309-9	T1-2	21.02.2011	09:04	17° 15,46' S	10° 47,36' E	2901,2	SSE 9	MN	SL max. 198 m
MSM17/309-10	T1-2	21.02.2011	10:39	17° 15,00' S	10° 47,00' E	2901,7	SSE 10	MUC	SL max 2948m
MSM17/309-11	T1-2	21.02.2011	11:44	17° 15,07' S	10° 47,03' E	0,0	SSE 11	MOC-D	FdW 2kn
MSM17/309-11	T1-2	21.02.2011	12:56	17° 16,77' S	10° 48,42' E	0,0	S 10	MOC-D	SL max 1792m
MSM17/310-1	T1-1	21.02.2011	16:12	17° 15,04' S	10° 29,96' E	3264,3	S 9	MSS	FdW 0,5 Kn
MSM17/310-2	T1-1	21.02.2011	17:23	17° 15,52' S	10° 30,28' E	3253,4	SSE 10	D-NET	
MSM17/310-3	T1-1	21.02.2011	17:36	17° 15,59' S	10° 30,33' E	3258,9	S 10	MOC-D	FdW 2 Kn
MSM17/310-3	T1-1	21.02.2011	20:50	17° 20,76' S	10° 33,83' E	3224,7	SE 9	MOC-D	SL max. 5672 m
MSM17/310-4	T1-1	22.02.2011	02:43	17° 15,00' S	10° 30,00' E	3269,1	SSE 9	CTD/RO	SI max. 2974m
MSM17/310-5	T1-1	22.02.2011	04:04	17° 15,00' S	10° 30,00' E	3269,5	SSE 9	CTD/RO	SI max. 80m
MSM17/310-6	T1-1	22.02.2011	05:12	17° 15,00' S	10° 30,00' E	3262,4	SSE 7	MUC	SI max. 3266m
MSM17/310-7	T1-1	22.02.2011	06:19	17° 15,13' S	10° 30,07' E	3266,4	SSE 9	MOC-D	FdW 2 Kn
MSM17/310-7	T1-1	22.02.2011	09:52	17° 21,56' S	10° 33,17' E	3250,3	SE 7	MOC-D	SL max. 5739 m
MSM17/310-8	T1-1	22.02.2011	14:47	17° 15,00' S	10° 29,97' E	3268,2	S 6	MN	vertikal gefahren
MSM17/310-8	T1-1	22.02.2011	15:22	17° 15,00' S	10° 29,97' E	3274,0	SSW 7	MN	SI max. 991m
MSM17/310-9	T1-1	22.02.2011	16:06	17° 15,00' S	10° 29,97' E	3256,9	SSW 8	MN	vertikal gefahren
MSM17/310-9	T1-1	22.02.2011	16:14	17° 15,00' S	10° 29,97' E	3266,0	S 8	MN	SI max. 198m
MSM17/310-10	T1-1	22.02.2011	16:32	17° 15,00' S	10° 29,97' E	3255,6	S 9	MN	vertikal gefahren
MSM17/310-10	T1-1	22.02.2011	17:07	17° 15,00' S	10° 29,97' E	3260,1	S 8	MN	SI max. 988m
MSM17/311-1	T1-4	22.02.2011	22:02	17° 15,00' S	11° 11,00' E	915,8	SSE 11	MUC	SL max 928m
MSM17/311-2	T1-4	22.02.2011	22:48	17° 14,97' S	11° 10,97' E	918,2	SSE 11	MUC	SL max 928m
MSM17/311-3	T1-4	22.02.2011	23:38	17° 15,61' S	11° 11,55' E	856,8	SSE 11	MOCN	SL max 635m
MSM17/312-1	MSS-31	23.02.2011	01:40	17° 15,13' S	11° 24,03' E	243,2	S 10	MSS	FdW 0,5kn

Station#	Station#	Date	Time	Position	Position	Depth	Wind	Gear	Comment
Merian	GENUS		[UTC]	Lat	Lon	[m]	[m/s]	Abbreviation	
MSM17/313-1	T1-4	23.02.2011	03:34	17° 15,00' S	11° 30,00' E	150.8	S 11	D-NET	
MSM17/313-2	T1-4	23.02.2011	03:56	17° 15,00' S	11° 30,00' E	149.3	S 11	RT	Als Driftnetz gefahren
MSM17/313-2	T1-4	23.02.2011	03:58	17° 15,00' S	11° 30,00' E	150.2	S 10	RT	Sl max. 13m
MSM17/313-3	T1-4	23.02.2011	04:10	17° 15,00' S	11° 30,00' E	151.4	S 11	RT	Als Driftnetz gefahren
MSM17/313-3	T1-4	23.02.2011	04:13	17° 15,00' S	11° 30,00' E	150.4	S 11	RT	Sl max. 10m
MSM17/313-4	T1-4	23.02.2011	04:17	17° 15,00' S	11° 30,00' E	149.6	S 11	RT	Als Driftnetz gefahren
MSM17/313-4	T1-4	23.02.2011	04:18	17° 15,00' S	11° 30,00' E	150.8	S 12	RT	Sl max. 10m
MSM17/313-5	T1-4	23.02.2011	04:25	17° 15,00' S	11° 30,00' E	148.5	S 11	RT	Als Driftnetz gefahren
MSM17/313-5	T1-4	23.02.2011	04:28	17° 15,00' S	11° 30,01' E	151.7	S 10	RT	Sl max. 10m
MSM17/313-6	T1-4	23.02.2011	04:43	17° 15,00' S	11° 30,01' E	151.2	SSE 10	RT	Als Driftnetz gefahren
MSM17/313-6	T1-4	23.02.2011	04:44	17° 15,00' S	11° 30,01' E	148.8	SSE 11	RT	Sl max. 10m
MSM17/313-7	T1-4	23.02.2011	04:50	17° 15,00' S	11° 30,01' E	151.8	SSE 10	RT	Als Driftnetz gefahren
MSM17/313-7	T1-4	23.02.2011	04:51	17° 15,00' S	11° 30,01' E	148.8	SSE 9	RT	Sl max. 10m
MSM17/313-8	T1-4	23.02.2011	04:58	17° 15,00' S	11° 30,01' E	148.2	S 9	RT	Als Driftnetz gefahren
MSM17/313-8	T1-4	23.02.2011	05:01	17° 15,00' S	11° 30,01' E	149.9	S 11	RT	Sl max. 10m
MSM17/313-9	T1-4	23.02.2011	05:21	17° 15,00' S	11° 30,01' E	150.6	S 10	RT	Als Driftnetz gefahren
MSM17/313-9	T1-4	23.02.2011	05:22	17° 15,00' S	11° 30,01' E	148.9	S 9	RT	Sl max. 10m
MSM17/313-10	T1-4	23.02.2011	05:29	17° 15,00' S	11° 30,01' E	151.6	S 9	RT	Als Driftnetz gefahren
MSM17/313-10	T1-4	23.02.2011	05:32	17° 15,00' S	11° 30,01' E	150.0	S 9	RT	Sl max. 25m
MSM17/313-11	T1-4	23.02.2011	05:40	17° 15,00' S	11° 30,01' E	150.7	S 10	RT	Als Driftnetz gefahren
MSM17/313-11	T1-4	23.02.2011	05:41	17° 15,00' S	11° 30,01' E	149.2	S 9	RT	Sl max. 15m
MSM17/313-12	T1-4	23.02.2011	05:46	17° 15,00' S	11° 30,01' E	150.9	S 9	RT	Als Driftnetz gefahren
MSM17/313-12	T1-4	23.02.2011	05:52	17° 15,00' S	11° 30,01' E	150.0	S 9	RT	Sl max. 15m
MSM17/313-13	T1-4	23.02.2011	05:55	17° 15,00' S	11° 30,01' E	149.9	S 9	RT	Als Driftnetz gefahren
MSM17/313-13	T1-4	23.02.2011	05:58	17° 15,00' S	11° 30,01' E	150.0	S 9	RT	Sl max. 15m
MSM17/314-1	T1-4a	23.02.2011	07:24	17° 14,93' S	11° 17,29' E	501.2	SSE 9	ROV	Dummy & Transponder z/W
MSM17/314-1	T1-4a	23.02.2011	08:19	17° 15,04' S	11° 17,35' E	492.7	SSE 9	ROV	Dummy auf 480 m
MSM17/314-1	T1-4a	23.02.2011	08:20	17° 15,05' S	11° 17,34' E	494.1	SSE 8	ROV	495 m
MSM17/314-2	T1-4a	23.02.2011	10:50	17° 15,12' S	11° 17,35' E	491.3	S 7	MOCN	FdW 2kn
MSM17/314-2	T1-4a	23.02.2011	11:21	17° 16,02' S	11° 17,77' E	458.3	S 7	MOCN	SL max 716m
MSM17/314-3	T1-4a	23.02.2011	12:21	17° 17,64' S	11° 18,59' E	411.6	S 8	RT	als Driftnetz gefahren
MSM17/314-3	T1-4a	23.02.2011	12:24	17° 17,65' S	11° 18,59' E	412.8	S 8	RT	SL max 15m
MSM17/315-1	T1-3a	23.02.2011	13:34	17° 14,98' S	11° 12,14' E	806.6	S 9	ROV	Dummy & Transponder z/W
MSM17/315-1	T1-3a	23.02.2011	14:46	17° 15,08' S	11° 12,45' E	780.0	S 9	ROV	Dummy auf 765m
MSM17/315-1	T1-3a	23.02.2011	14:48	17° 15,08' S	11° 12,46' E	779.1	S 9	ROV	780m
MSM17/315-2	T1-3a	23.02.2011	17:23	17° 15,02' S	11° 12,74' E	755.2	SSE 11	RT	Als Driftnetz gefahren
MSM17/315-2	T1-3a	23.02.2011	17:25	17° 15,02' S	11° 12,74' E	755.2	SSE 11	RT	Sl max. 15m
MSM17/315-3	T1-3a	23.02.2011	17:30	17° 15,02' S	11° 12,74' E	753.8	SSE 11	RT	Als Driftnetz gefahren
MSM17/315-3	T1-3a	23.02.2011	17:34	17° 15,02' S	11° 12,74' E	755.2	SSE 12	RT	Sl max. 20m
MSM17/315-4	T1-3a	23.02.2011	17:40	17° 15,02' S	11° 12,74' E	754.6	SSE 11	RT	Als Driftnetz gefahren
MSM17/315-4	T1-3a	23.02.2011	17:43	17° 15,02' S	11° 12,74' E	755.2	SSE 10	RT	Sl max. 15m
MSM17/315-5	T1-3a	23.02.2011	18:20	17° 15,10' S	11° 11,04' E	931.5	SSE 11	MOCN	FdW 2 Kn
MSM17/315-5	T1-3a	23.02.2011	18:38	17° 15,62' S	11° 11,34' E	879.3	SSE 12	MOCN	SL max. 465 m
MSM17/316-1	T1-1a	24.02.2011	02:21	17° 15,00' S	10° 0,00' E	4135.6	SSE 8	CTD/RO	SL max. 3000m
MSM17/316-2	T1-1a	24.02.2011	03:25	17° 15,00' S	10° 0,00' E	3362.3	SSE 8	MN	vertikal gefahren
MSM17/316-2	T1-1a	24.02.2011	04:01	17° 15,00' S	10° 0,00' E	3967.3	S 7	MN	Sl max. 990m
MSM17/316-3	T1-1a	24.02.2011	06:25	17° 15,00' S	10° 0,00' E	0.0	SSE 7	MUC	Sl max. 3931 m
MSM17/317-1	Tr-1_Ang	25.02.2011	21:08	9° 59,98' S	7° 59,96' E	4844.1	SSE 4	CTD/RO	SL max. 3000 m
MSM17/317-2	Tr-1_Ang	25.02.2011	22:05	9° 59,98' S	7° 59,96' E	4842.6	S 4	D-NET	
MSM17/317-3	Tr-1_Ang	25.02.2011	22:19	9° 59,97' S	7° 59,97' E	4855.1	S 4	MN	vertikal gefahren
MSM17/317-3	Tr-1_Ang	25.02.2011	22:50	9° 59,97' S	7° 59,99' E	4847.4	S 4	MN	SL max 989m
MSM17/317-4	Tr-1_Ang	25.02.2011	23:54	10° 0,00' S	8° 0,00' E	4848.3	SSE 5	MOC-D	FdW 2kn
MSM17/317-4	Tr-1_Ang	26.02.2011	01:01	10° 2,04' S	8° 0,90' E	4829.7	SSE 5	MOC-D	SL max 1850m
MSM17/317-5	Tr-1_Ang	26.02.2011	02:13	10° 4,17' S	8° 1,68' E	4823.9	S 4	MN	vertikal gefahren
MSM17/317-5	Tr-1_Ang	26.02.2011	02:18	10° 4,17' S	8° 1,68' E	4826.5	S 5	MN	Sl max. 100m
MSM17/317-6	Tr-1_Ang	26.02.2011	02:37	10° 4,20' S	8° 1,70' E	4823.0	S 4	MOCN	FdW 2 Kn
MSM17/317-6	Tr-1_Ang	26.02.2011	03:14	10° 5,30' S	8° 2,27' E	4837.3	S 4	MOCN	Sl max. 877m
MSM17/317-7	Tr-1_Ang	26.02.2011	04:28	10° 7,00' S	8° 3,19' E	4825.5	SSW 4	CTD/RO	Sl max. 300m
MSM17/317-8	Tr-1_Ang	26.02.2011	04:39	10° 7,00' S	8° 3,19' E	4826.3	SSW 4	MN	vertikal gefahren
MSM17/317-8	Tr-1_Ang	26.02.2011	05:14	10° 7,00' S	8° 3,19' E	4824.2	S 4	MN	Sl max. 991m
MSM17/317-9	Tr-1_Ang	26.02.2011	06:01	10° 7,00' S	8° 3,19' E	4823.3	SSE 4	MN	vertikal gefahren
MSM17/317-9	Tr-1_Ang	26.02.2011	06:09	10° 7,00' S	8° 3,19' E	4824.9	S 3	MN	SL max. 197 m
MSM17/317-10	Tr-1_Ang	26.02.2011	07:57	10° 7,00' S	8° 3,19' E	4826.0	S 5	MUC	SL max. 4837 m
MSM17/317-11	Tr-1_Ang	26.02.2011	09:27	10° 6,99' S	8° 3,17' E	4829.0	SSE 4	MSS	
MSM17/317-12	Tr-1_Ang	26.02.2011	10:40	10° 6,43' S	8° 3,03' E	4826.7	SSE 4	MN	vertikal
MSM17/317-12	Tr-1_Ang	26.02.2011	11:16	10° 6,42' S	8° 3,01' E	4830.4	SE 3	MN	SL max 992m
MSM17/317-13	Tr-1_Ang	26.02.2011	12:11	10° 6,42' S	8° 3,00' E	4825.5	SSE 3	MN	vertikal
MSM17/317-13	Tr-1_Ang	26.02.2011	12:18	10° 6,43' S	8° 2,98' E	4827.6	SE 3	MN	SL max 200m
MSM17/317-14	Tr-1_Ang	26.02.2011	13:56	10° 6,44' S	8° 2,97' E	4825.9	SSE 3	MUC	SL max. 4845m
MSM17/318-1	Tr-2_EqS	28.02.2011	19:41	4° 8,98' S	1° 23,30' W	4794.6	NNW 5	MOCN	FdW 2 Kn
MSM17/318-1	Tr-2_EqS	28.02.2011	20:17	4° 8,21' S	1° 24,22' W	4732.7	N 5	MOCN	SL max. 905 m

Station#	Station#	Date	Time	Position	Position	Depth	Wind	Gear	Comment
Merian	GENUS		[UTC]	Lat	Lon	[m]	[m/s]	Abbreviation	
MSM17/318-2	Tr-2_EqS	28.02.2011	21:15	4° 6,98' S	1° 25,56' W	4570.3	WNW 2	D-NET	
MSM17/318-3	Tr-2_EqS	28.02.2011	22:27	4° 6,99' S	1° 25,59' W	4550.3	SSW 1	CTD/RO	SL max 3000m
MSM17/318-4	Tr-2_EqS	28.02.2011	23:56	4° 6,99' S	1° 25,59' W	4556.9	S 1	MN	vertikal
MSM17/318-4	Tr-2_EqS	01.03.2011	00:30	4° 6,99' S	1° 25,59' W	4558.6	S 2	MN	SL max 990m
MSM17/319-1	Tr-2_EqN	04.03.2011	01:25	3° 47,01' N	13° 58,01' W	4762.9	SSW 4	D-NET	
MSM17/319-2	Tr-2_EqN	04.03.2011	02:34	3° 47,00' N	13° 58,00' W	4767.8	W 3	CTD/RO	SL max 3000m
MSM17/319-3	Tr-2_EqN	04.03.2011	03:40	3° 47,00' N	13° 58,00' W	4767.9	WNW 2	MN	vertikal
MSM17/319-3	Tr-2_EqN	04.03.2011	04:12	3° 47,00' N	13° 58,00' W	4772.3	WNW 2	MN	SL max 991m

Leitstelle Meteor/Merian

Anlage zum Short Cruise Report

Schiffsname: Maria S. Merian

Reise Nr. 17 / Abschnitt: 3 a+b

Anzahl der eingeschifften Personen insgesamt	31
davon Wissenschaftler	15
davon Techniker	8
davon Studenten	7
davon Sonstige (z.B. Journalisten, Politiker, Schüler)	-
davon Beobachter für Staat Namibia	1
davon Universitätsmitarbeiter	18
davon Mitarbeiter von außeruniversitären Forschungsinstitutionen (z.B. MPG, BSH, DOD)	12
davon Mitarbeiter von Firmen für Wissenschaft	-
davon Techniker / Service für das Schiff	-
davon Mitarbeiter ausländischer Staat Namibia	1
davon Fachgebiet physikalische Ozeanographie/ Meteorologie	3
davon Fachgebiet Biologie/Biogeochemie/Chemie	27
davon Fachgebiet Geologie/Geophysik	-
davon Andere (Fachgebiet benennen)	-
davon Frauen	17
davon Männer	14
Einsatz von Großgeräten: z.B. ROV, AUV, MeBo, Rockdrill, Kompressorcontainer	ROV (kleine Version IHF)
Einsatz von Winden und Drähten: z.B. LWL, Einleiter, Dredgedraht	Einleiterkabel 1+2 (kleiner/großer Schiebebalken, Friktionswinde 1+2)