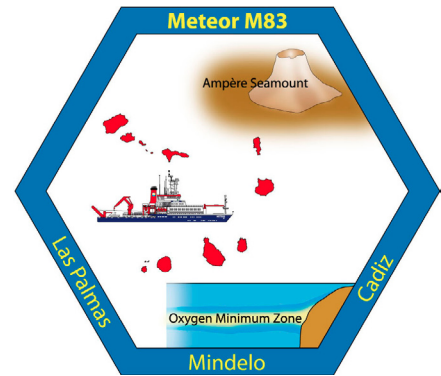


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Short Cruise Report
Meteor M 83/2
Mindelo - Cadiz
16 November - 22 December 2010
Chief Scientist: Bernd Christiansen
Captain: Walter Baschek

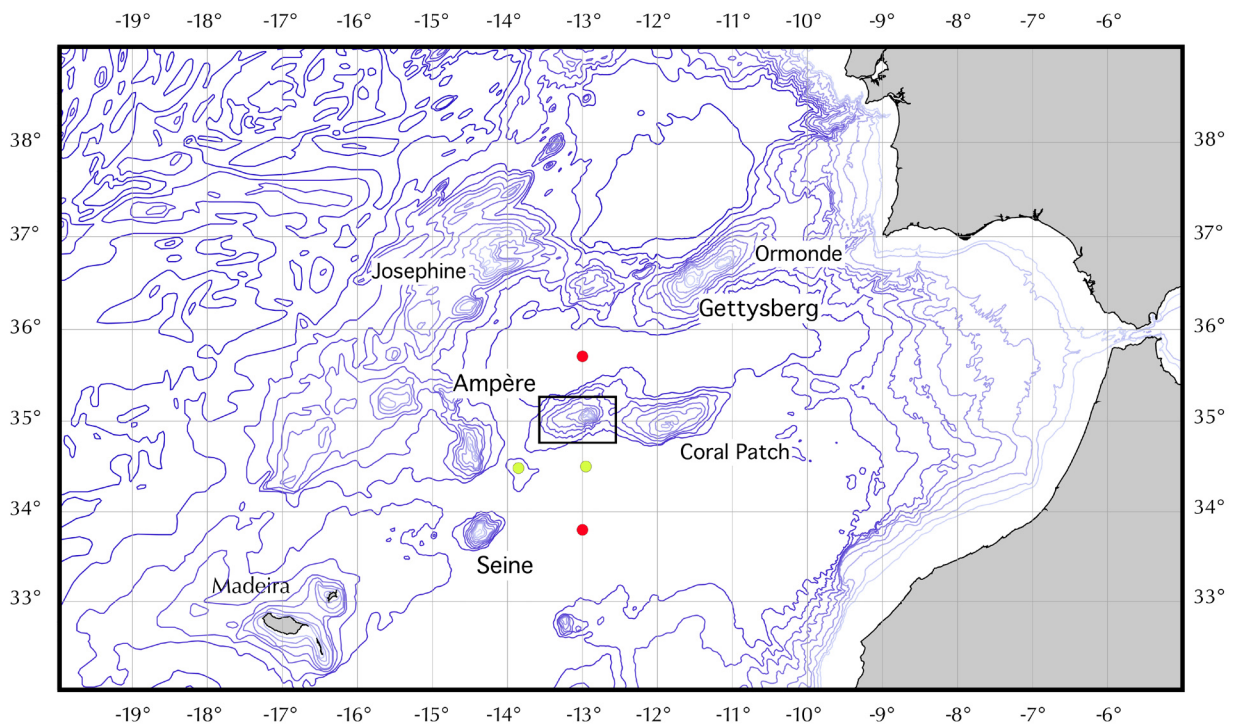


Figure 1: Study sites. Rectangle: main study area at Ampère Smt; red dots: reference stations, yellow dots: additional CTD stations

Objectives

Seamounts are undersea elevations which rise, according to the classical definition, at least 1000 m above their surrounding. Compared to the flat areas of the deep-sea plains, seamounts have special geological, sedimentological, geochemical and biological features. Recent seamount research has shown that seamount ecosystems may be very variable. For example, results from the EU project OASIS indicate that the classical picture of seamounts being areas of high productivity has to be modified. The reasons why some seamounts appear to be much more productive than the surrounding ocean, while others do not show conspicuous differences, are still poorly understood. However, concerning the exploitation and management of natural resources at seamounts, a good knowledge of the driving forces and mechanisms in seamount ecosystems is absolutely necessary.

The main aim of the study at Ampère Seamount is a characterization of the ecosystem and an analysis of its driving forces, particularly in comparison to the well-studied Seine Seamount which is located 100 nm to the SW of Ampère. Both seamounts are situated in the same biogeochemical province; they are shallow (55 m and 160 m, respectively) and rise from depths of more than 4000 m. Based on preliminary studies in the area which indicate a higher faunal density at Ampère than at Seine, in the pelagic and in the benthic zones, the study will test the hypothesis that, due to differences in flow conditions and/or substrate properties, the Ampère Seamount ecosystem is characterized by different community patterns, a higher diversity and productivity, and a different trophic structure, as compared to Seine Seamount. The following questions are addressed in detail:

- What are the characteristics of the flow pattern and the resulting distribution and composition of particulate material at Ampère Seamount, and is there a link to substrate type, benthic colonization patterns, faunal composition and biodiversity?
- How does the neap/spring tidal cycle affect the particle and sediment dynamics and the formation of the sediment archive?
- Is the diversity of the benthic meio- and macrofauna at Ampère Seamount enhanced in comparison to the surrounding, and to Seine Seamount?
- Are there genetic differences in selected taxa between the adjoining seamounts Ampère and Seine, and the more southern Senghor Seamount (Cape Verde)?
- What are the characteristics of the distribution and composition of the pelagic ecosystem components (plankton, micronekton, nekton), and are there links to the current field?
- Is the productivity of the higher trophic levels based on an autochthonous or an allochthonous food supply? What is the effect on the food web structure and on the energy flow in the ecosystem?

The cruise involved physical, biogeochemical and biological sampling at and around Ampère Seamount. Based on a cross-like transect, stations were located on the summit, at the rim, at the slope and at the base of the seamount. In addition, two reference sites outside the sphere of influence of the seamount were sampled, one to the south and one to the north.

Narrative

The original plan to start the cruise at 10:00 h on 16 Nov had to be changed because of the delay of a group of scientists who got stuck in Lisbon due to delayed flights. After the scientific crew finally was complete, METEOR left the port of Mindelo, Cape Verde, at 20:00 h on 16 Nov and headed north towards the working area, which is located between Madeira and the Portuguese mainland. During the transit all groups set up their labs and prepared their equipment. On 18 Nov there was a brief station to test the buoyancy and releases of lander systems, and on 20 Nov a test station for the CTD was conducted.

On 21 Nov we reached the first working area located about 70 nm south of Ampère Seamount. This location, a typical abyssal plain with a water depth of 4400 m and with flat topography, was chosen as the southern reference site, which is thought not to be influenced by major topographic features. Among the first activities were the deployments of two benthic lander systems. In the evening we used the towed double multiple opening/closing net system (MOCNESS) for zooplankton sampling. At the reference station the MOCNESS was deployed down to 4100 m depth. Further tows were conducted on the next two days, together with multinet hauls which collected zooplankton from the upper 1000 m. The CTD-rosette was employed to give information on the hydrography and to collect water for biogeochemical and biological purposes. Sediment cores were sampled with the multicorer. The sediment at the reference station is very fine and smooth, which is typical for abyssal plains. Later both lander systems were recovered successfully (Fig. 2).

On 24 Nov we started work on fish and megafauna. We used a small bottom trawl (15 m headrope length) to collect bottom dwelling fish and invertebrates. The catch contained several fish species such as large grenadiers, slime heads, spider fish and a deep-sea eel, but also other organisms such as sea urchins, crustaceans, sea lilies and sponges (Fig. 3). Sadly, there was also a great amount of garbage in the net (Fig. 4): not only klinker originating from times when steam ships were in operation, but also bottles, cans, buckets, plastics, rags and other items.

The next day we conducted a further successful haul with the bottom trawl, before we headed to the main working area, the Ampère Seamount. There we sampled water with the CTD-rosette and deployed a lander on the summit of Ampere Seamount in 120 m depth. The original plan of a 24-hours CTD survey at two stations on opposing sides of the seamount had to be stopped after 4 casts due to rapidly deteriorating weather conditions. Instead we tried to deploy the box corer. One haul was successful, but the swell became worse so we had to terminate all station work.

The next morning the weather conditions were better and we started work again. An attempt to sample sediments with the multicorer was not very successful. So we used the vanVeen grab and the Shipek grab instead, two more robust devices which retrieved sediment and also rocks, which were covered with encrusting red algae, sea anemones, sponges, bryozans and gorgonians (Fig. 5). On 28 Nov the swell decreased so that station work could continue with the recovery of the eddy correlation lander and the deployment of both the profiler and the chamber lander. Then we used the rock dredge for the first time. The first haul provided only a few rocks; however, the second deployment yielded several interesting rocks and pieces of sediment concretions with some remnants of organisms.

During the night, the water column was sampled with CTD and multinet, and in the next morning, it was attempted to collect sediment samples from the deep rise of the seamount. That turned out to be difficult as the fine sediment is quite compact so that the tubes of the multicorer penetrated the sediment only down to a few centimeters. We therefore omitted 4 of the 12 core tubes, resulting in less resistance and a good number of retrieved cores. In the evening of 29 Nov, the 2 m beamtrawl was used in approximately 300 m of depth. Unfortunately, during retrieval the trawl got stuck at an obstacle, and various attempts to free it failed. When a particularly high swell lifted the ship the trawling wire snapped and the trawl was lost.

In the meantime the weather conditions deteriorated again. The small vanVeen grab and Shipek grab however could be successfully deployed on the summit plateau and on the uppermost slope. Good sediment samples and also some stones harbouring a diverse epifauna were collected. Despite increasing wave heights, we had a successful haul with the box corer from a deeper area on 30 Nov. Afterwards, the rock dredge provided only a few rock samples. Due to worsening weather conditions, only the vanVeen and Shipek grabs could be deployed at several shallow water stations.

On 1 Dec the sea had calmed down, so that the regular sampling programme could be continued with multinet and CTD deployments and recovery of the landers. Then, two long lines equipped with hooks and fish traps were moored for some hours at two different stations located on the southern rim of the summit plateau of Ampère. The result was somewhat disappointing, for just 4 fishes were captured. But a second try on 2 Dec in the northern area of the seamount with slightly modified deployment designs between 150 and 450 m depth was very successful. Both the hooks as well as the fish traps yielded a remarkable number of different fish species, e.g. silver scabbardfish, moray eels, conger eels, bluemouth rockfish, and mackerels.

On 5 Dec the wind increased again, but we were still able to conduct CTD and multinet profiles, to recover the two landers that were deployed on Thursday, and to include one box corer and two multicorer hauls, before the increasing swell prohibited ongoing work. The whole Sunday we faced strong winds (8 Bft.) and waves of 5 m height, so that station work was impossible. The sea still being high, we could resume station work in the morning of 6 Dec, but the next day we again had to pause.

Wind and sea calmed down on 8 Dec, and the following days station work continued with CTD casts (Fig. 6), longlines, landers, MOCNESS, grabs, multinets, and, after changing from the towing cable to the deep-sea wire, also box corers and multicorers. On 10 Dec we conducted a bottom trawl on the western slope of the seamount at a water depth of ca 2000 m. Despite some damage to the net, we retrieved a very rich catch, including fish, many corals, sponges and other invertebrates.

On 19 Dec we finished work at Ampère Seamount and steamed to a further reference site to the north of the seamount, where we had a few stations for sampling sediment, water and zooplankton. On 20 Dec we left the area and headed for Cadiz, where we arrived on 21 Dec late in the afternoon.

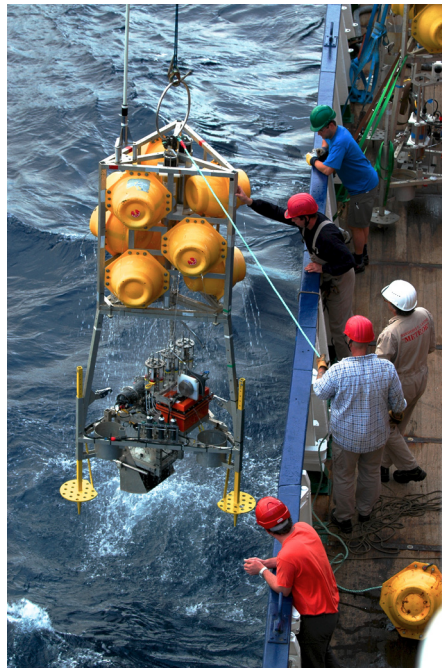


Figure 2: Recovery of the SAMS benthic chamber lander



Figure 3: Southern reference site, depth 4415 m: invertebrates and fish caught with the bottom trawl



Figure 4: Southern reference site, depth 4415 m: garbage collected with the bottom trawl



Figure 5: Rock with epifauna from Ampère Seamount, depth 120 m

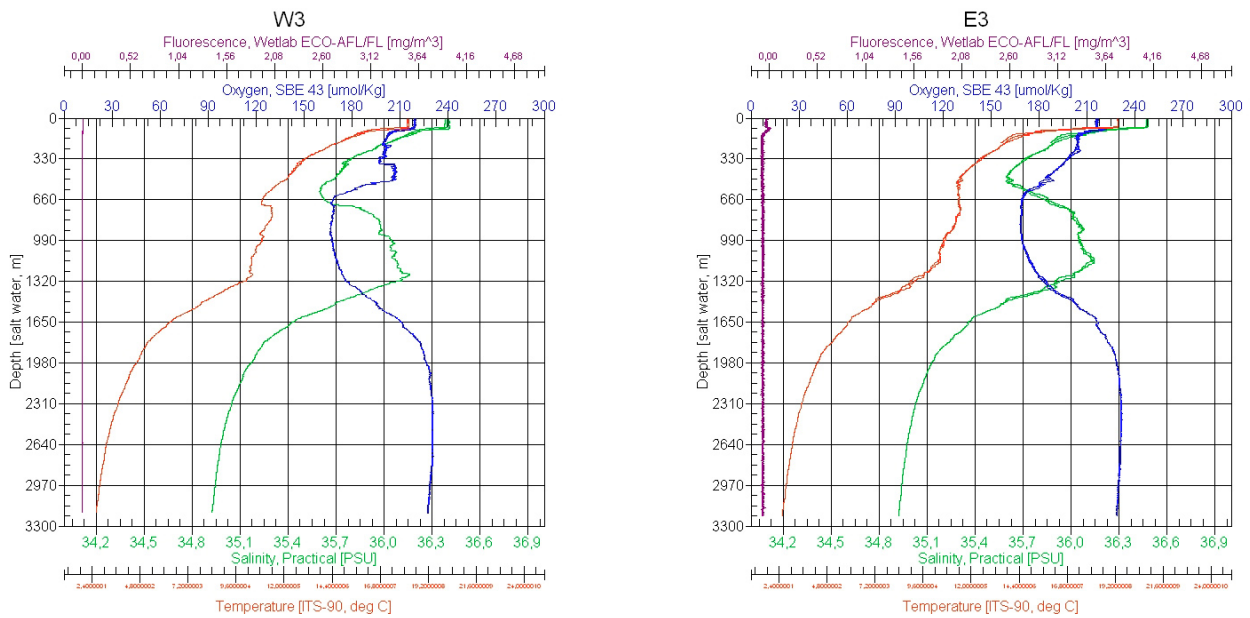


Figure 6: Water column properties at the western (left) and eastern (right) deep slope of Ampère Seamount

Acknowledgements

We thank captain Baschek and his crew for their excellent support throughout the cruise. The shiptime and financial support were provided by the Deutsche Forschungsgemeinschaft.

List of participants

Name	Task	Institution
Christiansen, Bernd	chief scientist/fish	UHH-IHF
Albers, Lena	benthos: meiofauna	DZMB
Brand, Timothy	biogeochemistry/nutrients	SAMS
Chivers, Adam	benthos: macrofauna	SAMS
Christiansen, Henrik	zooplankton	UHH-IHF
Christiansen, Sabine	fish	UHH-IHF
Denda, Anneke	zooplankton	UHH-IHF
Diniz, Tânia	phytoplankton	UL
George, Kai-Horst	benthos: meiofauna	DZMB
Irion, Ines	vulcanology	IFM-GEOMAR
Janßen, Torsten	sedimentology	MEFO
Kaufmann, Manfred	phytoplankton	UMA & CIMAR/CIIMAR
Kullmann, Björn	zooplankton	UHH-IHF
Lamont, Peter	benthos: macrofauna	SAMS
Molodtsova, Tina	benthos: megafauna	SIO
Montgomery, John	biogeochemistry/lander	SAMS
Peine, Florian	biogeochemistry/POM	URO
Raeke, Andreas	weather observatory	DWD
Schneehorst, Anja	physical oceanography	UHH-IHF
Schuster, Anne	biogeochemistry/POM	URO
Springer, Barbara	physical oceanography	UHH-IHF
Stahl, Henrik	biogeochemistry/lander	SAMS
Stefanowitsch, Benjamin	zooplankton	UHH-IHF
Turner, Gavin	biogeochemistry/lander	SAMS
Turnewitsch, Robert	biogeochemistry/radioisotopes	SAMS
Vargas, Sergio	zoogeography	LMU
Vieira, Rui	fish	UALg
Vogel, Sandra	zooplankton	UHH-IHF
Wehrmann, Helge	zooplankton	UHH-IHF

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UHH-IHF	Universität Hamburg, Institut für Hydrobiologie und Fischereiwissenschaft, Hamburg, Germany
UL	Universidade de Lisboa, Faculdade de Ciências, Lisbon, Portugal
UMA	Universidade da Madeira, Estação de Biologia Marinha do Funchal, Funchal/Madeira, Portugal
URO	Universität Rostock, Institut für Aquatische Ökologie - Meeresbiologie, Rostock, Germany

Station list

Times and positions refer to beginning of station

Gear abbreviations:

CTD/RO	Seabird CTD with 24 bottle rosette	MSN	multinet
LL	longline	DRG-C	chainbag dredge
MOC-D	1m ² -double-MOCNESS	BL	bottom lander
MUC	multicorer	SG	Shipek grab
GKG	box corer	BG	VanVeen grab
BT	bottom trawl (45' otter trawl)	SD	Secchi disc
KURRE	2m-beam trawl		

Station	Date	Time	Latitude	Longitude	Depth (m)	Gear.
ME832/940-1	18.11.10	13:02	22° 12.08' N	20° 55.21' W	4295.0	BL test
ME832/941-1	20.11.10	15:25	29° 26.72' N	15° 15.11' W	3578.6	CTD/RO
ME832/942-1	21.11.10	16:36	33° 48.02' N	12° 59.99' W	4412.2	BL deployment
ME832/943-1	21.11.10	16:44	33° 48.01' N	13° 00.12' W	4415.0	BL deployment
ME832/944-1	21.11.10	17:16	33° 48.00' N	13° 00.16' W	4415.0	CTD/RO
ME832/945-1	21.11.10	18:16	33° 48.21' N	13° 00.26' W	4414.1	MOC-D
ME832/946-1	22.11.10	05:32	33° 47.96' N	13° 00.03' W	4410.9	CTD/RO
ME832/947-1	22.11.10	09:31	33° 48.03' N	13° 00.00' W	4413.2	MOC-D
ME832/948-1	22.11.10	12:56	33° 54.35' N	13° 02.10' W	4416.8	MSN
ME832/949-1	22.11.10	14:30	33° 54.37' N	13° 02.06' W	4415.4	MSN
ME832/950-1	22.11.10	15:04	33° 54.36' N	13° 01.97' W	4413.3	MSN
ME832/951-1	22.11.10	16:24	33° 54.35' N	13° 01.92' W	4414.2	MSN
ME832/952-1	22.11.10	18:08	34° 04.96' N	13° 05.45' W	4413.5	MOC-D
ME832/953-1	23.11.10	05:01	33° 47.99' N	12° 59.96' W	4412.6	CTD/RO
ME832/954-1	23.11.10	06:58	33° 47.87' N	13° 00.07' W	4413.0	MOC-D
ME832/955-1	23.11.10	10:39	33° 48.00' N	12° 59.99' W	4413.3	CTD/RO
ME832/956-1	23.11.10	11:32	33° 48.01' N	12° 59.97' W	4413.7	CTD/RO
ME832/957-1	23.11.10	12:13	33° 48.30' N	12° 59.82' W	4415.4	BL recovery
ME832/958-1	23.11.10	15:24	33° 48.23' N	12° 59.77' W	4416.2	BL recovery
ME832/959-1	23.11.10	17:16	33° 48.00' N	13° 00.00' W	4413.0	MUC
ME832/960-1	23.11.10	20:05	33° 48.00' N	13° 00.00' W	4412.7	MUC
ME832/961-1	23.11.10	23:16	33° 48.00' N	13° 00.00' W	4413.9	MUC
ME832/962-1	24.11.10	02:24	33° 48.00' N	13° 00.00' W	4414.5	MUC
ME832/963-1	24.11.10	06:15	33° 44.68' N	12° 54.31' W	4414.8	BT
ME832/964-1	24.11.10	19:51	33° 48.03' N	13° 00.04' W	4412.6	MSN
ME832/965-1	24.11.10	20:22	33° 48.03' N	13° 00.08' W	4413.0	MSN
ME832/966-1	24.11.10	21:44	33° 48.01' N	13° 00.09' W	4415.3	MSN
ME832/967-1	24.11.10	22:16	33° 48.01' N	13° 00.09' W	4414.3	MSN
ME832/968-1	24.11.10	23:42	33° 48.00' N	13° 00.00' W	4415.6	MUC
ME832/969-1	25.11.10	02:54	33° 48.01' N	13° 00.00' W	4415.0	MSN
ME832/970-1	25.11.10	03:27	33° 48.04' N	12° 59.98' W	4413.9	MSN
ME832/971-1	25.11.10	06:02	33° 48.09' N	13° 01.31' W	4413.5	BT
ME832/972-1	25.11.10	19:10	34° 29.10' N	13° 51.25' W	3902.8	CTD/RO
ME832/973-1	26.11.10	05:38	34° 30.13' N	12° 57.21' W	4417.5	CTD/RO
ME832/974-1	26.11.10	13:06	35° 03.97' N	12° 54.27' W	129.2	BL deployment
ME832/975-1	26.11.10	14:00	35° 00.93' N	12° 53.48' W	1311.1	CTD/RO
ME832/976-1	26.11.10	16:04	35° 05.72' N	12° 59.92' W	1347.5	CTD/RO
ME832/977-1	26.11.10	17:59	35° 00.94' N	12° 53.49' W	1312.8	CTD/RO

Station	Date	Time	Latitude	Longitude	Depth (m)	Gear.
ME832/978-1	26.11.10	20:00	35° 05.74' N	12° 59.98' W	1364.8	CTD/RO
ME832/979-1	26.11.10	22:16	35° 15.38' N	12° 57.33' W	3127.1	GKG
ME832/980-1	27.11.10	08:34	35° 15.37' N	12° 57.32' W	3130.4	MUC
ME832/981-1	27.11.10	10:50	35° 15.37' N	12° 57.35' W	3122.0	MUC
ME832/982-1	27.11.10	13:22	35° 15.37' N	12° 57.33' W	3125.9	MUC
ME832/983-1	27.11.10	15:42	35° 15.37' N	12° 57.32' W	3127.4	MUC
ME832/984-1	27.11.10	19:28	35° 04.66' N	12° 54.53' W	125.9	BG
ME832/985-1	27.11.10	19:41	35° 04.67' N	12° 54.52' W	124.8	BG
ME832/986-1	27.11.10	19:52	35° 04.67' N	12° 54.52' W	125.4	BG
ME832/987-1	27.11.10	20:05	35° 04.67' N	12° 54.52' W	126.7	SG
ME832/988-1	27.11.10	20:17	35° 04.67' N	12° 54.52' W	126.7	SG
ME832/989-1	27.11.10	20:27	35° 04.67' N	12° 54.52' W	127.3	SG
ME832/990-1	27.11.10	20:35	35° 04.67' N	12° 54.52' W	126.8	SG
ME832/991-1	27.11.10	21:08	35° 04.66' N	12° 54.23' W	276.0	SG
ME832/992-1	27.11.10	21:18	35° 04.67' N	12° 54.22' W	280.3	SG
ME832/993-1	27.11.10	21:29	35° 04.67' N	12° 54.22' W	136.5	SG
ME832/994-1	27.11.10	21:40	35° 04.67' N	12° 54.22' W	135.5	BG
ME832/995-1	27.11.10	21:52	35° 04.67' N	12° 54.23' W	135.0	BG
ME832/996-1	27.11.10	22:20	35° 04.46' N	12° 54.02' W	134.5	BG
ME832/997-1	27.11.10	22:30	35° 04.46' N	12° 54.03' W	134.2	BG
ME832/998-1	27.11.10	22:42	35° 04.46' N	12° 54.03' W	134.6	SG
ME832/999-1	27.11.10	22:50	35° 04.46' N	12° 54.04' W	133.4	SG
ME832/1000-1	27.11.10	23:01	35° 04.46' N	12° 54.04' W	134.1	SG
ME832/1001-1	27.11.10	23:28	35° 03.50' N	12° 54.02' W	136.7	SG
ME832/1002-1	27.11.10	23:39	35° 03.50' N	12° 54.02' W	131.9	SG
ME832/1003-1	27.11.10	23:52	35° 03.48' N	12° 54.02' W	129.2	SG
ME832/1004-1	28.11.10	00:03	35° 03.47' N	12° 54.03' W	128.2	SG
ME832/1005-1	28.11.10	00:11	35° 03.47' N	12° 54.03' W	129.1	SG
ME832/1006-1	28.11.10	00:33	35° 03.49' N	12° 54.11' W	138.6	BG
ME832/1007-1	28.11.10	00:44	35° 03.48' N	12° 54.11' W	138.1	BG
ME832/1008-1	28.11.10	00:58	35° 03.48' N	12° 54.11' W	140.1	SG
ME832/1009-1	28.11.10	01:39	35° 03.22' N	12° 50.79' W	1060.2	MSN
ME832/1010-1	28.11.10	02:10	35° 03.21' N	12° 50.77' W	1072.0	MSN
ME832/1011-1	28.11.10	03:34	35° 03.21' N	12° 50.76' W	1081.7	MSN
ME832/1012-1	28.11.10	04:06	35° 03.21' N	12° 50.77' W	1076.1	MSN
ME832/1013-1	28.11.10	06:12	35° 03.63' N	12° 43.20' W	3203.1	GKG
ME832/1014-1	28.11.10	08:47	35° 03.60' N	12° 43.21' W	3203.0	BL deployment
ME832/1015-1	28.11.10	08:58	35° 03.60' N	12° 43.36' W	3171.5	BL deployment
ME832/1016-1	28.11.10	09:59	35° 03.76' N	12° 54.28' W	113.8	BL recovery
ME832/1017-1	28.11.10	11:00	35° 00.13' N	12° 55.20' W	1834.8	DRG_C
ME832/1018-1	28.11.10	14:51	34° 59.16' N	12° 49.64' W	3006.8	DRG_C
ME832/1019-1	28.11.10	19:37	35° 03.60' N	12° 43.21' W	3204.8	CTD/RO
ME832/1020-1	28.11.10	22:47	35° 03.61' N	12° 43.21' W	3199.8	CTD/RO
ME832/1021-1	29.11.10	00:34	35° 03.61' N	12° 43.28' W	3188.8	CTD/RO
ME832/1022-1	29.11.10	02:06	35° 02.15' N	12° 53.84' W	235.9	MSN
ME832/1023-1	29.11.10	02:29	35° 02.15' N	12° 53.82' W	226.5	MSN
ME832/1024-1	29.11.10	03:50	35° 04.93' N	12° 53.95' W	251.7	MSN
ME832/1025-1	29.11.10	04:12	35° 04.93' N	12° 53.95' W	251.1	MSN
ME832/1026-1	29.11.10	05:49	35° 15.29' N	12° 57.31' W	3110.0	MUC

Station	Date	Time	Latitude	Longitude	Depth (m)	Gear.
ME832/1027-1	29.11.10	08:19	35° 15.37' N	12° 57.32' W	3127.9	MUC
ME832/1028-1	29.11.10	10:47	35° 15.37' N	12° 57.32' W	3124.7	MUC
ME832/1029-1	29.11.10	13:10	35° 15.37' N	12° 57.32' W	3129.8	MUC
ME832/1030-1	29.11.10	16:50	35° 04.82' N	12° 53.66' W	282.2	MSN
ME832/1031-1	29.11.10	17:10	35° 04.82' N	12° 53.66' W	283.2	MSN
ME832/1032-1	29.11.10	18:03	35° 02.99' N	12° 55.13' W	276.8	KURRE
ME832/1033-1	29.11.10	20:31	35° 06.37' N	12° 53.91' W	1009.5	MSN
ME832/1034-1	29.11.10	21:11	35° 06.47' N	12° 53.89' W	1051.3	MSN
ME832/1035-1	29.11.10	22:37	35° 06.47' N	12° 53.89' W	1050.1	MSN
ME832/1036-1	29.11.10	23:07	35° 06.47' N	12° 53.89' W	1051.5	MSN
ME832/1037-1	30.11.10	01:14	35° 03.51' N	12° 57.98' W	412.9	BG
ME832/1038-1	30.11.10	02:05	35° 03.50' N	12° 58.00' W	403.4	SG
ME832/1039-1	30.11.10	02:30	35° 03.50' N	12° 58.00' W	405.1	SG
ME832/1040-1	30.11.10	03:25	35° 03.47' N	12° 55.57' W	374.0	SG
ME832/1041-1	30.11.10	03:47	35° 03.47' N	12° 55.57' W	371.9	SG
ME832/1042-1	30.11.10	04:10	35° 03.47' N	12° 55.57' W	374.0	SG
ME832/1043-1	30.11.10	04:34	35° 03.47' N	12° 55.57' W	373.9	BG
ME832/1044-1	30.11.10	05:00	35° 03.47' N	12° 55.57' W	374.5	BG
ME832/1045-1	30.11.10	05:52	35° 03.48' N	12° 55.23' W	250.2	BG
ME832/1046-1	30.11.10	06:12	35° 03.48' N	12° 55.24' W	251.0	BG
ME832/1047-1	30.11.10	06:32	35° 03.49' N	12° 55.23' W	250.0	SG
ME832/1048-1	30.11.10	06:52	35° 03.49' N	12° 55.23' W	249.7	SG
ME832/1049-1	30.11.10	07:10	35° 03.49' N	12° 55.23' W	250.7	SG
ME832/1050-1	30.11.10	09:18	35° 04.97' N	12° 49.68' W	1733.1	GKG
ME832/1051-1	30.11.10	11:54	35° 03.33' N	12° 50.66' W	1066.6	DRG_C
ME832/1052-1	30.11.10	19:46	35° 05.04' N	12° 54.79' W	167.7	SG
ME832/1053-1	30.11.10	19:58	35° 05.04' N	12° 54.79' W	168.8	SG
ME832/1054-1	30.11.10	20:25	35° 04.99' N	12° 54.81' W	167.8	SG
ME832/1055-1	30.11.10	20:36	35° 04.99' N	12° 54.81' W	166.9	SG
ME832/1056-1	30.11.10	20:50	35° 04.98' N	12° 54.81' W	167.0	SG
ME832/1057-1	30.11.10	21:06	35° 04.98' N	12° 54.81' W	163.0	BG
ME832/1058-1	30.11.10	21:33	35° 05.02' N	12° 55.05' W	249.1	BG
ME832/1059-1	30.11.10	21:53	35° 05.03' N	12° 55.05' W	252.6	BG
ME832/1060-1	01.12.10	09:22	35° 04.66' N	12° 54.00' W	152.1	BG
ME832/1061-1	01.12.10	09:31	35° 04.68' N	12° 54.02' W	148.5	BG
ME832/1062-1	01.12.10	09:46	35° 04.68' N	12° 54.02' W	146.2	BG
ME832/1063-1	01.12.10	09:58	35° 04.68' N	12° 54.02' W	147.6	SG
ME832/1064-1	01.12.10	10:17	35° 04.65' N	12° 54.04' W	140.0	SG
ME832/1065-1	01.12.10	10:27	35° 04.65' N	12° 54.04' W	138.4	SG
ME832/1066-1	01.12.10	10:38	35° 04.65' N	12° 54.04' W	140.8	SG
ME832/1067-1	01.12.10	11:09	35° 04.96' N	12° 54.02' W	266.2	SG
ME832/1068-1	01.12.10	11:26	35° 04.96' N	12° 54.01' W	280.7	SG
ME832/1069-1	01.12.10	11:43	35° 04.96' N	12° 54.01' W	269.9	SG
ME832/1070-1	01.12.10	12:02	35° 04.96' N	12° 54.01' W	269.1	BG
ME832/1071-1	01.12.10	12:22	35° 04.96' N	12° 54.01' W	279.9	BG
ME832/1072-1	01.12.10	12:43	35° 04.96' N	12° 54.01' W	277.0	BG
ME832/1073-1	01.12.10	13:27	35° 04.91' N	12° 55.09' W	255.0	BG
ME832/1074-1	01.12.10	13:50	35° 04.90' N	12° 55.08' W	256.4	BG
ME832/1075-1	01.12.10	14:12	35° 04.91' N	12° 55.08' W	254.2	SG

Station	Date	Time	Latitude	Longitude	Depth (m)	Gear.
ME832/1076-1	01.12.10	14:34	35° 04.90' N	12° 55.08' W	253.6	SG
ME832/1077-1	01.12.10	15:11	35° 04.91' N	12° 55.08' W	254.6	SG
ME832/1078-1	01.12.10	15:30	35° 04.91' N	12° 55.08' W	252.8	SG
ME832/1079-1	01.12.10	15:50	35° 04.91' N	12° 55.08' W	248.0	SG
ME832/1080-1	01.12.10	16:24	35° 04.07' N	12° 55.04' W	227.1	SG
ME832/1081-1	01.12.10	16:41	35° 04.08' N	12° 55.03' W	227.8	SG
ME832/1082-1	01.12.10	16:55	35° 04.08' N	12° 55.03' W	224.4	SG
ME832/1083-1	01.12.10	17:12	35° 04.08' N	12° 55.03' W	226.0	BG
ME832/1084-1	01.12.10	17:29	35° 04.08' N	12° 55.04' W	229.1	BG
ME832/1085-1	01.12.10	19:14	35° 01.40' N	12° 52.17' W	1125.9	MSN
ME832/1086-1	01.12.10	19:42	35° 01.40' N	12° 52.17' W	1120.3	MSN
ME832/1087-1	01.12.10	21:08	35° 01.40' N	12° 52.17' W	1128.1	MSN
ME832/1088-1	01.12.10	21:45	35° 01.40' N	12° 52.17' W	1119.9	MSN
ME832/1089-1	02.12.10	00:18	34° 56.83' N	12° 55.85' W	3191.3	CTD/RO
ME832/1090-1	02.12.10	03:28	34° 56.83' N	12° 55.85' W	3187.4	CTD/RO
ME832/1091-1	02.12.10	05:06	34° 56.83' N	12° 55.86' W	3194.5	CTD/RO
ME832/1092-1	02.12.10	06:46	35° 03.33' N	12° 42.95' W	3177.2	BL recovery
ME832/1093-1	02.12.10	08:13	35° 03.66' N	12° 43.08' W	3177.0	BL recovery
ME832/1094-1	02.12.10	10:34	35° 02.19' N	12° 51.66' W	324.2	LL deployment
ME832/1095-1	02.12.10	11:31	35° 02.29' N	12° 53.46' W	420.9	LL deployment
ME832/1096-1	02.12.10	12:40	35° 03.21' N	12° 50.75' W	1086.3	MSN
ME832/1097-1	02.12.10	13:10	35° 03.21' N	12° 50.76' W	1074.8	MSN
ME832/1098-1	02.12.10	14:39	35° 03.23' N	12° 50.75' W	1086.6	MSN
ME832/1099-1	02.12.10	15:13	35° 03.25' N	12° 50.76' W	1065.0	MSN
ME832/1100-1	02.12.10	16:54	35° 02.05' N	12° 51.65' W	328.8	LL recovery
ME832/1101-1	02.12.10	17:52	35° 02.17' N	12° 53.44' W	491.6	LL recovery
ME832/1102-1	02.12.10	19:34	35° 03.62' N	13° 04.89' W	1729.3	BL deployment
ME832/1103-1	02.12.10	19:45	35° 03.62' N	13° 05.00' W	1719.6	BL deployment
ME832/1104-1	02.12.10	20:15	35° 03.29' N	13° 00.84' W	1036.3	MSN
ME832/1105-1	02.12.10	20:44	35° 03.29' N	13° 00.84' W	1042.2	MSN
ME832/1106-1	02.12.10	22:05	35° 03.29' N	13° 00.84' W	1044.2	MSN
ME832/1107-1	02.12.10	22:32	35° 03.29' N	13° 00.84' W	1045.4	MSN
ME832/1108-1	03.12.10	00:54	34° 56.82' N	12° 55.82' W	3196.1	MUC
ME832/1109-1	03.12.10	03:29	34° 56.84' N	12° 55.85' W	3184.9	MUC
ME832/1110-1	03.12.10	05:50	34° 56.84' N	12° 55.85' W	3183.1	MUC
ME832/1111-1	03.12.10	09:01	35° 04.87' N	12° 54.74' W	145.8	LL deployment
ME832/1112-1	03.12.10	09:30	35° 05.06' N	12° 55.23' W	336.2	LL deployment
ME832/1113-1	03.12.10	10:33	35° 03.51' N	12° 53.99' W	135.1	CTD/RO
ME832/1114-1	03.12.10	11:18	35° 03.54' N	12° 56.40' W	495.6	CTD/RO
ME832/1115-1	03.12.10	12:11	35° 03.51' N	12° 55.25' W	257.1	MSN
ME832/1116-1	03.12.10	12:31	35° 03.50' N	12° 55.25' W	252.1	MSN
ME832/1117-1	03.12.10	13:24	35° 03.34' N	12° 51.87' W	313.2	MSN
ME832/1118-1	03.12.10	13:47	35° 03.33' N	12° 51.88' W	301.7	MSN
ME832/1119-1	03.12.10	14:38	35° 04.77' N	12° 53.59' W	273.5	MSN
ME832/1120-1	03.12.10	15:00	35° 04.77' N	12° 53.59' W	277.9	MSN
ME832/1121-1	03.12.10	15:52	35° 04.81' N	12° 54.78' W	157.3	LL recovery
ME832/1122-1	03.12.10	16:32	35° 05.00' N	12° 55.41' W	388.0	LL recovery
ME832/1123-1	03.12.10	17:50	35° 00.85' N	12° 57.26' W	1402.4	DRG_C
ME832/1124-1	03.12.10	21:35	35° 03.33' N	12° 51.85' W	316.9	MSN

Station	Date	Time	Latitude	Longitude	Depth (m)	Gear.
ME832/1125-1	03.12.10	22:03	35° 03.32' N	12° 51.85' W	327.1	MSN
ME832/1126-1	04.12.10	00:06	35° 15.38' N	12° 57.32' W	3134.5	CTD/RO
ME832/1127-1	04.12.10	03:25	35° 15.38' N	12° 57.32' W	3129.8	CTD/RO
ME832/1128-1	04.12.10	05:30	35° 15.37' N	12° 57.33' W	3133.5	CTD/RO
ME832/1129-1	04.12.10	07:32	35° 06.37' N	12° 53.97' W	1009.0	MSN
ME832/1130-1	04.12.10	08:57	35° 06.38' N	12° 53.94' W	1012.5	MSN
ME832/1131-1	04.12.10	10:28	35° 03.94' N	13° 05.09' W	1762.3	BL recovery
ME832/1132-1	04.12.10	11:25	35° 03.89' N	13° 04.81' W	1762.0	BL recovery
ME832/1133-1	04.12.10	13:39	35° 06.38' N	12° 53.95' W	1014.4	MSN
ME832/1134-1	04.12.10	14:13	35° 06.44' N	12° 53.93' W	1038.1	MSN
ME832/1135-1	04.12.10	16:13	35° 02.16' N	12° 53.87' W	245.5	MSN
ME832/1136-1	04.12.10	16:36	35° 02.15' N	12° 53.82' W	231.7	MSN
ME832/1137-1	04.12.10	18:05	35° 03.65' N	12° 43.18' W	3206.4	GKG
ME832/1138-1	04.12.10	20:41	35° 03.60' N	12° 43.21' W	3202.1	MUC
ME832/1139-1	04.12.10	23:08	35° 03.60' N	12° 43.21' W	3208.2	MUC
ME832/1140-1	06.12.10	08:20	35° 03.60' N	12° 43.21' W	3206.5	MUC
ME832/1141-1	06.12.10	12:09	35° 02.60' N	12° 54.66' W	244.0	SG
ME832/1142-1	06.12.10	12:23	35° 02.60' N	12° 54.66' W	242.5	SG
ME832/1143-1	06.12.10	12:38	35° 02.59' N	12° 54.66' W	240.6	SG
ME832/1144-1	06.12.10	12:51	35° 02.60' N	12° 54.66' W	245.5	SG
ME832/1145-1	06.12.10	13:05	35° 02.60' N	12° 54.66' W	241.5	BG
ME832/1146-1	06.12.10	13:19	35° 02.60' N	12° 54.66' W	242.5	BG
ME832/1147-1	06.12.10	14:00	35° 03.45' N	12° 54.45' W	150.6	BG
ME832/1148-1	06.12.10	14:09	35° 03.45' N	12° 54.45' W	149.3	BG
ME832/1149-1	06.12.10	14:21	35° 03.45' N	12° 54.45' W	153.0	SG
ME832/1150-1	06.12.10	14:30	35° 03.45' N	12° 54.45' W	-1.0	SG
ME832/1151-1	06.12.10	15:06	35° 03.52' N	12° 54.00' W	133.3	CTD/RO
ME832/1152-1	06.12.10	16:23	35° 03.50' N	12° 54.00' W	130.9	CTD/RO
ME832/1153-1	06.12.10	17:16	35° 03.50' N	12° 54.00' W	131.2	SG
ME832/1154-1	06.12.10	17:27	35° 03.50' N	12° 54.00' W	130.9	SG
ME832/1155-1	06.12.10	17:38	35° 03.50' N	12° 54.00' W	129.9	SG
ME832/1156-1	06.12.10	17:51	35° 03.50' N	12° 54.00' W	131.4	BG
ME832/1157-1	06.12.10	18:03	35° 03.50' N	12° 54.00' W	131.4	BG
ME832/1158-1	06.12.10	19:12	35° 03.04' N	12° 52.68' W	61.9	SG
ME832/1159-1	06.12.10	19:18	35° 03.03' N	12° 52.70' W	62.8	SG
ME832/1160-1	06.12.10	19:26	35° 03.03' N	12° 52.70' W	62.5	SG
ME832/1161-1	06.12.10	20:12	35° 02.51' N	12° 53.05' W	246.7	SG
ME832/1162-1	06.12.10	20:27	35° 02.50' N	12° 53.05' W	252.1	SG
ME832/1163-1	06.12.10	20:41	35° 02.50' N	12° 53.05' W	251.7	SG
ME832/1164-1	06.12.10	20:55	35° 02.50' N	12° 53.05' W	253.9	SG
ME832/1165-1	06.12.10	21:11	35° 02.51' N	12° 53.05' W	254.6	BG
ME832/1166-1	06.12.10	21:50	35° 03.71' N	12° 53.40' W	122.2	MSN
ME832/1167-1	06.12.10	22:05	35° 03.71' N	12° 53.41' W	120.9	MSN
ME832/1168-1	06.12.10	22:42	35° 03.50' N	12° 55.25' W	257.3	MSN
ME832/1169-1	06.12.10	23:05	35° 03.50' N	12° 55.25' W	259.8	MSN
ME832/1170-1	06.12.10	23:57	35° 05.67' N	12° 58.57' W	1072.5	MSN
ME832/1171-1	07.12.10	00:28	35° 05.67' N	12° 58.57' W	1082.7	MSN
ME832/1172-1	07.12.10	01:58	35° 05.61' N	12° 58.55' W	1064.2	MSN
ME832/1173-1	07.12.10	02:23	35° 05.60' N	12° 58.53' W	1068.4	MSN

Station	Date	Time	Latitude	Longitude	Depth (m)	Gear.
ME832/1174-1	07.12.10	04:24	35° 03.03' N	12° 57.95' W	451.9	MSN
ME832/1175-1	07.12.10	04:58	35° 03.03' N	12° 57.95' W	450.6	MSN
ME832/1176-1	07.12.10	05:10	35° 03.03' N	12° 57.96' W	451.6	MSN
ME832/1177-1	07.12.10	05:48	35° 03.02' N	12° 57.96' W	452.0	MSN
ME832/1178-1	08.12.10	03:16	35° 05.03' N	12° 49.64' W	1751.0	CTD/RO
ME832/1179-1	08.12.10	05:21	35° 04.96' N	12° 49.70' W	1740.7	CTD/RO
ME832/1180-1	08.12.10	06:22	35° 04.96' N	12° 49.70' W	1722.3	CTD/RO
ME832/1181-1	08.12.10	07:01	35° 04.96' N	12° 49.70' W	1722.4	BL deployment
ME832/1182-1	08.12.10	07:15	35° 04.87' N	12° 49.77' W	1723.7	BL deployment
ME832/1183-1	08.12.10	08:02	35° 03.05' N	12° 52.67' W	57.5	LL deployment
ME832/1184-1	08.12.10	08:44	35° 02.47' N	12° 53.01' W	228.1	LL deployment
ME832/1185-1	08.12.10	10:01	35° 04.78' N	12° 49.86' W	1701.4	BL deployment
ME832/1186-1	08.12.10	10:33	35° 05.30' N	12° 48.48' W	1993.4	MOC-D
ME832/1187-1	08.12.10	14:18	35° 00.93' N	12° 53.43' W	1326.9	CTD/RO
ME832/1188-1	08.12.10	15:52	35° 02.99' N	12° 52.57' W	64.8	LL recovery
ME832/1189-1	08.12.10	16:48	35° 02.35' N	12° 52.92' W	370.5	LL recovery
ME832/1190-1	08.12.10	17:54	35° 07.02' N	12° 50.28' W	1827.3	CTD/RO
ME832/1191-1	08.12.10	19:40	34° 57.52' N	12° 39.22' W	3435.0	MOC-D
ME832/1192-1	09.12.10	04:30	34° 59.14' N	12° 47.93' W	3235.6	CTD/RO
ME832/1193-1	09.12.10	07:40	35° 00.43' N	12° 50.45' W	1908.5	CTD/RO
ME832/1194-1	09.12.10	08:37	35° 00.99' N	12° 53.46' W	1270.2	CTD/RO
ME832/1195-1	09.12.10	10:31	35° 03.70' N	12° 54.14' W	129.5	LL deployment
ME832/1196-1	09.12.10	11:53	35° 05.93' N	12° 51.29' W	1387.1	MOC-D
ME832/1197-1	09.12.10	16:02	35° 03.62' N	12° 53.70' W	128.6	LL recovery
ME832/1198-1	09.12.10	17:30	35° 06.34' N	12° 51.46' W	1442.7	MOC-D
ME832/1199-1	09.12.10	20:54	35° 03.04' N	12° 51.92' W	246.6	BG
ME832/1200-1	09.12.10	21:13	35° 03.04' N	12° 51.91' W	255.2	BG
ME832/1201-1	09.12.10	21:33	35° 03.04' N	12° 51.91' W	260.2	BG
ME832/1202-1	09.12.10	21:49	35° 03.04' N	12° 51.91' W	254.0	BG
ME832/1203-1	09.12.10	22:10	35° 03.04' N	12° 51.91' W	251.4	SG
ME832/1204-1	09.12.10	22:27	35° 03.04' N	12° 51.91' W	254.6	SG
ME832/1205-1	09.12.10	22:45	35° 03.04' N	12° 51.91' W	254.6	SG
ME832/1206-1	09.12.10	23:02	35° 03.04' N	12° 51.91' W	251.6	SG
ME832/1207-1	09.12.10	23:46	35° 03.99' N	12° 52.55' W	324.1	SG
ME832/1208-1	10.12.10	00:08	35° 03.99' N	12° 52.56' W	322.0	SG
ME832/1209-1	10.12.10	00:26	35° 03.99' N	12° 52.55' W	325.3	SG
ME832/1210-1	10.12.10	01:08	35° 03.99' N	12° 52.56' W	322.9	BG
ME832/1211-1	10.12.10	01:30	35° 03.99' N	12° 52.56' W	324.5	BG
ME832/1212-1	10.12.10	02:09	35° 03.99' N	12° 52.56' W	322.5	BG
ME832/1213-1	10.12.10	03:15	35° 00.16' N	12° 53.45' W	1802.6	CTD/RO
ME832/1214-1	10.12.10	05:21	35° 00.10' N	12° 53.61' W	1715.3	CTD/RO
ME832/1215-1	10.12.10	06:24	35° 00.09' N	12° 53.52' W	1781.6	CTD/RO
ME832/1216-1	10.12.10	08:27	35° 01.93' N	12° 52.62' W	866.6	LL deployment
ME832/1217-1	10.12.10	10:22	35° 08.70' N	12° 44.94' W	2969.6	MOC-D
ME832/1218-1	10.12.10	14:21	35° 01.95' N	12° 52.48' W	817.0	LL recovery
ME832/1219-1	10.12.10	16:01	35° 05.33' N	12° 49.98' W	1700.0	BL recovery
ME832/1220-1	10.12.10	16:45	35° 05.16' N	12° 49.67' W	1700.0	BL recovery
ME832/1221-1	10.12.10	17:11	35° 05.17' N	12° 49.73' W	1700.0	BL recovery

Station	Date	Time	Latitude	Longitude	Depth (m)	Gear.
ME832/1222-1	10.12.10	18:54	35° 05.74' N	13° 01.37' W	1574.9	MOC-D
ME832/1223-1	10.12.10	22:06	35° 00.03' N	13° 00.03' W	1362.8	CTD/RO
ME832/1224-1	11.12.10	00:08	35° 05.82' N	12° 59.97' W	1433.4	CTD/RO
ME832/1225-1	11.12.10	01:25	35° 05.16' N	13° 00.78' W	1446.6	MOC-D
ME832/1226-1	11.12.10	05:39	35° 03.19' N	13° 10.01' W	1937.9	BL deployment
ME832/1227-1	11.12.10	05:45	35° 03.16' N	13° 09.85' W	1937.9	BL deployment
ME832/1228-1	11.12.10	08:28	35° 05.96' N	12° 57.76' W	1026.1	LL deployment
ME832/1229-1	11.12.10	09:50	35° 05.69' N	13° 01.51' W	1600.1	MOC-D
ME832/1230-1	11.12.10	13:53	35° 05.25' N	12° 56.29' W	677.4	CTD/RO
ME832/1231-1	11.12.10	14:54	35° 06.26' N	12° 57.41' W	1072.6	LL recovery
ME832/1232-1	11.12.10	16:24	35° 05.82' N	13° 00.03' W	1436.8	CTD/RO
ME832/1233-1	11.12.10	18:10	35° 05.87' N	12° 49.51' W	1821.1	MOC-D
ME832/1234-1	11.12.10	21:22	35° 02.50' N	12° 53.06' W	255.8	SG
ME832/1235-1	11.12.10	21:39	35° 02.50' N	12° 53.06' W	264.6	SG
ME832/1236-1	11.12.10	22:02	35° 02.50' N	12° 53.08' W	278.9	SG
ME832/1237-1	11.12.10	22:45	35° 02.50' N	12° 52.70' W	285.5	SG
ME832/1238-1	11.12.10	23:09	35° 02.50' N	12° 52.70' W	293.9	SG
ME832/1239-1	11.12.10	23:47	35° 03.04' N	12° 51.92' W	242.9	BG
ME832/1240-1	12.12.10	00:04	35° 03.04' N	12° 51.92' W	245.6	BG
ME832/1241-1	12.12.10	00:43	35° 03.96' N	12° 52.53' W	313.3	BG
ME832/1242-1	12.12.10	01:43	35° 04.05' N	12° 52.97' W	177.8	SG
ME832/1243-1	12.12.10	02:07	35° 04.05' N	12° 52.97' W	179.6	SG
ME832/1244-1	12.12.10	02:20	35° 04.05' N	12° 52.97' W	184.1	SG
ME832/1245-1	12.12.10	03:14	35° 08.00' N	12° 53.61' W	1694.8	CTD/RO
ME832/1246-1	12.12.10	05:22	35° 07.99' N	12° 53.60' W	1713.5	CTD/RO
ME832/1247-1	12.12.10	06:30	35° 07.98' N	12° 53.60' W	1698.2	CTD/RO
ME832/1248-1	12.12.10	08:23	35° 08.95' N	12° 40.52' W	3360.0	MOC-D
ME832/1249-1	12.12.10	16:42	35° 00.89' N	12° 53.45' W	1379.7	CTD/RO
ME832/1250-1	12.12.10	18:19	35° 05.87' N	13° 00.01' W	1463.5	CTD/RO
ME832/1251-1	12.12.10	19:56	35° 05.41' N	12° 48.59' W	1947.2	MOC-D
ME832/1252-1	12.12.10	22:53	35° 00.93' N	12° 53.47' W	1305.2	CTD/RO
ME832/1253-1	13.12.10	00:47	35° 05.75' N	12° 59.96' W	1392.0	CTD/RO
ME832/1254-1	13.12.10	02:47	35° 00.95' N	12° 53.48' W	1296.4	CTD/RO
ME832/1255-1	13.12.10	04:38	35° 05.86' N	12° 59.99' W	1458.4	CTD/RO
ME832/1256-1	13.12.10	06:45	35° 00.93' N	12° 53.49' W	1320.6	CTD/RO
ME832/1257-1	13.12.10	08:05	35° 03.13' N	12° 58.27' W	420.0	LL deployment
ME832/1258-1	13.12.10	09:42	35° 02.93' N	13° 10.06' W	0.0	BL recovery
ME832/1259-1	13.12.10	10:16	35° 02.89' N	13° 10.07' W	1943.3	BL recovery
ME832/1260-1	13.12.10	12:29	35° 05.67' N	12° 58.56' W	1085.7	CTD/RO
ME832/1261-1	13.12.10	15:03	35° 03.16' N	12° 58.10' W	426.7	LL recovery
ME832/1262-1	13.12.10	18:00	35° 04.98' N	12° 49.76' W	1721.4	MUC
ME832/1263-1	13.12.10	19:21	35° 04.96' N	12° 49.70' W	1735.0	MUC
ME832/1264-1	13.12.10	20:45	35° 04.96' N	12° 49.70' W	1725.2	MUC
ME832/1265-1	13.12.10	22:13	35° 04.96' N	12° 49.70' W	1767.8	MUC
ME832/1266-1	13.12.10	23:33	35° 04.96' N	12° 49.70' W	1726.1	MUC
ME832/1267-1	14.12.10	02:23	35° 03.63' N	13° 04.91' W	1740.6	CTD/RO
ME832/1268-1	14.12.10	04:34	35° 03.62' N	13° 04.95' W	1724.9	CTD/RO
ME832/1269-1	14.12.10	05:35	35° 03.62' N	13° 04.95' W	1732.5	CTD/RO
ME832/1270-1	14.12.10	07:18	35° 00.38' N	13° 18.31' W	2155.0	BL deployment

Station	Date	Time	Latitude	Longitude	Depth (m)	Gear.
ME832/1271-1	14.12.10	08:37	35° 03.02' N	13° 01.07' W	967.4	LL deployment
ME832/1272-1	14.12.10	09:47	35° 03.29' N	13° 00.84' W	1038.5	MSN
ME832/1273-1	14.12.10	10:17	35° 03.30' N	13° 00.84' W	1044.5	MSN
ME832/1274-1	14.12.10	11:37	35° 03.30' N	13° 00.84' W	1033.4	MSN
ME832/1275-1	14.12.10	12:05	35° 03.30' N	13° 00.84' W	1042.0	MSN
ME832/1276-1	14.12.10	14:02	35° 02.90' N	13° 00.97' W	966.5	LL recovery
ME832/1277-1	14.12.10	15:01	35° 00.76' N	12° 55.51' W	1484.4	DRG_C
ME832/1278-1	14.12.10	18:15	35° 01.81' N	12° 51.12' W	782.8	DRG_C
ME832/1279-1	14.12.10	22:05	35° 01.69' N	12° 52.66' W	1053.6	MSN
ME832/1280-1	14.12.10	22:33	35° 01.69' N	12° 52.66' W	1044.0	MSN
ME832/1281-1	14.12.10	23:55	35° 01.69' N	12° 52.66' W	1048.9	MSN
ME832/1282-1	15.12.10	01:57	35° 03.19' N	12° 50.75' W	1097.3	MSN
ME832/1283-1	15.12.10	02:28	35° 03.21' N	12° 50.75' W	1090.2	MSN
ME832/1284-1	15.12.10	04:14	35° 03.30' N	12° 51.87' W	303.0	MSN
ME832/1285-1	15.12.10	04:58	35° 02.14' N	12° 53.82' W	233.0	MSN
ME832/1286-1	15.12.10	05:44	35° 00.80' N	12° 56.93' W	1422.1	CTD/RO
ME832/1287-1	15.12.10	06:33	35° 00.92' N	12° 53.52' W	1310.0	CTD/RO
ME832/1288-1	15.12.10	08:07	35° 01.32' N	12° 52.83' W	1298.0	LL deployment
ME832/1289-1	15.12.10	09:31	35° 01.70' N	12° 52.67' W	1051.8	MSN
ME832/1290-1	15.12.10	10:01	35° 01.69' N	12° 52.67' W	1051.5	MSN
ME832/1291-1	15.12.10	11:22	35° 01.70' N	12° 52.67' W	1052.2	MSN
ME832/1292-1	15.12.10	11:51	35° 01.69' N	12° 52.67' W	1051.7	MSN
ME832/1293-1	15.12.10	13:40	35° 03.67' N	12° 53.39' W	120.4	MSN
ME832/1294-1	15.12.10	13:54	35° 03.67' N	12° 53.39' W	120.0	MSN
ME832/1295-1	15.12.10	14:52	35° 01.16' N	12° 52.75' W	1321.8	LL recovery
ME832/1296-1	15.12.10	16:21	34° 56.81' N	12° 55.88' W	3194.0	GKG
ME832/1297-1	15.12.10	18:41	34° 56.84' N	12° 55.85' W	3190.2	GKG
ME832/1298-1	15.12.10	22:00	35° 03.28' N	13° 00.84' W	1038.5	MSN
ME832/1299-1	15.12.10	22:33	35° 03.29' N	13° 00.83' W	1044.7	MSN
ME832/1300-1	16.12.10	02:20	34° 55.61' N	13° 27.82' W	3186.9	CTD/RO
ME832/1301-1	16.12.10	05:42	34° 55.62' N	13° 27.78' W	3181.5	CTD/RO
ME832/1302-1	16.12.10	06:51	34° 55.62' N	13° 27.78' W	3185.7	CTD/RO
ME832/1303-1	16.12.10	08:40	35° 00.40' N	13° 18.73' W	2172.5	BL recovery
ME832/1304-1	16.12.10	10:49	34° 55.62' N	13° 27.82' W	3188.8	MUC
ME832/1305-1	16.12.10	13:15	34° 55.63' N	13° 27.79' W	3186.0	MUC
ME832/1306-1	16.12.10	15:33	34° 55.62' N	13° 27.79' W	3183.4	MUC
ME832/1307-1	16.12.10	17:50	34° 55.62' N	13° 27.78' W	3184.1	MUC
ME832/1308-1	16.12.10	20:12	34° 55.60' N	13° 27.79' W	3186.5	MUC
ME832/1309-1	17.12.10	02:04	35° 02.99' N	13° 10.06' W	1940.5	MUC
ME832/1310-1	17.12.10	03:35	35° 03.01' N	13° 10.02' W	1937.8	MUC
ME832/1311-1	17.12.10	07:43	35° 04.99' N	12° 49.74' W	1726.1	BL deployment
ME832/1312-1	17.12.10	07:58	35° 05.15' N	12° 49.71' W	1739.0	BL deployment
ME832/1313-1	17.12.10	09:47	35° 03.01' N	13° 10.06' W	1939.5	MUC
ME832/1314-1	17.12.10	11:25	35° 03.01' N	13° 10.02' W	1939.8	MUC
ME832/1315-1	17.12.10	13:40	35° 06.03' N	13° 09.91' W	2191.8	BT
ME832/1316-1	17.12.10	20:44	35° 06.37' N	12° 53.96' W	1023.1	MSN
ME832/1317-1	17.12.10	21:15	35° 06.40' N	12° 53.95' W	1034.4	MSN
ME832/1318-1	17.12.10	22:38	35° 06.40' N	12° 53.94' W	1033.1	MSN
ME832/1319-1	18.12.10	00:56	35° 07.99' N	12° 53.61' W	1692.7	MUC

Station	Date	Time	Latitude	Longitude	Depth (m)	Gear.
ME832/1320-1	18.12.10	02:13	35° 07.98' N	12° 53.60' W	1697.0	MUC
ME832/1321-1	18.12.10	03:37	35° 07.98' N	12° 53.58' W	1699.1	MUC
ME832/1322-1	18.12.10	05:00	35° 07.98' N	12° 53.58' W	1707.6	MUC
ME832/1323-1	18.12.10	06:24	35° 07.98' N	12° 53.58' W	1707.9	MUC
ME832/1324-1	18.12.10	07:44	35° 07.98' N	12° 53.58' W	1710.6	MUC
ME832/1325-1	18.12.10	09:46	35° 05.22' N	12° 49.42' W	1770.0	BL recovery
ME832/1326-1	18.12.10	11:13	35° 05.00' N	12° 53.80' W	376.0	MSN
ME832/1327-1	18.12.10	12:00	35° 05.45' N	12° 54.78' W	317.5	CTD/RO
ME832/1328-1	18.12.10	13:03	35° 03.52' N	12° 55.29' W	268.4	MSN
ME832/1329-1	18.12.10	14:05	35° 03.72' N	12° 53.42' W	126.9	MSN
ME832/1330-1	18.12.10	14:43	35° 04.48' N	12° 54.27' W	106.5	CTD/RO
ME832/1331-1	18.12.10	15:37	35° 03.95' N	12° 54.28' W	129.1	BL deployment
ME832/1332-1	18.12.10	17:18	35° 02.28' N	12° 54.86' W	396.2	SG
ME832/1333-1	18.12.10	17:44	35° 02.29' N	12° 54.87' W	394.5	SG
ME832/1334-1	18.12.10	18:30	35° 02.41' N	12° 54.99' W	432.7	SG
ME832/1335-1	18.12.10	18:55	35° 02.41' N	12° 54.99' W	474.2	SG
ME832/1336-1	18.12.10	19:21	35° 02.41' N	12° 54.99' W	469.8	SG
ME832/1337-1	18.12.10	20:16	35° 00.09' N	12° 53.61' W	1726.6	MUC
ME832/1338-1	18.12.10	21:42	35° 00.11' N	12° 53.64' W	1739.9	MUC
ME832/1339-1	18.12.10	23:01	35° 00.11' N	12° 53.64' W	1727.1	MUC
ME832/1340-1	19.12.10	00:27	35° 00.11' N	12° 53.64' W	1736.4	MUC
ME832/1341-1	19.12.10	01:46	35° 00.11' N	12° 53.63' W	1715.5	MUC
ME832/1342-1	19.12.10	03:07	35° 00.11' N	12° 53.63' W	1718.7	MUC
ME832/1343-1	19.12.10	04:28	35° 00.11' N	12° 53.63' W	1723.8	MUC
ME832/1344-1	19.12.10	05:46	35° 00.11' N	12° 53.63' W	1720.7	MUC
ME832/1345-1	19.12.10	08:00	35° 04.72' N	12° 49.42' W	1788.4	BL recovery
ME832/1346-1	19.12.10	09:19	35° 07.02' N	12° 50.28' W	1825.2	CTD/RO
ME832/1347-1	19.12.10	10:30	35° 03.89' N	12° 53.99' W	106.1	BL recovery
ME832/1348-1	19.12.10	15:17	35° 42.54' N	13° 00.00' W	4848.8	SD
ME832/1349-1	19.12.10	15:19	35° 42.53' N	12° 59.99' W	4850.5	CTD/RO
ME832/1350-1	19.12.10	19:58	35° 42.50' N	13° 00.00' W	4851.0	CTD/RO
ME832/1351-1	19.12.10	22:33	35° 42.50' N	13° 00.00' W	4850.8	CTD/RO
ME832/1352-1	19.12.10	23:25	35° 42.50' N	13° 00.00' W	4848.7	MSN
ME832/1353-1	19.12.10	23:55	35° 42.50' N	13° 00.00' W	4850.3	MSN
ME832/1354-1	20.12.10	01:19	35° 42.50' N	13° 00.00' W	4850.1	MSN
ME832/1355-1	20.12.10	01:49	35° 42.50' N	13° 00.00' W	4849.1	MSN
ME832/1356-1	20.12.10	03:21	35° 42.50' N	12° 59.99' W	4849.9	MUC
ME832/1357-1	20.12.10	06:52	35° 42.50' N	13° 00.00' W	4847.1	MUC