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Preliminary Cruise Report

Compiled by:

F.S.Poseidon

Cruise No.: 514

Dates of Cruise: from 27.05.2017 to 16.06.2017

Areas of Research: Marine Micropaleontology, Invertebrate Paleontology/Biology and Taphonomy, Historical Paleontology, Carbonate Sedimentology, Physical Oceanography

Port Calls: Dubrovnik

Institute: Fachbereich Geowissenschaften, Hölderlinstrasse 12, D-72074 Tübingen

Chief Scientist: Dr. Hartmut Schulz

Number of Scientists: 11

Projects: Micropaleontology, Actinopaleontology, and Environmental Baseline Study of the Holocene to latest Pleistocene in the northern and eastern Adriatic Sea basin

Cruise Report

This cruise report consists of 52 pages including cover:

1. Scientific crew
2. Research programme
3. Narrative of cruise with technical details
4. Scientific report summary of sampling results
5. Moorings, scientific equipment and instruments
6. Additional remarks - Acknowledgements
7. Appendix
 - A. Map with cruise track
 - B. Station book list

1. Scientific crew

Name	Function	Institute	Leg
Dr. Schulz, Hartmut	Chief scientist	FBG-TÜ	514
Prof. Dr. James Nebelsick	Scientist	FBG-TÜ	514
MSc. Tobias Grun	Student	FBG-TÜ	514
Dr. Nikolina Ilijanić	Scientist	HGI Zagreb	514
Dr. Ozren Hasan	Scientist	HGI Zagreb	514
Giuseppe Siena	Technicien	OGS-Trieste	514
MSc. Catalina Reyes-Suarez	Student	OGS-Trieste	514
Prof. Dr. Petra Heinz	Scientist	Geowiss Uni Wien	514
Julia Wukovits	Student	Geowiss Uni Wien	514
Prof. Dr. Martin Zuschin	Scientist	Geowiss Uni Wien	514
Patrick Bukenberger	Technicien	Geowiss Uni Wien	514

FBG-TÜ Fachbereich Geowissenschaften, Universität Tübingen, Germany.
HGI Zagreb Hrvatski Geološki Institute HGI-CGS, Croatia.
OGS Trieste Istituto Nazionale di Oceanografia e di Geofisica Sperimentale, Italy.
Geowiss Uni Wien Fakultät für Geowissenschaften, Geographie und Astronomie
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2. Research programme

As a German-Croatian-Italian-Austrian consortium of Tübingen, Zagreb, Trieste and Vienna research institutions, we proposed a marine (micro)paleontological/geological expedition with RV POSEIDON to the northern and eastern Adriatic Sea for 21 days (8.9 days of steaming and profiling, 4.1 days of station work, and 4.2 days of transit, 3.8 days reserve). At 34 stations we planned to perform hydrographic water (fluorescence probe, CTD-rosette, „en route/on station“ pumping, multinet) sampling and geological (multi-, Grab/box/Frahm-, gravity corer) sedimentary sampling, and specific probing of the stiff littoral sands by hammer coring by the Vienna University group.

On this cruise, starting on the eastern side of Otranto Strait and set opposite to the direction of the cyclonic surface circulation in the Adriatic Basin, we (1) focused on the increasingly marine characteristics of the water column to determine the distribution of calcareous plankton (planktic foraminifera, coccolithophores, calcareous dinoflagellates) within the Adriatic basin, and (2) used shallow sediment sampling to recover, among other groups, the dead and life fauna of benthic foraminifera, including ex-situ feeding experiments on board. (3) Together with our Vienna colleagues, from these sediments we will also study the immigration patterns and taphonomic preservation of the particular warm-temperate marine micro- and macrofauna off Istria and along the eastern margin of the Adriatic Sea. (4) We planned to sample the Late Holocene to Pleistocene sedimentation of the central Adriatic Sea, and off Istria and Croatia, where we expected by the participation of our Croatian colleagues to recover sediment sections by robust short gravity-or hammer coring, documenting the Early Holocene/Latest Pleistocene marine transgression and early immigration patterns of marine biota during and after the deglacial sea-level rise.

The stations along the cruise track allow for comparisons between the eastern and western sides of the Adriatic Sea basin and to study the faunal changes along environmental gradients (east - surface water marine inflow; west – Adriatic water outflow). The coverage of the north-eastern and eastern sides of the basin may allow to better define the marine elements in the epicontinental Adriatic Sea waters and sediments, and may be used for a better (historical) reconstruction of the faunal and floral migrations from the open Ionian Sea into the Adriatic Basin.

3. Narrative of the cruise with technical details

A map and the full station list (“action log” sensu DSHIP) of the total of 363 deployments is presented in Appendix A and B of this report.

Saturday 27.05. - Monday, 29.05. 2017

After FS Poseidon had entered port of Heraklion, Crete, in Wednesday morning (24.05.2017), moored close to the large ferries, the cooling container BCHU 240 534 arrived in the morning of 26.05. from Tübingen and was installed on board. During the afternoon, the scientific crew arrived and started to establish and to set up labs. Also, the gravity corer was installed. Unloading of the container and preparing of the instruments continued during the next day when FS POSEIDON left the port at 9:00h (27.05.), heading to our first station in the Strait of Otranto. We had rather precise locations for the first 4 sites to follow, e.g. the early publication by Hesse, R., von Rad, U., and Fabricius, F.H., 1971: “Holocene sedimentation in the Strait of Otranto between the Adriatic and Ionian Seas (Mediterranean).- Marine Geology, 10: 293-355”. Their transect of cores had up to 1.6m-long cores, whereas we planned to retrieve up to ~5m by our 12cm-diameter gravity corer, and to take ample plankton and sediment material

Monday 29.05.2017

Our first station was reached at noon and we started for routine with the deployment of the ship’s CTD (12 x 10 l SeaBird Rosette with SBE-32 carousel) down to close to the bottom, following by the different deployments (Stations 1-8), mostly depending on a day/night scheme. The heavy

instruments like the Multicore MUC and Gravity Core GC (winch W3) needed day light and integrated support by the decks crew (06:00-18:00h), whereas the lighter instruments: Multinet MSN, Box Corer BC (20x20x25cm), Frahm Corer FC and Grab Corer Van Veen Grab ("Grabs", 75kg, 952cm²) could be operated around the clock.

Tuesday 30.05.2017

In the morning we had used the GC and MUC and then reached station 9 off Albania in the afternoon, the easternmost station of the W-E transect across the Otranto Strait. We did not deploy a long core within the 12mile-zone, however retrieved multicores, CTD and a shallow (0-100m) and deep (0-700m) MSN. To the end of the day we had obtained a total of 5 CTD, 10 MSN, 6 MUC (1 double), and 4 GC from the deep (~700-900m) Otranto Strait. Sediments along the transect in general consisted of silts and clays with a high terrigenous fraction and some plastered pteropods. However, we could not observe sedimentary structures, which will be estimated in greater detail on land in the long sediment core profiles.

Wednesday 31.05.2017

At 6:00h we continued station work (Station 10, ~400m water depth) in routine with CTD, 2xMSN, 2xFC, MUC and GC and then shifted from Albanian to Italian waters, where we had one of our deepest stations at ~1160m water depth. This station at ~41°30'N, 018°04'E was also important for our Italian colleagues, because of their mooring E2-M3A (<http://nettuno.ogs.trieste.it/e2-m3a/>). The long-term oceanography research buoy could be seen by naked eye from the ship by an orange flag. Again, we had a full station at that important site, starting with GC and MUC and followed later in the evening by CTD and two MSN, after we had shifted to avoid possible contamination of the water sampling by sediment in the water column.

Thursday 01.06.2017

The early morning was started with our first shallow station (110m water depth) of the SW-NE trending "Bari-Transect", where we successfully deployed two MSN (64µm and 100µ), CTD, followed by 3 Van Veen grabs, 3 box cores, 2 other grabs, 1 Frahm corer and a MUC. All instruments worked well and we were looking forward to use in an optimal way the different instruments, depending on the sediment properties/water depth and on the day/night schedules. The next station of the day (Station 13 at 145m) brought us 3 Frahm cores, CTD, 6 grabs, 3 box cores and 3 MSN, getting us all into routine, preparing and deploying instruments, washing and packing samples and cleaning the ship afterwards. This altogether was a hard task, since new samples arrived on deck nearly every 3-5 minutes, because of the shallow depths. Station 14 of the late day was including a total of 13 deployments at ~550m water depth. We noticed from this shallow part of the transect, that sediment with increasing depth and distance from the coast changed from more sandy to silty/clayey textures with low, variable CaCO₃-contents. Remarkably, no rocks or larger pebbles, nor any garbage were reported, with the mollusc shells being the largest objects (<5 cm), not to damage our instruments. For time constraints, more than general results would only be possible later on land.

Friday 02.06.2017

We continued the Bari Transect in the early morning under perfect weather conditions (ongoing) down the SE-slope of the South Adriatic Pit SAP with Station 15 (~920m) with CTD, 3 MSN MUC and GC, but noticed that water depth were rapidly shifting between 912 and 945m at that site. The unusually large range of depths could be due the channel-like feature we see on detailed bathymetric maps. Unfortunately, we were not allowed to use the ship's sea beam system. Altogether, that day we were lucky to have received all permissions (Albania, Italy, and Croatia) to sample all major parts of the Adriatic Basin in the one POS514 cruise only. Station 16 at 1100m was completed by a MUC in the afternoon, marking our NE-most point of the Bari-Transect in Italian waters. In the evening mist, we saw a herd of ~5 porpoises portside.

Saturday 03.06.2017

We reached Station 17 around lunch at 230m water depth. At that SW sampling point of the Mid Adriatic Pit (MAP), we deployed all different instruments and took two gravity cores (8-m tubes, see Table 4) in order to obtain a large volume of these fine-grained sediments for macro-benthic studies. Again, the Frahm corer operated perfectly, providing 2x 65cm of muddy, homogenous sediment. However, not all tubes of the MUC were filled, possibly due to the extremely sticky nature of the sediments. This problem was addressed by a ring of blue tape fixed at the upper edges of individual tubes. The weights on the head of the MUC were reduced as well, with questionable results.

Sunday 04.06.2017

On our direction North towards the Po river estuary, we occupied our first (Station 18) of the flat, shallow "shelf" of the northern Adriatic Sea. We started the morning with CTD and numerous grabs and Frahm cores with only variable results. Sediments were dark grey to olive and showed a large range of sandy/silty textures which discouraged us from using the gravity corer. The large volume of sediments recovered by the total of 16 deployments hopefully provides interesting insights in the nature of that site from the intermediate depth (58m), showing the characteristics of a platform sedimentation with relatively slow sedimentation. We proceeded to Station 19 "Venice Shallow", 23m) that day and saw the coast of Italy, when we took a total 12 casts, before we headed over to the North coast of the Adriatic gulf. Station 20 brought a very interesting CTD-profile with the coldest waters encountered during the entire cruise. These waters were less than 10.8°C and had a surface salinity of >38‰, which was surprising to the relative proximity of the Po river (see report of OGS Trieste). Since we had planned shallow sites of only some 20-10m for the Northern coast of the Adriatic Sea, we proceeded to Station 20 at 18m that night, where we took grabs and box cores, showing a very large variety of coarse, shelly sediments dominated by molluscs/mollusc debris, sea grasses (rhizomes), red algae, ophiurids and decapods.

Monday 05.06.2017

We had planned also to apply the Vienna Hammer Corer to core the stiff littoral sands and sediments in the NW-part along the Northern Adriatic Sea ("Venice Beach"). However, due to technical reasons of the drill rig, the corer was not set up. In order to core sediments, we carefully used the head-weight of the GC and the robust 3m-long tube (with plastic liner). We ran a total of 8 casts at Venice Beach Station 21 (17m) including 3 empty short gravity cores.

Venice Beach Station 22 was the shallowest and northernmost station of the cruise with only 10-11m water depth. We primarily used the box corer (10) at this site, yielding the best result from the coarse, shelly sediment. A rich and diverse benthic fauna was also washed from the 4 grabs, including a large sea cucumber that was preserved with ethanol (alike most of the living benthos and MSN-plankton). No longer cores could be retrieved from Station 22, despite two GC attempts, when the corer could be observed by the cable to fall aside, not penetrating the sea floor.

Venice Beach Station 23 (16m water depth) in the evening hours was sampled by CTD, 6 grabs and 6 Frahm cores. The latter cores still contained sediment, which frequently ran out to the bottom while the corer was risen up from the sea.

The grab in general was used at the most robust instrument to test the sediment conditions if to decide, what other instruments could be used without big risks on the respective site. However, Station 22 had showed that the box corer could eventually be the instrument of choice, yielding better results than the grabs, that were nearly empty.

Tuesday 06.06.2017

In the early morning, two attempts with the 3m-GC completed the Station 24, at the same position as Station 20 both at 18m (see above). During the day, we moved to our last Station 25 ("Venice Deep", 31m water depth). It was thought complimentary to Station 19 (see map), and we had 16 casts including 3 attempts by GC. We recovered for the first ~10cm of organic (plants-sea grasses) and dark brown debris. The second attempt by a concentrated effort succeeded in coring a ~80cm-long profile (Station 25) during intensive ship traffic. The profile showed a 10cm-top interval of

peat and plant debris, followed by light-grey (bleached?) diamicton of clayey sand and some gravel. That profile will be investigated by the Vienna group and ¹⁴C-dated, to possibly corroborate the flooding history during the deglacial sea-level rise/postglacial high-stands. Finally, after a total of 9 empty GCs, we were happy to save our GC intact for the Croatia stations to come and started on our way to Dubrovnik. This was indispensable by the Croatian Research permits to register in port first, to continue the station program as planned. To make the best of it, the transit to Dubrovnik gave us all a rest after the last days in shallow water without much sleep and quasi-continuous work. We used also the time in Dubrovnik port to set up instruments, for cleaning, documenting, storing, packing-repacking the container etc. to be ready for the Croatia stations to come.

Friday 09.06.2017

FS Poseidon left Dubrovnik port at 9:00h in the morning and reached Croatia Station 26 (~510m) at noon, starting with CTD, MSN (3x) and one grab, followed by the successful MUC and GC, and by three grabs and a Frahm corer. Sediment on the Croatia side and of the South Adriatic Pit SAP where much different from the western part of the basin, even though we did not recover any rocks or solid sediments. The different nature of the sediments can be described by the high contents of terrigenous debris and possibly by high contents of heavy minerals, when our Croatian colleagues continued to sample surface sediments in bags for magnetic-mineral analyses (see lists of Ilijanić and Hasan, Tables 5,6). These differences were confirmed while sampling Station 27 at ~1130m and Station 28 that was reached for a CTD at ~1200m before midnight.

Saturday 10.06.2017

Croatia Station 28 and Station 29 (~1190m) from the deepest part of SAP, together with Station 30 (same site as Station 28) can be regarded as the deepest sites of POS514, when a maximum cable length of ~1250m was recorded for MUC/GC. During the afternoon we abandoned the deep SAP-area heading NW to the SAP margin.

Sunday 11.06.2017

Station 31 at 205m water depth was sampled in the early morning by CTD, MSN (3x), grab (6x), MUC, GC, BC and successful Frahm cores. It was noticed that the fine fraction contained a rich and well-preserved planktic and benthic foraminiferal fauna as well as macrofossils. After transfer to Station 32 at 145m, we again started our program with a CTD, 2 MSN; 6 Grabs, GC, MUC and 2 Frahm cores. At that station, we tried for the first time a "Schlauch" core, placing plastic foil instead of the stiff plastic liner into the GC barrel. We retrieved 400cm of homogenous silty clay from that shallow water-site, which were sliced into 5cm-intervals on deck and packed into plastic bags. That core will be used as a basis to integrate all sediment work of the cruise. The sediments will be freeze-dried in Tübingen and split, with the largest part of material for macrofossil analysis going to Vienna University. The cores in parallel, a "Schlauch"- and a "Liner"-GC of ~410cm will later be correlated by the different sediment properties measurements (biostratigraphy, % coarse fraction, magnetic susceptibility etc.).

Monday 12.06.2017

Heading to the NW, our next Croatia Station 33 at the Northern margin of SE-MAP was reached in the early morning at ~110m water depth with a full program of 15 casts, to be followed by Station 34 from within the Central MAP, again hosting extremely fine-grained sediment. 2 Liner-GCs will be shared between Vienna and Tübingen for parallel analysis.

Tuesday 13.06.2017

Station 35 at 54m was reached in the early morning. Two GCs along with CTD, MSN, Grabs, BCs, and Frahm corers were tried without success, taking account to the compact, terrigenous (low CaCO₃-content?) nature of the Croatian near-shore sediments. Later that day, Stations 36 (~43m), 37 (~38m), and 38 (~34m) followed. At Station 37, we luckily found hundreds of the specimens of the small (<1cm) echinoderm species *Echinocyamus pusillus* in the washed residues. These will be

studied in Tübingen within the SFB-TRANSREGIO project “Biological Design and Integrative Structures”.

Wednesday 14.06.2017

Reaching the northernmost Croatian Station 39 in the early morning, we did not attempt a GC (as at Stations 35-38), but recovered and partly washed large volumes of grabs- BC- and Frahm-cores, impressed by the high faunal densities and species richness of the shallow sediments around Istria. In the evening on transit, we were hit for the first time by a thunderstorm (1h) that was too short to effect the sea, but intensely washed the ship.

Thursday 15.06.2017

Heading back to Dubrovnik, we took our last, full Station 40 in the morning, ending the POS514-sampling with a 8m-core barrel and a 7m-long GC that was, alike the others, sealed and packed into the cooled container. Station 40, apart from 17 and 34 is seen as the northern end-member of the MAP(Jabuka)-transect, where the gradients between effects arising from the inflowing NE- and the outflowing SW-surface waters may be ideally studied. It may be also seen as complimentary to the Bari and Otranto Strait transects, and to the line of coastal stations off the northernmost Adriatic coast (see map Appendix A).

Friday 16.06.2017

We entered Dubrovnik port (a second time) in the morning, finding our small place in-between the large, i.e. surrounded by the huge cruise ships and by the hundreds, or thousands of tourists who stared at FS POSEIDON with curiosity. During the day, scientists said good-bye and left from board. In the evening hours, containers could still be exchanged, and the Tübingen container was to be transported on land back to Germany. Finally, at Saturday afternoon there was a short visit on board by the Head of the Croatian Geological Survey, Prof. Dr. Slobodan Miko, who took also their sample material. The Tübingen container passed the customs in Reutlingen on Tuesday (20.06.) morning. While unloading during the day, the sediments inside turned out to be still cool, ~12°C. All cores and wet sediments were immediately stored into the cooled Tübingen core repository, to be subsequently processed for research and teaching purposes.

4. Summary of Sampling during POS514

W.D. (m)	CTD	MSN	MUC	FC	BC	GRAB	GC	Sum
> 1000m	5	15	4	-	5	-	2	31
500 - 1000m	8	19	8	4	-	10	6	55
100 - 500m	9	21	8	20	10	48	10	126
50 - 100m	2	5	-	9	2	10	2	30
30 - 50m	4	-	1	6	6	27	3	47
< 30m	5	-	-	7	20	36	6	74
Sum	33	60	21	46	43	131	29	363

Table 1. Summary of all 363 casts of instruments during cruise POS514, grouped to six ranges of water depths. CTD casts were taken from every new station. Van Veen grabs GRAB-, Frahm corer FC-, and box cores BC were mostly used at shallow water depths of <500m, gravity cores GC and a multiple opening-closing plankton net MSN were preferred at deeper stations. Note GCs (6) from <30 water depth W.D that were not successful, due to sandy ground.

5. Scientific equipment

5.1. CTD/Water Sampling (Giuseppe Siena, Catalina Reyes-Suarez)

CTD measurements were performed with the ship's CTD system down to 1200m. Parallel water sampling was done by the 10-L Niskin bottles from variable depths for calibration purposes (OGS Trieste)

5.2. Bio-Optics (Giuseppe Siena, Catalina Reyes-Suarez)

At the CTD-Stations, the vertical phytoplankton distribution was estimated by means of a Fluoroprobe (bbe MOLDAENKE, Kronshagen, Kiel) in order to quantify the amount of Chlorophyceae, Cyanobacteria, Cryptophyceae, Bacillariophyceae and Dinophyceae on the basis of their fluorescence characteristics.

5.3. Multinet Sampling (Patrick Bukenberger, Petra Heinz, Julia Wukovits)

A Hydrobios multiple opening-closing net MSN (% nets per haul) of Tübingen collected samples of planktic organisms by vertical hauls. During POS514, 60 multinet deployments were run, all successfully. Ten deployments started sampling in 700 m water depth (sampling depths of the five nets: 700-500 m, 500-300 m, 300-200 m, 200-100 m, 100-0 m). Additional eight deployments started between 500 m and 130 m, depending on the water depth at the station. The other 42 MSN deployments started sampling in 100 m water depth (sampling depths of the five nets: 100-80 m, 80-60 m, 60-40 m, 40-20 m, 20-0 m). All deployments deeper than 130 m used nets with a mesh size of 100 µm. For the nets shallower than 100 m, one deployment at one station was using nets with a mesh size of 100 µm. A second deployment was using nets with a mesh size of 64 µm, starting at Pos514-10-4. All collected MSN samples were concentrated and fixed with ethanol.

5.4. Van Veen Grab (James Nebelsick, Martin Zuschin, Tobias Grun, Patrick Bukenberger, Nikolina Ilijanić)

A ROSOMA-Grab corer of IOWarnemünde was used at all shallow-water stations, but also at deeper stations, when the sediment conditions were questionable. The sediment surface rather could be recovered at most stations as well, comparing the different casts. In total, the grab was used 131 times during POS514.

5.5. Frahm Corer (James Nebelsick, Tobias Grun, Nikolina Ilijanić)

A single, up to 65cm-long core (11cm diameter) of the Frahm Corer (FC) was successfully retrieved preferentially from mid water depths (see table 1). This instrument of IOWarnemünde was designed by Andreas Frahm and worked best in binding, fine-grained sediment, where the plexiglass-tube always was full, but never over-penetrated. Because installation of the tube was quick (4 spare tubes available), the Frahm corer (by winch W2), was used more than twice over the MUC.

5.6. Box Corer (James Nebelsick, Martin Zuschin, Tobias Grun)

A relatively small box corer (20x20x25cm) of IOWarnemünde was used with variable weights between 2x20kg and 5x20kg. The instrument operated well and yielded sediments from down to more than 1000m water depth. Only a few times, sandy sediment was washed out, but disturbed-near-surface sediment could still be recovered in most cases with the fine sediment fraction lost. In other cases, sediment surface was intact, indicated by the soupy bottom water overlying. In one cast, the (CTD-)W2-wire used was twisted around the instrument, but was checked to be still o.k.

5.7. Multicorer MUC (Patrick Bukenberger, Petra Heinz, Julia Wukovits)

A multicorer equipped with 8 tubes of 10,5cm diameter/60cm length was used to recover sediments i.e. short sediment cores including an intact sediment-water interface. The Tübingen multicore was successfully used mostly at deeper stations. In cases, tubes were not equally filled with undisturbed

sediment profiles of a length of 25-45cm. However MUC could yield identical sediment profiles at many sites (see list of Bukenberger et al.).

Tab. 2: Sediment samples collected to analyze benthic foraminifera in Vienna (Bukenberger et al.)

Station/Sample	Gear	Date	Depth	Cores
Pos514_2-1	MC	29.05.2017	794 m	1
Pos514_2-2	MC	29.05.2017	794 m	1
POS514_8-1	MC	30.05.2017	997 m	1
POS514_9-2	MC	30.05.2017	984 m	1
POS514_10-7	MC	31.05.2017	422 m	2
POS514_11-2	MC	31.05.2017	1212 m	2
POS514_12-15	MC	01.06.2017	117 m	1
POS514_15-6	MC	02.06.2017	974 m	1
POS514_16-6	MC	02.06.2017	1143 m	1
POS514_17-11	MC	03.06.2017	239 m	1
POS514_19-11	BC	04.06.2017	25 m	1
POS514_22-13	BC	05.06.2017	13 m	1
POS514_23-11	BC	05.06.2017	18 m	1
POS514_25-6	MC	06.06.2017	32 m	1
POS514_26-6	MC	09.06.2017	534 m	1
POS514_29-7	MC	10.06.2017	1238 m	2
POS514_30-1	MC	10.06.2017	1248 m	2
POS514_31-11	MC	11.06.2017	214 m	2
POS514_33-10	MC	12.06.2017	117m	1
POS514_34-12	MC	12.06.2017	253 m	1
POS514_40-8	FL	15.06.2017	206 m	1

Tab. 3: Feeding experiments on board and in Vienna of Bukenberger, Heinz and Wukovits.

Station/Sample	Gear	Depth	Incubation	Termination
POS514-9-1	MC	983 m	30.05.2017	01.06.2017
POS514-12-15	MC	117 m	01.06.2017	03.06.2017
POS514-17-11	MC	235 m	03.06.2017	05.06.2017
POS514-17-12	MC	233 m	03.06.2017	05.06.2017
POS514-22-10	BC	11 m	05.06.2017	07.06.2017
POS514-25-6	MC	32 m	06.06.2017	08.06.2017
POS514-26-6	MC	533 m	09.06.2017	11.06.2017
POS514-31-11	MC	214 m	11.06.2017	13.06.2017

Eight feeding experiments were carried out on multicorer (= MC) or box corer (= BC) samples on board of the F.S. Poseidon (Tab. 2). Three replicate samples were taken for the incubation with the food source inside the MUC tube and one additional core was processed immediately for the analysis of natural abundance stable isotope values. The three cores were incubated in the lab at 12°C in the dark for 3 to 4 hours to stabilize. Then, 60 mL of a solution consisting of ambient seawater and 5 mg artificial phytodetritus was applied and the cores were incubated at 12°C in the dark with the food source for two days (Fig. 1). All samples were fed with *Phaeodactylum tricornutum* detritus, except sample POS514-17-12, which was fed with *Dunaliella tertiolecta*. This was done to compare the affinity of the foraminiferal community to the different sources of detritus and to check for the depth penetration of detrital nutrients after two days, by comparing their content within the cytoplasm of the infaunal communities. At the end of each experiment, the first 5 cm of the cores were sliced into 1 cm sections, sieved over 60 µm, dried at 40°C and packed for transportation.

5.8. Gravity Corer (Ozren Hasan, Nikolina Ilijanić)

The Tübingen gravity corer was used at variable corer lengths of 3, 5 or 8m with a head weight of 1.800kg. We used different qualities of oranges, referring to the hardness of the sediment. The corer and the “Schiebebalken” incl. cradle was operated without problems due to the control by the boatswain Joachim Mischker and his skilled crew.

Table 4. List of gravity sediment cores sampled during the cruise POS514.

Nr. locations	Core names	Length (m)
1	POS514-1-7 GC (2-3 GC)	3,70
2	POS514-2-1 GC (3-1 GC)	4,30
3	POS514-3-3 GC (7-1 GC)	5,00
4	POS514-8-2 GC	4,50
5	POS514 GC 10-8	5,15
6	POS514 GC 11-1	3,50
7	POS514 GC 15-6	3,50
8	POS514 GC 17-13	5,80
	POS514 GC 17-14	5,90
9	POS514 GC 21-2	0,15
	POS514 GC 21-3	0,75
10	POS514 GC 25-3	4,00
	POS514 GC 25-4	2,20
	POS514 GC 25-5	3,50
11	POS514 GC 26-7	4,20
12	POS514 GC-29-6	4,45
13	POS514 GC-31-12	4,20
14	POS514 GC 32-11	4,05
	POS514 GC 32-10 (Schlauch)	4,00
15	POS514 GC 33-11 (Schlauch)	4,10
16	POS514 GC 34-11	4,95
	POS514 GC 34-10 (Schlauch)	5,00
17	POS514 GC 40-11	7,00
Total meters:		93,90

6. Acknowledgements

We thank Captain Matthias Günther and his skilled crew for their advice and help during this cruise. The Tübingen group received financial support from the University of Tübingen to care for the basic needs of instrumentation, consumables and transport to successfully conduct POS514.

Further, we would like the States and Institutions of Albania, Croatia and Italy for permission to conduct the research within their territories and to take samples and measurements.

Dr. Klas Lackschewitz and Maike Heinitz, GEOMAR Kiel are thanked for assistance and streamlining the diverse communications.



Foto 1: Our Croatian colleagues Dr. Ozren Hasan and Dr. Nikolina Ilijanić (Hrvatski Geološki Institute HGI-CGS, Zagreb) with the first long gravity core (POS514-26-7, $42^{\circ}17,017'N$, $018^{\circ}15.967'E$, 511,6m, ~410cm) taken (to our knowledge) off Croatia, 09.06.2017, see station book.



Foto 2: POS514 scientists from left to right: Ozren Hasan, Nikolina Ilijanić, Catalina Reyes Suarez, Petra Heinz, Martin Zuschin, Hartmut Schulz, Giuseppe Siena, Tobias Grun, Patrick Bubenberger, Julia Wukovits, Jimmy Nebelsick, 12.06.2017.

Table 5. Samples for clay and heavy minerals analysis (Stored at the Croatian Geological Survey).

P514-9-1 clay & heavy min. (2x)	P514 GC-25-3 clay & heavy min. (base)
P514-9-2 clay & heavy min.	P514 MUC 26-6 clay & heavy min. (3x)
P514 MUC-10-6 clay & heavy min.	P514 BC 27-5 clay & heavy min. (2x)
P514 MUC-10-7 clay & heavy min. (3x)	P514 BC 28-5 clay & heavy min.
P514 MUC 11-2 clay & heavy min.	P514 BC 29-5 clay & heavy min.
P514 BC-12 clay & heavy min.	P514 MUC 29-7 clay & heavy min. (<0,5 cm)
P514 MUC-12-15 clay & heavy min. 0-20 cm	P514 MUC 30-1 clay & heavy min.
P514 MUC-12-15 clay & heavy min. 20-30 cm	P514 MUC 30-2 clay & heavy min.
P514 BC-13-12 clay & heavy min.	P514 Grab 31-5 clay & heavy min.
P514 BC-13-13 clay & heavy min. 20-30 cm	P514 MUC 31-11 clay & heavy min.
P514 Grab 14-7 clay & heavy min.	P514 Grab 32-5 clay & heavy min.
P514 Grab 14-8 clay & heavy min.	P514 MUC 32-12 clay & heavy min.
P514 MUC 16-5 clay & heavy min. (2x)	P514 Grab 33-8 clays & heavy min.
P514 MUC 17-11 clay & heavy min.	P514 GC 33-11 clays & heavy min. (rest)
P514 BC 17-15 clay & heavy min.	P514 BC 33-12 Base & Top
P514 Grab 17 clay & heavy min.	P514 Grab 34-5 clay&heavy min.
P514 Grab-18 clay & heavy min.	P514MUC 34-12 clay&heavy min. 0-20 cm & 20-40 cm
P514 BC-18-15 clay & heavy min.	P514 GC 34-10 clay&heavy min. (rest)
P514 Grab-19 clay & heavy min.	P514 Grab 35-5 & -8 clay&heavy min. (<1 cm)
P514 BC-19 clay & heavy min.	P514 Grab 36-3, 36-6, 36-8 clay&heavy min
P514 Grab-20 clay & heavy min.	P514 FL 36-12 clay&heavy min
P514 BC-20 clay & heavy min.	P514 Grab 37-4, 37-5 clay&heavy min
P514 GC 21-2 clay&heavy min. (2x, base)	P514 BC 37-8 clay&heavy min
P514 BC-22 clay & heavy min. 2x	P514 Grab 38-5 clay&heavy min (<1 cm)
P514 Grab-23 clay & heavy min.	P514 BC-38-8 clay&heavy min
P514 BC/FL-25-13 & -14 clay & heavy min.	P514 Grab 39-5 clay&heavy min (<1 cm)
P514 MUC-25-6 clay & heavy min.	P514 BC-39-8 clay&heavy min
	P514 Grab 40-4 & 40-5 clay&heavy min

Table 6.
Small surface samples taken for magnetic susceptibility (MS) measurements (Stored at the Croatian Geological Survey).

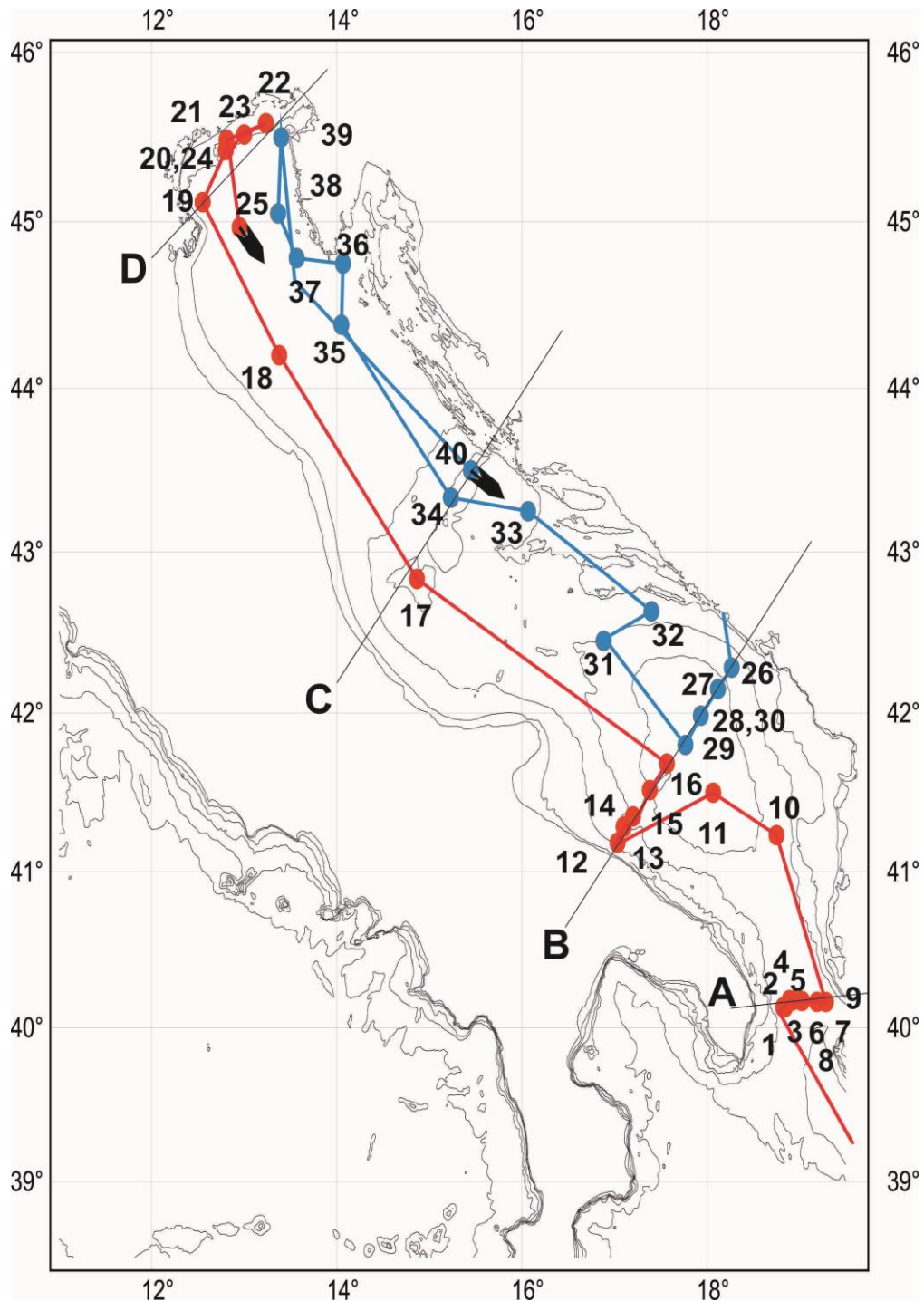
P514	Grab-36-5-1
P514	BC-27-5
P514	BC-28-5
P514	BC-28-5 0-1 cm
P514	BC-29-5
P514	MUC-29-7
P514	BC-30-2
P514	BC-31-9
P514	Grab-32-5
P514	MUC-32-12
P514	BC-33-6
P514	BC-33-12
P514	Grab-34-6
P514	BC-34-13
P514	Grab-35-4
P514	Grab 36-4
P514	Grab-37-3
P514	Grab-38-2
P514	Grab-39-3
P514	BC-39-8
P514	Grab-40-3

7. Appendix

- A. Map with stations investigated during Cruise POS514 (Heraklion-Dubrovnik, 27.05.- 16.06.2017)
- B. Station Book of Cruise POS514 (Heraklion-Dubrovnik, 27.05.- 16.06.2017)

Appendix

A. Map of POS514 stations and suggested transects



A Map of 40 stations investigated during Cruise POS514 (Heraklion-Dubrovnik, 27.05.- 16.06.2017). Red: Western Albanian/Italian Stations 1-25; Blue: Eastern Croatia Stations 26-40; A-D suggested transects A-Otranto Strait, B-Bari Transect, C-Mid Adriatic (Jabuka) Pit, D-North Adriatic-Coastal; Black arrows: Starting points of transits (see cruise narrative) to Dubrovnik (N of St. 26).

Appendix

B Station Book POS514

Activity Device Operation	Timestamp UTC	Device	Action	Latitude	Longitude	Depth (m)	Course	Latitude (deg)	Longitude (deg)	Wind Dir	Wind Velocity	Comment
POS514_1-1	29.05.2017 08:29	CTD	in the water	40° 08,003' N	018° 49,295' E	735,2	207,0	40,133387	18,821588	322	0.2	
POS514_1-1	29.05.2017 08:47	CTD	max depth/on ground	40° 07,986' N	018° 49,306' E	735,1	207,0	40,133107	18,821767	33	0.9	742 m max
POS514_1-1	29.05.2017 09:04	CTD	on deck	40° 07,978' N	018° 49,286' E	736,5	207,0	40,132972	18,821438	31	0.9	
POS514_1-2	29.05.2017 09:21	MSN	in the water	40° 07,979' N	018° 49,311' E	738,9	125,0	40,132987	18,821857	28	0.9	
POS514_1-2	29.05.2017 09:43	MSN	max depth/on ground	40° 07,938' N	018° 49,377' E	737,2	94,0	40,132295	18,822948	37	1.5	701 m max
POS514_1-2	29.05.2017 10:08	MSN	on deck	40° 07,950' N	018° 49,351' E	739,5	251,0	40,132503	18,822512	37	2.6	
POS514_1-3	29.05.2017 10:17	MSN	in the water	40° 07,969' N	018° 49,316' E	741,8	351,0	40,132822	18,821942	31	2.8	
POS514_1-3	29.05.2017 10:20	MSN	max depth/on ground	40° 07,982' N	018° 49,323' E	737,9	50,0	40,133035	18,822053	31	2.6	100 m max
POS514_1-3	29.05.2017 10:29	MSN	max depth/on ground	40° 07,982' N	018° 49,369' E	737,4	62,0	40,133038	18,822818	38	3.0	100 m max
POS514_1-3	29.05.2017 10:38	MSN	on deck	40° 07,990' N	018° 49,376' E	737,4	223,0	40,133158	18,822937	39	3.6	
POS514_2-1	29.05.2017 11:02	Multi Corer	in the water	40° 08,017' N	018° 50,645' E	762,4	18,0	40,133617	18,844085	31	3.8	
POS514_2-1	29.05.2017 11:21	Multi Corer	max depth/on ground	40° 08,023' N	018° 50,621' E	765,7	10,0	40,133713	18,843678	29	3.0	BoKo 794 m, 797 m max
POS514_2-1	29.05.2017 11:37	Multi Corer	on deck	40° 08,013' N	018° 50,602' E	768,8	184,0	40,133547	18,843360	33	2.5	
POS514_2-2	29.05.2017 12:02	Multi Corer	in the water	40° 08,029' N	018° 50,624' E	764,8	35,0	40,133812	18,843727	15	1.5	
POS514_2-2	29.05.2017 12:17	Multi Corer	max depth/on ground	40° 08,012' N	018° 50,615' E	769,6	190,0	40,133540	18,843577	352	0.8	BoKo 794 m, 797 m max
POS514_2-2	29.05.2017 12:32	Multi Corer	on deck	40° 08,030' N	018° 50,623' E	763,0	16,0	40,133827	18,843712	319	0.7	
POS514_2-3	29.05.2017 13:17	Gravity corer	in the water	40° 07,997' N	018° 50,658' E	767,3	12,0	40,133280	18,844308	330	2.1	
POS514_2-3	29.05.2017 13:33	Gravity corer	max depth/on ground	40° 07,996' N	018° 50,635' E	762,5	194,0	40,133268	18,843917	325	2.5	BoKo 789 m, 797 m max
POS514_2-3	29.05.2017 13:52	Gravity corer	on deck	40° 07,995' N	018° 50,661' E	763,3	194,0	40,133253	18,844352	340	3.0	
POS514_3-1	29.05.2017 14:44	Gravity corer	in the water	40° 10,577' N	018° 55,680' E	866,0	37,0	40,176283	18,927997	299	3.4	
POS514_3-1	29.05.2017 14:59	Gravity corer	max depth/on ground	40° 10,586' N	018° 55,652' E	865,4	271,0	40,176438	18,927535	309	3.5	BoKo = 900m SLmax = 905m
POS514_3-1	29.05.2017 15:21	Gravity corer	on deck	40° 10,562' N	018° 55,613' E	867,2	45,0	40,176032	18,926880	330	4.1	

GEOMAR
Helmholtz-Zentrum für Ozeanforschung Kiel
Seite 16

POS514_4-1	29.05.2017 16:34	CTD	in the water	40° 10,708' N	018° 53,445' E	831,4	112,0	40,178473	18,890757	347	3.1	
POS514_4-1	29.05.2017 16:50	CTD	max depth/on ground	40° 10,701' N	018° 53,495' E	831,7	23,0	40,178357	18,891577	356	3.1	sl max = 840m
POS514_4-1	29.05.2017 17:11	CTD	on deck	40° 10,701' N	018° 53,520' E	832,2	19,0	40,178345	18,891997	342	3.5	
POS514_4-2	29.05.2017 17:35	MSN	in the water	40° 10,699' N	018° 53,476' E	831,6	267,0	40,178312	18,891267	332	4.1	
POS514_4-2	29.05.2017 17:56	MSN	max depth/on ground	40° 10,698' N	018° 53,519' E	832,3	59,0	40,178293	18,891980	343	3.8	sl max = 700m
POS514_4-2	29.05.2017 18:22	MSN	on deck	40° 10,685' N	018° 53,474' E	831,7	302,0	40,178083	18,891233	354	4.3	
POS514_4-3	29.05.2017 18:28	MSN	in the water	40° 10,697' N	018° 53,453' E	831,8	305,0	40,178287	18,890880	359	4.1	
POS514_4-3	29.05.2017 18:33	MSN	max depth/on ground	40° 10,707' N	018° 53,437' E	831,2	311,0	40,178447	18,890618	351	4.0	100 m max
POS514_4-3	29.05.2017 18:41	MSN	on deck	40° 10,726' N	018° 53,419' E	830,6	336,0	40,178763	18,890318	360	3.3	
POS514_5-1	29.05.2017 19:49	CTD	in the water	40° 10,359' N	019° 01,520' E	923,3	268,0	40,172658	19,025333	349	3.8	
POS514_5-1	29.05.2017 20:09	CTD	max depth/on ground	40° 10,375' N	019° 01,526' E	917,0	0,6	40,172920	19,025427	339	3.3	931 m max
POS514_5-1	29.05.2017 20:28	CTD	on deck	40° 10,343' N	019° 01,541' E	925,5	0,6	40,172385	19,025677	347	3.4	
POS514_5-2	29.05.2017 20:44	MSN	in the water	40° 10,370' N	019° 01,549' E	919,1	75,0	40,172835	19,025812	328	3.6	
POS514_5-2	29.05.2017 21:06	MSN	max depth/on ground	40° 10,343' N	019° 01,575' E	920,6	164,0	40,172387	19,026245	340	3.9	700 m max
POS514_5-2	29.05.2017 21:33	MSN	on deck	40° 10,345' N	019° 01,589' E	916,6	165,0	40,172425	19,026482	348	4.3	
POS514_5-3	29.05.2017 21:41	MSN	in the water	40° 10,375' N	019° 01,586' E	918,9	325,0	40,172917	19,026440	349	4.2	
POS514_5-3	29.05.2017 21:44	MSN	max depth/on ground	40° 10,370' N	019° 01,583' E	916,8	325,0	40,172833	19,026380	344	4.1	100 m max
POS514_5-3	29.05.2017 21:51	MSN	on deck	40° 10,373' N	019° 01,582' E	917,4	325,0	40,172887	19,026373	359	3.9	
POS514_6-1	29.05.2017 23:16	CTD	in the water	40° 10,017' N	019° 11,272' E	956,1	81,0	40,166953	19,187862	84	5.0	
POS514_6-1	29.05.2017 23:37	CTD	max depth/on ground	40° 10,018' N	019° 11,267' E	960,9	102,0	40,166972	19,187777	86	5.0	970 m max
POS514_6-1	29.05.2017 23:54	CTD	on deck	40° 09,996' N	019° 11,305' E	959,8	112,0	40,166600	19,188413	15	3.0	
POS514_6-2	30.05.2017 00:13	MSN	in the water	40° 10,023' N	019° 11,267' E	959,7	251,0	40,167053	19,187777	29	2.6	
POS514_6-2	30.05.2017 00:35	MSN	max depth/on ground	40° 10,010' N	019° 11,253' E	958,4	75,0	40,166835	19,187557	20	2.6	700m max
POS514_6-2	30.05.2017 01:03	MSN	on deck	40° 09,999' N	019° 11,285' E	955,5	62,0	40,166647	19,188087	3	2.4	
POS514_6-3	30.05.2017 01:11	MSN	in the water	40° 10,012' N	019° 11,297' E	960,5	32,0	40,166875	19,188290	315	2.4	
POS514_6-3	30.05.2017 01:14	MSN	max depth/on ground	40° 10,022' N	019° 11,305' E	960,2	20,0	40,167028	19,188422	328	2.1	100m max
POS514_6-3	30.05.2017 01:14	MSN	on deck	40° 10,022' N	019° 11,305' E	958,8	22,0	40,167040	19,188425	330	2.1	
POS514_7-1	30.05.2017 04:05	Gravity corer	in the water	40° 10,369' N	019° 01,546' E	918,8	85,0	40,172822	19,025775	347	1.9	
POS514_7-1	30.05.2017 04:21	Gravity corer	max depth/on ground	40° 10,367' N	019° 01,538' E	919,4	262,0	40,172778	19,025633	333	1.9	BoKo = 958m; sl max = 963m
POS514_7-1	30.05.2017 04:44	Gravity corer	on deck	40° 10,362' N	019° 01,554' E	920,4	220,0	40,172693	19,025902	349	2.9	

GEOMAR
Helmholtz-Zentrum für Ozeanforschung Kiel
Seite 17

POS514_7-2	30.05.2017 05:36	Multi Corer	in the water	40° 10,364' N	019° 01,506' E	916,8	343,0	40,172733	19,025103	352	2.9	
POS514_7-2	30.05.2017 05:59	Multi Corer	max depth/on ground	40° 10,356' N	019° 01,566' E	916,9	62,0	40,172602	19,026102	354	2.0	sl max = 958m
POS514_7-2	30.05.2017 06:19	Multi Corer	on deck	40° 10,366' N	019° 01,595' E	923,9	89,0	40,172773	19,026588	3	2.3	
POS514_8-1	30.05.2017 07:29	Multi Corer	in the water	40° 10,018' N	019° 11,313' E	957,9	233,0	40,166975	19,188558	26	0.6	
POS514_8-1	30.05.2017 07:51	Multi Corer	max depth/on ground	40° 10,022' N	019° 11,264' E	960,0	241,0	40,167040	19,187725	22	0.7	997 m max
POS514_8-1	30.05.2017 08:09	Multi Corer	on deck	40° 10,040' N	019° 11,305' E	960,4	214,0	40,167332	19,188415	147	0.4	
POS514_8-2	30.05.2017 08:40	Gravity corer	in the water	40° 10,005' N	019° 11,330' E	959,7	48,0	40,166750	19,188840	160	0.3	
POS514_8-2	30.05.2017 08:57	Gravity corer	max depth/on ground	40° 10,023' N	019° 11,326' E	958,6	48,0	40,167047	19,188772	200	0.5	1003 m max
POS514_8-2	30.05.2017 09:16	Gravity corer	on deck	40° 10,072' N	019° 11,337' E	959,5	61,0	40,167870	19,188957	200	0.8	
POS514_9-1	30.05.2017 10:55	Multi Corer	in the water	40° 09,977' N	019° 17,011' E	942,2	56,0	40,166285	19,283517	171	0.8	
POS514_9-1	30.05.2017 11:13	Multi Corer	max depth/on ground	40° 09,984' N	019° 17,092' E	944,7	119,0	40,166402	19,284868	141	1.0	BoKo 983 m, sl 985 m max
POS514_9-1	30.05.2017 11:33	Multi Corer	on deck	40° 09,946' N	019° 17,069' E	942,9	233,0	40,165763	19,284475	192	2.3	
POS514_9-2	30.05.2017 12:10	Multi Corer	in the water	40° 09,998' N	019° 17,036' E	947,6	309,0	40,166635	19,283935	222	2.3	
POS514_9-2	30.05.2017 12:31	Multi Corer	max depth/on ground	40° 10,027' N	019° 17,035' E	946,6	351,0	40,167118	19,283920	218	2.5	BoKo 981 m, sl 984 m max
POS514_9-2	30.05.2017 12:50	Multi Corer	on deck	40° 10,012' N	019° 17,045' E	946,0	173,0	40,166860	19,284092	208	1.9	
POS514_9-3	30.05.2017 13:27	CTD	in the water	40° 10,001' N	019° 17,018' E	944,0	105,0	40,166685	19,283637	211	2.1	
POS514_9-3	30.05.2017 13:49	CTD	max depth/on ground	40° 10,028' N	019° 17,013' E	943,0	37,0	40,167137	19,283548	223	2.8	sl 956 m max
POS514_9-3	30.05.2017 14:07	CTD	on deck	40° 10,037' N	019° 16,976' E	942,6	138,0	40,167287	19,282933	218	2.7	
POS514_9-4	30.05.2017 14:31	MSN	in the water	40° 10,008' N	019° 17,002' E	944,4	108,0	40,166808	19,283368	205	2.9	
POS514_9-4	30.05.2017 14:52	MSN	max depth/on ground	40° 10,022' N	019° 17,010' E	941,6	155,0	40,167035	19,283503	201	3.4	sl max = 700m
POS514_9-4	30.05.2017 15:16	MSN	on deck	40° 10,007' N	019° 17,012' E	945,8	211,0	40,166782	19,283528	199	3.6	
POS514_9-5	30.05.2017 15:22	MSN	in the water	40° 09,997' N	019° 16,997' E	943,5	220,0	40,166613	19,283288	201	3.5	
POS514_9-5	30.05.2017 15:26	MSN	max depth/on ground	40° 10,000' N	019° 17,002' E	942,4	220,0	40,166662	19,283363	195	3.1	sl max 100m
POS514_9-5	30.05.2017 15:34	MSN	on deck	40° 10,011' N	019° 17,007' E	944,4	37,0	40,166848	19,283443	196	3.4	
POS514_10-1	31.05.2017 04:00	CTD	in the water	41° 13,914' N	018° 45,083' E	404,6	175,0	41,231903	18,751383	165	5.3	
POS514_10-1	31.05.2017 04:11	CTD	max depth/on ground	41° 13,915' N	018° 45,092' E	404,5	159,0	41,231918	18,751527	164	6.0	sl max = 405m
POS514_10-1	31.05.2017 04:20	CTD	on deck	41° 13,923' N	018° 45,092' E	404,5	333,0	41,232053	18,751542	159	6.0	
POS514_10-2	31.05.2017 04:36	MSN	in the water	41° 13,921' N	018° 45,091' E	404,5	19,0	41,232020	18,751522	157	5.7	
POS514_10-2	31.05.2017 04:48	MSN	max depth/on ground	41° 13,910' N	018° 45,076' E	404,7	226,0	41,231835	18,751260	159	5.8	sl max = 380m
POS514_10-2	31.05.2017 05:04	MSN	on deck	41° 13,908' N	018° 45,096' E	404,5	124,0	41,231807	18,751593	166	6.2	

GEOMAR
Helmholtz-Zentrum für Ozeanforschung Kiel
Seite 18

POS514_10-3	31.05.2017 05:10	MSN	in the water	41° 13,921' N	018° 45,099' E	404,5	9,0	41,232017	18,751643	165	6.1	
POS514_10-3	31.05.2017 05:14	MSN	max depth/on ground	41° 13,913' N	018° 45,089' E	404,7	197,0	41,231880	18,751478	167	5.5	sl max = 100m
POS514_10-3	31.05.2017 05:20	MSN	on deck	41° 13,909' N	018° 45,087' E	404,6	197,0	41,231823	18,751455	168	5.8	
POS514_10-4	31.05.2017 05:42	MSN	in the water	41° 13,911' N	018° 45,096' E	404,6	135,0	41,231853	18,751600	162	6.4	
POS514_10-4	31.05.2017 05:46	MSN	max depth/on ground	41° 13,917' N	018° 45,096' E	404,6	135,0	41,231948	18,751598	164	6.8	sl max = 100m
POS514_10-4	31.05.2017 05:55	MSN	on deck	41° 13,910' N	018° 45,111' E	404,5	153,0	41,231838	18,751847	168	6.5	
POS514_10-5	31.05.2017 06:20	Frahm Corer	in the water	41° 13,925' N	018° 45,066' E	404,9	134,0	41,232090	18,751105	173	6.8	
POS514_10-5	31.05.2017 06:29	Frahm Corer	max depth/on ground	41° 13,922' N	018° 45,079' E	404,8	134,0	41,232035	18,751310	174	6.3	418 m max
POS514_10-5	31.05.2017 06:41	Frahm Corer	on deck	41° 13,928' N	018° 45,074' E	405,2	134,0	41,232127	18,751230	169	6.3	
POS514_10-6	31.05.2017 06:50	Frahm Corer	in the water	41° 13,930' N	018° 45,067' E	404,9	134,0	41,232160	18,751123	172	6.0	
POS514_10-6	31.05.2017 07:00	Frahm Corer	max depth/on ground	41° 13,919' N	018° 45,063' E	404,9	134,0	41,231978	18,751050	170	5.6	417 m max
POS514_10-6	31.05.2017 07:17	Frahm Corer	on deck	41° 13,932' N	018° 45,058' E	405,0	134,0	41,232205	18,750967	171	5.2	
POS514_10-7	31.05.2017 07:23	Multi Corer	in the water	41° 13,930' N	018° 45,069' E	399,8	134,0	41,232162	18,751150	173	5.3	
POS514_10-7	31.05.2017 07:34	Multi Corer	max depth/on ground	41° 13,920' N	018° 45,088' E	404,7	137,0	41,231995	18,751467	167	4.1	422 m max
POS514_10-7	31.05.2017 07:42	Multi Corer	on deck	41° 13,916' N	018° 45,089' E	404,7	137,0	41,231933	18,751475	164	3.7	
POS514_10-8	31.05.2017 08:17	Gravity corer	in the water	41° 13,915' N	018° 45,104' E	404,5	118,0	41,231917	18,751732	163	4.5	
POS514_10-8	31.05.2017 08:25	Gravity corer	max depth/on ground	41° 13,920' N	018° 45,089' E	405,6	318,0	41,232002	18,751482	156	4.2	426 m max
POS514_10-8	31.05.2017 08:34	Gravity corer	on deck	41° 13,920' N	018° 45,062' E	405,6	318,0	41,231998	18,751040	156	4.1	
POS514_11-1	31.05.2017 12:57	Gravity corer	in the water	41° 29,974' N	018° 04,011' E	1162,5	61,0	41,499572	18,066847	158	3.4	
POS514_11-1	31.05.2017 13:21	Gravity corer	max depth/on ground	41° 29,995' N	018° 04,063' E	1171,4	211,0	41,499922	18,067712	144	3.3	BoKo 1206 m, SL 1218 m max
POS514_11-1	31.05.2017 13:48	Gravity corer	on deck	41° 30,003' N	018° 04,040' E	1162,8	200,0	41,500050	18,067332	153	2.9	
POS514_11-2	31.05.2017 14:56	Multi Corer	in the water	41° 30,010' N	018° 04,037' E	1163,8	171,0	41,500173	18,067285	153	3.7	
POS514_11-2	31.05.2017 15:24	Multi Corer	max depth/on ground	41° 29,997' N	018° 04,020' E	1162,0	171,0	41,499952	18,066993	153	3.8	BoKo =1212 m
POS514_11-2	31.05.2017 15:49	Multi Corer	on deck	41° 29,980' N	018° 04,046' E	1162,1	171,0	41,499670	18,067435	151	3.5	
POS514_11-3	31.05.2017 16:25	CTD	in the water	41° 29,978' N	018° 04,043' E	1162,7	259,0	41,499627	18,067392	161	2.7	
POS514_11-3	31.05.2017 16:51	CTD	max depth/on ground	41° 29,993' N	018° 04,013' E	1162,4	260,0	41,499888	18,066887	175	2.1	sl max = 1178m
POS514_11-3	31.05.2017 17:14	CTD	on deck	41° 29,995' N	018° 03,996' E	1162,0	260,0	41,499915	18,066600	174	2.3	
POS514_11-4	31.05.2017 17:32	MSN	in the water	41° 29,988' N	018° 04,032' E	1167,6	260,0	41,499800	18,067203	180	3.0	
POS514_11-4	31.05.2017 17:36	MSN	max depth/on ground	41° 29,991' N	018° 04,029' E	1162,1	260,0	41,499843	18,067148	179	2.8	sl max = 100m
POS514_11-4	31.05.2017 17:44	MSN	on deck	41° 29,987' N	018° 04,004' E	1161,9	260,0	41,499787	18,066727	176	2.5	

GEOMAR
Helmholtz-Zentrum für Ozeanforschung Kiel
Seite 19

POS514_11-5	31.05.2017 18:00	MSN	in the water	41° 29,990' N	018° 04,003' E	1170,5	260,0	41,499828	18,066708	163	2.7	
POS514_11-5	31.05.2017 18:05	MSN	max depth/on ground	41° 30,001' N	018° 03,994' E	1163,8	260,0	41,500008	18,066560	155	2.5	100 m max
POS514_11-5	31.05.2017 18:11	MSN	on deck	41° 30,008' N	018° 03,988' E	1161,7	260,0	41,500135	18,066460	151	2.4	
POS514_11-6	31.05.2017 18:16	MSN	in the water	41° 30,011' N	018° 03,982' E	1167,5	260,0	41,500182	18,066367	157	2.4	
POS514_11-6	31.05.2017 18:37	MSN	max depth/on ground	41° 30,003' N	018° 04,009' E	1162,9	260,0	41,500045	18,066822	155	1.8	700 m max
POS514_11-6	31.05.2017 19:03	MSN	on deck	41° 29,950' N	018° 04,044' E	1161,7	146,0	41,499168	18,067393	69	1.6	
POS514_12-1	01.06.2017 04:00	MSN	in the water	41° 11,005' N	017° 02,030' E	108,4	230,0	41,183413	17,033830	265	4.7	
POS514_12-1	01.06.2017 04:04	MSN	max depth/on ground	41° 10,998' N	017° 02,013' E	109,3	241,0	41,183307	17,033557	272	4.3	sl max = 100m
POS514_12-1	01.06.2017 04:10	MSN	on deck	41° 11,002' N	017° 02,016' E	109,3	241,0	41,183362	17,033603	283	4.0	
POS514_12-2	01.06.2017 04:16	MSN	in the water	41° 11,001' N	017° 02,000' E	109,7	241,0	41,183348	17,033340	280	3.6	
POS514_12-2	01.06.2017 04:19	MSN	max depth/on ground	41° 11,001' N	017° 02,000' E	109,7	241,0	41,183355	17,033327	284	3.1	sl max = 100m
POS514_12-2	01.06.2017 04:26	MSN	on deck	41° 10,995' N	017° 02,011' E	109,6	241,0	41,183253	17,033515	295	2.9	
POS514_12-3	01.06.2017 04:40	MSN	in the water	41° 11,013' N	017° 01,986' E	109,8	311,0	41,183555	17,033100	320	2.6	
POS514_12-3	01.06.2017 04:43	MSN	max depth/on ground	41° 11,012' N	017° 01,984' E	109,8	311,0	41,183537	17,033067	320	2.2	sl max = 100m
POS514_12-3	01.06.2017 04:52	MSN	on deck	41° 10,995' N	017° 02,005' E	109,6	110,0	41,183252	17,033418	315	2.7	
POS514_12-4	01.06.2017 05:02	CTD	in the water	41° 10,994' N	017° 02,027' E	109,1	68,0	41,183238	17,033787	332	2.3	
POS514_12-4	01.06.2017 05:08	CTD	max depth/on ground	41° 11,002' N	017° 02,010' E	109,2	293,0	41,183372	17,033493	342	2.4	sl max = 106m
POS514_12-4	01.06.2017 05:11	CTD	on deck	41° 11,004' N	017° 01,996' E	109,5	291,0	41,183408	17,033263	344	2.2	
POS514_12-5	01.06.2017 05:22	Van Veen Grab	in the water	41° 11,012' N	017° 01,985' E	109,8	304,0	41,183530	17,033090	343	1.9	
POS514_12-5	01.06.2017 05:25	Van Veen Grab	max depth/on ground	41° 11,006' N	017° 01,996' E	109,5	304,0	41,183425	17,033267	350	2.0	BoKo = m
POS514_12-5	01.06.2017 05:29	Van Veen Grab	on deck	41° 11,003' N	017° 02,005' E	109,2	304,0	41,183392	17,033420	358	2.0	
POS514_12-6	01.06.2017 05:32	Van Veen Grab	in the water	41° 11,004' N	017° 02,011' E	109,0	304,0	41,183400	17,033513	359	1.8	
POS514_12-6	01.06.2017 05:34	Van Veen Grab	max depth/on ground	41° 11,004' N	017° 02,013' E	109,0	304,0	41,183397	17,033547	353	1.8	BoKo = 115m
POS514_12-6	01.06.2017 05:37	Van Veen Grab	on deck	41° 11,006' N	017° 02,015' E	108,9	304,0	41,183428	17,033587	350	1.6	
POS514_12-7	01.06.2017 05:40	Van Veen Grab	in the water	41° 11,007' N	017° 02,017' E	108,8	304,0	41,183452	17,033618	346	1.6	
POS514_12-7	01.06.2017 05:42	Van Veen Grab	max depth/on ground	41° 11,007' N	017° 02,018' E	108,9	304,0	41,183455	17,033637	352	1.5	BoKo = 115m
POS514_12-7	01.06.2017 05:45	Van Veen Grab	on deck	41° 11,006' N	017° 02,016' E	109,0	304,0	41,183432	17,033605	353	1.4	
POS514_12-8	01.06.2017 06:13	Box Corer	in the water	41° 11,000' N	017° 02,000' E	109,9	304,0	41,183327	17,033340	1	1.3	
POS514_12-8	01.06.2017 06:17	Box Corer	max depth/on ground	41° 10,994' N	017° 02,010' E	109,8	304,0	41,183235	17,033508	358	1.3	114 m max
POS514_12-8	01.06.2017 06:21	Box Corer	on deck	41° 10,991' N	017° 02,020' E	109,7	304,0	41,183177	17,033665	353	1.4	

GEOMAR
Helmholtz-Zentrum für Ozeanforschung Kiel
Seite 20

POS514_12-9	01.06.2017 06:39	Box Corer	in the water	41° 11,000' N	017° 01,988' E	110,1	304,0	41,183333	17,033140	341	1.6	
POS514_12-9	01.06.2017 06:42	Box Corer	max depth/on ground	41° 11,000' N	017° 01,982' E	110,4	304,0	41,183338	17,033033	359	1.3	115 m max
POS514_12-9	01.06.2017 06:46	Box Corer	on deck	41° 11,002' N	017° 01,980' E	110,4	304,0	41,183360	17,033000	16	1.4	
POS514_12-10	01.06.2017 06:52	Box Corer	in the water	41° 11,003' N	017° 01,986' E	110,1	304,0	41,183390	17,033100	11	1.1	
POS514_12-10	01.06.2017 06:56	Box Corer	max depth/on ground	41° 10,999' N	017° 01,987' E	110,3	304,0	41,183323	17,033120	348	1.0	115 m max
POS514_12-10	01.06.2017 06:58	Box Corer	on deck	41° 10,997' N	017° 01,991' E	110,3	304,0	41,183287	17,033185	340	1.0	
POS514_12-11	01.06.2017 07:09	Van Veen Grab	in the water	41° 10,997' N	017° 01,988' E	110,4	304,0	41,183285	17,033135	357	0.9	
POS514_12-11	01.06.2017 07:12	Van Veen Grab	max depth/on ground	41° 11,000' N	017° 01,984' E	110,3	304,0	41,183330	17,033075	2	0.9	116 m max
POS514_12-11	01.06.2017 07:15	Van Veen Grab	on deck	41° 11,003' N	017° 01,983' E	110,2	304,0	41,183377	17,033052	1	0.9	
POS514_12-12	01.06.2017 07:19	Van Veen Grab	in the water	41° 11,009' N	017° 01,987' E	109,9	304,0	41,183488	17,033113	351	0.8	
POS514_12-12	01.06.2017 07:23	Van Veen Grab	max depth/on ground	41° 11,013' N	017° 01,994' E	109,6	304,0	41,183553	17,033238	358	1.1	115 m max
POS514_12-12	01.06.2017 07:26	Van Veen Grab	on deck	41° 11,016' N	017° 01,996' E	109,3	304,0	41,183605	17,033268	6	1.1	
POS514_12-13	01.06.2017 07:32	Van Veen Grab	in the water	41° 11,021' N	017° 02,000' E	109,2	304,0	41,183688	17,033333	344	1.2	
POS514_12-13	01.06.2017 07:35	Van Veen Grab	max depth/on ground	41° 11,024' N	017° 02,004' E	109,1	304,0	41,183728	17,033400	331	1.2	115 m max
POS514_12-13	01.06.2017 07:39	Van Veen Grab	on deck	41° 11,027' N	017° 02,012' E	109,0	304,0	41,183783	17,033538	331	1.2	
POS514_12-14	01.06.2017 07:47	Frahm Corer	in the water	41° 11,032' N	017° 02,026' E	109,0	304,0	41,183872	17,033767	12	1.3	
POS514_12-14	01.06.2017 07:50	Frahm Corer	max depth/on ground	41° 11,034' N	017° 02,031' E	109,1	304,0	41,183907	17,033853	14	1.2	114 m max
POS514_12-14	01.06.2017 07:51	Frahm Corer	on deck	41° 11,034' N	017° 02,032' E	109,1	304,0	41,183908	17,033862	12	1.3	
POS514_12-15	01.06.2017 08:01	Multi Corer	in the water	41° 11,034' N	017° 02,017' E	108,9	304,0	41,183893	17,033612	18	1.5	
POS514_12-15	01.06.2017 08:04	Multi Corer	max depth/on ground	41° 11,028' N	017° 02,010' E	109,0	304,0	41,183803	17,033495	18	1.4	BoKo = 117m
POS514_12-15	01.06.2017 08:07	Multi Corer	on deck	41° 11,024' N	017° 02,005' E	109,1	304,0	41,183735	17,033417	360	1.4	
POS514_13-1	01.06.2017 11:29	Frahm Corer	in the water	41° 16,996' N	017° 06,009' E	145,0	42,0	41,283272	17,100143	58	2.9	
POS514_13-1	01.06.2017 11:33	Frahm Corer	max depth/on ground	41° 17,009' N	017° 06,024' E	145,5	48,0	41,283483	17,100398	60	3.1	BoKo 152 m, SL 153 m max
POS514_13-1	01.06.2017 11:36	Frahm Corer	on deck	41° 17,005' N	017° 06,021' E	145,6	48,0	41,283422	17,100353	54	2.4	
POS514_13-2	01.06.2017 11:41	Frahm Corer	in the water	41° 17,009' N	017° 06,007' E	146,1	266,0	41,283483	17,100113	49	2.5	
POS514_13-2	01.06.2017 11:44	Frahm Corer	max depth/on ground	41° 17,015' N	017° 06,005' E	147,0	266,0	41,283582	17,100078	53	3.1	BoKo 151 m, SL 152 m max
POS514_13-2	01.06.2017 11:48	Frahm Corer	on deck	41° 17,026' N	017° 06,000' E	146,9	321,0	41,283765	17,099993	53	3.3	
POS514_13-3	01.06.2017 11:52	Frahm Corer	in the water	41° 17,029' N	017° 05,975' E	147,2	235,0	41,283822	17,099582	57	3.3	
POS514_13-3	01.06.2017 11:55	Frahm Corer	max depth/on ground	41° 17,027' N	017° 05,976' E	147,5	235,0	41,283780	17,099597	59	3.2	BoKo 152 m, SL 154 m max
POS514_13-3	01.06.2017 11:58	Frahm Corer	max depth/on ground	41° 17,024' N	017° 05,977' E	147,0	235,0	41,283725	17,099617	62	3.1	

GEOMAR
Helmholtz-Zentrum für Ozeanforschung Kiel
Seite 21

POS514_13-4	01.06.2017 12:08	CTD	in the water	41° 16,989' N	017° 06,021' E	145,3	182,0	41,283148	17,100345	60	3.5	
POS514_13-4	01.06.2017 12:15	CTD	max depth/on ground	41° 16,992' N	017° 06,035' E	145,8	41,0	41,283205	17,100592	59	3.7	143 m
POS514_13-4	01.06.2017 12:18	CTD	on deck	41° 16,987' N	017° 06,046' E	146,4	41,0	41,283117	17,100762	60	3.2	
POS514_13-5	01.06.2017 12:29	Van Veen Grab	in the water	41° 16,985' N	017° 06,012' E	145,3	241,0	41,283080	17,100198	61	2.5	
POS514_13-5	01.06.2017 12:33	Van Veen Grab	max depth/on ground	41° 16,979' N	017° 05,991' E	145,4	241,0	41,282978	17,099845	56	3.0	BoKo 151 m, SL 152 m max
POS514_13-5	01.06.2017 12:38	Van Veen Grab	on deck	41° 16,971' N	017° 05,986' E	145,3	242,0	41,282845	17,099768	56	3.5	
POS514_13-6	01.06.2017 12:40	Van Veen Grab	in the water	41° 16,974' N	017° 05,978' E	145,6	288,0	41,282907	17,099630	61	3.7	
POS514_13-6	01.06.2017 12:40	Van Veen Grab	max depth/on ground	41° 16,975' N	017° 05,976' E	145,6	288,0	41,282918	17,099603	60	3.8	BoKo 151 m, SL 152 m max
POS514_13-6	01.06.2017 12:46	Van Veen Grab	on deck	41° 16,964' N	017° 05,974' E	142,1	282,0	41,282733	17,099570	62	3.5	
POS514_13-7	01.06.2017 12:53	Van Veen Grab	in the water	41° 17,006' N	017° 05,993' E	146,0	61,0	41,283430	17,099887	63	3.6	
POS514_13-7	01.06.2017 12:56	Van Veen Grab	max depth/on ground	41° 17,002' N	017° 06,001' E	146,5	61,0	41,283367	17,100013	63	3.1	BoKo 152 m, SL 154 m max
POS514_13-7	01.06.2017 12:59	Van Veen Grab	on deck	41° 16,994' N	017° 06,006' E	145,8	139,0	41,283240	17,100097	65	3.1	
POS514_13-8	01.06.2017 13:02	Van Veen Grab	in the water	41° 16,991' N	017° 06,017' E	145,9	132,0	41,283177	17,100290	71	3.1	
POS514_13-8	01.06.2017 13:05	Van Veen Grab	max depth/on ground	41° 16,998' N	017° 06,019' E	146,1	348,0	41,283295	17,100323	64	3.8	BoKo 151 m, SL 153 m max
POS514_13-8	01.06.2017 13:08	Van Veen Grab	on deck	41° 17,011' N	017° 06,014' E	146,1	350,0	41,283523	17,100230	63	3.7	
POS514_13-9	01.06.2017 13:12	Van Veen Grab	in the water	41° 17,016' N	017° 06,012' E	147,2	348,0	41,283597	17,100198	62	3.1	
POS514_13-9	01.06.2017 13:14	Van Veen Grab	max depth/on ground	41° 17,012' N	017° 06,009' E	146,7	348,0	41,283532	17,100147	62	3.6	BoKo 152 m, SL 154 m max
POS514_13-9	01.06.2017 13:17	Van Veen Grab	on deck	41° 17,007' N	017° 06,002' E	146,0	348,0	41,283443	17,100033	63	3.5	
POS514_13-10	01.06.2017 13:19	Van Veen Grab	in the water	41° 17,002' N	017° 05,998' E	145,9	204,0	41,283367	17,099975	63	3.4	
POS514_13-10	01.06.2017 13:23	Van Veen Grab	max depth/on ground	41° 16,997' N	017° 05,990' E	145,9	204,0	41,283290	17,099837	67	3.2	BoKo 151 m, SL 152 m max
POS514_13-10	01.06.2017 13:26	Van Veen Grab	on deck	41° 17,007' N	017° 05,990' E	146,6	204,0	41,283445	17,099830	65	3.2	
POS514_13-11	01.06.2017 13:33	Box Corer	in the water	41° 17,022' N	017° 05,995' E	146,9	158,0	41,283702	17,099925	65	3.4	
POS514_13-11	01.06.2017 13:37	Box Corer	max depth/on ground	41° 17,000' N	017° 06,005' E	145,6	159,0	41,283328	17,100082	63	3.0	BoKo 150 m, SL 152 m max
POS514_13-11	01.06.2017 13:40	Box Corer	on deck	41° 16,993' N	017° 06,009' E		161,0	41,283223	17,100157	64	2.8	
POS514_13-12	01.06.2017 13:44	Box Corer	in the water	41° 16,989' N	017° 06,013' E	145,4	161,0	41,283158	17,100212	69	2.9	
POS514_13-12	01.06.2017 13:47	Box Corer	max depth/on ground	41° 16,991' N	017° 06,014' E	145,5	161,0	41,283180	17,100227	66	2.9	BoKo 150 m, SL 152 m max
POS514_13-12	01.06.2017 13:50	Box Corer	on deck	41° 16,997' N	017° 06,015' E	146,0	161,0	41,283288	17,100255	70	2.7	
POS514_13-13	01.06.2017 13:56	Box Corer	in the water	41° 17,015' N	017° 06,022' E	147,7	16,0	41,283590	17,100370	69	2.5	
POS514_13-13	01.06.2017 13:59	Box Corer	max depth/on ground	41° 17,021' N	017° 06,032' E	148,3	16,0	41,283683	17,100532	67	2.4	BoKo 151 m, SL 154m max
POS514_13-13	01.06.2017 14:03	Box Corer	on deck	41° 17,024' N	017° 06,040' E	148,9	16,0	41,283727	17,100668	70	2.6	

GEOMAR
Helmholtz-Zentrum für Ozeanforschung Kiel
Seite 22

POS514_13-14	01.06.2017 14:17	MSN	in the water	41° 17,144' N	017° 06,015' E	150,0	33,0	41,285732	17,100247	94	2.0	
POS514_13-14	01.06.2017 14:23	MSN	max depth/on ground	41° 17,166' N	017° 06,007' E	149,3	336,0	41,286100	17,100117	91	2.3	sl max = 100m
POS514_13-14	01.06.2017 14:32	MSN	on deck	41° 17,191' N	017° 05,973' E	146,9	269,0	41,286517	17,099550	117	1.8	
POS514_13-15	01.06.2017 14:49	MSN	in the water	41° 17,163' N	017° 05,933' E	147,9	254,0	41,286045	17,098880	120	2.2	
POS514_13-15	01.06.2017 14:55	MSN	max depth/on ground	41° 17,158' N	017° 05,932' E	148,4	254,0	41,285960	17,098865	119	2.5	sl max = 130m
POS514_13-15	01.06.2017 15:03	MSN	on deck	41° 17,137' N	017° 05,938' E	148,9	143,0	41,285620	17,098972	123	2.3	
POS514_13-16	01.06.2017 15:07	MSN	in the water	41° 17,127' N	017° 05,969' E	149,4	80,0	41,285452	17,099488	128	2.3	
POS514_13-16	01.06.2017 15:11	MSN	max depth/on ground	41° 17,133' N	017° 05,988' E	149,7	54,0	41,285555	17,099795	123	2.6	sl max 100m
POS514_13-16	01.06.2017 15:19	MSN	on deck	41° 17,157' N	017° 06,024' E	150,6	54,0	41,285947	17,100392	131	2.6	
POS514_14-2	01.06.2017 18:33	MSN	in the water	41° 21,001' N	017° 11,998' E	551,0	24,0	41,350008	17,199975	111	1.4	
POS514_14-2	01.06.2017 18:36	MSN	max depth/on ground	41° 21,001' N	017° 11,991' E	549,9	24,0	41,350008	17,199848	116	1.4	100 m max
POS514_14-2	01.06.2017 18:43	MSN	on deck	41° 21,000' N	017° 11,975' E	547,5	24,0	41,350000	17,199577	108	1.8	
POS514_14-3	01.06.2017 18:48	MSN	in the water	41° 20,998' N	017° 11,955' E	544,8	274,0	41,349960	17,199248	117	2.1	
POS514_14-3	01.06.2017 19:03	MSN	max depth/on ground	41° 21,016' N	017° 11,915' E	549,7	305,0	41,350273	17,198575	94	2.2	500 m max
POS514_14-3	01.06.2017 19:21	MSN	on deck	41° 21,009' N	017° 11,923' E	541,9	305,0	41,350143	17,198722	98	2.2	
POS514_14-4	01.06.2017 19:36	MSN	in the water	41° 20,997' N	017° 11,935' E	542,0	305,0	41,349943	17,198908	91	2.3	
POS514_14-4	01.06.2017 19:39	MSN	max depth/on ground	41° 20,994' N	017° 11,940' E	542,6	305,0	41,349897	17,198995	96	2.3	100 m max
POS514_14-4	01.06.2017 19:48	MSN	on deck	41° 20,997' N	017° 11,972' E	546,9	77,0	41,349952	17,199538	100	2.5	
POS514_14-5	01.06.2017 19:57	CTD	in the water	41° 21,009' N	017° 12,012' E	553,8	62,0	41,350142	17,200192	101	2.3	
POS514_14-5	01.06.2017 20:11	CTD	max depth/on ground	41° 21,018' N	017° 12,005' E	561,5	62,0	41,350300	17,200085	131	2.4	555 m max
POS514_14-5	01.06.2017 20:19	CTD	on deck	41° 21,028' N	017° 11,996' E	558,1	62,0	41,350463	17,199927	132	2.5	
POS514_14-6	01.06.2017 20:28	Van Veen Grab	in the water	41° 21,039' N	017° 11,985' E	552,7	62,0	41,350643	17,199750	126	2.5	
POS514_14-6	01.06.2017 20:37	Van Veen Grab	max depth/on ground	41° 21,027' N	017° 11,989' E	551,4	62,0	41,350448	17,199825	128	2.1	568 m max
POS514_14-6	01.06.2017 20:51	Van Veen Grab	on deck	41° 21,002' N	017° 12,007' E	550,5	62,0	41,350025	17,200112	143	1.1	
POS514_14-7	01.06.2017 20:56	Van Veen Grab	in the water	41° 20,994' N	017° 12,013' E	550,7	62,0	41,349905	17,200217	133	1.1	
POS514_14-7	01.06.2017 20:56	Van Veen Grab	max depth/on ground	41° 20,993' N	017° 12,013' E	550,7	62,0	41,349887	17,200223	132	1.2	567 m max
POS514_14-7	01.06.2017 21:20	Van Veen Grab	on deck	41° 20,980' N	017° 12,012' E	548,6	62,0	41,349672	17,200205	101	1.8	
POS514_14-8	01.06.2017 21:30	Van Veen Grab	in the water	41° 20,976' N	017° 12,014' E	549,1	62,0	41,349608	17,200230	90	1.5	
POS514_14-8	01.06.2017 21:42	Van Veen Grab	max depth/on ground	41° 20,977' N	017° 12,037' E	552,2	62,0	41,349622	17,200613	69	1.6	567 m max
POS514_14-8	01.06.2017 21:54	Van Veen Grab	on deck	41° 20,982' N	017° 12,050' E	559,1	62,0	41,349700	17,200837	38	1.4	

GEOMAR
Helmholtz-Zentrum für Ozeanforschung Kiel
Seite 23

POS514_14-9	01.06.2017 22:00	Van Veen Grab	in the water	41° 20,976' N	017° 12,056' E	554,6	62,0	41,349608	17,200942	43	1.4	
POS514_14-9	01.06.2017 22:11	Van Veen Grab	max depth/on ground	41° 20,989' N	017° 12,063' E	557,3	62,0	41,349825	17,201048	38	1.1	BoKo 573 m, SL 575 m max
POS514_14-9	01.06.2017 22:19	Van Veen Grab	on deck	41° 21,007' N	017° 12,047' E	557,0	322,0	41,350117	17,200785	21	0.7	
POS514_14-10	01.06.2017 22:23	Van Veen Grab	in the water	41° 21,014' N	017° 12,038' E	556,4	299,0	41,350225	17,200627	38	0.6	
POS514_14-10	01.06.2017 22:33	Van Veen Grab	max depth/on ground	41° 21,025' N	017° 12,022' E	555,8	300,0	41,350422	17,200368	45	0.9	BoKo 571 m, SL 573 m max
POS514_14-10	01.06.2017 22:40	Van Veen Grab	on deck	41° 21,033' N	017° 12,024' E	556,6	300,0	41,350542	17,200397	29	1.0	
POS514_14-11	01.06.2017 22:45	Van Veen Grab	in the water	41° 21,041' N	017° 12,027' E	558,1	300,0	41,350680	17,200442	49	0.8	
POS514_14-11	01.06.2017 22:54	Van Veen Grab	max depth/on ground	41° 21,054' N	017° 12,057' E	562,4	76,0	41,350907	17,200958	14	0.8	BoKo 579 m, SL 579 m max
POS514_14-11	01.06.2017 23:02	Van Veen Grab	on deck	41° 21,051' N	017° 12,083' E	564,5	76,0	41,350845	17,201390	354	0.6	
POS514_14-12	01.06.2017 23:12	Frahm Corer	in the water	41° 21,042' N	017° 12,077' E	560,6	76,0	41,350703	17,201285	250	0.3	
POS514_14-12	01.06.2017 23:22	Frahm Corer	max depth/on ground	41° 21,029' N	017° 12,035' E	558,4	254,0	41,350485	17,200578	320	0.5	BoKo 576 m, SL 578 m max
POS514_14-12	01.06.2017 23:30	Frahm Corer	on deck	41° 21,021' N	017° 12,023' E	552,9	217,0	41,350347	17,200377	322	0.7	
POS514_14-13	01.06.2017 23:34	Frahm Corer	in the water	41° 21,024' N	017° 12,021' E	553,4	217,0	41,350402	17,200350	298	0.7	
POS514_14-13	01.06.2017 23:42	Frahm Corer	max depth/on ground	41° 21,026' N	017° 12,037' E	556,2	217,0	41,350427	17,200623	337	0.9	BoKo 573 m, SL 575 m max
POS514_14-13	01.06.2017 23:48	Frahm Corer	on deck	41° 21,028' N	017° 12,046' E	557,5	217,0	41,350465	17,200768	343	1.1	
POS514_14-14	01.06.2017 23:53	Frahm Corer	in the water	41° 21,032' N	017° 12,043' E	558,3	217,0	41,350532	17,200722	344	1.0	
POS514_14-14	02.06.2017 00:01	Frahm Corer	max depth/on ground	41° 21,042' N	017° 12,043' E	560,3	217,0	41,350693	17,200718	356	1.3	BoKo 574 m, SL 576 m max
POS514_14-14	02.06.2017 00:07	Frahm Corer	on deck	41° 21,046' N	017° 12,065' E	562,0	101,0	41,350770	17,201090	23	1.5	
POS514_15-2	02.06.2017 04:02	CTD	in the water	41° 31,013' N	017° 22,996' E	920,1	244,0	41,516883	17,383260	112	1.3	
POS514_15-2	02.06.2017 04:23	CTD	max depth/on ground	41° 31,008' N	017° 22,997' E	919,6	56,0	41,516802	17,383283	126	1.4	sl max = 944m
POS514_15-2	02.06.2017 04:41	CTD	on deck	41° 30,993' N	017° 22,981' E	918,5	56,0	41,516552	17,383015	132	2.0	
POS514_15-3	02.06.2017 04:58	MSN	in the water	41° 30,992' N	017° 23,003' E	915,1	56,0	41,516530	17,383382	179	1.9	
POS514_15-3	02.06.2017 05:02	MSN	max depth/on ground	41° 30,995' N	017° 23,002' E	929,9	56,0	41,516580	17,383363	179	1.8	sl max = 100m
POS514_15-3	02.06.2017 05:11	MSN	on deck	41° 31,007' N	017° 22,997' E	928,2	56,0	41,516777	17,383283	197	1.6	
POS514_15-4	02.06.2017 05:27	MSN	in the water	41° 31,000' N	017° 23,013' E	920,9	56,0	41,516672	17,383550	202	2.0	
POS514_15-4	02.06.2017 05:49	MSN	max depth/on ground	41° 31,044' N	017° 23,005' E	944,7	314,0	41,517402	17,383423	207	2.0	sl max = 700m
POS514_15-4	02.06.2017 06:14	MSN	on deck	41° 31,021' N	017° 23,013' E	924,2	179,0	41,517020	17,383552	219	2.3	
POS514_15-5	02.06.2017 06:19	MSN	in the water	41° 31,009' N	017° 23,015' E	932,1	179,0	41,516813	17,383587	218	1.8	
POS514_15-5	02.06.2017 06:23	MSN	max depth/on ground	41° 30,998' N	017° 23,014' E	917,5	179,0	41,516627	17,383565	216	1.8	100 m max
POS514_15-5	02.06.2017 06:30	MSN	on deck	41° 30,982' N	017° 23,012' E	919,6	179,0	41,516372	17,383527	205	1.6	

GEOMAR
Helmholtz-Zentrum für Ozeanforschung Kiel
Seite 24

POS514_15-6	02.06.2017 06:42	Multi Corer	in the water	41° 30,955' N	017° 22,993' E	900,5	179,0	41,515918	17,383212	191	1.8	
POS514_15-6	02.06.2017 07:01	Multi Corer	max depth/on ground	41° 30,989' N	017° 22,986' E	906,2	37,0	41,516492	17,383102	204	2.1	974 m max
POS514_15-6	02.06.2017 07:18	Multi Corer	on deck	41° 30,957' N	017° 22,983' E	902,3	37,0	41,515943	17,383047	204	2.1	
POS514_15-7	02.06.2017 08:03	Gravity corer	in the water	41° 30,952' N	017° 23,013' E	902,9	37,0	41,515868	17,383553	198	2.6	
POS514_15-7	02.06.2017 08:22	Gravity corer	max depth/on ground	41° 30,981' N	017° 23,016' E	912,4	37,0	41,516352	17,383608	219	2.2	985 m max
POS514_15-7	02.06.2017 08:43	Gravity corer	on deck	41° 31,007' N	017° 23,007' E	932,4	37,0	41,516790	17,383448	226	2.2	
POS514_16-2	02.06.2017 12:02	MSN	in the water	41° 40,979' N	017° 34,040' E	1095,9	155,0	41,682987	17,567327	253	1.9	
POS514_16-2	02.06.2017 12:06	MSN	max depth/on ground	41° 40,979' N	017° 34,032' E	1094,0	155,0	41,682978	17,567205	259	1.9	100 m max
POS514_16-2	02.06.2017 12:13	MSN	on deck	41° 40,992' N	017° 34,021' E	1099,3	155,0	41,683205	17,567020	260	2.0	
POS514_16-3	02.06.2017 12:21	MSN	in the water	41° 40,999' N	017° 34,015' E	1095,8	155,0	41,683310	17,566912	253	2.1	
POS514_16-3	02.06.2017 12:43	MSN	max depth/on ground	41° 40,997' N	017° 34,001' E	1098,5	155,0	41,683277	17,566683	268	1.4	700 m max
POS514_16-3	02.06.2017 13:09	MSN	on deck	41° 40,990' N	017° 33,977' E	1094,7	155,0	41,683160	17,566288	268	1.2	
POS514_16-4	02.06.2017 13:19	MSN	in the water	41° 40,985' N	017° 33,980' E	1100,0	130,0	41,683092	17,566338	304	1.0	
POS514_16-4	02.06.2017 13:24	MSN	max depth/on ground	41° 40,977' N	017° 33,999' E	1093,9	88,0	41,682955	17,566645	299	1.0	100 m max
POS514_16-4	02.06.2017 13:31	MSN	on deck	41° 40,984' N	017° 34,008' E	1099,4	70,0	41,683070	17,566802	317	1.3	
POS514_16-5	02.06.2017 13:43	CTD	in the water	41° 41,005' N	017° 33,990' E	1096,6	70,0	41,683413	17,566497	328	1.4	
POS514_16-5	02.06.2017 14:08	CTD	max depth/on ground	41° 40,991' N	017° 33,978' E	1096,5	70,0	41,683180	17,566308	330	1.2	SL max = 1113m
POS514_16-5	02.06.2017 14:31	CTD	on deck	41° 40,999' N	017° 33,941' E	1095,8	70,0	41,683312	17,565680	316	1.2	
POS514_16-6	02.06.2017 14:36	Multi Corer	in the water	41° 40,983' N	017° 33,943' E	1094,6	174,0	41,683045	17,565710	322	0.9	
POS514_16-6	02.06.2017 15:03	Multi Corer	max depth/on ground	41° 41,000' N	017° 33,993' E	1097,6	174,0	41,683335	17,566545	245	0.8	SL max = 1143m
POS514_16-6	02.06.2017 15:22	Multi Corer	on deck	41° 41,004' N	017° 33,972' E	1097,7	174,0	41,683392	17,566202	289	0.9	
POS514_17-1	03.06.2017 09:01	CTD	in the water	42° 49,997' N	014° 51,987' E	229,2	282,0	42,833283	14,866443	303	4.3	
POS514_17-1	03.06.2017 09:09	CTD	max depth/on ground	42° 50,001' N	014° 51,981' E	231,9	282,0	42,833342	14,866345	306	4.2	220 m max
POS514_17-1	03.06.2017 09:14	CTD	on deck	42° 50,000' N	014° 51,984' E	223,3	282,0	42,833333	14,866393	301	4.2	
POS514_17-2	03.06.2017 09:25	MSN	in the water	42° 49,995' N	014° 51,984' E	223,5	282,0	42,833247	14,866397	301	4.2	
POS514_17-2	03.06.2017 09:28	MSN	max depth/on ground	42° 49,995' N	014° 51,982' E	235,2	282,0	42,833255	14,866372	299	4.3	100 m max
POS514_17-2	03.06.2017 09:36	MSN	on deck	42° 49,993' N	014° 51,988' E	234,6	282,0	42,833218	14,866467	298	4.5	
POS514_17-3	03.06.2017 09:47	MSN	in the water	42° 49,993' N	014° 51,997' E	223,5	282,0	42,833213	14,866615	296	4.4	
POS514_17-3	03.06.2017 09:53	MSN	max depth/on ground	42° 49,989' N	014° 52,002' E	234,4	282,0	42,833153	14,866698	296	5.0	200 m max
POS514_17-3	03.06.2017 10:03	MSN	on deck	42° 49,987' N	014° 52,011' E	231,6	282,0	42,833122	14,866845	302	5.0	

GEOMAR
Helmholtz-Zentrum für Ozeanforschung Kiel
Seite 25

POS514_17-4	03.06.2017 10:06	MSN	in the water	42° 49,988' N	014° 52,006' E	225,6	282,0	42,833130	14,866760	303	4.9	
POS514_17-4	03.06.2017 10:10	MSN	max depth/on ground	42° 49,991' N	014° 51,999' E	236,1	282,0	42,833182	14,866643	303	4.9	100 m max
POS514_17-4	03.06.2017 10:17	MSN	on deck	42° 49,989' N	014° 51,995' E	224,0	282,0	42,833145	14,866588	301	4.5	
POS514_17-5	03.06.2017 10:23	Van Veen Grab	in the water	42° 49,988' N	014° 51,989' E	235,6	282,0	42,833140	14,866482	298	4.3	
POS514_17-5	03.06.2017 10:28	Van Veen Grab	max depth/on ground	42° 49,988' N	014° 51,990' E	225,0	282,0	42,833125	14,866503	294	4.1	BoKo 233 m, SL 235 m max
POS514_17-5	03.06.2017 10:33	Van Veen Grab	on deck	42° 49,986' N	014° 51,991' E	226,3	282,0	42,833095	14,866517	295	4.2	
POS514_17-6	03.06.2017 10:37	Van Veen Grab	in the water	42° 49,984' N	014° 51,988' E	223,9	282,0	42,833073	14,866473	298	4.3	
POS514_17-6	03.06.2017 10:42	Van Veen Grab	max depth/on ground	42° 49,983' N	014° 51,995' E	234,1	282,0	42,833052	14,866583	295	4.4	BoKo 230 m, SL 232 m max
POS514_17-6	03.06.2017 10:47	Van Veen Grab	on deck	42° 49,986' N	014° 52,001' E	228,0	282,0	42,833093	14,866683	290	4.1	
POS514_17-7	03.06.2017 10:52	Van Veen Grab	in the water	42° 49,986' N	014° 52,010' E	223,7	282,0	42,833107	14,866835	296	4.4	
POS514_17-7	03.06.2017 10:57	Van Veen Grab	max depth/on ground	42° 49,987' N	014° 52,000' E	225,2	282,0	42,833112	14,866667	294	4.6	BoKo 230 m, SL 232 m max
POS514_17-7	03.06.2017 11:01	Van Veen Grab	on deck	42° 49,990' N	014° 52,001' E	223,4	282,0	42,833162	14,866678	297	4.2	
POS514_17-8	03.06.2017 11:08	Van Veen Grab	in the water	42° 49,981' N	014° 52,008' E	228,6	282,0	42,833012	14,866807	295	4.2	
POS514_17-8	03.06.2017 11:13	Van Veen Grab	max depth/on ground	42° 49,979' N	014° 52,017' E	223,2	282,0	42,832978	14,866957	293	4.2	BoKo 230 m, SL 232 m max
POS514_17-8	03.06.2017 11:17	Van Veen Grab	on deck	42° 49,984' N	014° 52,014' E	225,8	282,0	42,833063	14,866903	298	4.2	
POS514_17-9	03.06.2017 11:24	Van Veen Grab	on deck	42° 49,993' N	014° 52,000' E	224,9	328,0	42,833213	14,866668	293	4.2	
POS514_17-9	03.06.2017 11:29	Van Veen Grab	max depth/on ground	42° 49,995' N	014° 52,002' E	226,6	328,0	42,833255	14,866695	288	4.0	BoKo 230 m, SL 232 m max
POS514_17-9	03.06.2017 11:33	Van Veen Grab	on deck	42° 49,994' N	014° 51,998' E	233,2	328,0	42,833233	14,866637	287	3.7	
POS514_17-10	03.06.2017 11:39	Van Veen Grab	in the water	42° 49,996' N	014° 51,990' E	224,8	328,0	42,833263	14,866502	298	3.9	
POS514_17-10	03.06.2017 11:44	Van Veen Grab	max depth/on ground	42° 49,997' N	014° 51,985' E	234,8	328,0	42,833278	14,866417	287	3.7	BoKo 231 m, SL 232 m max
POS514_17-10	03.06.2017 11:48	Van Veen Grab	on deck	42° 49,995' N	014° 51,985' E	236,1	328,0	42,833245	14,866423	292	3.7	
POS514_17-11	03.06.2017 11:54	Multi Corer	in the water	42° 49,991' N	014° 51,985' E	225,5	328,0	42,833177	14,866412	290	3.9	
POS514_17-11	03.06.2017 12:02	Multi Corer	max depth/on ground	42° 49,987' N	014° 51,990' E	229,6	328,0	42,833115	14,866500	300	3.9	BoKo 235 m, SL 239 m max
POS514_17-11	03.06.2017 12:08	Multi Corer	on deck	42° 49,996' N	014° 51,991' E	230,0	328,0	42,833270	14,866513	299	3.8	
POS514_17-12	03.06.2017 12:39	Multi Corer	in the water	42° 49,989' N	014° 51,993' E	235,0	328,0	42,833142	14,866553	317	4.0	
POS514_17-12	03.06.2017 12:45	Multi Corer	max depth/on ground	42° 49,994' N	014° 51,993' E	223,4	328,0	42,833237	14,866542	322	3.9	BoKo 233 m, SL 235 m max
POS514_17-12	03.06.2017 12:52	Multi Corer	on deck	42° 49,998' N	014° 51,996' E	224,6	328,0	42,833293	14,866597	326	3.0	
POS514_17-13	03.06.2017 13:21	Gravity corer	in the water	42° 50,006' N	014° 51,984' E	234,9	159,0	42,833427	14,866405	329	2.8	
POS514_17-13	03.06.2017 13:29	Gravity corer	max depth/on ground	42° 50,005' N	014° 51,983' E	230,0	159,0	42,833413	14,866382	324	2.5	BoKo 230 m, SL 241 m max
POS514_17-13	03.06.2017 13:36	Gravity corer	on deck	42° 50,012' N	014° 51,982' E	224,2	159,0	42,833527	14,866360	310	2.3	

GEOMAR
Helmholtz-Zentrum für Ozeanforschung Kiel
Seite 26

POS514_17-14	03.06.2017 14:18	Gravity corer	in the water	42° 49,999' N	014° 51,995' E	223,6	216,0	42,833325	14,866577	322	2.1	
POS514_17-14	03.06.2017 14:23	Gravity corer	max depth/on ground	42° 49,992' N	014° 51,979' E	224,3	229,0	42,833195	14,866325	305	2.2	sl max = 237m
POS514_17-14	03.06.2017 14:31	Gravity corer	on deck	42° 49,999' N	014° 51,973' E	223,7	229,0	42,833315	14,866222	311	2.4	
POS514_17-15	03.06.2017 14:40	Box Corer	in the water	42° 50,024' N	014° 51,971' E	233,9	229,0	42,833728	14,866185	334	2.1	
POS514_17-15	03.06.2017 14:45	Box Corer	max depth/on ground	42° 50,024' N	014° 51,970' E	223,7	229,0	42,833737	14,866165	335	1.9	sl max = 230m
POS514_17-15	03.06.2017 14:51	Box Corer	on deck	42° 50,014' N	014° 51,960' E	223,6	229,0	42,833570	14,866008	326	1.9	
POS514_17-16	03.06.2017 15:05	Frahm Corer	in the water	42° 50,022' N	014° 51,965' E	223,7	229,0	42,833692	14,866077	347	1.7	
POS514_17-16	03.06.2017 15:10	Frahm Corer	max depth/on ground	42° 50,025' N	014° 51,965' E	223,7	229,0	42,833755	14,866080	345	2.0	sl max = 226m
POS514_17-16	03.06.2017 15:16	Frahm Corer	on deck	42° 50,029' N	014° 51,965' E	224,1	229,0	42,833822	14,866083	344	1.9	
POS514_17-17	03.06.2017 15:20	Frahm Corer	in the water	42° 50,033' N	014° 51,961' E	223,8	229,0	42,833887	14,866010	350	1.9	
POS514_17-17	03.06.2017 15:25	Frahm Corer	max depth/on ground	42° 50,037' N	014° 51,956' E	223,8	229,0	42,833942	14,865927	355	2.0	sl mx = 228m
POS514_17-17	03.06.2017 15:30	Frahm Corer	on deck	42° 50,039' N	014° 51,951' E	223,8	229,0	42,833987	14,865848	349	1.9	
POS514_18-1	04.06.2017 07:32	CTD	in the water	44° 12,039' N	013° 22,692' E	58,2	112,0	44,200648	13,378205	261	4.8	
POS514_18-1	04.06.2017 07:37	CTD	max depth/on ground	44° 12,026' N	013° 22,707' E	58,0	155,0	44,200430	13,378458	254	5.1	54 m max
POS514_18-1	04.06.2017 07:39	CTD	on deck	44° 12,019' N	013° 22,711' E	58,0	146,0	44,200315	13,378518	256	5.0	
POS514_18-2	04.06.2017 07:50	MSN	in the water	44° 12,013' N	013° 22,714' E	58,0	146,0	44,200223	13,378567	249	4.6	
POS514_18-2	04.06.2017 07:51	MSN	max depth/on ground	44° 12,014' N	013° 22,711' E	58,0	146,0	44,200237	13,378517	250	4.5	50 m max
POS514_18-2	04.06.2017 07:55	MSN	on deck	44° 12,013' N	013° 22,706' E	58,0	146,0	44,200213	13,378440	257	4.4	
POS514_18-3	04.06.2017 08:00	MSN	in the water	44° 12,009' N	013° 22,705' E	57,9	146,0	44,200147	13,378417	262	4.7	
POS514_18-3	04.06.2017 08:02	MSN	max depth/on ground	44° 12,008' N	013° 22,710' E	57,9	146,0	44,200138	13,378497	260	4.6	50 m max
POS514_18-3	04.06.2017 08:07	MSN	on deck	44° 12,006' N	013° 22,718' E	58,0	146,0	44,200095	13,378633	261	4.5	
POS514_18-4	04.06.2017 08:18	MSN	in the water	44° 12,006' N	013° 22,718' E	58,0	146,0	44,200097	13,378633	259	3.9	
POS514_18-4	04.06.2017 08:20	MSN	max depth/on ground	44° 12,004' N	013° 22,714' E	58,0	146,0	44,200073	13,378560	255	4.1	50 m max
POS514_18-4	04.06.2017 08:27	MSN	on deck	44° 12,009' N	013° 22,706' E	58,0	146,0	44,200152	13,378440	256	4.1	
POS514_18-5	04.06.2017 08:33	Van Veen Grab	in the water	44° 12,013' N	013° 22,700' E	58,1	146,0	44,200212	13,378335	259	3.8	
POS514_18-5	04.06.2017 08:35	Van Veen Grab	max depth/on ground	44° 12,013' N	013° 22,698' E	58,1	146,0	44,200213	13,378293	256	4.0	61 m max
POS514_18-5	04.06.2017 08:38	Van Veen Grab	on deck	44° 12,009' N	013° 22,695' E	58,0	146,0	44,200145	13,378247	260	3.5	
POS514_18-6	04.06.2017 08:41	Van Veen Grab	in the water	44° 12,007' N	013° 22,697' E	58,1	146,0	44,200110	13,378288	253	3.3	
POS514_18-6	04.06.2017 08:43	Van Veen Grab	max depth/on ground	44° 12,006' N	013° 22,697' E	58,0	146,0	44,200103	13,378287	254	3.3	61 m max
POS514_18-6	04.06.2017 08:44	Van Veen Grab	on deck	44° 12,006' N	013° 22,700' E	58,0	146,0	44,200107	13,378327	252	3.4	

GEOMAR
Helmholtz-Zentrum für Ozeanforschung Kiel
Seite 27

POS514_18-7	04.06.2017 08:48	Van Veen Grab	in the water	44° 12,004' N	013° 22,709' E	58,0	107,0	44,200060	13,378483	262	4.0	
POS514_18-7	04.06.2017 08:50	Van Veen Grab	max depth/on ground	44° 12,000' N	013° 22,716' E	58,0	124,0	44,200002	13,378602	261	3.8	61 m max
POS514_18-7	04.06.2017 08:52	Van Veen Grab	on deck	44° 12,000' N	013° 22,712' E	57,9	290,0	44,200003	13,378528	267	4.4	
POS514_18-8	04.06.2017 08:54	Van Veen Grab	in the water	44° 12,005' N	013° 22,696' E	58,0	293,0	44,200088	13,378260	269	4.4	
POS514_18-8	04.06.2017 08:56	Van Veen Grab	max depth/on ground	44° 12,007' N	013° 22,692' E	58,0	294,0	44,200112	13,378193	267	4.2	61 m max
POS514_18-8	04.06.2017 08:58	Van Veen Grab	on deck	44° 12,004' N	013° 22,699' E	58,0	112,0	44,200075	13,378315	265	4.4	
POS514_18-9	04.06.2017 09:01	Van Veen Grab	in the water	44° 12,001' N	013° 22,710' E	57,9	117,0	44,200022	13,378493	268	4.4	
POS514_18-9	04.06.2017 09:04	Van Veen Grab	max depth/on ground	44° 11,999' N	013° 22,710' E	58,0	117,0	44,199978	13,378502	270	5.0	61 m max
POS514_18-9	04.06.2017 09:06	Van Veen Grab	on deck	44° 11,999' N	013° 22,710' E	57,9	117,0	44,199983	13,378503	273	4.7	
POS514_18-10	04.06.2017 09:09	Van Veen Grab	in the water	44° 12,000' N	013° 22,705' E	58,0	117,0	44,199995	13,378415	268	4.9	
POS514_18-10	04.06.2017 09:11	Van Veen Grab	max depth/on ground	44° 12,000' N	013° 22,703' E	58,0	117,0	44,199995	13,378388	268	4.7	61 m max
POS514_18-10	04.06.2017 09:13	Van Veen Grab	on deck	44° 11,996' N	013° 22,703' E	58,0	117,0	44,199938	13,378378	270	4.4	
POS514_18-11	04.06.2017 09:21	Frahm Corer	in the water	44° 11,994' N	013° 22,703' E	58,0	117,0	44,199907	13,378382	270	4.8	
POS514_18-11	04.06.2017 09:24	Frahm Corer	max depth/on ground	44° 11,998' N	013° 22,702' E	58,0	117,0	44,199970	13,378368	273	4.3	61 m max
POS514_18-11	04.06.2017 09:26	Frahm Corer	on deck	44° 12,002' N	013° 22,703' E	58,0	117,0	44,200028	13,378385	273	4.4	
POS514_18-12	04.06.2017 09:28	Frahm Corer	in the water	44° 12,004' N	013° 22,703' E	58,0	117,0	44,200062	13,378375	273	4.4	
POS514_18-12	04.06.2017 09:31	Frahm Corer	max depth/on ground	44° 12,006' N	013° 22,700' E	58,0	117,0	44,200105	13,378332	271	4.5	63 m max
POS514_18-12	04.06.2017 09:32	Frahm Corer	on deck	44° 12,009' N	013° 22,698' E	58,1	117,0	44,200143	13,378307	277	4.4	
POS514_18-13	04.06.2017 09:37	Frahm Corer	in the water	44° 12,010' N	013° 22,695' E	58,0	117,0	44,200172	13,378245	277	4.5	
POS514_18-13	04.06.2017 09:39	Frahm Corer	max depth/on ground	44° 12,007' N	013° 22,698' E	58,0	117,0	44,200123	13,378305	273	4.0	62 m max
POS514_18-13	04.06.2017 09:42	Frahm Corer	on deck	44° 12,003' N	013° 22,699' E	58,0	117,0	44,200045	13,378313	278	4.0	
POS514_18-14	04.06.2017 09:42	Frahm Corer	in the water	44° 12,002' N	013° 22,698' E	58,0	117,0	44,200035	13,378303	276	3.8	
POS514_18-14	04.06.2017 09:44	Frahm Corer	max depth/on ground	44° 12,000' N	013° 22,695' E	58,0	117,0	44,200000	13,378242	276	3.7	63 m max
POS514_18-14	04.06.2017 09:46	Frahm Corer	on deck	44° 12,001' N	013° 22,691' E	58,0	117,0	44,200012	13,378185	276	4.0	
POS514_18-15	04.06.2017 09:51	Frahm Corer	in the water	44° 11,998' N	013° 22,691' E	57,9	117,0	44,199963	13,378185	280	3.9	
POS514_18-15	04.06.2017 09:52	Frahm Corer	max depth/on ground	44° 11,996' N	013° 22,692' E	57,9	117,0	44,199938	13,378207	278	3.9	62 m max
POS514_18-15	04.06.2017 09:54	Frahm Corer	on deck	44° 11,995' N	013° 22,693' E	58,0	117,0	44,199922	13,378217	273	3.8	
POS514_18-16	04.06.2017 10:01	Box Corer	in the water	44° 11,996' N	013° 22,693' E	58,0	117,0	44,199942	13,378223	270	3.2	
POS514_18-16	04.06.2017 10:03	Box Corer	max depth/on ground	44° 11,998' N	013° 22,692' E	57,9	117,0	44,199958	13,378207	269	3.5	BoKo 60 m, SL 63 m max
POS514_18-16	04.06.2017 10:05	Box Corer	on deck	44° 12,000' N	013° 22,688' E	58,0	117,0	44,200000	13,378142	273	3.4	

GEOMAR
Helmholtz-Zentrum für Ozeanforschung Kiel
Seite 28

POS514_19-1	04.06.2017 18:04	CTD	in the water	45° 07,015' N	012° 32,998' E	23,2	104,0	45,116912	12,549968	156	7.1	
POS514_19-1	04.06.2017 18:07	CTD	max depth/on ground	45° 07,013' N	012° 33,011' E	23,2	132,0	45,116885	12,550182	156	6.3	20 m max
POS514_19-1	04.06.2017 18:08	CTD	on deck	45° 07,010' N	012° 33,014' E	23,2	132,0	45,116838	12,550235	158	7.2	
POS514_19-2	04.06.2017 18:18	Van Veen Grab	in the water	45° 06,989' N	012° 33,026' E	23,3	148,0	45,116488	12,550427	153	5.9	
POS514_19-2	04.06.2017 18:20	Van Veen Grab	max depth/on ground	45° 06,985' N	012° 33,029' E	23,3	148,0	45,116425	12,550477	153	6.2	25 m max
POS514_19-2	04.06.2017 18:21	Van Veen Grab	on deck	45° 06,981' N	012° 33,033' E	23,4	130,0	45,116343	12,550548	159	6.4	
POS514_19-3	04.06.2017 18:24	Van Veen Grab	in the water	45° 06,977' N	012° 33,042' E	23,3	127,0	45,116288	12,550707	160	6.1	
POS514_19-3	04.06.2017 18:25	Van Veen Grab	max depth/on ground	45° 06,979' N	012° 33,045' E	23,4	127,0	45,116308	12,550748	164	6.7	25 m max
POS514_19-3	04.06.2017 18:27	Van Veen Grab	on deck	45° 06,982' N	012° 33,047' E	23,3	127,0	45,116372	12,550787	164	6.4	
POS514_19-4	04.06.2017 18:29	Van Veen Grab	in the water	45° 06,988' N	012° 33,049' E	23,3	13,0	45,116458	12,550820	164	7.3	
POS514_19-4	04.06.2017 18:32	Van Veen Grab	max depth/on ground	45° 07,002' N	012° 33,048' E	23,4	357,0	45,116698	12,550803	163	6.3	25 m max
POS514_19-4	04.06.2017 18:34	Van Veen Grab	on deck	45° 07,003' N	012° 33,050' E	23,3	357,0	45,116710	12,550827	164	6.3	
POS514_19-5	04.06.2017 18:36	Van Veen Grab	in the water	45° 07,004' N	012° 33,049' E	23,3	357,0	45,116727	12,550810	166	6.5	
POS514_19-5	04.06.2017 18:37	Van Veen Grab	max depth/on ground	45° 07,002' N	012° 33,048' E	23,3	357,0	45,116698	12,550802	173	6.4	25 m max
POS514_19-5	04.06.2017 18:39	Van Veen Grab	on deck	45° 07,000' N	012° 33,048' E	23,3	357,0	45,116662	12,550803	166	6.4	
POS514_19-6	04.06.2017 18:41	Van Veen Grab	in the water	45° 06,997' N	012° 33,047' E	23,4	357,0	45,116618	12,550782	163	7.3	
POS514_19-6	04.06.2017 18:42	Van Veen Grab	max depth/on ground	45° 06,999' N	012° 33,046' E	23,4	357,0	45,116653	12,550762	164	6.9	25 m max
POS514_19-6	04.06.2017 18:44	Van Veen Grab	on deck	45° 07,002' N	012° 33,043' E	23,3	357,0	45,116702	12,550722	163	6.5	
POS514_19-7	04.06.2017 18:46	Van Veen Grab	in the water	45° 06,998' N	012° 33,044' E	23,4	357,0	45,116637	12,550728	165	6.8	
POS514_19-7	04.06.2017 18:47	Van Veen Grab	max depth/on ground	45° 06,995' N	012° 33,044' E	23,3	357,0	45,116583	12,550728	163	6.7	25 m max
POS514_19-7	04.06.2017 18:49	Van Veen Grab	on deck	45° 06,992' N	012° 33,044' E	23,3	357,0	45,116537	12,550732	166	6.6	
POS514_19-8	04.06.2017 18:56	Frahm Corer	in the water	45° 06,990' N	012° 33,043' E	23,3	357,0	45,116497	12,550720	168	6.4	
POS514_19-8	04.06.2017 18:58	Frahm Corer	max depth/on ground	45° 06,990' N	012° 33,043' E	23,3	357,0	45,116497	12,550715	169	6.4	26 m max
POS514_19-8	04.06.2017 18:59	Frahm Corer	on deck	45° 06,988' N	012° 33,043' E	23,3	357,0	45,116468	12,550725	166	6.8	
POS514_19-9	04.06.2017 19:02	Frahm Corer	in the water	45° 06,983' N	012° 33,046' E	23,3	357,0	45,116378	12,550765	168	6.2	
POS514_19-9	04.06.2017 19:04	Frahm Corer	max depth/on ground	45° 06,978' N	012° 33,049' E	23,3	357,0	45,116307	12,550812	172	6.7	25 m max
POS514_19-9	04.06.2017 19:06	Frahm Corer	on deck	45° 06,976' N	012° 33,052' E	23,3	357,0	45,116262	12,550858	173	6.5	
POS514_19-10	04.06.2017 19:12	Box Corer	in the water	45° 06,972' N	012° 33,059' E	23,3	357,0	45,116197	12,550987	170	6.6	
POS514_19-10	04.06.2017 19:13	Box Corer	max depth/on ground	45° 06,975' N	012° 33,060' E	23,4	82,0	45,116257	12,551007	173	6.6	25 m max
POS514_19-10	04.06.2017 19:15	Box Corer	on deck	45° 06,983' N	012° 33,062' E	23,3	7,0	45,116382	12,551028	174	7.1	

GEOMAR
Helmholtz-Zentrum für Ozeanforschung Kiel
Seite 29

POS514_19-11	04.06.2017 19:17	Box Corer	in the water	45° 06,991' N	012° 33,066' E	23,3	17,0	45,116512	12,551107	171	6.3	
POS514_19-11	04.06.2017 19:18	Box Corer	max depth/on ground	45° 06,997' N	012° 33,070' E	23,3	10,0	45,116610	12,551158	169	7.2	25 m max
POS514_19-11	04.06.2017 19:19	Box Corer	on deck	45° 06,998' N	012° 33,070' E	23,3	98,0	45,116632	12,551162	169	7.1	
POS514_19-12	04.06.2017 19:22	Box Corer	in the water	45° 07,003' N	012° 33,073' E	23,4	22,0	45,116723	12,551217	171	7.3	
POS514_19-12	04.06.2017 19:23	Box Corer	max depth/on ground	45° 07,001' N	012° 33,074' E	23,3	22,0	45,116678	12,551230	172	7.4	25 m max
POS514_19-12	04.06.2017 19:25	Box Corer	on deck	45° 06,998' N	012° 33,075' E	23,3	22,0	45,116642	12,551252	171	7.6	
POS514_20-1	04.06.2017 22:25	CTD	in the water	45° 25,502' N	012° 47,961' E	17,8	194,0	45,425042	12,799352	160	1.3	
POS514_20-1	04.06.2017 22:27	CTD	max depth/on ground	45° 25,490' N	012° 47,956' E	17,8	200,0	45,424827	12,799263	177	1.3	14 m max
POS514_20-1	04.06.2017 22:28	CTD	on deck	45° 25,485' N	012° 47,953' E	17,8	214,0	45,424747	12,799218	171	1.2	
POS514_20-2	04.06.2017 22:36	Van Veen Grab	in the water	45° 25,477' N	012° 47,967' E	17,7	124,0	45,424618	12,799455	117	1.5	
POS514_20-2	04.06.2017 22:37	Van Veen Grab	max depth/on ground	45° 25,476' N	012° 47,970' E	17,7	129,0	45,424593	12,799497	129	1.4	BoKo 20m
POS514_20-2	04.06.2017 22:38	Van Veen Grab	on deck	45° 25,473' N	012° 47,972' E	17,8	137,0	45,424555	12,799533	137	1.4	
POS514_20-3	04.06.2017 22:41	Van Veen Grab	in the water	45° 25,464' N	012° 47,961' E	17,7	267,0	45,424398	12,799355	135	1.4	
POS514_20-3	04.06.2017 22:43	Van Veen Grab	max depth/on ground	45° 25,463' N	012° 47,957' E	17,6	263,0	45,424382	12,799283	126	1.4	BoKo 19 m
POS514_20-3	04.06.2017 22:44	Van Veen Grab	on deck	45° 25,461' N	012° 47,955' E	17,5	223,0	45,424350	12,799247	119	1.4	
POS514_20-4	04.06.2017 22:48	Van Veen Grab	in the water	45° 25,475' N	012° 47,929' E	17,8	23,0	45,424587	12,798808	107	1.1	
POS514_20-4	04.06.2017 22:49	Van Veen Grab	max depth/on ground	45° 25,477' N	012° 47,930' E	17,8	23,0	45,424613	12,798835	94	1.5	BoKo 19 m
POS514_20-4	04.06.2017 22:50	Van Veen Grab	on deck	45° 25,478' N	012° 47,930' E	17,9	23,0	45,424630	12,798837	99	1.4	
POS514_20-5	04.06.2017 22:52	Van Veen Grab	in the water	45° 25,479' N	012° 47,930' E	17,7	23,0	45,424643	12,798828	122	1.9	
POS514_20-5	04.06.2017 22:53	Van Veen Grab	max depth/on ground	45° 25,478' N	012° 47,930' E	17,7	23,0	45,424642	12,798827	126	1.7	BoKo 20 m
POS514_20-5	04.06.2017 22:54	Van Veen Grab	on deck	45° 25,479' N	012° 47,931' E	17,8	23,0	45,424653	12,798850	126	1.9	
POS514_20-6	04.06.2017 22:56	Van Veen Grab	in the water	45° 25,479' N	012° 47,935' E	17,8	23,0	45,424650	12,798922	131	2.4	
POS514_20-6	04.06.2017 22:57	Van Veen Grab	max depth/on ground	45° 25,479' N	012° 47,937' E	17,7	23,0	45,424643	12,798942	133	2.0	BoKo 20 m
POS514_20-6	04.06.2017 22:59	Van Veen Grab	on deck	45° 25,475' N	012° 47,938' E	17,7	23,0	45,424592	12,798970	128	2.3	
POS514_20-7	04.06.2017 23:01	Van Veen Grab	in the water	45° 25,471' N	012° 47,940' E	17,6	135,0	45,424520	12,798993	124	1.9	
POS514_20-7	04.06.2017 23:02	Van Veen Grab	max depth/on ground	45° 25,467' N	012° 47,947' E	17,6	123,0	45,424448	12,799112	128	2.2	BoKo 19 m
POS514_20-7	04.06.2017 23:03	Van Veen Grab	on deck	45° 25,462' N	012° 47,960' E	17,8	109,0	45,424368	12,799342	120	2.4	
POS514_20-8	04.06.2017 23:08	Box Corer	in the water	45° 25,492' N	012° 48,027' E	17,7	24,0	45,424868	12,800453	113	2.5	
POS514_20-8	04.06.2017 23:09	Box Corer	max depth/on ground	45° 25,498' N	012° 48,031' E	17,5	53,0	45,424962	12,800520	131	2.9	BoKo 19 m
POS514_20-8	04.06.2017 23:10	Box Corer	on deck	45° 25,499' N	012° 48,037' E	17,7	61,0	45,424988	12,800620	135	3.0	

GEOMAR
Helmholtz-Zentrum für Ozeanforschung Kiel
Seite 30

POS514_20-9	04.06.2017 23:14	Box Corer	in the water	45° 25,503' N	012° 48,044' E	17,7	50,0	45,425045	12,800730	136	3.1	
POS514_20-9	04.06.2017 23:15	Box Corer	max depth/on ground	45° 25,502' N	012° 48,044' E	17,7	50,0	45,425040	12,800738	134	3.4	BoKo 19 m
POS514_20-9	04.06.2017 23:16	Box Corer	on deck	45° 25,502' N	012° 48,045' E	17,7	50,0	45,425035	12,800747	138	3.6	
POS514_20-10	04.06.2017 23:19	Box Corer	in the water	45° 25,502' N	012° 48,037' E	17,4	50,0	45,425035	12,800623	141	3.9	
POS514_20-10	04.06.2017 23:21	Box Corer	max depth/on ground	45° 25,504' N	012° 48,032' E	17,6	282,0	45,425065	12,800537	140	4.2	BoKo 19 m
POS514_20-10	04.06.2017 23:22	Box Corer	on deck	45° 25,506' N	012° 48,024' E	17,7	279,0	45,425098	12,800402	140	4.4	
POS514_21-1	05.06.2017 06:04	Van Veen Grab	in the water	45° 29,196' N	012° 48,505' E	17,1	251,0	45,486605	12,808423	42	9.2	
POS514_21-1	05.06.2017 06:05	Van Veen Grab	max depth/on ground	45° 29,195' N	012° 48,503' E	17,0	251,0	45,486585	12,808377	40	8.9	18 m max
POS514_21-1	05.06.2017 06:07	Van Veen Grab	on deck	45° 29,195' N	012° 48,504' E	17,2	251,0	45,486587	12,808397	37	8.6	
POS514_21-2	05.06.2017 06:11	Gravity corer	in the water	45° 29,192' N	012° 48,513' E	17,4	112,0	45,486528	12,808543	37	9.4	
POS514_21-2	05.06.2017 06:13	Gravity corer	max depth/on ground	45° 29,190' N	012° 48,513' E	17,2	112,0	45,486508	12,808543	41	9.3	20 m max
POS514_21-2	05.06.2017 06:16	Gravity corer	on deck	45° 29,188' N	012° 48,508' E	17,0	112,0	45,486470	12,808467	39	9.2	
POS514_21-3	05.06.2017 06:34	Gravity corer	in the water	45° 29,199' N	012° 48,517' E	17,1	74,0	45,486650	12,808620	47	9.6	
POS514_21-3	05.06.2017 06:35	Gravity corer	max depth/on ground	45° 29,201' N	012° 48,518' E	17,2	74,0	45,486677	12,808640	40	9.3	29 m max
POS514_21-3	05.06.2017 06:38	Gravity corer	on deck	45° 29,202' N	012° 48,522' E	17,4	74,0	45,486705	12,808700	43	9.3	
POS514_21-4	05.06.2017 06:42	Van Veen Grab	in the water	45° 29,199' N	012° 48,517' E	17,1	243,0	45,486642	12,808615	44	9.3	
POS514_21-4	05.06.2017 06:43	Van Veen Grab	max depth/on ground	45° 29,197' N	012° 48,511' E	17,3	240,0	45,486613	12,808512	48	9.6	18 m max
POS514_21-4	05.06.2017 06:45	Van Veen Grab	on deck	45° 29,194' N	012° 48,507' E	17,1	236,0	45,486563	12,808448	47	9.6	
POS514_21-5	05.06.2017 06:47	Van Veen Grab	in the water	45° 29,191' N	012° 48,508' E	17,1	236,0	45,486520	12,808472	50	9.8	
POS514_21-5	05.06.2017 06:47	Van Veen Grab	max depth/on ground	45° 29,190' N	012° 48,509' E	17,3	236,0	45,486493	12,808487	47	10.3	19 m max
POS514_21-5	05.06.2017 06:49	Van Veen Grab	on deck	45° 29,189' N	012° 48,509' E	17,3	236,0	45,486475	12,808483	44	10.0	
POS514_21-6	05.06.2017 06:51	Van Veen Grab	in the water	45° 29,186' N	012° 48,506' E	17,3	236,0	45,486442	12,808435	51	10.0	
POS514_21-6	05.06.2017 06:52	Van Veen Grab	max depth/on ground	45° 29,189' N	012° 48,512' E	17,0	55,0	45,486480	12,808527	48	9.6	19 m max
POS514_21-6	05.06.2017 06:54	Van Veen Grab	on deck	45° 29,192' N	012° 48,511' E	17,3	349,0	45,486532	12,808520	45	10.4	
POS514_21-7	05.06.2017 06:57	Van Veen Grab	in the water	45° 29,194' N	012° 48,504' E	17,2	310,0	45,486558	12,808407	51	9.5	
POS514_21-7	05.06.2017 06:57	Van Veen Grab	max depth/on ground	45° 29,194' N	012° 48,504' E	17,3	310,0	45,486572	12,808403	47	9.9	19 m max
POS514_21-7	05.06.2017 06:59	Van Veen Grab	on deck	45° 29,194' N	012° 48,505' E	17,0	310,0	45,486572	12,808425	53	9.5	
POS514_21-8	05.06.2017 07:01	Van Veen Grab	in the water	45° 29,195' N	012° 48,509' E	17,3	310,0	45,486588	12,808482	49	10.8	
POS514_21-8	05.06.2017 07:02	Van Veen Grab	max depth/on ground	45° 29,194' N	012° 48,510' E	17,3	310,0	45,486572	12,808495	49	9.8	19 m max
POS514_21-8	05.06.2017 07:03	Van Veen Grab	on deck	45° 29,194' N	012° 48,510' E	17,2	310,0	45,486567	12,808495	52	10.5	

GEOMAR
Helmholtz-Zentrum für Ozeanforschung Kiel
Seite 31

POS514_22-1	05.06.2017 11:04	Van Veen Grab	in the water	45° 35,024' N	013° 14,034' E	10,4	91,0	45,583737	13,233893	88	2.3	
POS514_22-1	05.06.2017 11:05	Van Veen Grab	max depth/on ground	45° 35,026' N	013° 14,035' E	10,4	91,0	45,583770	13,233922	92	2.2	BoKo 11 m, SL 12 m max
POS514_22-1	05.06.2017 11:06	Van Veen Grab	on deck	45° 35,026' N	013° 14,039' E	10,3	91,0	45,583767	13,233982	109	2.1	
POS514_22-2	05.06.2017 11:12	Gravity corer	in the water	45° 35,037' N	013° 14,030' E	10,2	303,0	45,583945	13,233825	96	2.6	
POS514_22-2	05.06.2017 11:14	Gravity corer	max depth/on ground	45° 35,038' N	013° 14,029' E	10,3	303,0	45,583962	13,233822	96	2.3	SL 11 m max
POS514_22-2	05.06.2017 11:17	Gravity corer	on deck	45° 35,034' N	013° 14,033' E	10,4	303,0	45,583905	13,233880	90	2.5	
POS514_22-3	05.06.2017 11:21	Gravity corer	in the water	45° 35,034' N	013° 14,041' E	10,5	303,0	45,583900	13,234010	91	2.8	
POS514_22-3	05.06.2017 11:22	Gravity corer	max depth/on ground	45° 35,035' N	013° 14,042' E	10,4	303,0	45,583923	13,234028	106	2.9	SL 10 m max
POS514_22-3	05.06.2017 11:24	Gravity corer	information	45° 35,038' N	013° 14,042' E	10,4	303,0	45,583973	13,234035	111	3.1	
POS514_22-4	05.06.2017 11:29	CTD	in the water	45° 35,033' N	013° 14,059' E	10,5	133,0	45,583880	13,234320	122	2.4	
POS514_22-4	05.06.2017 11:31	CTD	max depth/on ground	45° 35,031' N	013° 14,069' E	10,7	87,0	45,583852	13,234480	170	2.8	7m
POS514_22-4	05.06.2017 11:32	CTD	on deck	45° 35,031' N	013° 14,072' E	10,8	57,0	45,583857	13,234528	172	2.3	
POS514_22-5	05.06.2017 11:41	Box Corer	in the water	45° 35,052' N	013° 14,084' E	10,6	51,0	45,584203	13,234727	212	3.5	
POS514_22-5	05.06.2017 11:44	Box Corer	max depth/on ground	45° 35,052' N	013° 14,076' E	10,6	280,0	45,584197	13,234600	217	3.8	BoKo 12 m
POS514_22-5	05.06.2017 11:45	Box Corer	on deck	45° 35,051' N	013° 14,074' E	10,5	280,0	45,584177	13,234575	220	4.0	
POS514_22-6	05.06.2017 11:48	Van Veen Grab	in the water	45° 35,042' N	013° 14,070' E	10,4	202,0	45,584038	13,234500	218	3.7	
POS514_22-6	05.06.2017 11:48	Van Veen Grab	max depth/on ground	45° 35,041' N	013° 14,071' E	10,3	207,0	45,584010	13,234512	218	3.7	BoKo 12m
POS514_22-6	05.06.2017 11:49	Van Veen Grab	on deck	45° 35,036' N	013° 14,069' E	10,3	203,0	45,583937	13,234480	220	3.5	
POS514_22-7	05.06.2017 11:52	Van Veen Grab	in the water	45° 35,033' N	013° 14,065' E	10,4	206,0	45,583882	13,234418	226	3.5	
POS514_22-7	05.06.2017 11:52	Van Veen Grab	max depth/on ground	45° 35,033' N	013° 14,064' E	10,4	206,0	45,583882	13,234408	225	3.4	12m
POS514_22-7	05.06.2017 11:54	Van Veen Grab	on deck	45° 35,035' N	013° 14,067' E	10,4	206,0	45,583918	13,234450	226	3.0	
POS514_22-8	05.06.2017 11:57	Van Veen Grab	in the water	45° 35,043' N	013° 14,068' E	10,2	206,0	45,584055	13,234467	225	3.1	
POS514_22-8	05.06.2017 11:58	Van Veen Grab	max depth/on ground	45° 35,045' N	013° 14,069' E	10,3	206,0	45,584082	13,234485	227	3.1	12 m
POS514_22-8	05.06.2017 11:59	Van Veen Grab	on deck	45° 35,047' N	013° 14,069' E	10,3	206,0	45,584115	13,234488	227	3.1	
POS514_22-9	05.06.2017 12:02	Van Veen Grab	in the water	45° 35,043' N	013° 14,070' E	10,3	206,0	45,584053	13,234503	233	3.4	
POS514_22-9	05.06.2017 12:03	Van Veen Grab	max depth/on ground	45° 35,042' N	013° 14,070' E	10,4	206,0	45,584025	13,234502	233	3.4	12 m
POS514_22-9	05.06.2017 12:04	Van Veen Grab	on deck	45° 35,036' N	013° 14,071' E	10,5	171,0	45,583925	13,234518	229	3.2	
POS514_22-10	05.06.2017 12:09	Box Corer	in the water	45° 35,020' N	013° 14,075' E	10,8	175,0	45,583675	13,234577	232	3.5	
POS514_22-10	05.06.2017 12:10	Box Corer	max depth/on ground	45° 35,019' N	013° 14,077' E	10,9	175,0	45,583642	13,234618	232	3.5	11 m
POS514_22-10	05.06.2017 12:12	Box Corer	on deck	45° 35,017' N	013° 14,080' E	10,9	175,0	45,583620	13,234665	233	3.4	

GEOMAR
Helmholtz-Zentrum für Ozeanforschung Kiel
Seite 32

POS514_22-11	05.06.2017 12:15	Box Corer	in the water	45° 35,016' N	013° 14,089' E	11,0	175,0	45,583597	13,234823	235	3.7	
POS514_22-11	05.06.2017 12:15	Box Corer	max depth/on ground	45° 35,017' N	013° 14,090' E	10,9	175,0	45,583610	13,234838	237	3.5	11 m
POS514_22-11	05.06.2017 12:16	Box Corer	on deck	45° 35,016' N	013° 14,093' E	10,9	175,0	45,583593	13,234882	235	3.7	
POS514_22-12	05.06.2017 12:19	Box Corer	in the water	45° 35,016' N	013° 14,098' E	10,8	175,0	45,583598	13,234965	227	3.7	
POS514_22-12	05.06.2017 12:19	Box Corer	max depth/on ground	45° 35,017' N	013° 14,100' E	10,9	175,0	45,583617	13,234993	227	3.5	11 m
POS514_22-12	05.06.2017 12:20	Box Corer	on deck	45° 35,018' N	013° 14,101' E	10,9	175,0	45,583637	13,235010	224	3.6	
POS514_22-13	05.06.2017 12:22	Box Corer	in the water	45° 35,021' N	013° 14,102' E	10,8	175,0	45,583680	13,235030	230	3.5	
POS514_22-13	05.06.2017 12:23	Box Corer	max depth/on ground	45° 35,023' N	013° 14,103' E	10,9	175,0	45,583718	13,235048	233	3.5	13 m
POS514_22-13	05.06.2017 12:24	Box Corer	on deck	45° 35,024' N	013° 14,103' E	10,9	175,0	45,583737	13,235057	232	3.6	
POS514_22-14	05.06.2017 12:26	Box Corer	in the water	45° 35,027' N	013° 14,101' E	10,9	175,0	45,583785	13,235017	233	4.0	
POS514_22-14	05.06.2017 12:27	Box Corer	max depth/on ground	45° 35,028' N	013° 14,100' E	10,9	175,0	45,583800	13,235005	226	4.0	13 m
POS514_22-14	05.06.2017 12:27	Box Corer	on deck	45° 35,030' N	013° 14,100' E	10,9	175,0	45,583828	13,234995	228	3.9	
POS514_22-15	05.06.2017 12:29	Box Corer	in the water	45° 35,033' N	013° 14,098' E	10,9	175,0	45,583878	13,234970	233	3.7	
POS514_22-15	05.06.2017 12:30	Box Corer	max depth/on ground	45° 35,032' N	013° 14,098' E	10,8	175,0	45,583873	13,234958	236	3.7	13 m
POS514_22-15	05.06.2017 12:31	Box Corer	on deck	45° 35,033' N	013° 14,097' E	10,9	175,0	45,583875	13,234957	236	3.7	
POS514_22-16	05.06.2017 12:34	Box Corer	in the water	45° 35,033' N	013° 14,098' E	10,9	175,0	45,583878	13,234970	239	3.7	
POS514_22-16	05.06.2017 12:35	Box Corer	max depth/on ground	45° 35,032' N	013° 14,098' E	10,8	175,0	45,583868	13,234962	237	3.7	13 m
POS514_22-16	05.06.2017 12:36	Box Corer	on deck	45° 35,033' N	013° 14,097' E	10,9	175,0	45,583877	13,234957	235	3.7	
POS514_22-17	05.06.2017 12:38	Box Corer	in the water	45° 35,030' N	013° 14,100' E	10,9	175,0	45,583827	13,235007	234	3.7	
POS514_22-17	05.06.2017 12:39	Box Corer	max depth/on ground	45° 35,029' N	013° 14,100' E	10,9	175,0	45,583812	13,235003	235	3.6	13 m
POS514_22-17	05.06.2017 12:41	Box Corer	on deck	45° 35,028' N	013° 14,101' E	10,9	175,0	45,583800	13,235023	241	3.9	
POS514_22-18	05.06.2017 12:42	Box Corer	in the water	45° 35,027' N	013° 14,103' E	10,9	175,0	45,583785	13,235053	244	3.8	
POS514_22-18	05.06.2017 12:42	Box Corer	max depth/on ground	45° 35,027' N	013° 14,103' E	10,9	175,0	45,583782	13,235057	244	3.6	13 m
POS514_22-18	05.06.2017 12:43	Box Corer	on deck	45° 35,027' N	013° 14,105' E	10,8	175,0	45,583777	13,235080	244	3.9	
POS514_23-1	05.06.2017 19:21	CTD	in the water	45° 31,011' N	012° 59,981' E	16,3	254,0	45,516847	12,999678	229	0.8	
POS514_23-1	05.06.2017 19:23	CTD	max depth/on ground	45° 31,011' N	012° 59,985' E	16,4	254,0	45,516847	12,999750	221	1.6	15 m max
POS514_23-1	05.06.2017 19:24	CTD	on deck	45° 31,009' N	012° 59,986' E	16,3	254,0	45,516810	12,999765	220	1.5	
POS514_23-2	05.06.2017 19:31	Van Veen Grab	in the water	45° 30,995' N	012° 59,976' E	16,1	254,0	45,516585	12,999598	237	1.7	
POS514_23-2	05.06.2017 19:32	Van Veen Grab	max depth/on ground	45° 30,994' N	012° 59,975' E	16,0	254,0	45,516565	12,999585	229	1.6	19 m max
POS514_23-2	05.06.2017 19:33	Van Veen Grab	on deck	45° 30,996' N	012° 59,975' E	16,0	254,0	45,516595	12,999588	227	1.6	

GEOMAR
Helmholtz-Zentrum für Ozeanforschung Kiel
Seite 33

POS514_23-3	05.06.2017 19:36	Van Veen Grab	in the water	45° 30,998' N	012° 59,978' E	16,1	254,0	45,516640	12,999637	244	1.6	
POS514_23-3	05.06.2017 19:37	Van Veen Grab	max depth/on ground	45° 30,998' N	012° 59,978' E	16,1	254,0	45,516633	12,999632	246	1.6	19 m max
POS514_23-3	05.06.2017 19:38	Van Veen Grab	on deck	45° 30,999' N	012° 59,979' E	16,0	254,0	45,516648	12,999650	222	1.6	
POS514_23-4	05.06.2017 19:40	Van Veen Grab	in the water	45° 30,998' N	012° 59,978' E	16,1	254,0	45,516638	12,999635	222	1.2	
POS514_23-4	05.06.2017 19:41	Van Veen Grab	max depth/on ground	45° 30,996' N	012° 59,977' E	16,0	254,0	45,516595	12,999620	236	1.2	19 m max
POS514_23-4	05.06.2017 19:42	Van Veen Grab	on deck	45° 30,996' N	012° 59,977' E	16,1	254,0	45,516603	12,999612	238	1.0	
POS514_23-5	05.06.2017 19:44	Van Veen Grab	in the water	45° 30,997' N	012° 59,978' E	16,1	254,0	45,516612	12,999640	214	1.3	
POS514_23-5	05.06.2017 19:45	Van Veen Grab	max depth/on ground	45° 30,998' N	012° 59,979' E	16,1	254,0	45,516638	12,999653	227	1.5	19 m max
POS514_23-5	05.06.2017 19:46	Van Veen Grab	on deck	45° 30,997' N	012° 59,980' E	16,1	254,0	45,516622	12,999673	224	1.6	
POS514_23-6	05.06.2017 19:48	Van Veen Grab	in the water	45° 30,999' N	012° 59,981' E	16,1	254,0	45,516653	12,999687	224	1.8	
POS514_23-6	05.06.2017 19:49	Van Veen Grab	max depth/on ground	45° 30,998' N	012° 59,980' E	16,2	254,0	45,516633	12,999660	222	1.7	19 m max
POS514_23-6	05.06.2017 19:50	Van Veen Grab	on deck	45° 30,999' N	012° 59,979' E	16,1	254,0	45,516648	12,999643	217	2.0	
POS514_23-7	05.06.2017 19:52	Van Veen Grab	in the water	45° 30,998' N	012° 59,978' E	16,1	254,0	45,516632	12,999627	225	2.1	
POS514_23-7	05.06.2017 19:53	Van Veen Grab	max depth/on ground	45° 30,997' N	012° 59,974' E	15,9	254,0	45,516620	12,999567	247	2.0	19 m max
POS514_23-7	05.06.2017 19:54	Van Veen Grab	on deck	45° 30,997' N	012° 59,975' E	16,0	254,0	45,516617	12,999577	256	2.4	
POS514_23-8	05.06.2017 19:59	Frahm Corer	in the water	45° 31,002' N	012° 59,970' E	16,0	254,0	45,516708	12,999508	262	2.0	
POS514_23-8	05.06.2017 20:00	Frahm Corer	max depth/on ground	45° 31,004' N	012° 59,972' E	16,0	254,0	45,516733	12,999528	263	2.1	19 m max
POS514_23-8	05.06.2017 20:01	Frahm Corer	on deck	45° 31,004' N	012° 59,970' E	15,9	254,0	45,516738	12,999503	263	2.2	
POS514_23-9	05.06.2017 20:03	Frahm Corer	in the water	45° 31,007' N	012° 59,968' E	16,1	254,0	45,516792	12,999462	254	2.3	
POS514_23-9	05.06.2017 20:05	Frahm Corer	max depth/on ground	45° 31,006' N	012° 59,966' E	16,1	254,0	45,516765	12,999438	253	2.4	19 m max
POS514_23-9	05.06.2017 20:06	Frahm Corer	on deck	45° 31,006' N	012° 59,967' E	16,1	254,0	45,516768	12,999445	252	2.4	
POS514_23-10	05.06.2017 20:07	Frahm Corer	in the water	45° 31,007' N	012° 59,966' E	16,1	254,0	45,516790	12,999430	244	2.4	
POS514_23-10	05.06.2017 20:08	Frahm Corer	max depth/on ground	45° 31,006' N	012° 59,967' E	16,1	254,0	45,516770	12,999455	243	2.4	19 m max
POS514_23-10	05.06.2017 20:09	Frahm Corer	on deck	45° 31,004' N	012° 59,968' E	16,0	254,0	45,516740	12,999460	248	2.5	
POS514_23-11	05.06.2017 20:15	Box Corer	in the water	45° 31,001' N	012° 59,971' E	16,0	254,0	45,516683	12,999522	238	2.5	
POS514_23-11	05.06.2017 20:17	Box Corer	max depth/on ground	45° 30,999' N	012° 59,972' E	16,0	254,0	45,516650	12,999527	241	2.4	18 m max
POS514_23-11	05.06.2017 20:18	Box Corer	on deck	45° 30,998' N	012° 59,970' E	15,9	254,0	45,516637	12,999503	236	2.2	
POS514_23-12	05.06.2017 20:19	Box Corer	in the water	45° 30,997' N	012° 59,970' E	16,0	254,0	45,516618	12,999497	245	2.1	
POS514_23-12	05.06.2017 20:21	Box Corer	max depth/on ground	45° 30,996' N	012° 59,969' E	16,0	254,0	45,516600	12,999483	233	1.9	19 m max
POS514_23-12	05.06.2017 20:22	Box Corer	on deck	45° 30,995' N	012° 59,971' E	16,0	254,0	45,516580	12,999513	217	2.0	

GEOMAR
Helmholtz-Zentrum für Ozeanforschung Kiel
Seite 34

POS514_23-13	05.06.2017 20:24	Box Corer	in the water	45° 30,995' N	012° 59,974' E	16,0	254,0	45,516582	12,999565	214	1.9	
POS514_23-13	05.06.2017 20:25	Box Corer	max depth/on ground	45° 30,997' N	012° 59,978' E	16,1	254,0	45,516608	12,999635	220	2.0	18 m max
POS514_23-13	05.06.2017 20:26	Box Corer	on deck	45° 30,998' N	012° 59,982' E	16,1	254,0	45,516635	12,999697	213	1.9	
POS514_24-1	06.06.2017 06:02	Van Veen Grab	in the water	45° 25,502' N	012° 48,009' E	18,2	72,0	45,425030	12,800148	108	4.0	
POS514_24-1	06.06.2017 06:04	Van Veen Grab	max depth/on ground	45° 25,504' N	012° 48,011' E	18,2	72,0	45,425063	12,800180	111	4.1	21 m max
POS514_24-1	06.06.2017 06:05	Van Veen Grab	on deck	45° 25,502' N	012° 48,011' E	18,2	72,0	45,425035	12,800180	110	4.1	
POS514_24-2	06.06.2017 06:09	Gravity corer	in the water	45° 25,501' N	012° 48,018' E	18,1	72,0	45,425013	12,800293	102	3.7	
POS514_24-2	06.06.2017 06:12	Gravity corer	max depth/on ground	45° 25,499' N	012° 48,022' E	18,2	72,0	45,424982	12,800367	104	4.4	22 m max
POS514_24-2	06.06.2017 06:15	Gravity corer	on deck	45° 25,497' N	012° 48,025' E	18,2	72,0	45,424945	12,800423	105	4.4	
POS514_24-3	06.06.2017 06:18	Gravity corer	in the water	45° 25,497' N	012° 48,027' E	18,2	72,0	45,424948	12,800458	104	4.9	
POS514_24-3	06.06.2017 06:19	Gravity corer	max depth/on ground	45° 25,498' N	012° 48,027' E	18,2	72,0	45,424970	12,800457	106	5.0	22 m max
POS514_24-3	06.06.2017 06:23	Gravity corer	on deck	45° 25,501' N	012° 48,028' E	18,2	72,0	45,425008	12,800475	107	4.8	
POS514_25-1	06.06.2017 11:03	CTD	in the water	44° 57,997' N	012° 57,033' E	31,0	37,0	44,966610	12,950557	173	7.6	
POS514_25-1	06.06.2017 11:06	CTD	max depth/on ground	44° 58,001' N	012° 57,032' E	30,7	81,0	44,966685	12,950540	169	8.9	29 m
POS514_25-1	06.06.2017 11:07	CTD	on deck	44° 58,006' N	012° 57,033' E	30,7	354,0	44,966763	12,950542	169	8.5	
POS514_25-2	06.06.2017 11:14	Van Veen Grab	in the water	44° 58,002' N	012° 57,018' E	30,6	243,0	44,966695	12,950293	170	9.4	
POS514_25-2	06.06.2017 11:15	Van Veen Grab	max depth/on ground	44° 58,004' N	012° 57,014' E	30,7	359,0	44,966740	12,950238	170	9.0	BoKo 34 m
POS514_25-2	06.06.2017 11:16	Van Veen Grab	on deck	44° 58,009' N	012° 57,014' E	30,9	342,0	44,966813	12,950232	172	9.4	
POS514_25-3	06.06.2017 11:24	Gravity corer	in the water	44° 58,028' N	012° 57,013' E	30,9	335,0	44,967137	12,950220	175	9.2	
POS514_25-3	06.06.2017 11:27	Gravity corer	max depth/on ground	44° 58,023' N	012° 57,010' E	30,7	203,0	44,967047	12,950172	174	9.6	BoKo 31 m, SL 35 m max
POS514_25-3	06.06.2017 11:32	Gravity corer	on deck	44° 58,023' N	012° 57,006' E	31,0	318,0	44,967045	12,950098	171	9.1	
POS514_25-4	06.06.2017 11:57	Gravity corer	in the water	44° 58,009' N	012° 56,989' E	30,5	350,0	44,966813	12,949810	173	8.6	
POS514_25-4	06.06.2017 11:59	Gravity corer	max depth/on ground	44° 58,011' N	012° 56,984' E	30,6	310,0	44,966847	12,949732	165	9.4	BoKo 29 m, SL 34 m max
POS514_25-4	06.06.2017 12:03	Gravity corer	on deck	44° 58,011' N	012° 56,972' E	30,5	272,0	44,966847	12,949535	167	8.5	
POS514_25-5	06.06.2017 12:33	Gravity corer	in the water	44° 57,994' N	012° 57,021' E	30,6	176,0	44,966560	12,950343	171	8.0	
POS514_25-5	06.06.2017 12:35	Gravity corer	max depth/on ground	44° 57,986' N	012° 57,021' E	30,6	181,0	44,966427	12,950343	174	8.7	BoKo 29 m, SL 35 m max
POS514_25-5	06.06.2017 12:39	Gravity corer	on deck	44° 57,980' N	012° 57,021' E	30,6	172,0	44,966333	12,950347	173	8.7	
POS514_25-6	06.06.2017 12:58	Multi Corer	in the water	44° 57,971' N	012° 57,010' E	31,3	230,0	44,966177	12,950165	170	9.6	
POS514_25-6	06.06.2017 13:00	Multi Corer	max depth/on ground	44° 57,970' N	012° 57,005' E	31,0	230,0	44,966170	12,950078	173	9.0	BoKo 32 m, SL 33 m max
POS514_25-6	06.06.2017 13:02	Multi Corer	on deck	44° 57,967' N	012° 57,002' E	30,7	230,0	44,966118	12,950027	169	9.2	

GEOMAR
Helmholtz-Zentrum für Ozeanforschung Kiel
Seite 35

POS514_25-7	06.06.2017 13:28	Van Veen Grab	in the water	44° 57,983' N	012° 56,979' E	30,8	4,0	44,966387	12,949647	173	10.1	
POS514_25-7	06.06.2017 13:30	Van Veen Grab	max depth/on ground	44° 57,993' N	012° 56,980' E	30,7	350,0	44,966547	12,949665	173	9.4	BoKo 33 m, SL 34 m max
POS514_25-7	06.06.2017 13:31	Van Veen Grab	on deck	44° 58,002' N	012° 56,978' E	30,9	352,0	44,966695	12,949642	173	9.8	
POS514_25-8	06.06.2017 13:36	Van Veen Grab	in the water	44° 57,998' N	012° 56,969' E	31,0	227,0	44,966637	12,949482	176	9.8	
POS514_25-8	06.06.2017 13:38	Van Veen Grab	max depth/on ground	44° 57,994' N	012° 56,958' E	30,8	248,0	44,966570	12,949302	177	9.3	BoKo 33 m, SL 34 m max
POS514_25-8	06.06.2017 13:39	Van Veen Grab	on deck	44° 57,996' N	012° 56,954' E	31,0	271,0	44,966598	12,949233	180	9.1	
POS514_25-9	06.06.2017 13:44	Van Veen Grab	in the water	44° 58,005' N	012° 56,949' E	30,7	72,0	44,966743	12,949150	181	9.0	
POS514_25-9	06.06.2017 13:46	Van Veen Grab	max depth/on ground	44° 58,005' N	012° 56,953' E	31,0	72,0	44,966750	12,949208	177	8.5	BoKo 33 m, SL 34 m max
POS514_25-9	06.06.2017 13:47	Van Veen Grab	on deck	44° 58,001' N	012° 56,955' E	30,9	155,0	44,966678	12,949253	176	8.6	
POS514_25-10	06.06.2017 13:53	Van Veen Grab	in the water	44° 58,009' N	012° 56,986' E	30,9	18,0	44,966820	12,949760	173	8.6	
POS514_25-10	06.06.2017 13:55	Van Veen Grab	max depth/on ground	44° 58,009' N	012° 56,985' E	30,7	355,0	44,966808	12,949748	175	8.9	BoKo 34 m
POS514_25-10	06.06.2017 13:57	Van Veen Grab	on deck	44° 58,001' N	012° 56,978' E	30,7	222,0	44,966683	12,949635	175	9.2	
POS514_25-11	06.06.2017 14:02	Van Veen Grab	in the water	44° 57,992' N	012° 56,967' E	30,6	170,0	44,966528	12,949453	175	8.8	
POS514_25-11	06.06.2017 14:04	Van Veen Grab	max depth/on ground	44° 57,987' N	012° 56,971' E	30,6	131,0	44,966453	12,949522	175	9.2	
POS514_25-11	06.06.2017 14:06	Van Veen Grab	on deck	44° 57,990' N	012° 56,973' E	30,6	338,0	44,966498	12,949553	172	9.7	
POS514_25-12	06.06.2017 14:19	Frahm Corer	in the water	44° 58,010' N	012° 56,986' E	30,9	115,0	44,966832	12,949773	170	8.4	
POS514_25-12	06.06.2017 14:20	Frahm Corer	max depth/on ground	44° 58,007' N	012° 56,992' E	30,7	164,0	44,966780	12,949858	169	8.9	
POS514_25-12	06.06.2017 14:22	Frahm Corer	on deck	44° 58,001' N	012° 56,991' E	30,9	172,0	44,966687	12,949855	171	8.1	
POS514_25-13	06.06.2017 14:26	Frahm Corer	in the water	44° 57,996' N	012° 57,003' E	30,6	117,0	44,966597	12,950057	172	8.8	
POS514_25-13	06.06.2017 14:27	Frahm Corer	max depth/on ground	44° 57,998' N	012° 57,006' E	30,7	117,0	44,966627	12,950102	172	8.4	
POS514_25-13	06.06.2017 14:30	Frahm Corer	on deck	44° 58,001' N	012° 57,007' E	31,1	117,0	44,966682	12,950123	171	8.9	
POS514_25-14	06.06.2017 14:38	Box Corer	in the water	44° 58,007' N	012° 57,006' E	30,9	147,0	44,966777	12,950095	173	9.9	
POS514_25-14	06.06.2017 14:40	Box Corer	max depth/on ground	44° 58,003' N	012° 57,009' E	30,6	143,0	44,966712	12,950143	175	9.3	
POS514_25-14	06.06.2017 14:42	Box Corer	on deck	44° 57,999' N	012° 57,014' E	32,7	143,0	44,966655	12,950237	176	9.9	
POS514_25-15	06.06.2017 14:47	Box Corer	in the water	44° 58,005' N	012° 57,016' E	30,9	345,0	44,966755	12,950273	183	9.6	
POS514_25-15	06.06.2017 14:48	Box Corer	max depth/on ground	44° 58,003' N	012° 57,017' E	30,8	345,0	44,966718	12,950285	181	10.4	
POS514_25-15	06.06.2017 14:50	Box Corer	on deck	44° 58,000' N	012° 57,015' E	30,7	345,0	44,966665	12,950248	180	10.2	
POS514_25-16	06.06.2017 14:54	Box Corer	in the water	44° 57,995' N	012° 57,016' E	30,8	104,0	44,966578	12,950267	186	11.1	
POS514_25-16	06.06.2017 14:55	Box Corer	max depth/on ground	44° 57,994' N	012° 57,016' E	31,0	104,0	44,966572	12,950273	187	10.9	
POS514_25-16	06.06.2017 14:57	Box Corer	on deck	44° 57,996' N	012° 57,022' E	31,0	98,0	44,966597	12,950368	189	11.4	

GEOMAR
Helmholtz-Zentrum für Ozeanforschung Kiel
Seite 36

POS514_26-1	09.06.2017 10:33	CTD	in the water	42° 16,974' N	018° 16,048' E	509,1	295,0	42,282902	18,267472	239	5.1	
POS514_26-1	09.06.2017 10:45	CTD	max depth/on ground	42° 16,995' N	018° 16,025' E	509,4	69,0	42,283252	18,267090	236	4.9	515 m
POS514_26-1	09.06.2017 10:55	CTD	on deck	42° 17,000' N	018° 15,998' E	510,5	288,0	42,283337	18,266635	238	5.7	
POS514_26-2	09.06.2017 11:06	MSN	in the water	42° 17,009' N	018° 16,013' E	509,5	251,0	42,283488	18,266882	239	5.5	
POS514_26-2	09.06.2017 11:10	MSN	max depth/on ground	42° 17,004' N	018° 15,997' E	511,1	266,0	42,283400	18,266612	237	5.1	100 m
POS514_26-2	09.06.2017 11:16	MSN	on deck	42° 17,009' N	018° 16,006' E	509,9	57,0	42,283482	18,266760	236	4.8	
POS514_26-3	09.06.2017 11:29	MSN	in the water	42° 17,014' N	018° 16,014' E	509,8	76,0	42,283570	18,266897	240	4.7	
POS514_26-3	09.06.2017 11:45	MSN	max depth/on ground	42° 17,006' N	018° 16,003' E	510,4	84,0	42,283435	18,266713	242	5.3	500 m
POS514_26-3	09.06.2017 12:05	MSN	on deck	42° 17,007' N	018° 15,997' E	510,5	80,0	42,283452	18,266618	238	5.6	
POS514_26-4	09.06.2017 12:07	MSN	in the water	42° 17,010' N	018° 16,003' E	510,2	63,0	42,283503	18,266712	245	4.9	
POS514_26-4	09.06.2017 12:11	MSN	max depth/on ground	42° 17,012' N	018° 16,006' E	510,7	63,0	42,283535	18,266762	242	5.0	100 m
POS514_26-4	09.06.2017 12:17	MSN	on deck	42° 17,006' N	018° 15,983' E	511,6	239,0	42,283433	18,266390	247	4.9	
POS514_26-5	09.06.2017 12:22	Van Veen Grab	in the water	42° 17,004' N	018° 15,993' E	511,3	86,0	42,283402	18,266543	246	4.5	
POS514_26-5	09.06.2017 12:34	Van Veen Grab	max depth/on ground	42° 16,992' N	018° 15,991' E	511,1	278,0	42,283202	18,266518	244	4.5	BoKo 525 m
POS514_26-5	09.06.2017 12:44	Van Veen Grab	on deck	42° 16,991' N	018° 15,983' E	512,5	257,0	42,283177	18,266388	243	4.3	
POS514_26-6	09.06.2017 12:49	Multi Corer	in the water	42° 16,981' N	018° 15,997' E	510,8	117,0	42,283018	18,266617	236	4.4	
POS514_26-6	09.06.2017 13:02	Multi Corer	max depth/on ground	42° 16,979' N	018° 15,971' E	515,4	304,0	42,282990	18,266183	248	3.9	BoKo 533 m, SL 534 m max
POS514_26-6	09.06.2017 13:18	Multi Corer	on deck	42° 16,978' N	018° 16,005' E	510,0	71,0	42,282973	18,266757	259	3.8	
POS514_26-7	09.06.2017 13:45	Gravity corer	in the water	42° 17,007' N	018° 15,968' E	511,2	36,0	42,283453	18,266128	252	3.9	
POS514_26-7	09.06.2017 13:58	Gravity corer	max depth/on ground	42° 17,017' N	018° 15,967' E	511,6	265,0	42,283613	18,266122	242	3.9	BoKo 531 m, SL 540m max
POS514_26-7	09.06.2017 14:09	Gravity corer	on deck	42° 17,026' N	018° 15,948' E	515,6	258,0	42,283760	18,265803	256	3.7	
POS514_26-8	09.06.2017 14:17	Van Veen Grab	in the water	42° 17,002' N	018° 16,012' E	508,5	36,0	42,283373	18,266870	268	3.9	
POS514_26-8	09.06.2017 14:27	Van Veen Grab	max depth/on ground	42° 17,024' N	018° 16,003' E	509,7	226,0	42,283725	18,266723	262	3.9	sl max = 525m
POS514_26-8	09.06.2017 14:38	Van Veen Grab	on deck	42° 17,019' N	018° 15,991' E	511,5	209,0	42,283645	18,266513	269	4.6	
POS514_26-9	09.06.2017 14:42	Van Veen Grab	in the water	42° 17,020' N	018° 15,990' E	509,5	185,0	42,283658	18,266507	269	4.3	
POS514_26-9	09.06.2017 14:53	Van Veen Grab	max depth/on ground	42° 17,010' N	018° 15,982' E	510,1	210,0	42,283495	18,266360	283	4.6	sl max = 525m
POS514_26-9	09.06.2017 15:03	Van Veen Grab	on deck	42° 17,001' N	018° 15,973' E	510,6	219,0	42,283352	18,266218	282	4.2	
POS514_26-10	09.06.2017 15:08	Van Veen Grab	in the water	42° 17,008' N	018° 15,984' E	509,7	40,0	42,283473	18,266397	288	4.4	
POS514_26-10	09.06.2017 15:18	Van Veen Grab	max depth/on ground	42° 17,005' N	018° 15,967' E	510,8	252,0	42,283417	18,266123	285	3.8	sl max = 526m
POS514_26-10	09.06.2017 15:29	Van Veen Grab	on deck	42° 17,000' N	018° 15,990' E	509,5	214,0	42,283332	18,266493	292	3.8	

GEOMAR
Helmholtz-Zentrum für Ozeanforschung Kiel
Seite 37

POS514_26-11	09.06.2017 15:40	Frahm Corer	in the water	42° 16,995' N	018° 16,002' E	509,0	217,0	42,283248	18,266700	298	4.0	
POS514_26-11	09.06.2017 15:51	Frahm Corer	max depth/on ground	42° 16,999' N	018° 15,994' E	509,3	217,0	42,283325	18,266560	300	4.7	BoKo 526 m
POS514_26-11	09.06.2017 16:02	Frahm Corer	on deck	42° 17,013' N	018° 16,002' E	509,8	217,0	42,283543	18,266698	303	4.0	
POS514_27-1	09.06.2017 17:26	CTD	in the water	42° 08,995' N	018° 06,986' E	1129,8	301,0	42,149918	18,116442	319	4.0	
POS514_27-1	09.06.2017 17:51	CTD	max depth/on ground	42° 09,015' N	018° 07,027' E	1125,5	272,0	42,150255	18,117120	318	3.7	sl max = 1141m
POS514_27-1	09.06.2017 18:14	CTD	on deck	42° 09,043' N	018° 07,043' E	1128,2	36,0	42,150713	18,117377	319	3.8	
POS514_27-2	09.06.2017 18:26	MSN	in the water	42° 09,059' N	018° 07,052' E	1126,3	298,0	42,150985	18,117535	315	4.0	
POS514_27-2	09.06.2017 18:30	MSN	max depth/on ground	42° 09,059' N	018° 07,065' E	1125,7	89,0	42,150985	18,117747	316	3.8	100 m max
POS514_27-2	09.06.2017 18:36	MSN	on deck	42° 09,067' N	018° 07,060' E	1128,2	106,0	42,151110	18,117660	318	3.8	
POS514_27-3	09.06.2017 18:40	MSN	in the water	42° 09,066' N	018° 07,069' E	1128,6	306,0	42,151098	18,117815	315	3.8	
POS514_27-3	09.06.2017 19:03	MSN	max depth/on ground	42° 09,042' N	018° 07,084' E	1126,9	159,0	42,150703	18,118073	308	3.7	700 m max
POS514_27-3	09.06.2017 19:27	MSN	on deck	42° 09,030' N	018° 07,102' E	1124,3	327,0	42,150502	18,118367	317	3.7	
POS514_27-4	09.06.2017 19:38	MSN	in the water	42° 09,038' N	018° 07,108' E	1133,9	357,0	42,150638	18,118472	325	4.1	
POS514_27-4	09.06.2017 19:41	MSN	max depth/on ground	42° 09,046' N	018° 07,118' E	1125,3	75,0	42,150765	18,118635	318	3.3	100 m max
POS514_27-4	09.06.2017 19:49	MSN	on deck	42° 09,035' N	018° 07,136' E	1131,3	100,0	42,150580	18,118935	325	3.8	
POS514_27-5	09.06.2017 20:00	Box Corer	in the water	42° 09,086' N	018° 07,095' E	1129,0	333,0	42,151435	18,118255	312	3.4	
POS514_27-5	09.06.2017 20:22	Box Corer	max depth/on ground	42° 09,060' N	018° 07,138' E	1122,1	84,0	42,150997	18,118960	317	3.1	1153 m max
POS514_27-5	09.06.2017 20:42	Box Corer	on deck	42° 09,035' N	018° 07,187' E	1124,7	84,0	42,150585	18,119787	320	3.2	
POS514_28-1	09.06.2017 22:35	CTD	in the water	41° 59,046' N	017° 56,074' E	1198,4	271,0	41,984100	17,934567	304	4.1	
POS514_28-1	09.06.2017 23:01	CTD	max depth/on ground	41° 59,002' N	017° 55,988' E	1199,5	154,0	41,983373	17,933137	303	3.3	1217 m
POS514_28-1	09.06.2017 23:15	CTD	on deck	41° 58,999' N	017° 55,984' E	1203,5	154,0	41,983313	17,933070	303	3.8	
POS514_28-2	09.06.2017 23:25	MSN	in the water	41° 58,999' N	017° 55,997' E	1205,1	19,0	41,983323	17,933282	296	3.9	
POS514_28-2	09.06.2017 23:29	MSN	max depth/on ground	41° 58,996' N	017° 56,003' E	1205,9	19,0	41,983267	17,933375	291	3.7	100 m
POS514_28-2	09.06.2017 23:37	MSN	on deck	41° 59,004' N	017° 56,009' E	1200,9	359,0	41,983395	17,933485	298	4.0	
POS514_28-3	09.06.2017 23:53	MSN	in the water	41° 59,006' N	017° 56,044' E	1199,6	76,0	41,983433	17,934063	286	4.1	
POS514_28-3	10.06.2017 00:10	MSN	max depth/on ground	41° 59,027' N	017° 56,047' E	1199,4	265,0	41,983777	17,934123	290	4.1	700 m
POS514_28-3	10.06.2017 00:33	MSN	on deck	41° 59,035' N	017° 56,046' E	1205,0	347,0	41,983923	17,934098	292	3.9	
POS514_28-4	10.06.2017 00:38	MSN	in the water	41° 59,043' N	017° 56,044' E	1201,6	347,0	41,984055	17,934065	290	3.9	
POS514_28-4	10.06.2017 00:41	MSN	max depth/on ground	41° 59,040' N	017° 56,034' E	1201,4	245,0	41,984000	17,933905	284	3.8	100 m
POS514_28-4	10.06.2017 00:47	MSN	on deck	41° 59,038' N	017° 56,034' E	1204,2	245,0	41,983970	17,933902	282	4.2	

GEOMAR
Helmholtz-Zentrum für Ozeanforschung Kiel
Seite 38

POS514_28-5	10.06.2017 00:56	Box Corer	in the water	41° 59,052' N	017° 56,047' E	1205,7	245,0	41,984195	17,934115	284	4.2	
POS514_28-5	10.06.2017 01:18	Box Corer	max depth/on ground	41° 59,041' N	017° 56,042' E	1203,8	245,0	41,984012	17,934040	273	5.1	BoKo 1230 m, SL 1232 m max
POS514_28-5	10.06.2017 01:39	Box Corer	on deck	41° 59,009' N	017° 56,041' E	1204,3	168,0	41,983488	17,934013	273	5.2	
POS514_29-1	10.06.2017 04:10	CTD	in the water	41° 48,016' N	017° 46,019' E	1193,3	294,0	41,800263	17,766988	300	3.0	
POS514_29-1	10.06.2017 04:34	CTD	max depth/on ground	41° 47,995' N	017° 46,031' E	1187,5	114,0	41,799915	17,767185	310	2.5	sl max = 1207m
POS514_29-1	10.06.2017 04:55	CTD	on deck	41° 47,999' N	017° 46,004' E	1187,2	114,0	41,799980	17,766727	319	1.7	
POS514_29-2	10.06.2017 05:08	MSN	in the water	41° 48,007' N	017° 46,001' E	1187,1	114,0	41,800118	17,766682	313	1.5	
POS514_29-2	10.06.2017 05:12	MSN	max depth/on ground	41° 48,006' N	017° 46,010' E	1188,7	114,0	41,800105	17,766837	317	1.5	sl max = 100m
POS514_29-2	10.06.2017 05:16	MSN	on deck	41° 48,006' N	017° 46,023' E	1190,2	114,0	41,800095	17,767045	312	1.1	
POS514_29-3	10.06.2017 05:22	MSN	in the water	41° 48,008' N	017° 46,024' E	1187,7	114,0	41,800137	17,767058	322	1.1	
POS514_29-3	10.06.2017 05:43	MSN	max depth/on ground	41° 48,005' N	017° 45,992' E	1194,9	222,0	41,800080	17,766525	295	1.3	sl max = 700m
POS514_29-3	10.06.2017 06:08	MSN	on deck	41° 48,018' N	017° 46,012' E	1190,2	95,0	41,800297	17,766872	287	1.8	
POS514_29-4	10.06.2017 06:19	MSN	in the water	41° 48,021' N	017° 46,021' E	1186,9	95,0	41,800345	17,767010	295	2.2	
POS514_29-4	10.06.2017 06:23	MSN	max depth/on ground	41° 48,019' N	017° 46,028' E	1190,6	95,0	41,800310	17,767125	307	2.2	100 m max
POS514_29-4	10.06.2017 06:30	MSN	on deck	41° 48,012' N	017° 46,033' E	1187,0	27,0	41,800207	17,767220	302	1.9	60,33333333
POS514_29-5	10.06.2017 06:37	Box Corer	in the water	41° 48,003' N	017° 46,015' E	1186,7	239,0	41,800052	17,766917	302	2.3	
POS514_29-5	10.06.2017 06:59	Box Corer	max depth/on ground	41° 48,000' N	017° 46,011' E	1194,2	239,0	41,799998	17,766850	285	1.8	1221 m max
POS514_29-5	10.06.2017 07:16	Box Corer	on deck	41° 47,988' N	017° 46,000' E	1187,3	239,0	41,799802	17,766670	281	2.2	
POS514_29-6	10.06.2017 07:25	Gravity corer	in the water	41° 47,989' N	017° 45,989' E	1186,8	239,0	41,799825	17,766483	291	2.0	
POS514_29-6	10.06.2017 07:44	Gravity corer	max depth/on ground	41° 47,972' N	017° 46,005' E	1192,5	239,0	41,799537	17,766758	292	1.7	1247 m max
POS514_29-6	10.06.2017 08:06	Gravity corer	on deck	41° 47,976' N	017° 45,992' E	1186,8	239,0	41,799608	17,766527	277	1.4	
POS514_29-7	10.06.2017 08:38	Multi Corer	in the water	41° 47,985' N	017° 45,988' E	1187,7	239,0	41,799745	17,766468	288	0.9	
POS514_29-7	10.06.2017 08:58	Multi Corer	max depth/on ground	41° 48,000' N	017° 46,004' E	1187,6	239,0	41,800005	17,766737	279	1.1	1238 m max
POS514_29-7	10.06.2017 09:16	Multi Corer	on deck	41° 48,009' N	017° 46,008' E	1189,4	239,0	41,800147	17,766807	262	1.2	
POS514_30-1	10.06.2017 12:07	Multi Corer	in the water	41° 58,966' N	017° 55,976' E	1203,3	255,0	41,982760	17,932930	274	2.8	
POS514_30-1	10.06.2017 12:30	Multi Corer	max depth/on ground	41° 58,986' N	017° 55,952' E	1197,8	44,0	41,983100	17,932532	276	2.5	BoKo 1248 m, SL 1250 m max
POS514_30-1	10.06.2017 12:52	Multi Corer	on deck	41° 59,001' N	017° 56,002' E	1198,2	19,0	41,983343	17,933358	297	2.7	
POS514_30-2	10.06.2017 12:58	Box Corer	in the water	41° 58,998' N	017° 55,990' E	1199,2	255,0	41,983297	17,933165	292	2.8	
POS514_30-2	10.06.2017 13:20	Box Corer	max depth/on ground	41° 59,010' N	017° 56,008' E	1199,4	255,0	41,983505	17,933465	295	2.2	BoKo 1230 m, SL 1232 m max
POS514_30-2	10.06.2017 13:39	Box Corer	on deck	41° 59,007' N	017° 56,004' E	1199,0	255,0	41,983452	17,933405	286	2.7	

GEOMAR
Helmholtz-Zentrum für Ozeanforschung Kiel
Seite 39

POS514_30-3	10.06.2017 13:44	Box Corer	in the water	41° 59,008' N	017° 56,011' E	1199,2	255,0	41,983473	17,933520	282	2.5	
POS514_30-3	10.06.2017 14:12	Box Corer	max depth/on ground	41° 59,009' N	017° 55,989' E	1200,9	253,0	41,983482	17,933150	291	2.9	sl max = 1329m
POS514_30-3	10.06.2017 14:37	Box Corer	on deck	41° 59,012' N	017° 56,021' E	1198,9	253,0	41,983532	17,933680	283	3.7	
POS514_31-1	11.06.2017 04:03	CTD	in the water	42° 27,008' N	016° 52,987' E	205,0	28,0	42,450138	16,883112	50	9.9	
POS514_31-1	11.06.2017 04:10	CTD	max depth/on ground	42° 26,989' N	016° 52,987' E	205,3	128,0	42,449818	16,883123	52	9.3	sl max = 205m
POS514_31-1	11.06.2017 04:16	CTD	on deck	42° 27,002' N	016° 52,998' E	205,2	37,0	42,450032	16,883297	51	8.9	
POS514_31-2	11.06.2017 04:27	MSN	in the water	42° 27,002' N	016° 52,997' E	205,1	37,0	42,450037	16,883288	49	7.8	
POS514_31-2	11.06.2017 04:31	MSN	max depth/on ground	42° 26,995' N	016° 52,998' E	205,4	37,0	42,449915	16,883293	44	7.2	sl max = 100m
POS514_31-2	11.06.2017 04:38	MSN	on deck	42° 26,984' N	016° 52,980' E	205,3	245,0	42,449727	16,882993	43	10.9	
POS514_31-3	11.06.2017 04:49	MSN	in the water	42° 27,001' N	016° 52,998' E	205,0	23,0	42,450023	16,883298	47	9.8	
POS514_31-3	11.06.2017 04:55	MSN	max depth/on ground	42° 27,001' N	016° 52,993' E	205,1	23,0	42,450008	16,883222	48	9.7	sl max = 190m
POS514_31-3	11.06.2017 05:04	MSN	on deck	42° 27,001' N	016° 53,005' E	205,2	23,0	42,450008	16,883420	47	8.5	
POS514_31-4	11.06.2017 05:10	MSN	in the water	42° 26,997' N	016° 52,999' E	205,2	192,0	42,449947	16,883318	43	8.5	
POS514_31-4	11.06.2017 05:13	MSN	max depth/on ground	42° 26,993' N	016° 52,996' E	205,2	192,0	42,449878	16,883262	45	9.3	sl max = 100m
POS514_31-4	11.06.2017 05:19	MSN	on deck	42° 26,998' N	016° 52,994' E	205,2	192,0	42,449963	16,883225	45	9.3	
POS514_31-5	11.06.2017 05:26	Van Veen Grab	in the water	42° 27,004' N	016° 52,990' E	205,0	242,0	42,450073	16,883163	47	8.3	
POS514_31-5	11.06.2017 05:31	Van Veen Grab	max depth/on ground	42° 27,001' N	016° 52,994' E	205,1	94,0	42,450022	16,883242	48	9.5	sl max = 213m
POS514_31-5	11.06.2017 05:36	Van Veen Grab	on deck	42° 27,013' N	016° 52,996' E	205,0	342,0	42,450217	16,883260	54	9.5	
POS514_31-6	11.06.2017 05:40	Van Veen Grab	in the water	42° 27,010' N	016° 52,995' E	205,0	151,0	42,450162	16,883250	54	8.0	
POS514_31-6	11.06.2017 05:46	Van Veen Grab	max depth/on ground	42° 27,006' N	016° 52,986' E	205,0	150,0	42,450100	16,883107	52	9.1	sl max = 213m
POS514_31-6	11.06.2017 05:50	Van Veen Grab	on deck	42° 27,004' N	016° 52,976' E	205,0	150,0	42,450070	16,882940	53	9.1	
POS514_31-7	11.06.2017 05:54	Van Veen Grab	in the water	42° 27,004' N	016° 52,980' E	205,0	150,0	42,450067	16,882997	55	9.2	
POS514_31-7	11.06.2017 05:58	Van Veen Grab	max depth/on ground	42° 27,005' N	016° 52,987' E	205,1	150,0	42,450083	16,883110	57	9.2	sl max = 213 m
POS514_31-7	11.06.2017 06:03	Van Veen Grab	on deck	42° 27,012' N	016° 52,992' E	205,0	38,0	42,450197	16,883193	54	7.9	
POS514_31-8	11.06.2017 06:06	Van Veen Grab	in the water	42° 27,015' N	016° 52,992' E	204,9	38,0	42,450243	16,883202	55	6.9	
POS514_31-8	11.06.2017 06:12	Van Veen Grab	max depth/on ground	42° 27,018' N	016° 52,995' E	204,9	38,0	42,450307	16,883250	55	6.8	213 m max
POS514_31-8	11.06.2017 06:14	Van Veen Grab	on deck	42° 27,014' N	016° 52,991' E	204,9	209,0	42,450237	16,883185	45	7.2	
POS514_31-9	11.06.2017 06:17	Van Veen Grab	in the water	42° 27,006' N	016° 52,984' E	205,1	203,0	42,450092	16,883073	42	7.7	
POS514_31-9	11.06.2017 06:21	Van Veen Grab	max depth/on ground	42° 26,997' N	016° 52,982' E	205,0	192,0	42,449950	16,883040	41	7.8	213 m max
POS514_31-9	11.06.2017 06:25	Van Veen Grab	on deck	42° 27,004' N	016° 52,988' E	205,0	192,0	42,450060	16,883137	44	8.5	

GEOMAR
Helmholtz-Zentrum für Ozeanforschung Kiel
Seite 40

POS514_31-10	11.06.2017 06:30	Van Veen Grab	in the water	42° 27,016' N	016° 52,994' E	204,8	14,0	42,450268	16,883233	45	6.8	
POS514_31-10	11.06.2017 06:34	Van Veen Grab	max depth/on ground	42° 27,023' N	016° 52,998' E	204,7	14,0	42,450380	16,883293	53	5.0	213 m max
POS514_31-10	11.06.2017 06:38	Van Veen Grab	on deck	42° 27,028' N	016° 52,994' E	204,6	14,0	42,450465	16,883225	63	4.4	
POS514_31-11	11.06.2017 06:42	Multi Corer	in the water	42° 27,031' N	016° 52,994' E	204,7	14,0	42,450513	16,883238	62	4.0	
POS514_31-11	11.06.2017 06:46	Multi Corer	max depth/on ground	42° 27,024' N	016° 52,999' E	204,9	14,0	42,450397	16,883312	54	3.7	214 m max
POS514_31-11	11.06.2017 06:51	Multi Corer	on deck	42° 27,015' N	016° 53,003' E	205,0	14,0	42,450253	16,883382	52	4.2	
POS514_31-12	11.06.2017 07:13	Gravity corer	in the water	42° 26,993' N	016° 52,986' E	205,2	39,0	42,449878	16,883095	38	8.2	
POS514_31-12	11.06.2017 07:19	Gravity corer	max depth/on ground	42° 26,998' N	016° 52,977' E	205,0	288,0	42,449963	16,882950	40	8.1	217 m max
POS514_31-12	11.06.2017 07:25	Gravity corer	on deck	42° 27,001' N	016° 52,987' E	205,0	64,0	42,450015	16,883125	37	7.5	
POS514_31-13	11.06.2017 07:36	Box Corer	in the water	42° 27,015' N	016° 53,011' E	205,0	250,0	42,450243	16,883518	34	6.8	
POS514_31-13	11.06.2017 07:41	Box Corer	max depth/on ground	42° 27,018' N	016° 53,011' E	204,9	261,0	42,450302	16,883512	30	7.1	212 m max
POS514_31-13	11.06.2017 07:45	Box Corer	on deck	42° 27,015' N	016° 53,006' E	204,9	260,0	42,450252	16,883435	29	7.7	
POS514_31-14	11.06.2017 07:53	Frahm Corer	in the water	42° 27,008' N	016° 53,025' E	205,2	260,0	42,450127	16,883755	31	7.4	
POS514_31-14	11.06.2017 07:57	Frahm Corer	max depth/on ground	42° 27,002' N	016° 53,018' E	205,1	260,0	42,450030	16,883638	33	6.8	212 m max
POS514_31-14	11.06.2017 08:02	Frahm Corer	on deck	42° 27,000' N	016° 53,016' E	205,3	260,0	42,450007	16,883602	33	6.8	
POS514_31-15	11.06.2017 08:06	Frahm Corer	in the water	42° 27,005' N	016° 53,022' E	205,2	260,0	42,450077	16,883700	29	6.3	
POS514_31-15	11.06.2017 08:10	Frahm Corer	max depth/on ground	42° 27,011' N	016° 53,031' E	205,2	41,0	42,450187	16,883842	25	6.0	sl max = 212m
POS514_31-15	11.06.2017 08:14	Frahm Corer	on deck	42° 27,021' N	016° 53,027' E	205,0	317,0	42,450357	16,883790	25	4.9	
POS514_32-1	11.06.2017 11:15	CTD	in the water	42° 38,022' N	017° 23,980' E	145,2	207,0	42,633707	17,399673	341	4.9	
POS514_32-1	11.06.2017 11:22	CTD	max depth/on ground	42° 38,017' N	017° 23,983' E	145,2	55,0	42,633617	17,399717	341	6.6	141 m
POS514_32-1	11.06.2017 11:25	CTD	on deck	42° 38,015' N	017° 23,991' E	145,2	55,0	42,633583	17,399850	334	6.6	
POS514_32-2	11.06.2017 11:36	MSN	in the water	42° 38,056' N	017° 24,039' E	144,8	145,0	42,634263	17,400642	326	5.6	
POS514_32-2	11.06.2017 11:39	MSN	max depth/on ground	42° 38,047' N	017° 24,049' E	145,0	112,0	42,634115	17,400813	319	5.5	100 m
POS514_32-2	11.06.2017 11:45	MSN	on deck	42° 38,024' N	017° 24,064' E	145,1	144,0	42,633728	17,401065	324	6.0	
POS514_32-3	11.06.2017 11:49	MSN	in the water	42° 38,026' N	017° 24,061' E	145,2	144,0	42,633760	17,401017	323	6.0	
POS514_32-3	11.06.2017 11:53	MSN	max depth/on ground	42° 38,029' N	017° 24,058' E	145,3	144,0	42,633817	17,400963	311	5.9	100 m
POS514_32-3	11.06.2017 12:01	MSN	on deck	42° 38,023' N	017° 24,043' E	145,3	221,0	42,633717	17,400712	297	7.1	
POS514_32-4	11.06.2017 12:06	Van Veen Grab	in the water	42° 38,010' N	017° 24,021' E	145,4	229,0	42,633498	17,400347	299	7.3	
POS514_32-4	11.06.2017 12:10	Van Veen Grab	max depth/on ground	42° 38,008' N	017° 24,027' E	145,5	229,0	42,633460	17,400450	303	7.8	151 m
POS514_32-4	11.06.2017 12:13	Van Veen Grab	on deck	42° 38,003' N	017° 24,037' E	145,5	118,0	42,633390	17,400613	299	8.2	

GEOMAR
Helmholtz-Zentrum für Ozeanforschung Kiel
Seite 41

POS514_32-5	11.06.2017 12:18	Van Veen Grab	in the water	42° 38,007' N	017° 24,021' E	145,5	290,0	42,633448	17,400342	300	7.3	
POS514_32-5	11.06.2017 12:22	Van Veen Grab	max depth/on ground	42° 38,005' N	017° 24,021' E	145,5	290,0	42,633410	17,400358	297	7.6	151 m
POS514_32-5	11.06.2017 12:25	Van Veen Grab	on deck	42° 38,004' N	017° 24,017' E	145,5	290,0	42,633393	17,400282	299	7.8	
POS514_32-6	11.06.2017 12:31	Van Veen Grab	in the water	42° 38,004' N	017° 24,008' E	145,5	290,0	42,633403	17,400135	300	7.9	
POS514_32-6	11.06.2017 12:35	Van Veen Grab	max depth/on ground	42° 38,003' N	017° 24,009' E	145,5	290,0	42,633383	17,400148	301	7.1	151 m
POS514_32-6	11.06.2017 12:39	Van Veen Grab	on deck	42° 38,007' N	017° 24,006' E	145,5	294,0	42,633457	17,400095	297	7.8	
POS514_32-7	11.06.2017 12:45	Van Veen Grab	in the water	42° 38,010' N	017° 24,011' E	145,5	196,0	42,633507	17,400175	294	8.3	
POS514_32-7	11.06.2017 12:49	Van Veen Grab	max depth/on ground	42° 38,012' N	017° 24,018' E	145,5	196,0	42,633542	17,400305	291	8.2	151 m
POS514_32-7	11.06.2017 12:52	Van Veen Grab	on deck	42° 38,016' N	017° 24,021' E	145,5	196,0	42,633598	17,400352	289	7.9	
POS514_32-8	11.06.2017 12:57	Van Veen Grab	in the water	42° 38,014' N	017° 24,012' E	145,5	281,0	42,633573	17,400195	294	8.4	
POS514_32-8	11.06.2017 13:00	Van Veen Grab	max depth/on ground	42° 38,016' N	017° 24,000' E	145,5	274,0	42,633607	17,400000	294	8.7	151
POS514_32-8	11.06.2017 13:02	Van Veen Grab	on deck	42° 38,012' N	017° 24,014' E	145,5	123,0	42,633538	17,400230	295	8.4	
POS514_32-9	11.06.2017 13:06	Van Veen Grab	in the water	42° 38,009' N	017° 24,016' E	145,5	171,0	42,633477	17,400262	287	8.6	
POS514_32-9	11.06.2017 13:09	Van Veen Grab	max depth/on ground	42° 38,016' N	017° 24,017' E	145,5	171,0	42,633607	17,400288	287	8.8	151 m
POS514_32-9	11.06.2017 13:13	Van Veen Grab	on deck	42° 38,016' N	017° 24,036' E	145,4	92,0	42,633603	17,400598	284	8.8	
POS514_32-10	11.06.2017 13:21	Gravity corer	in the water	42° 38,014' N	017° 24,006' E	145,4	192,0	42,633572	17,400102	288	8.8	
POS514_32-10	11.06.2017 13:26	Gravity corer	max depth/on ground	42° 38,019' N	017° 24,005' E	145,4	240,0	42,633650	17,400082	287	8.4	BoKo 148 m SL 154 m
POS514_32-10	11.06.2017 13:32	Gravity corer	on deck	42° 38,018' N	017° 24,011' E	145,5	265,0	42,633635	17,400182	281	8.8	
POS514_32-11	11.06.2017 14:01	Gravity corer	in the water	42° 38,005' N	017° 24,027' E	145,6	279,0	42,633413	17,400443	283	8.7	
POS514_32-11	11.06.2017 14:05	Gravity corer	max depth/on ground	42° 38,003' N	017° 24,018' E	145,7	279,0	42,633392	17,400307	287	8.5	BoKo 149m, SL max 156m
POS514_32-11	11.06.2017 14:11	Gravity corer	on deck	42° 37,994' N	017° 24,015' E	145,7	279,0	42,633240	17,400252	289	8.9	
POS514_32-12	11.06.2017 14:40	Multi Corer	in the water	42° 37,993' N	017° 24,020' E	145,7	105,0	42,633218	17,400337	285	9.3	
POS514_32-12	11.06.2017 14:44	Multi Corer	max depth/on ground	42° 37,994' N	017° 24,005' E	145,7	280,0	42,633237	17,400082	287	9.2	sl max = 153m
POS514_32-12	11.06.2017 14:47	Multi Corer	on deck	42° 37,994' N	017° 24,019' E	145,7	83,0	42,633227	17,400313	285	8.7	
POS514_32-13	11.06.2017 14:55	Frahm Corer	in the water	42° 38,000' N	017° 24,028' E	145,6	237,0	42,633333	17,400470	284	9.1	
POS514_32-13	11.06.2017 14:58	Frahm Corer	max depth/on ground	42° 37,996' N	017° 24,022' E	145,7	223,0	42,633273	17,400362	285	9.4	sl max = 150m
POS514_32-13	11.06.2017 15:02	Frahm Corer	on deck	42° 37,993' N	017° 24,020' E	145,8	223,0	42,633223	17,400332	288	8.8	
POS514_32-14	11.06.2017 15:06	Frahm Corer	in the water	42° 37,993' N	017° 24,014' E	145,8	223,0	42,633208	17,400242	289	9.1	
POS514_32-14	11.06.2017 15:10	Frahm Corer	max depth/on ground	42° 37,994' N	017° 24,010' E	145,8	223,0	42,633227	17,400162	287	8.5	sl max = 150m
POS514_32-14	11.06.2017 15:14	Frahm Corer	on deck	42° 38,002' N	017° 24,007' E	145,8	223,0	42,633373	17,400113	286	8.8	

GEOMAR
Helmholtz-Zentrum für Ozeanforschung Kiel
Seite 42

POS514_33-1	12.06.2017 04:05	CTD	in the water	43° 14,990' N	016° 04,033' E	109,3	21,0	43,249828	16,067213	80	2.4	
POS514_33-1	12.06.2017 04:10	CTD	max depth/on ground	43° 15,012' N	016° 04,037' E	109,4	28,0	43,250200	16,067283	86	2.6	sl max = 107m
POS514_33-1	12.06.2017 04:13	CTD	on deck	43° 15,014' N	016° 04,033' E	109,4	28,0	43,250232	16,067217	92	2.6	
POS514_33-2	12.06.2017 04:23	MSN	in the water	43° 15,004' N	016° 04,002' E	109,4	277,0	43,250068	16,066705	89	2.3	
POS514_33-2	12.06.2017 04:27	MSN	max depth/on ground	43° 15,012' N	016° 03,977' E	109,5	318,0	43,250200	16,066280	83	2.6	sl max = 100m
POS514_33-2	12.06.2017 04:33	MSN	on deck	43° 15,045' N	016° 03,963' E	109,5	352,0	43,250743	16,066052	73	2.7	
POS514_33-3	12.06.2017 04:37	MSN	in the water	43° 15,049' N	016° 03,976' E	109,5	141,0	43,250813	16,066268	74	2.7	
POS514_33-3	12.06.2017 04:41	MSN	max depth/on ground	43° 15,037' N	016° 03,990' E	109,5	150,0	43,250617	16,066505	77	2.8	sl max = 100m
POS514_33-3	12.06.2017 04:47	MSN	on deck	43° 15,012' N	016° 04,005' E	109,5	148,0	43,250200	16,066753	74	2.5	
POS514_33-4	12.06.2017 04:56	Van Veen Grab	in the water	43° 15,005' N	016° 04,016' E	109,4	145,0	43,250080	16,066932	74	2.7	
POS514_33-4	12.06.2017 04:59	Van Veen Grab	max depth/on ground	43° 15,006' N	016° 04,015' E	109,4	145,0	43,250100	16,066912	72	2.4	sl max = 115m
POS514_33-4	12.06.2017 05:02	Van Veen Grab	on deck	43° 15,006' N	016° 04,012' E	109,4	145,0	43,250103	16,066863	69	2.3	
POS514_33-5	12.06.2017 05:05	Van Veen Grab	in the water	43° 15,005' N	016° 04,011' E	109,4	145,0	43,250088	16,066847	76	2.4	
POS514_33-5	12.06.2017 05:08	Van Veen Grab	max depth/on ground	43° 15,004' N	016° 04,014' E	109,4	145,0	43,250072	16,066893	68	2.0	sl max = 115m
POS514_33-5	12.06.2017 05:11	Van Veen Grab	on deck	43° 15,002' N	016° 04,017' E	109,4	145,0	43,250028	16,066955	53	1.7	
POS514_33-6	12.06.2017 05:13	Van Veen Grab	in the water	43° 14,997' N	016° 04,021' E	109,4	145,0	43,249950	16,067020	25	1.4	
POS514_33-6	12.06.2017 05:15	Van Veen Grab	max depth/on ground	43° 14,995' N	016° 04,024' E	109,4	145,0	43,249918	16,067073	19	1.2	sl max = 115m
POS514_33-6	12.06.2017 05:18	Van Veen Grab	on deck	43° 14,993' N	016° 04,027' E	109,4	145,0	43,249888	16,067115	35	1.6	
POS514_33-7	12.06.2017 05:21	Van Veen Grab	in the water	43° 14,995' N	016° 04,027' E	109,4	145,0	43,249915	16,067120	35	1.2	
POS514_33-7	12.06.2017 05:23	Van Veen Grab	max depth/on ground	43° 14,998' N	016° 04,024' E	109,4	145,0	43,249972	16,067067	24	1.2	sl max = 115m
POS514_33-7	12.06.2017 05:26	Van Veen Grab	on deck	43° 15,001' N	016° 04,023' E	109,4	145,0	43,250022	16,067055	10	1.1	
POS514_33-8	12.06.2017 05:29	Van Veen Grab	in the water	43° 15,007' N	016° 04,024' E	109,4	145,0	43,250117	16,067060	354	1.3	
POS514_33-8	12.06.2017 05:31	Van Veen Grab	max depth/on ground	43° 15,012' N	016° 04,022' E	109,4	309,0	43,250198	16,067040	344	1.4	sl max = 115m
POS514_33-8	12.06.2017 05:33	Van Veen Grab	on deck	43° 15,012' N	016° 04,010' E	109,4	234,0	43,250198	16,066838	13	0.9	
POS514_33-9	12.06.2017 05:36	Van Veen Grab	in the water	43° 15,008' N	016° 04,009' E	109,4	198,0	43,250132	16,066817	39	1.3	
POS514_33-9	12.06.2017 05:38	Van Veen Grab	max depth/on ground	43° 15,010' N	016° 04,014' E	109,4	198,0	43,250162	16,066897	33	1.4	sl max = 115m
POS514_33-9	12.06.2017 05:41	Van Veen Grab	on deck	43° 15,011' N	016° 04,022' E	109,4	198,0	43,250177	16,067040	41	1.3	
POS514_33-10	12.06.2017 05:44	Multi Corer	in the water	43° 15,007' N	016° 04,030' E	109,4	198,0	43,250120	16,067167	63	1.3	
POS514_33-10	12.06.2017 05:49	Multi Corer	max depth/on ground	43° 15,001' N	016° 04,042' E	109,4	198,0	43,250010	16,067368	60	1.6	sl max = 117m
POS514_33-10	12.06.2017 05:53	Multi Corer	on deck	43° 15,000' N	016° 04,049' E	109,3	198,0	43,250005	16,067485	65	1.7	

GEOMAR
Helmholtz-Zentrum für Ozeanforschung Kiel
Seite 43

POS514_33-11	12.06.2017 06:16	Gravity corer	in the water	43° 14,983' N	016° 04,017' E	109,4	200,0	43,249710	16,066947	57	1.5	
POS514_33-11	12.06.2017 06:21	Gravity corer	max depth/on ground	43° 14,979' N	016° 04,024' E	109,3	200,0	43,249650	16,067062	66	1.6	118 m max
POS514_33-11	12.06.2017 06:27	Gravity corer	on deck	43° 14,973' N	016° 04,030' E	109,4	200,0	43,249550	16,067163	82	1.5	
POS514_33-12	12.06.2017 06:32	Box Corer	in the water	43° 14,970' N	016° 04,033' E	109,4	200,0	43,249492	16,067215	84	1.4	
POS514_33-12	12.06.2017 06:34	Box Corer	max depth/on ground	43° 14,967' N	016° 04,031' E	109,4	200,0	43,249452	16,067183	88	1.5	114 m max
POS514_33-12	12.06.2017 06:37	Box Corer	on deck	43° 14,967' N	016° 04,032' E	109,4	200,0	43,249458	16,067195	90	1.7	
POS514_33-13	12.06.2017 06:44	Frahm Corer	in the water	43° 14,978' N	016° 04,039' E	109,4	200,0	43,249630	16,067317	95	1.7	
POS514_33-13	12.06.2017 06:46	Frahm Corer	max depth/on ground	43° 14,983' N	016° 04,041' E	109,4	200,0	43,249717	16,067347	98	2.0	113 m max
POS514_33-13	12.06.2017 06:48	Frahm Corer	on deck	43° 14,987' N	016° 04,041' E	109,3	200,0	43,249780	16,067343	94	1.9	
POS514_33-14	12.06.2017 06:49	Frahm Corer	in the water	43° 14,988' N	016° 04,041' E	109,3	200,0	43,249800	16,067348	94	2.1	
POS514_33-14	12.06.2017 06:51	Frahm Corer	max depth/on ground	43° 14,994' N	016° 04,041' E	109,3	200,0	43,249907	16,067347	94	2.1	114 m max
POS514_33-14	12.06.2017 06:54	Frahm Corer	on deck	43° 14,998' N	016° 04,043' E	109,4	200,0	43,249965	16,067385	90	2.3	
POS514_33-15	12.06.2017 06:58	Frahm Corer	in the water	43° 15,003' N	016° 04,042' E	109,4	200,0	43,250043	16,067370	96	2.4	
POS514_33-15	12.06.2017 07:01	Frahm Corer	max depth/on ground	43° 15,004' N	016° 04,042' E	109,3	200,0	43,250067	16,067372	101	2.5	114 m max
POS514_33-15	12.06.2017 07:04	Frahm Corer	on deck	43° 15,006' N	016° 04,037' E	109,4	200,0	43,250098	16,067292	105	2.6	
POS514_34-1	12.06.2017 12:02	CTD	in the water	43° 20,011' N	015° 14,028' E	239,6	121,0	43,333518	15,233800	263	1.4	
POS514_34-1	12.06.2017 12:09	CTD	max depth/on ground	43° 20,016' N	015° 14,028' E	239,2	121,0	43,333593	15,233807	290	1.4	219 m
POS514_34-1	12.06.2017 12:14	CTD	on deck	43° 20,013' N	015° 14,025' E	239,1	121,0	43,333555	15,233750	282	1.2	
POS514_34-1	12.06.2017 12:18	CTD	information	43° 20,008' N	015° 14,020' E	222,0	121,0	43,333472	15,233668	296	1.0	
POS514_34-2	12.06.2017 12:23	MSN	in the water	43° 20,007' N	015° 14,010' E	221,8	121,0	43,333447	15,233497	304	1.6	
POS514_34-2	12.06.2017 12:27	MSN	max depth/on ground	43° 20,006' N	015° 13,998' E	222,5	121,0	43,333438	15,233308	310	1.2	100 m
POS514_34-2	12.06.2017 12:33	MSN	on deck	43° 20,004' N	015° 13,987' E	221,8	121,0	43,333405	15,233113	288	1.0	
POS514_34-3	12.06.2017 12:36	MSN	in the water	43° 20,002' N	015° 13,986' E	222,8	121,0	43,333365	15,233097	302	1.5	
POS514_34-3	12.06.2017 12:42	MSN	max depth/on ground	43° 20,004' N	015° 13,982' E	221,8	121,0	43,333408	15,233027	314	1.3	200 m
POS514_34-3	12.06.2017 12:51	MSN	on deck	43° 20,007' N	015° 13,980' E	221,7	121,0	43,333455	15,232992	295	1.4	
POS514_34-4	12.06.2017 12:57	Van Veen Grab	in the water	43° 20,001' N	015° 13,979' E	221,8	121,0	43,333352	15,232978	299	1.6	
POS514_34-4	12.06.2017 13:02	Van Veen Grab	max depth/on ground	43° 20,003' N	015° 13,978' E	221,7	121,0	43,333387	15,232968	312	1.4	228 m
POS514_34-4	12.06.2017 13:06	Van Veen Grab	on deck	43° 20,012' N	015° 13,978' E	221,7	121,0	43,333533	15,232967	312	1.6	
POS514_34-5	12.06.2017 13:10	Van Veen Grab	in the water	43° 20,016' N	015° 13,980' E	221,7	121,0	43,333598	15,233000	297	1.1	
POS514_34-5	12.06.2017 13:16	Van Veen Grab	max depth/on ground	43° 20,014' N	015° 13,977' E	221,7	121,0	43,333570	15,232948	296	1.0	228 m

GEOMAR
Helmholtz-Zentrum für Ozeanforschung Kiel
Seite 44

POS514_34-5	12.06.2017 13:21	Van Veen Grab	on deck	43° 20,010' N	015° 13,970' E	234,1	121,0	43,333497	15,232838	315	1.3	
POS514_34-6	12.06.2017 13:21	Van Veen Grab	in the water	43° 20,012' N	015° 13,970' E	221,9	121,0	43,333533	15,232832	314	1.2	
POS514_34-6	12.06.2017 13:31	Van Veen Grab	max depth/on ground	43° 20,007' N	015° 13,985' E	221,9	121,0	43,333442	15,233087	313	1.5	228 m
POS514_34-6	12.06.2017 13:35	Van Veen Grab	on deck	43° 20,010' N	015° 13,996' E	221,9	61,0	43,333497	15,233258	307	1.4	
POS514_34-7	12.06.2017 13:39	Van Veen Grab	in the water	43° 20,011' N	015° 13,992' E	221,9	61,0	43,333513	15,233193	295	1.1	
POS514_34-7	12.06.2017 13:44	Van Veen Grab	max depth/on ground	43° 20,003' N	015° 13,984' E	221,9	61,0	43,333390	15,233067	312	1.2	228 m
POS514_34-7	12.06.2017 13:49	Van Veen Grab	on deck	43° 20,001' N	015° 13,984' E	222,4	61,0	43,333350	15,233062	291	1.4	
POS514_34-8	12.06.2017 13:53	Van Veen Grab	in the water	43° 20,002' N	015° 13,988' E	221,9	61,0	43,333363	15,233137	294	1.4	
POS514_34-8	12.06.2017 13:58	Van Veen Grab	max depth/on ground	43° 20,003' N	015° 13,988' E	221,9	61,0	43,333390	15,233137	269	1.1	228 m
POS514_34-8	12.06.2017 14:03	Van Veen Grab	on deck	43° 20,005' N	015° 13,986' E	221,9	61,0	43,333410	15,233108	288	1.3	
POS514_34-9	12.06.2017 14:07	Van Veen Grab	in the water	43° 20,007' N	015° 13,983' E	222,2	61,0	43,333442	15,233042	275	1.0	
POS514_34-9	12.06.2017 14:14	Van Veen Grab	max depth/on ground	43° 20,013' N	015° 13,976' E	234,1	61,0	43,333543	15,232933	290	1.1	sl max = 228m
POS514_34-9	12.06.2017 14:19	Van Veen Grab	on deck	43° 20,021' N	015° 13,970' E	221,8	61,0	43,333688	15,232837	292	1.4	
POS514_34-10	12.06.2017 14:23	Gravity corer	in the water	43° 20,020' N	015° 13,968' E	221,8	61,0	43,333668	15,232802	279	1.2	
POS514_34-10	12.06.2017 14:31	Gravity corer	max depth/on ground	43° 20,020' N	015° 13,968' E	221,7	61,0	43,333673	15,232803	271	1.1	sl max = 234m
POS514_34-10	12.06.2017 14:39	Gravity corer	on deck	43° 20,025' N	015° 13,962' E	221,7	61,0	43,333753	15,232698	285	0.9	
POS514_34-11	12.06.2017 15:01	Gravity corer	in the water	43° 20,033' N	015° 13,962' E	221,8	61,0	43,333880	15,232695	285	1.4	
POS514_34-11	12.06.2017 15:06	Gravity corer	max depth/on ground	43° 20,029' N	015° 13,951' E	221,8	61,0	43,333817	15,232523	274	1.1	sl max = 232m
POS514_34-11	12.06.2017 15:13	Gravity corer	on deck	43° 20,021' N	015° 13,973' E	230,8	86,0	43,333678	15,232892	279	1.1	
POS514_34-12	12.06.2017 15:33	Multi Corer	in the water	43° 20,016' N	015° 13,997' E	239,7	235,0	43,333593	15,233288	243	1.3	
POS514_34-12	12.06.2017 15:41	Multi Corer	max depth/on ground	43° 20,020' N	015° 13,994' E	239,8	235,0	43,333668	15,233225	266	1.4	SL max = 253 m
POS514_34-12	12.06.2017 15:46	Multi Corer	on deck	43° 20,024' N	015° 13,990' E	221,9	235,0	43,333730	15,233173	253	1.1	
POS514_34-13	12.06.2017 15:56	Box Corer	in the water	43° 20,034' N	015° 13,986' E	221,8	235,0	43,333895	15,233093	215	1.4	
POS514_34-13	12.06.2017 16:01	Box Corer	max depth/on ground	43° 20,043' N	015° 13,980' E	234,0	235,0	43,334045	15,233007	233	1.1	sl max = 228m
POS514_34-13	12.06.2017 16:06	Box Corer	on deck	43° 20,055' N	015° 13,979' E	221,7	344,0	43,334242	15,232985	204	1.6	
POS514_34-14	12.06.2017 16:15	Frahm Corer	in the water	43° 20,071' N	015° 13,988' E	221,8	344,0	43,334520	15,233125	194	1.3	
POS514_34-14	12.06.2017 16:19	Frahm Corer	max depth/on ground	43° 20,075' N	015° 13,986' E	221,9	344,0	43,334587	15,233108	195	1.4	sl max = 228m
POS514_34-14	12.06.2017 16:24	Frahm Corer	on deck	43° 20,083' N	015° 13,972' E	221,7	312,0	43,334725	15,232872	188	1.0	
POS514_34-15	12.06.2017 16:27	Frahm Corer	in the water	43° 20,090' N	015° 13,968' E	221,6	312,0	43,334832	15,232793	183	1.2	
POS514_34-15	12.06.2017 16:32	Frahm Corer	max depth/on ground	43° 20,097' N	015° 13,967' E	221,6	312,0	43,334953	15,232782	181	1.3	sl max = 228m

GEOMAR
Helmholtz-Zentrum für Ozeanforschung Kiel
Seite 45

POS514_34-15	12.06.2017 16:36	Frahm Corer	on deck	43° 20,102' N	015° 13,969' E	221,5	312,0	43,335040	15,232818	184	1.3	
POS514_35-1	13.06.2017 04:26	CTD	in the water	44° 23,018' N	014° 02,987' E	54,3	114,0	44,383632	14,049788	111	4.0	
POS514_35-1	13.06.2017 04:29	CTD	max depth/on ground	44° 23,016' N	014° 02,991' E	54,3	114,0	44,383607	14,049853	112	3.9	sl max = 51m
POS514_35-1	13.06.2017 04:31	CTD	on deck	44° 23,018' N	014° 02,992' E	54,4	114,0	44,383640	14,049865	111	4.1	
POS514_35-2	13.06.2017 04:49	MSN	in the water	44° 22,994' N	014° 03,000' E	54,3	127,0	44,383233	14,049998	114	3.7	
POS514_35-2	13.06.2017 04:51	MSN	max depth/on ground	44° 22,990' N	014° 02,999' E	54,3	127,0	44,383162	14,049982	117	3.7	sl max = 40m
POS514_35-2	13.06.2017 04:55	MSN	on deck	44° 22,996' N	014° 03,000' E	54,3	78,0	44,383260	14,049998	114	3.8	
POS514_35-3	13.06.2017 04:59	MSN	in the water	44° 23,008' N	014° 02,999' E	54,3	73,0	44,383473	14,049982	120	3.4	
POS514_35-3	13.06.2017 05:02	MSN	max depth/on ground	44° 23,014' N	014° 03,000' E	54,4	73,0	44,383560	14,050002	116	3.8	sl max = 40m
POS514_35-3	13.06.2017 05:05	MSN	on deck	44° 23,015' N	014° 03,001' E	54,4	73,0	44,383585	14,050013	114	3.5	
POS514_35-4	13.06.2017 05:11	Van Veen Grab	in the water	44° 23,012' N	014° 03,000' E	54,3	73,0	44,383538	14,049997	114	3.8	
POS514_35-4	13.06.2017 05:12	Van Veen Grab	max depth/on ground	44° 23,012' N	014° 02,996' E	54,3	73,0	44,383537	14,049927	113	3.8	sl max = 59m
POS514_35-4	13.06.2017 05:14	Van Veen Grab	on deck	44° 23,010' N	014° 02,995' E	54,3	73,0	44,383507	14,049922	112	3.7	
POS514_35-5	13.06.2017 05:17	Van Veen Grab	in the water	44° 23,011' N	014° 02,993' E	54,3	73,0	44,383523	14,049883	115	3.6	
POS514_35-5	13.06.2017 05:19	Van Veen Grab	max depth/on ground	44° 23,012' N	014° 02,992' E	54,3	73,0	44,383533	14,049873	113	3.8	sl max = 59m
POS514_35-5	13.06.2017 05:21	Van Veen Grab	on deck	44° 23,015' N	014° 02,993' E	54,3	73,0	44,383575	14,049878	112	3.5	
POS514_35-6	13.06.2017 05:23	Van Veen Grab	in the water	44° 23,016' N	014° 02,995' E	54,3	73,0	44,383603	14,049923	110	3.9	
POS514_35-6	13.06.2017 05:24	Van Veen Grab	max depth/on ground	44° 23,016' N	014° 02,996' E	54,3	73,0	44,383598	14,049938	107	4.1	sl max = 59m
POS514_35-6	13.06.2017 05:26	Van Veen Grab	on deck	44° 23,016' N	014° 02,991' E	54,3	73,0	44,383597	14,049857	109	4.0	
POS514_35-7	13.06.2017 05:28	Van Veen Grab	in the water	44° 23,013' N	014° 02,985' E	54,3	73,0	44,383545	14,049752	111	4.0	
POS514_35-7	13.06.2017 05:30	Van Veen Grab	max depth/on ground	44° 23,012' N	014° 02,983' E	54,3	73,0	44,383537	14,049710	109	4.0	sl max = 59m
POS514_35-7	13.06.2017 05:31	Van Veen Grab	on deck	44° 23,011' N	014° 02,983' E	54,3	73,0	44,383520	14,049718	107	3.6	
POS514_35-8	13.06.2017 05:34	Van Veen Grab	in the water	44° 23,014' N	014° 02,988' E	54,3	73,0	44,383567	14,049805	107	4.0	
POS514_35-8	13.06.2017 05:35	Van Veen Grab	max depth/on ground	44° 23,016' N	014° 02,994' E	54,3	73,0	44,383598	14,049908	104	4.0	sl max = 59m
POS514_35-8	13.06.2017 05:37	Van Veen Grab	on deck	44° 23,012' N	014° 02,999' E	54,4	73,0	44,383530	14,049978	106	4.0	
POS514_35-9	13.06.2017 05:40	Van Veen Grab	in the water	44° 23,010' N	014° 03,005' E	54,4	73,0	44,383498	14,050078	106	3.7	
POS514_35-9	13.06.2017 05:42	Van Veen Grab	max depth/on ground	44° 23,012' N	014° 03,006' E	54,4	73,0	44,383527	14,050098	107	4.0	sl max = 59m
POS514_35-9	13.06.2017 05:43	Van Veen Grab	on deck	44° 23,013' N	014° 03,004' E	54,4	73,0	44,383557	14,050062	111	4.1	
POS514_35-10	13.06.2017 05:52	Box Corer	in the water	44° 23,018' N	014° 03,010' E	54,5	73,0	44,383637	14,050170	109	3.7	
POS514_35-10	13.06.2017 05:54	Box Corer	max depth/on ground	44° 23,018' N	014° 03,015' E	54,6	73,0	44,383637	14,050245	109	3.6	sl max = 59m

GEOMAR
Helmholtz-Zentrum für Ozeanforschung Kiel
Seite 46

POS514_35-10	13.06.2017 05:56	Box Corer	on deck	44° 23,020' N	014° 03,014' E	54,6	73,0	44,383662	14,050230	106	3.7	
POS514_35-11	13.06.2017 06:05	Frahm Corer	in the water	44° 23,021' N	014° 02,984' E	54,3	274,0	44,383680	14,049733	107	3.5	
POS514_35-11	13.06.2017 06:08	Frahm Corer	max depth/on ground	44° 23,019' N	014° 02,981' E	54,3	274,0	44,383643	14,049685	116	3.3	59 m max
POS514_35-11	13.06.2017 06:09	Frahm Corer	on deck	44° 23,019' N	014° 02,980' E	54,3	274,0	44,383657	14,049665	112	3.3	
POS514_35-12	13.06.2017 06:10	Frahm Corer	in the water	44° 23,018' N	014° 02,979' E	54,3	274,0	44,383640	14,049648	109	3.3	
POS514_35-12	13.06.2017 06:12	Frahm Corer	max depth/on ground	44° 23,019' N	014° 02,979' E	54,3	274,0	44,383645	14,049647	114	3.4	58 m max
POS514_35-12	13.06.2017 06:14	Frahm Corer	on deck	44° 23,017' N	014° 02,981' E	54,3	274,0	44,383618	14,049680	111	3.2	
POS514_35-13	13.06.2017 06:38	Gravity corer	in the water	44° 23,006' N	014° 02,989' E	54,3	274,0	44,383430	14,049817	110	3.4	
POS514_35-13	13.06.2017 06:41	Gravity corer	max depth/on ground	44° 23,008' N	014° 02,989' E	54,3	274,0	44,383460	14,049817	113	3.2	59 m max
POS514_35-13	13.06.2017 06:45	Gravity corer	on deck	44° 23,010' N	014° 02,991' E	54,3	274,0	44,383493	14,049852	111	2.9	
POS514_35-14	13.06.2017 06:48	Gravity corer	in the water	44° 23,014' N	014° 02,999' E	54,4	274,0	44,383560	14,049987	118	3.2	
POS514_35-14	13.06.2017 06:50	Gravity corer	max depth/on ground	44° 23,017' N	014° 03,000' E	54,4	274,0	44,383617	14,050002	117	3.0	59 m max
POS514_35-14	13.06.2017 06:54	Gravity corer	on deck	44° 23,023' N	014° 03,000' E	54,5	274,0	44,383713	14,050005	113	3.2	
POS514_36-1	13.06.2017 11:07	CTD	in the water	44° 45,054' N	014° 03,969' E	43,1	68,0	44,750895	14,066145	201	3.3	
POS514_36-1	13.06.2017 11:11	CTD	max depth/on ground	44° 45,047' N	014° 03,974' E	43,1	201,0	44,750778	14,066230	202	3.1	41 m
POS514_36-1	13.06.2017 11:13	CTD	on deck	44° 45,044' N	014° 03,971' E	43,1	205,0	44,750728	14,066188	202	3.4	364
POS514_36-2	13.06.2017 11:21	Van Veen Grab	in the water	44° 45,031' N	014° 03,972' E	43,1	125,0	44,750518	14,066195	208	3.9	
POS514_36-2	13.06.2017 11:23	Van Veen Grab	max depth/on ground	44° 45,029' N	014° 03,975' E	43,0	125,0	44,750490	14,066255	209	3.7	46 m
POS514_36-2	13.06.2017 11:24	Van Veen Grab	on deck	44° 45,030' N	014° 03,980' E	43,0	125,0	44,750507	14,066340	211	3.7	
POS514_36-3	13.06.2017 11:28	Van Veen Grab	in the water	44° 45,034' N	014° 03,992' E	43,1	56,0	44,750567	14,066538	209	3.5	
POS514_36-3	13.06.2017 11:30	Van Veen Grab	max depth/on ground	44° 45,028' N	014° 03,995' E	43,0	56,0	44,750473	14,066583	211	3.3	46 m
POS514_36-3	13.06.2017 11:32	Van Veen Grab	on deck	44° 45,021' N	014° 03,995' E	43,0	173,0	44,750347	14,066583	210	3.5	
POS514_36-4	13.06.2017 11:35	Van Veen Grab	in the water	44° 45,013' N	014° 03,997' E	43,0	177,0	44,750220	14,066618	209	3.1	
POS514_36-4	13.06.2017 11:35	Van Veen Grab	max depth/on ground	44° 45,013' N	014° 03,997' E	43,0	177,0	44,750222	14,066620	209	3.1	46 m
POS514_36-4	13.06.2017 11:38	Van Veen Grab	on deck	44° 45,008' N	014° 04,001' E	43,0	177,0	44,750132	14,066677	209	2.9	
POS514_36-5	13.06.2017 11:42	Van Veen Grab	in the water	44° 45,012' N	014° 04,009' E	43,0	36,0	44,750202	14,066813	210	2.6	
POS514_36-5	13.06.2017 11:43	Van Veen Grab	max depth/on ground	44° 45,015' N	014° 04,014' E	42,9	41,0	44,750250	14,066903	204	2.6	46 m
POS514_36-5	13.06.2017 11:44	Van Veen Grab	on deck	44° 45,013' N	014° 04,016' E	42,9	164,0	44,750212	14,066942	205	2.6	
POS514_36-6	13.06.2017 11:48	Van Veen Grab	in the water	44° 45,005' N	014° 04,018' E	43,0	174,0	44,750082	14,066965	205	3.0	
POS514_36-6	13.06.2017 11:50	Van Veen Grab	max depth/on ground	44° 45,005' N	014° 04,020' E	42,9	174,0	44,750083	14,066995	205	2.9	46 m

GEOMAR

Helmholtz-Zentrum für Ozeanforschung Kiel

Seite 47

POS514_36-6	13.06.2017 11:51	Van Veen Grab	on deck	44° 45,008' N	014° 04,023' E	42,9	24,0	44,750137	14,067047	205	2.9	
POS514_36-7	13.06.2017 11:54	Van Veen Grab	in the water	44° 45,017' N	014° 04,032' E	42,9	33,0	44,750282	14,067200	208	2.9	
POS514_36-7	13.06.2017 11:56	Van Veen Grab	max depth/on ground	44° 45,015' N	014° 04,038' E	42,9	33,0	44,750257	14,067293	208	2.9	46 m
POS514_36-7	13.06.2017 11:57	Van Veen Grab	on deck	44° 45,015' N	014° 04,042' E	42,9	147,0	44,750247	14,067360	209	3.0	
POS514_36-8	13.06.2017 12:01	Van Veen Grab	in the water	44° 44,997' N	014° 04,039' E	42,9	202,0	44,749943	14,067308	207	3.1	
POS514_36-8	13.06.2017 12:02	Van Veen Grab	max depth/on ground	44° 44,994' N	014° 04,036' E	42,9	202,0	44,749907	14,067267	207	3.1	46 m
POS514_36-8	13.06.2017 12:05	Van Veen Grab	on deck	44° 44,997' N	014° 04,031' E	42,9	202,0	44,749948	14,067188	206	2.8	
POS514_36-9	13.06.2017 12:07	Van Veen Grab	in the water	44° 44,999' N	014° 04,029' E	42,9	202,0	44,749983	14,067145	206	2.7	
POS514_36-9	13.06.2017 12:08	Van Veen Grab	max depth/on ground	44° 45,002' N	014° 04,028' E	42,9	202,0	44,750033	14,067128	207	2.7	46 m
POS514_36-9	13.06.2017 12:10	Van Veen Grab	in the water	44° 45,006' N	014° 04,027' E	42,9	202,0	44,750095	14,067110	209	2.7	
POS514_36-10	13.06.2017 12:12	Van Veen Grab	in the water	44° 45,010' N	014° 04,029' E	42,9	202,0	44,750162	14,067155	210	2.6	
POS514_36-10	13.06.2017 12:13	Van Veen Grab	max depth/on ground	44° 45,012' N	014° 04,030' E	42,9	202,0	44,750197	14,067167	207	2.6	46 m
POS514_36-10	13.06.2017 12:15	Van Veen Grab	on deck	44° 45,013' N	014° 04,030' E	42,9	202,0	44,750212	14,067168	205	2.5	
POS514_36-11	13.06.2017 12:22	Box Corer	in the water	44° 44,997' N	014° 04,011' E	42,9	210,0	44,749947	14,066850	204	2.5	
POS514_36-11	13.06.2017 12:24	Box Corer	max depth/on ground	44° 44,995' N	014° 04,008' E	42,9	210,0	44,749925	14,066807	205	2.4	46 m
POS514_36-11	13.06.2017 12:26	Box Corer	on deck	44° 44,997' N	014° 04,009' E	42,9	210,0	44,749945	14,066822	205	2.3	
POS514_36-12	13.06.2017 12:34	Frahm Corer	in the water	44° 45,011' N	014° 04,020' E	42,9	210,0	44,750175	14,066993	215	2.1	
POS514_36-12	13.06.2017 12:35	Frahm Corer	max depth/on ground	44° 45,015' N	014° 04,022' E	42,9	210,0	44,750247	14,067028	220	1.9	46 m
POS514_36-12	13.06.2017 12:37	Frahm Corer	on deck	44° 45,017' N	014° 04,023' E	42,9	210,0	44,750290	14,067050	220	1.9	
POS514_37-1	13.06.2017 17:04	CTD	in the water	44° 46,973' N	013° 34,007' E	39,7	263,0	44,782885	13,566783	147	4.0	
POS514_37-1	13.06.2017 17:08	CTD	max depth/on ground	44° 46,971' N	013° 33,983' E	39,6	283,0	44,782858	13,566377	146	4.4	sl max = 38m
POS514_37-1	13.06.2017 17:10	CTD	on deck	44° 46,974' N	013° 33,976' E	39,6	291,0	44,782902	13,566267	145	4.1	
POS514_37-2	13.06.2017 17:19	Van Veen Grab	in the water	44° 46,981' N	013° 33,988' E	39,6	87,0	44,783017	13,566468	147	3.9	
POS514_37-2	13.06.2017 17:20	Van Veen Grab	max depth/on ground	44° 46,981' N	013° 34,001' E	39,6	84,0	44,783013	13,566683	148	3.9	sl max = 43m
POS514_37-2	13.06.2017 17:22	Van Veen Grab	on deck	44° 46,981' N	013° 34,012' E	39,7	81,0	44,783012	13,566872	144	3.7	
POS514_37-3	13.06.2017 17:27	Van Veen Grab	in the water	44° 46,987' N	013° 34,042' E	39,7	55,0	44,783123	13,567373	144	4.0	
POS514_37-3	13.06.2017 17:28	Van Veen Grab	max depth/on ground	44° 46,992' N	013° 34,046' E	39,7	55,0	44,783200	13,567435	141	3.9	sl max = 43m
POS514_37-3	13.06.2017 17:30	Van Veen Grab	on deck	44° 46,993' N	013° 34,049' E	39,6	55,0	44,783218	13,567492	141	3.8	
POS514_37-4	13.06.2017 17:33	Van Veen Grab	in the water	44° 46,993' N	013° 34,041' E	39,6	266,0	44,783223	13,567357	148	3.9	
POS514_37-4	13.06.2017 17:34	Van Veen Grab	max depth/on ground	44° 46,995' N	013° 34,035' E	39,7	268,0	44,783255	13,567253	147	3.6	sl max = 43m

GEOMAR
Helmholtz-Zentrum für Ozeanforschung Kiel
Seite 48

POS514_37-4	13.06.2017 17:36	Van Veen Grab	on deck	44° 46,996' N	013° 34,024' E	39,6	278,0	44,783265	13,567067	147	3.3	
POS514_37-5	13.06.2017 17:40	Van Veen Grab	in the water	44° 46,998' N	013° 34,009' E	39,6	278,0	44,783298	13,566812	147	3.7	
POS514_37-5	13.06.2017 17:42	Van Veen Grab	max depth/on ground	44° 47,002' N	013° 34,004' E	39,6	278,0	44,783358	13,566733	144	3.7	sl max = 43m
POS514_37-5	13.06.2017 17:45	Van Veen Grab	on deck	44° 47,006' N	013° 33,995' E	39,7	278,0	44,783437	13,566575	141	3.5	
POS514_37-6	13.06.2017 17:49	Van Veen Grab	in the water	44° 47,012' N	013° 33,985' E	39,6	278,0	44,783528	13,566413	141	3.3	
POS514_37-6	13.06.2017 17:51	Van Veen Grab	max depth/on ground	44° 47,013' N	013° 33,986' E	39,6	278,0	44,783545	13,566428	145	3.4	sl max = 43m
POS514_37-6	13.06.2017 17:52	Van Veen Grab	on deck	44° 47,014' N	013° 33,983' E	39,6	278,0	44,783562	13,566380	145	3.4	
POS514_37-7	13.06.2017 17:55	Van Veen Grab	in the water	44° 47,014' N	013° 33,982' E	39,6	278,0	44,783568	13,566367	151	3.3	
POS514_37-7	13.06.2017 17:56	Van Veen Grab	max depth/on ground	44° 47,012' N	013° 33,983' E	39,7	278,0	44,783542	13,566378	152	3.2	sl max = 43m
POS514_37-7	13.06.2017 17:57	Van Veen Grab	on deck	44° 47,012' N	013° 33,984' E	39,7	278,0	44,783527	13,566400	155	3.1	
POS514_37-8	13.06.2017 18:04	Box Corer	in the water	44° 46,997' N	013° 33,995' E	39,7	152,0	44,783278	13,566592	155	3.3	
POS514_37-8	13.06.2017 18:05	Box Corer	max depth/on ground	44° 46,995' N	013° 33,997' E	39,7	152,0	44,783245	13,566613	153	2.9	43 m max
POS514_37-8	13.06.2017 18:06	Box Corer	on deck	44° 46,993' N	013° 33,999' E	39,7	152,0	44,783215	13,566653	153	2.9	
POS514_37-9	13.06.2017 18:13	Frahm Corer	in the water	44° 46,980' N	013° 34,000' E	39,7	152,0	44,783005	13,566673	158	2.8	
POS514_37-9	13.06.2017 18:14	Frahm Corer	max depth/on ground	44° 46,979' N	013° 34,000' E	39,6	152,0	44,782985	13,566663	157	2.6	
POS514_37-9	13.06.2017 18:15	Frahm Corer	on deck	44° 46,976' N	013° 33,998' E	39,7	152,0	44,782940	13,566635	157	2.7	
POS514_38-1	13.06.2017 22:14	CTD	in the water	45° 03,004' N	013° 21,962' E	33,8	213,0	45,050072	13,366038	110	3.0	
POS514_38-1	13.06.2017 22:17	CTD	max depth/on ground	45° 02,998' N	013° 21,955' E	33,8	216,0	45,049962	13,365913	106	2.8	31 m
POS514_38-1	13.06.2017 22:18	CTD	on deck	45° 02,996' N	013° 21,951' E	33,8	216,0	45,049930	13,365858	111	2.9	
POS514_38-2	13.06.2017 22:25	Van Veen Grab	in the water	45° 02,984' N	013° 21,940' E	33,9	189,0	45,049732	13,365670	103	2.9	
POS514_38-2	13.06.2017 22:27	Van Veen Grab	max depth/on ground	45° 02,983' N	013° 21,938' E	33,8	189,0	45,049722	13,365628	104	2.9	37 m
POS514_38-2	13.06.2017 22:28	Van Veen Grab	on deck	45° 02,980' N	013° 21,935' E	33,8	189,0	45,049675	13,365578	101	2.8	
POS514_38-3	13.06.2017 22:31	Van Veen Grab	in the water	45° 02,968' N	013° 21,936' E	33,8	162,0	45,049470	13,365607	103	3.0	
POS514_38-3	13.06.2017 22:33	Van Veen Grab	max depth/on ground	45° 02,968' N	013° 21,935' E	33,8	162,0	45,049470	13,365575	101	3.1	37 m
POS514_38-3	13.06.2017 22:34	Van Veen Grab	on deck	45° 02,968' N	013° 21,934' E	33,8	162,0	45,049463	13,365558	100	3.2	
POS514_38-4	13.06.2017 22:38	Van Veen Grab	in the water	45° 02,950' N	013° 21,940' E	33,7	119,0	45,049173	13,365673	118	3.1	
POS514_38-4	13.06.2017 22:40	Van Veen Grab	max depth/on ground	45° 02,951' N	013° 21,945' E	33,7	119,0	45,049178	13,365742	115	3.0	37 m
POS514_38-4	13.06.2017 22:41	Van Veen Grab	on deck	45° 02,951' N	013° 21,945' E	33,7	119,0	45,049182	13,365757	120	3.1	
POS514_38-5	13.06.2017 22:44	Van Veen Grab	in the water	45° 02,950' N	013° 21,951' E	33,8	113,0	45,049173	13,365852	117	3.2	
POS514_38-5	13.06.2017 22:45	Van Veen Grab	max depth/on ground	45° 02,948' N	013° 21,954' E	33,7	114,0	45,049132	13,365907	121	3.1	37 m

GEOMAR
Helmholtz-Zentrum für Ozeanforschung Kiel
Seite 49

POS514_38-5	13.06.2017 22:46	Van Veen Grab	on deck	45° 02,950' N	013° 21,959' E	33,7	114,0	45,049172	13,365978	119	3.1	
POS514_38-6	13.06.2017 22:48	Van Veen Grab	in the water	45° 02,952' N	013° 21,963' E	33,6	114,0	45,049205	13,366045	117	3.1	
POS514_38-6	13.06.2017 22:49	Van Veen Grab	max depth/on ground	45° 02,955' N	013° 21,965' E	33,6	114,0	45,049253	13,366082	113	3.4	37 m
POS514_38-6	13.06.2017 22:50	Van Veen Grab	on deck	45° 02,958' N	013° 21,961' E	33,7	114,0	45,049297	13,366025	112	3.4	
POS514_38-7	13.06.2017 22:53	Van Veen Grab	in the water	45° 02,963' N	013° 21,963' E	33,7	114,0	45,049390	13,366043	105	3.4	
POS514_38-7	13.06.2017 22:54	Van Veen Grab	max depth/on ground	45° 02,965' N	013° 21,961' E	33,7	114,0	45,049417	13,366018	111	3.3	37 m
POS514_38-7	13.06.2017 22:55	Van Veen Grab	on deck	45° 02,965' N	013° 21,959' E	33,7	114,0	45,049422	13,365982	107	3.3	
POS514_38-8	13.06.2017 23:00	Box Corer	in the water	45° 02,975' N	013° 21,964' E	33,8	38,0	45,049575	13,366070	102	3.2	
POS514_38-8	13.06.2017 23:01	Box Corer	max depth/on ground	45° 02,977' N	013° 21,966' E	33,8	38,0	45,049617	13,366100	105	3.0	37 m
POS514_38-8	13.06.2017 23:02	Box Corer	on deck	45° 02,979' N	013° 21,967' E	33,7	31,0	45,049650	13,366118	106	3.2	
POS514_38-9	13.06.2017 23:09	Frahm Corer	in the water	45° 02,985' N	013° 21,983' E	33,7	73,0	45,049750	13,366392	91	3.2	
POS514_38-9	13.06.2017 23:10	Frahm Corer	max depth/on ground	45° 02,985' N	013° 21,981' E	33,7	73,0	45,049758	13,366352	78	3.4	36 m
POS514_38-9	13.06.2017 23:13	Frahm Corer	max depth/on ground	45° 02,986' N	013° 21,976' E	33,8	281,0	45,049763	13,366263	86	3.4	37 m
POS514_38-9	13.06.2017 23:14	Frahm Corer	on deck	45° 02,979' N	013° 21,970' E	33,6	147,0	45,049653	13,366175	88	3.5	
POS514_38-10	13.06.2017 23:15	Frahm Corer	in the water	45° 02,975' N	013° 21,980' E	33,7	132,0	45,049580	13,366340	86	3.5	
POS514_38-10	13.06.2017 23:16	Frahm Corer	max depth/on ground	45° 02,971' N	013° 21,987' E	33,5	130,0	45,049517	13,366447	87	3.5	38 m
POS514_38-10	13.06.2017 23:17	Frahm Corer	on deck	45° 02,967' N	013° 21,994' E	33,6	138,0	45,049447	13,366565	85	3.5	
POS514_39-1	14.06.2017 04:03	CTD	in the water	45° 30,009' N	013° 24,016' E	18,2	25,0	45,500157	13,400265	43	3.0	
POS514_39-1	14.06.2017 04:06	CTD	max depth/on ground	45° 30,010' N	013° 24,011' E	18,1	25,0	45,500160	13,400188	40	2.8	sl max = 18m
POS514_39-1	14.06.2017 04:06	CTD	on deck	45° 30,008' N	013° 24,009' E	18,1	232,0	45,500127	13,400157	38	2.9	
POS514_39-2	14.06.2017 04:16	Van Veen Grab	in the water	45° 29,987' N	013° 23,993' E	18,3	215,0	45,499778	13,399880	41	2.6	
POS514_39-2	14.06.2017 04:17	Van Veen Grab	max depth/on ground	45° 29,988' N	013° 23,996' E	18,2	215,0	45,499807	13,399940	41	2.6	sl max = 21m
POS514_39-2	14.06.2017 04:18	Van Veen Grab	on deck	45° 29,991' N	013° 24,000' E	18,2	215,0	45,499847	13,399997	41	2.6	
POS514_39-3	14.06.2017 04:21	Van Veen Grab	in the water	45° 29,992' N	013° 24,006' E	18,2	215,0	45,499865	13,400092	49	2.2	
POS514_39-3	14.06.2017 04:22	Van Veen Grab	max depth/on ground	45° 29,993' N	013° 24,007' E	18,1	215,0	45,499888	13,400115	50	2.1	sl max = 21m
POS514_39-3	14.06.2017 04:23	Van Veen Grab	on deck	45° 29,993' N	013° 24,007' E	18,1	215,0	45,499875	13,400125	49	2.4	
POS514_39-4	14.06.2017 04:26	Van Veen Grab	in the water	45° 29,992' N	013° 24,007' E	18,1	215,0	45,499863	13,400125	47	2.3	
POS514_39-4	14.06.2017 04:27	Van Veen Grab	max depth/on ground	45° 29,993' N	013° 24,006' E	18,1	215,0	45,499878	13,400105	44	2.2	sl max = 21m
POS514_39-4	14.06.2017 04:28	Van Veen Grab	on deck	45° 29,989' N	013° 24,006' E	18,1	215,0	45,499825	13,400105	46	2.2	
POS514_39-5	14.06.2017 04:30	Van Veen Grab	in the water	45° 29,990' N	013° 24,008' E	18,1	215,0	45,499835	13,400137	48	2.1	

GEOMAR
Helmholtz-Zentrum für Ozeanforschung Kiel
Seite 50

POS514_39-5	14.06.2017 04:31	Van Veen Grab	max depth/on ground	45° 29,990' N	013° 24,005' E	18,2	215,0	45,499832	13,400088	46	2.2	sl max = 21m
POS514_39-5	14.06.2017 04:32	Van Veen Grab	on deck	45° 29,987' N	013° 24,006' E	18,2	215,0	45,499785	13,400103	46	2.1	
POS514_39-6	14.06.2017 04:34	Van Veen Grab	in the water	45° 29,992' N	013° 24,002' E	18,1	215,0	45,499862	13,400030	53	2.3	
POS514_39-6	14.06.2017 04:35	Van Veen Grab	max depth/on ground	45° 29,992' N	013° 24,001' E	18,1	215,0	45,499870	13,400023	52	2.4	sl may = 21m
POS514_39-6	14.06.2017 04:36	Van Veen Grab	on deck	45° 29,991' N	013° 23,998' E	18,1	215,0	45,499857	13,399963	59	2.3	
POS514_39-7	14.06.2017 04:39	Van Veen Grab	in the water	45° 29,994' N	013° 23,995' E	18,2	215,0	45,499900	13,399913	62	2.6	
POS514_39-7	14.06.2017 04:40	Van Veen Grab	max depth/on ground	45° 29,993' N	013° 23,994' E	18,2	215,0	45,499883	13,399898	61	2.6	sl max = 21m
POS514_39-7	14.06.2017 04:41	Van Veen Grab	on deck	45° 29,992' N	013° 23,993' E	18,2	215,0	45,499872	13,399875	60	2.6	
POS514_39-8	14.06.2017 04:48	Box Corer	in the water	45° 29,993' N	013° 24,006' E	18,1	46,0	45,499882	13,400107	49	2.7	
POS514_39-8	14.06.2017 04:49	Box Corer	max depth/on ground	45° 29,996' N	013° 24,009' E	18,1	46,0	45,499930	13,400157	49	2.8	sl max = 21m
POS514_39-8	14.06.2017 04:51	Box Corer	on deck	45° 29,998' N	013° 24,010' E	18,1	46,0	45,499970	13,400168	47	2.9	
POS514_39-9	14.06.2017 04:58	Frahm Corer	in the water	45° 29,996' N	013° 23,997' E	18,1	233,0	45,499933	13,399943	47	3.4	
POS514_39-9	14.06.2017 04:59	Frahm Corer	max depth/on ground	45° 29,993' N	013° 23,993' E	18,1	224,0	45,499888	13,399880	45	3.7	sl max = 21m
POS514_39-9	14.06.2017 05:01	Frahm Corer	on deck	45° 29,992' N	013° 23,990' E	18,2	224,0	45,499867	13,399837	47	3.5	
POS514_39-10	14.06.2017 05:02	Frahm Corer	in the water	45° 29,992' N	013° 23,992' E	18,2	224,0	45,499863	13,399863	49	3.8	
POS514_39-10	14.06.2017 05:03	Frahm Corer	max depth/on ground	45° 29,990' N	013° 23,993' E	18,2	224,0	45,499842	13,399892	49	4.0	sl max = 21m
POS514_39-10	14.06.2017 05:05	Frahm Corer	on deck	45° 29,992' N	013° 23,997' E	18,2	224,0	45,499872	13,399950	49	3.6	
POS514_40-1	15.06.2017 06:08	CTD	in the water	43° 29,983' N	015° 27,019' E	200,4	176,0	43,499708	15,450323	30	3.4	
POS514_40-1	15.06.2017 06:14	CTD	max depth/on ground	43° 29,986' N	015° 27,024' E	200,5	176,0	43,499758	15,450407	38	3.9	195m max
POS514_40-1	15.06.2017 06:18	CTD	on deck	43° 29,986' N	015° 27,018' E	200,5	176,0	43,499763	15,450305	43	4.0	
POS514_40-2	15.06.2017 06:26	Van Veen Grab	in the water	43° 29,989' N	015° 27,020' E	200,5	176,0	43,499817	15,450327	26	3.8	
POS514_40-2	15.06.2017 06:30	Van Veen Grab	max depth/on ground	43° 29,991' N	015° 27,020' E	200,5	176,0	43,499853	15,450340	35	3.1	208m max
POS514_40-2	15.06.2017 06:33	Van Veen Grab	on deck	43° 29,994' N	015° 27,019' E	200,7	176,0	43,499895	15,450313	43	3.6	
POS514_40-3	15.06.2017 06:37	Van Veen Grab	in the water	43° 29,993' N	015° 27,014' E	200,5	176,0	43,499878	15,450227	35	3.5	
POS514_40-3	15.06.2017 06:40	Van Veen Grab	max depth/on ground	43° 29,989' N	015° 27,009' E	200,6	176,0	43,499825	15,450157	42	3.2	207m max
POS514_40-3	15.06.2017 06:43	Van Veen Grab	on deck	43° 29,991' N	015° 27,012' E	200,6	176,0	43,499850	15,450203	38	3.5	
POS514_40-4	15.06.2017 06:45	Van Veen Grab	in the water	43° 29,992' N	015° 27,011' E	200,5	176,0	43,499875	15,450185	31	3.0	
POS514_40-4	15.06.2017 06:49	Van Veen Grab	max depth/on ground	43° 29,993' N	015° 27,012' E	200,5	176,0	43,499888	15,450193	32	3.2	207m max
POS514_40-4	15.06.2017 06:52	Van Veen Grab	on deck	43° 29,990' N	015° 27,012' E	216,9	176,0	43,499838	15,450193	20	3.8	
POS514_40-5	15.06.2017 06:54	Van Veen Grab	in the water	43° 29,986' N	015° 27,016' E	200,5	176,0	43,499768	15,450263	20	3.7	

GEOMAR

Helmholtz-Zentrum für Ozeanforschung Kiel

Seite 51

POS514_40-5	15.06.2017 06:58	Van Veen Grab	max depth/on ground	43° 29,982' N	015° 27,022' E	200,4	176,0	43,499693	15,450370	4	3.9	207m max
POS514_40-5	15.06.2017 07:01	Van Veen Grab	on deck	43° 29,979' N	015° 27,025' E	200,5	176,0	43,499658	15,450420	0	3.7	
POS514_40-6	15.06.2017 07:03	Van Veen Grab	in the water	43° 29,979' N	015° 27,026' E	214,5	176,0	43,499645	15,450427	2	3.3	
POS514_40-6	15.06.2017 07:06	Van Veen Grab	max depth/on ground	43° 29,982' N	015° 27,021' E	200,5	176,0	43,499700	15,450357	3	3.3	207m max
POS514_40-6	15.06.2017 07:09	Van Veen Grab	on deck	43° 29,988' N	015° 27,009' E	201,1	305,0	43,499797	15,450153	8	3.3	
POS514_40-7	15.06.2017 07:11	Van Veen Grab	in the water	43° 29,992' N	015° 27,002' E	201,0	310,0	43,499873	15,450040	14	2.7	
POS514_40-7	15.06.2017 07:14	Van Veen Grab	max depth/on ground	43° 30,001' N	015° 26,990' E	200,5	326,0	43,500023	15,449837	6	2.6	207m max
POS514_40-7	15.06.2017 07:18	Van Veen Grab	on deck	43° 30,008' N	015° 26,988' E	200,5	326,0	43,500137	15,449808	350	2.3	
POS514_40-8	15.06.2017 07:24	Frahm Corer	in the water	43° 30,016' N	015° 26,982' E	212,4	326,0	43,500262	15,449702	340	1.7	
POS514_40-8	15.06.2017 07:29	Frahm Corer	max depth/on ground	43° 30,017' N	015° 26,970' E	200,5	326,0	43,500292	15,449500	345	1.4	206m max
POS514_40-8	15.06.2017 07:32	Frahm Corer	on deck	43° 30,016' N	015° 26,960' E	200,5	326,0	43,500272	15,449327	323	1.7	
POS514_40-9	15.06.2017 07:35	Frahm Corer	in the water	43° 30,015' N	015° 26,955' E	200,5	326,0	43,500250	15,449247	328	2.2	
POS514_40-9	15.06.2017 07:39	Frahm Corer	max depth/on ground	43° 30,010' N	015° 26,954' E	200,7	326,0	43,500163	15,449227	321	3.0	206m max
POS514_40-9	15.06.2017 07:42	Frahm Corer	on deck	43° 30,003' N	015° 26,956' E	213,0	326,0	43,500048	15,449272	330	2.9	
POS514_40-10	15.06.2017 07:46	Frahm Corer	in the water	43° 29,992' N	015° 26,960' E	212,4	146,0	43,499862	15,449333	336	3.4	
POS514_40-10	15.06.2017 07:50	Frahm Corer	max depth/on ground	43° 29,983' N	015° 26,974' E	200,5	120,0	43,499717	15,449567	328	4.4	207m max
POS514_40-10	15.06.2017 07:53	Frahm Corer	on deck	43° 29,980' N	015° 26,987' E	200,4	120,0	43,499660	15,449777	341	4.1	
POS514_40-11	15.06.2017 08:04	Gravity corer	in the water	43° 29,978' N	015° 27,008' E	211,0	320,0	43,499627	15,450138	358	5.1	
POS514_40-11	15.06.2017 08:08	Gravity corer	max depth/on ground	43° 29,989' N	015° 26,989' E	212,5	297,0	43,499820	15,449817	349	4.7	215m max
POS514_40-11	15.06.2017 08:14	Gravity corer	on deck	43° 29,981' N	015° 26,989' E	200,6	178,0	43,499678	15,449812	3	5.1	