

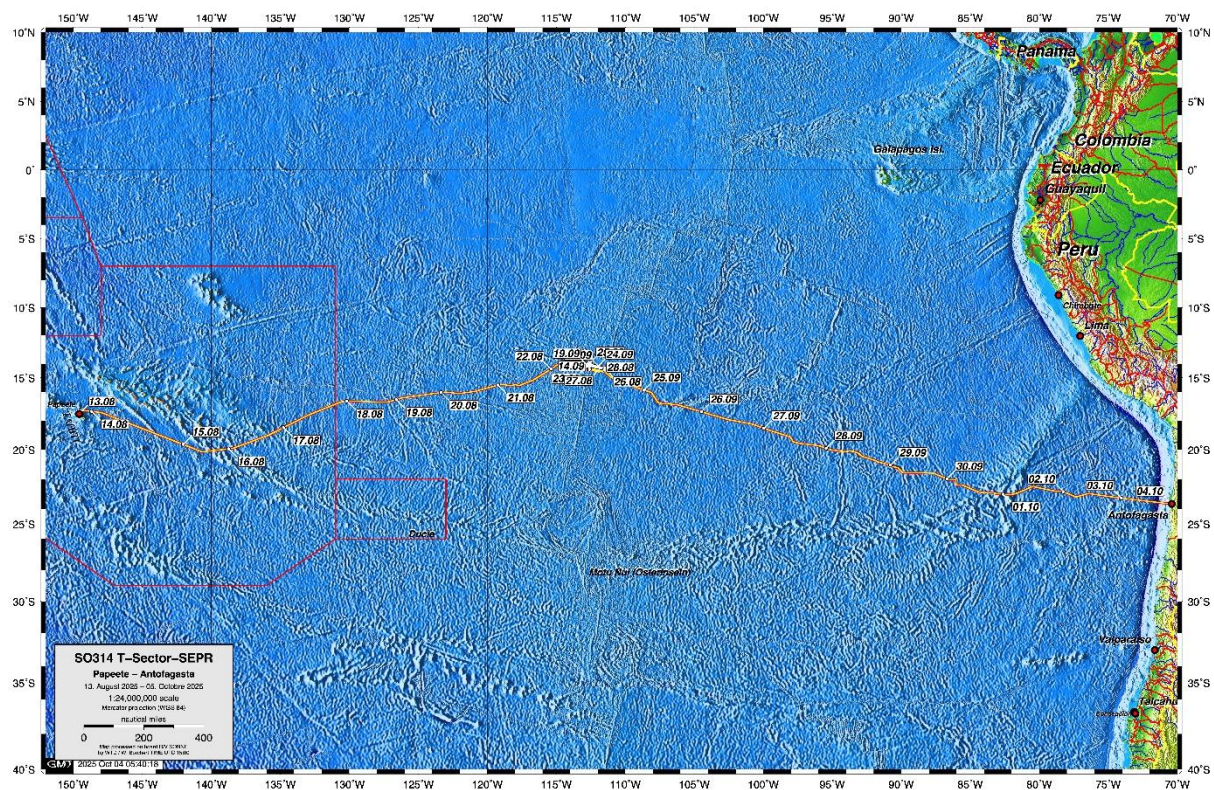
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**Short Cruise Report  
SONNE 314**

**Papeete - Antofagasta  
13.8.2025 – 5.10.2025**

**Chief Scientist: Prof. Dr. Martin Frank  
Captain: Tilo Birnbaum**



Track chart of R/V SONNE Cruise SO314. Bathymetry from Smith and Sandwell (1997). The main working area is located near 15°S and between 111°W and 114°W on the East Pacific Rise.

## Objectives

Expedition SO314 forms part of the large-scale European ERC Synergy Project T-SECTOR (Testing Solid Earth - Climate Connections), which investigates the links between climatic processes on land, in the ocean, and the Earth's interior. Alongside the GEOMAR teams led by professors Martin Frank, Heidrun Kopp and Kaj Hoernle, the project involves Professor Charles Langmuir from Harvard University (USA). Scientists from MARUM (the Centre for Marine Environmental Sciences at the University of Bremen) and the University of Hamburg are also participated in the expedition.

Over the Pleistocene and Quaternary glacial/interglacial cycles vast ice sheets have grown and melted on the continental landmasses of the high northern and southern latitudes, which resulted in global sea level rise and fall of up to 130 m. This changed the pressure on the ocean floor exerted by the water column. But if and how these changes in sea level influenced geological processes beneath the seafloor in the Earth's interior is an unresolved question. Are there feedbacks between the global climate and the ice volume on land and the formation and composition of new oceanic crust? Modelling studies have suggested that volcanic activity along mid-ocean ridges has responded to these pressure variations through changes in the thickness of newly formed oceanic crust, in the composition of the magma, and in the intensity and geochemical signature of hydrothermal activity. However, a lack of long-term time series data from the seafloor has so far made it difficult to test this hypothesis directly.

There are detailed reconstructions of past sea-level changes but there are no corresponding high-resolution records of how geological processes on the ocean floor have evolved over time. The generation of such records was the goal of cruise SO314. Along a section perpendicular to the fast spreading Mid Ocean Ridge of the Southeast Pacific Rise (SEPR) 77 new gravity cores of up to 11 m length that reach the basaltic basement will deliver such records. The sections of these sediment cores directly above the basement host basaltic glasses formed during contact of the hot magma with the cold bottom waters which thus carry the signature of the newly formed oceanic crust. The sediments also record changes in the intensity and geochemical composition of hydrothermal activity in the authigenic seawater derived phases (Fe-Mn oxyhydroxides). The sediments can be independently dated through oxygen isotope stratigraphy combined with high resolution core logging of the magnetic susceptibility and lightness. The combination of these dated sections will allow to establish a unique and continuous composite time series of changes in magmatic and hydrothermal activity at the SEPR that can be directly compared to changes in sea level of the past up to 1,2 Myr.

The models also predict that crustal thickness varied on glacial/interglacial time scales as a function of the variations in hydrostatic pressure. Refraction seismic measurements of unprecedentedly high resolution (a total of 47 ocean bottom seismometers (OBS) were deployed three times along a composite transect on the eastern side of the SEPR during the expedition) will enable the reconstruction of changes in the thickness of the ocean crust down the crust-mantle boundary (Moho). It is expected that thinner oceanic crust is formed during interglacial periods when hydrostatic pressure was high and conversely that thicker crust formed during glacial periods. This will serve as a key indicator of how Earth's interior processes have responded to climate-driven pressure shifts at its oceanic crustal surface.

## Narrative

After arrival of all containers and participants and having cleared customs R/V SONNE left the port of Papeete in the morning of the 13<sup>th</sup> August and headed directly to the working area near 14°S and 112°W at the SEPR, which took a total of nine days. The cruise was led by Martin Frank and Heidrun Kopp from GEOMAR Helmholtz Centre for Ocean Research. In total 35 researchers from GEOMAR, Harvard University, the MARUM (Centre for Marine Environmental Sciences at the University of Bremen) and the Universities of Hamburg, Heidelberg and Frankfurt participated in the expedition. Before arrival in the working area, releaser tests of the OBS were carried out and a first of 5 floats of the ARGO program was deployed. On arrival in the working area from the west on the 22<sup>nd</sup> August a PARASOUND and a magnetometer profile of 75 nm was taken perpendicular to the SEPR ridge axis for 14 hours in order to map the sediment cover in order to find suitable locations for coring and to detect geomagnetic reversals of the oceanic crust that provide information on its age, respectively.

In the following two days a first set of 47 OBS was deployed along the same profile and thereafter a Multi Channel Seismics (MCS) profile was taken between the morning of the 25<sup>th</sup> and the morning of the 26<sup>th</sup> August. On the 29<sup>th</sup> a first profile of refraction seismic measurements was started but had to be interrupted for repairs due to technical problems with the airguns. This time was utilized to carry out a part of the gravity coring program on the western flank of the SEPR based on the previously gained PARASOUND-based sediment cover data and also to start the wax coring activities along the ridge axis of the SEPR, which allows the collection of fresh glasses in areas not covered by sediments. Between the 1<sup>st</sup> and 2<sup>nd</sup> September the previously interrupted refraction seismic profile was carried out successfully and the data are of very high quality. The OBS were released at the seafloor and collected again until the 3<sup>rd</sup> September.

On the 4<sup>th</sup> September the high-resolution gravity and wax coring was successfully continued on the eastern flank of the SEPR, which delivered cores of up to 11 m length despite the prevailing sandy sediments that resulted in all but 1 unsuccessful attempt to recover surface sediments with the multi corer. Many of the cores closer to the ridge hit the basement, which was documented by a number of bananas (bent cores) that, however, are still most valuable for the goals of our cruise given that the undisturbed sections below the bends contain the direct transition between the basement and the sediments containing the basaltic glasses and strongest hydrothermal signals.

From the 6<sup>th</sup> to the 9<sup>th</sup> 46 OBS were deployed for the second time and a refraction seismic profile was measured to extend the first seismic profile. During the return transit to the starting point of the profile after the deployment of the OBS and after the refraction seismic profile, magnetometer measurements were taken with an offset from the initial profile to enlarge the spatial coverage of the measurements.

Given that one of the OBS did unfortunately not return to the surface after release at the seafloor, the OFOS camera sledge was lowered to the location of the OBS precisely determined by triangulation in about 3,000 m depth on Wednesday 10<sup>th</sup>. The OBS was quickly found but gently hitting it with the sledge did unfortunately not release it. Several attempts to bring the OBS up with 4 grapnels on ropes attached to the OFOS looked promising but in the end the grapnels slipped out of the frame of the OBS again and it sunk back to the seafloor. It was decided to try recovery again at a later point in time during the cruise. On the afternoon of the 10<sup>th</sup> gravity coring started again on the eastern slope of the SEPR to continue the sampling of the locations along the transect east of the ridge until 13<sup>th</sup> September. Several multicorers (MUCs) were deployed along the track but unfortunately the sediments consisting of foraminiferal sands did not allow penetration of the MUC tubes which returned to the surface without samples.

On the 13<sup>th</sup> and 14<sup>th</sup> all OBS were deployed for the third and last time. In order to

recover basaltic glass particles from the areas of the SEPR not covered by sediments the wax corer was successfully deployed several times between midnight and afternoon of the 15<sup>th</sup> and subsequently the refraction seismic profile was started on the 15<sup>th</sup> and completed on the 16<sup>th</sup> followed by immediate collection of the first OBS on the 16<sup>th</sup>. The collection of the OBS in westerly direction was interrupted in the morning of the 17<sup>th</sup> to obtain two further long gravity cores extending the gravity core profile to the east. In the morning of the 18<sup>th</sup> a second attempt to recover the OBS with the OFOS and grapnels attached to it did not work because the OBS had sunk too deeply into the sediments so that the grapnels could not get underneath the OBS. An alternative way that was pursued during the same OFOS dive using a Y-shaped frame to catch the rope of the float of the OBS was finally successful and the OBS could be brought back safely to the surface and onto the vessel. This endeavor was enabled by the collective engagement of the entire crew, in particular the metal workshop on board, the boatswain together with the OBS experts of GEOMAR, and the unique navigating skills of the officers of SONNE

Subsequently the sediment sampling with the gravity corer and the multicorer was continued on the western flank of the SEPR from the morning of the 19<sup>th</sup> to the night of the 20<sup>th</sup> to increase the density of the sediment core locations and finalize the section on the western flank, which will in the end enable the establishment of a composite time series of the sediments directly above the basement of the past approximately 1 million years on both flanks of the SEPR.

For comparison to the records of past volcanic activity a short survey with the camera sledge OFOS was performed a few meters above the central part of the spreading centre of the SEPR to look for visual evidence of present day volcanic and hydrothermal activity at the ridge in the morning of the 21<sup>st</sup>. This deployment was successful and we observed colorful metal and sulfur bearing accumulations on the pillow basalts and flares of particles near the central ridge axis. When the OFOS once got in touch with the rocks, some basaltic blocks with fresh glass crusts broke off, landed on top of the OFOS and could be recovered together with the OFOS.

After the end of the OFOS dive, two dredges were run on the ridge axis and four on bathymetric highs west of the ridge in order to collect samples of rocks and seamounts that were not only controlled by seafloor spreading at the ridge but by additional magmatic processes. Thereafter another bathymetric survey was run until the evening of the 23<sup>rd</sup> to complete the high-resolution bathymetric map of the SEPR study area. At the same time the magnetometer was towed one more time to measure the changes in the inclination of the magnetic field recorded in the basaltic crust

To finalize the station work, additional 6 gravity cores were taken on the eastern flank of the SEPR to fill gaps in the continuous coverage of sediment cores reaching the basaltic basement and containing basaltic glasses of the past 900,000 years between the evening of the 23<sup>rd</sup> and midday of the 24<sup>th</sup>.

All along the different sections perpendicular to the ridge axis detailed bathymetric data were collected along several transects during sediment sampling and geophysical data collection that will result in a bathymetric map of unprecedented detail along the SEPR and that will serve as a basis for future investigations.

After the end of the station work on the 24<sup>th</sup> the SONNE directly started to make her way to Antofagasta. Along the track small deviations from a direct course were included in the track to enable a high-quality bathymetric mapping of submarine volcanoes (seamounts) that had not been investigated in detail so far in the frame of the SEAMAP project. In addition, four further ARGO floats were deployed at previously defined locations. In the morning of the 4<sup>th</sup> of October SONNE arrived in the port of Antofagasta (Chile).

## **Acknowledgements**

We thank Captain Tilo Birnbaum and the entire crew for excellent and efficient support of all science operations during the entire expedition. We thank the German Research Fleet Coordination Centre (Leitstelle) for advice and organizational support. This project has received funding from the European Union's Horizon Europe ERC Synergy Grant programme under grant agreement No 101071713 – T-SECTOR. Views and opinions expressed are however those of the authors only and do not necessarily reflect those of the European Union or European Research Council Executive Agency. Neither the European Union nor the granting authority can be held responsible for them.

## Teilnehmerliste

|                          |                                         |                          |
|--------------------------|-----------------------------------------|--------------------------|
| Frank, Martin, Prof. Dr. | Paleo-Oceanography /<br>Chief Scientist | GEOMAR/CAU               |
| Kopp, Heidrun, Prof. Dr. | Geophysics / Co-Chief Scientist         | GEOMAR/CAU               |
| Arndt, Iris              | Core Scanning                           | Uni Frankfurt            |
| Bartels, Thies           | Seismology                              | GEOMAR                   |
| Bauer, Bendikt           | Seismology                              | GEOMAR                   |
| Berkholz, Martha         | Seismology                              | GEOMAR                   |
| Berndt, Janiene          | Seismology                              | GEOMAR                   |
| Chen, Zhongxing, Dr.     | Basaltic glass geochemistry             | Harvard                  |
| Crosby, Ani Jong         | Basaltic glass geochemistry             | Harvard                  |
| Dale Andrew, Dr.         | Pore water geochemistry                 | GEOMAR                   |
| Dannowski, Anke, Dr.     | Seismology                              | GEOMAR                   |
| Evers, Florian           | Paleo-Oceanography/Coring               | GEOMAR                   |
| Fessler, Sebastian       | Paleo-Oceanography/Coring               | GEOMAR                   |
| Filbrandt, Christian     | Seismology                              | GEOMAR                   |
| Frederichs, Thomas, Dr.  | Core Scanning                           | MARUM                    |
| Friedrich, Annalena      | Gravimetry                              | Uni Hamburg <sup>1</sup> |
| Glock, Nicolaas, Dr.     | Paleo-Oceanography/Coring               | Uni Hamburg <sup>2</sup> |
| Haas, Peter, Dr.         | Seismology                              | GEOMAR                   |
| Hilgenfeldt, Christian   | Core Scanning                           | MARUM                    |
| Hoffmann, Jannes         | Petrology                               | GEOMAR                   |
| Kahler, Merit            | Seismology                              | GEOMAR                   |
| Lange, Dietrich, Dr.     | Seismology                              | GEOMAR                   |
| Lippert, Antina          | Petrology                               | GEOMAR                   |
| Murray, Kenneth          | Basaltic glass geochemistry             | Harvard                  |
| Raddatz, Jacek, Dr., PD  | Paleo-Oceanography/Coring               | GEOMAR                   |
| Rohde, Lea               | Seismology                              | GEOMAR                   |
| Sange, Oliver            | Seismology                              | Uni Heidelbg.            |
| Schätzel, Julia          | Seismology                              | GEOMAR                   |
| Schmülling, Bendikt      | Seismology                              | GEOMAR                   |
| Siegburg, Melanie, Dr.   | Paleo-Oceanography/Coring               | GEOMAR                   |
| Timm, Christian, Dr.     | Petrology                               | GEOMAR                   |
| Verdurme, Pauline, Dr.   | Petrology                               | GEOMAR                   |
| Warnatz, Julia           | Paleo-Oceanography/Coring               | GEOMAR                   |
| Warwel, Arne             | Seismology                              | GEOMAR                   |
| Zindorf, Mark            | Pore water geochemistry                 | Uni Hamburg <sup>2</sup> |

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| MARUM                    | Centre for Marine Environmental Sciences, University of Bremen        |
| Uni Heidelbg.            | Ruprecht Karls University of Heidelberg                               |
| Uni Hamburg <sup>1</sup> | University of Hamburg, Institute of Geophysics, University Geophysics |
| Uni Hamburg <sup>2</sup> | Universität Hamburg, Institute for Geology, University of Hamburg     |
| Uni Frankfurt            | Goethe University Frankfurt                                           |

# Overall Station List

| Station N° | Instrument N°     | Date       | Time     | Latitude      | Longitude      | WaterDepth (m) | IGSN |
|------------|-------------------|------------|----------|---------------|----------------|----------------|------|
| SO314_1-1  | Releaser Test 01  | 2025/08/18 | 17:01:49 | 16° 38,349' S | 130° 10,270' W | 3.995          |      |
| SO314_1-2  | Releaser Test 02  | 2025/08/18 | 19:04:30 | 16° 38,348' S | 130° 10,274' W | surface        |      |
| SO314_1-3  | ARGO-Float 01     | 2025/08/18 | 20:36:49 | 16° 38,351' S | 130° 10,257' W | surface        |      |
| SO314_2-1  | Releaser Test 03  | 2025/08/22 | 21:34:59 | 13° 49,570' S | 114° 06,774' W | surface        |      |
| SO314_3-1  | MAG profile start | 2025/08/22 | 23:55:04 | 13° 49,915' S | 114° 04,978' W | 3.193          |      |
| SO314_3-1  | MAG profile end   | 2025/08/23 | 15:15:51 | 14° 12,612' S | 112° 31,506' W | 2.667          |      |
| SO314_4-1  | OBS-01            | 2025/08/23 | 20:55:39 | 14° 04,135' S | 112° 43,734' W | 3.013          |      |
| SO314_5-1  | OBS-02            | 2025/08/23 | 21:24:56 | 14° 04,763' S | 112° 41,213' W | 3.084          |      |
| SO314_6-1  | OBS-03            | 2025/08/23 | 21:49:56 | 14° 05,422' S | 112° 38,666' W | 3.072          |      |
| SO314_7-1  | OBS-04            | 2025/08/23 | 22:18:20 | 14° 06,059' S | 112° 35,802' W | 3.032          |      |
| SO314_8-1  | OBS-05            | 2025/08/23 | 23:59:34 | 14° 06,663' S | 112° 33,192' W | 2.907          |      |
| SO314_9-1  | OBS-06            | 2025/08/24 | 00:26:07 | 14° 07,318' S | 112° 30,542' W | 2.626          |      |
| SO314_10-1 | OBS-07            | 2025/08/24 | 00:58:08 | 14° 07,957' S | 112° 27,948' W | 2.885          |      |
| SO314_11-1 | OBS-08            | 2025/08/24 | 01:23:36 | 14° 08,590' S | 112° 25,311' W | 2.965          |      |
| SO314_12-1 | OBS-09            | 2025/08/24 | 01:49:24 | 14° 09,212' S | 112° 22,682' W | 2.989          |      |
| SO314_13-1 | OBS-10            | 2025/08/24 | 02:12:48 | 14° 09,287' S | 112° 22,434' W | 2.956          |      |
| SO314_14-1 | OBS-11            | 2025/08/24 | 02:27:57 | 14° 09,329' S | 112° 22,151' W | 3.011          |      |
| SO314_15-1 | OBS-12            | 2025/08/24 | 02:40:46 | 14° 09,397' S | 112° 21,889' W | 2.991          |      |
| SO314_16-1 | OBS-13            | 2025/08/24 | 02:53:59 | 14° 09,378' S | 112° 21,506' W | 2.963          |      |
| SO314_17-1 | OBS-14            | 2025/08/24 | 06:07:39 | 14° 09,514' S | 112° 21,375' W | -              |      |
| SO314_18-1 | OBS-15            | 2025/08/24 | 06:43:19 | 14° 09,583' S | 112° 21,112' W | -              |      |
| SO314_19-1 | OBS-16            | 2025/08/24 | 07:06:02 | 14° 09,646' S | 112° 20,861' W | -              |      |
| SO314_20-1 | OBS-17            | 2025/08/24 | 07:27:44 | 14° 09,696' S | 112° 20,601' W | 2.982          |      |
| SO314_21-1 | OBS-18            | 2025/08/24 | 07:55:13 | 14° 09,766' S | 112° 20,339' W | 2.968          |      |
| SO314_22-1 | OBS-19            | 2025/08/24 | 08:14:23 | 14° 09,825' S | 112° 20,081' W | 2.953          |      |
| SO314_23-1 | OBS-20            | 2025/08/24 | 08:34:10 | 14° 09,886' S | 112° 19,831' W | 2.948          |      |
| SO314_24-1 | OBS-21            | 2025/08/24 | 08:52:48 | 14° 09,951' S | 112° 19,574' W | 2.987          |      |
| SO314_25-1 | OBS-22            | 2025/08/24 | 09:10:29 | 14° 10,013' S | 112° 19,317' W | 3.027          |      |
| SO314_26-1 | OBS-23            | 2025/08/24 | 09:31:03 | 14° 10,059' S | 112° 19,056' W | 3.043          |      |
| SO314_28-1 | OBS-25            | 2025/08/24 | 12:28:40 | 14° 10,177' S | 112° 18,559' W | -              |      |
| SO314_29-1 | OBS-26            | 2025/08/24 | 13:07:12 | 14° 10,254' S | 112° 18,293' W | -              |      |
| SO314_30-1 | OBS-27            | 2025/08/24 | 13:17:11 | 14° 10,321' S | 112° 18,038' W | -              |      |
| SO314_31-1 | OBS-28            | 2025/08/24 | 13:28:34 | 14° 10,377' S | 112° 17,781' W | -              |      |
| SO314_32-1 | OBS-29            | 2025/08/24 | 13:39:05 | 14° 10,438' S | 112° 17,529' W | -              |      |
| SO314_33-1 | OBS-30            | 2025/08/24 | 13:57:06 | 14° 10,471' S | 112° 17,264' W | 3.023          |      |
| SO314_34-1 | OBS-31            | 2025/08/24 | 14:14:27 | 14° 10,566' S | 112° 17,012' W | 3.089          |      |
| SO314_35-1 | OBS-32            | 2025/08/24 | 14:24:58 | 14° 10,630' S | 112° 16,762' W | 3.078          |      |

| Station N° | Instrument N°            | Date       | Time     | Latitude      | Longitude      | WaterDepth (m) | IGSN            |
|------------|--------------------------|------------|----------|---------------|----------------|----------------|-----------------|
| SO314_36-1 | OBS-33                   | 2025/08/24 | 14:45:06 | 14° 10,692' S | 112° 16,497' W | 3.050          |                 |
| SO314_37-1 | OBS-34                   | 2025/08/24 | 14:54:40 | 14° 10,751' S | 112° 16,252' W | 3.047          |                 |
| SO314_38-1 | OBS-35                   | 2025/08/24 | 15:07:31 | 14° 10,813' S | 112° 15,986' W | 3.038          |                 |
| SO314_39-1 | OBS-36                   | 2025/08/24 | 15:32:55 | 14° 10,867' S | 112° 15,715' W | 3.058          |                 |
| SO314_40-1 | OBS-37                   | 2025/08/24 | 15:53:10 | 14° 10,934' S | 112° 15,464' W | 3.046          |                 |
| SO314_41-1 | OBS-38                   | 2025/08/24 | 16:14:09 | 14° 11,000' S | 112° 15,207' W | 3.057          |                 |
| SO314_42-1 | OBS-39                   | 2025/08/24 | 16:40:04 | 14° 11,060' S | 112° 14,949' W | 3.080          |                 |
| SO314_43-1 | OBS-40                   | 2025/08/24 | 17:00:10 | 14° 11,117' S | 112° 14,695' W | 3.056          |                 |
| SO314_44-1 | OBS-41                   | 2025/08/24 | 17:17:18 | 14° 11,187' S | 112° 14,444' W | 3.087          |                 |
| SO314_45-1 | OBS-42                   | 2025/08/24 | 17:41:01 | 14° 11,251' S | 112° 14,182' W | 3.100          |                 |
| SO314_46-1 | OBS-43                   | 2025/08/24 | 17:58:35 | 14° 11,306' S | 112° 13,931' W | 3.077          |                 |
| SO314_47-1 | OBS-44                   | 2025/08/24 | 18:16:21 | 14° 11,368' S | 112° 13,672' W | 3.036          |                 |
| SO314_48-1 | OBS-45                   | 2025/08/24 | 18:34:12 | 14° 11,426' S | 112° 13,413' W | 3.024          |                 |
| SO314_49-1 | GC-01                    | 2025/08/24 | 21:24:23 | 14° 10,727' S | 112° 16,451' W | 3.043          | KIEL0267GCFA201 |
| SO314_50-1 | WC-01                    | 2025/08/25 | 02:54:43 | 14° 05,246' S | 112° 30,265' W | 2.624          | KIEL0267GCFB201 |
| SO314_51-1 | WC-02                    | 2025/08/25 | 04:59:22 | 14° 06,216' S | 112° 30,250' W | 2.640          | KIEL0267GCF201  |
| SO314_52-1 | WC-03                    | 2025/08/25 | 06:52:31 | 14° 06,701' S | 112° 30,588' W | 2.624          | KIEL0267GCFD201 |
| SO314_53-1 | WC-04                    | 2025/08/25 | 08:53:23 | 14° 07,278' S | 112° 30,402' W | 2.680          | KIEL0267GCFE201 |
| SO314_54-1 | MCS profile start        | 2025/08/25 | 16:44:00 | 14° 02,423' S | 112° 50,722' W | 2.933          |                 |
| SO314_54-1 | MCS profile end          | 2025/08/26 | 14:53:34 | 14° 24,153' S | 111° 20,515' W | 3.233          |                 |
| SO314_55-1 | GC-02                    | 2025/08/26 | 19:00:20 | 14° 20,685' S | 111° 34,827' W | 3.157          | KIEL0267GCF201  |
| SO314_55-2 | MUC-01                   | 2025/08/26 | 21:22:28 | 14° 20,685' S | 111° 34,821' W | 3.159          | KIEL0267GCFG201 |
| SO314_55-3 | MUC-01 second deployment | 2025/08/26 | 23:36:27 | 14° 20,689' S | 111° 34,822' W | 3.157          | KIEL0267GCFH201 |
| SO314_57-1 | GC-04                    | 2025/08/27 | 06:07:34 | 14° 19,561' S | 111° 39,544' W | 3.188          | KIEL0267GCFK201 |
| SO314_58-1 | GC-05                    | 2025/08/27 | 10:28:35 | 14° 17,609' S | 111° 47,705' W | 3.096          | KIEL0267GCFM201 |
| SO314_59-1 | GC-06                    | 2025/08/27 | 13:54:57 | 14° 17,334' S | 111° 48,787' W | 3.228          | KIEL0267GCFN201 |
| SO314_60-1 | GC-07                    | 2025/08/27 | 19:54:34 | 14° 17,127' S | 111° 49,842' W | 3.190          | KIEL0267GCFP201 |
| SO314_61-2 | MUC-02                   | 2025/08/28 | 03:08:33 | 14° 16,320' S | 111° 52,982' W | 3.237          | KIEL0267GCFQ201 |
| SO314_62-1 | GC-09                    | 2025/08/28 | 05:59:17 | 14° 15,421' S | 111° 56,639' W | 3.144          | KIEL0267GCFR201 |
| SO314_63-1 | GC-10                    | 2025/08/28 | 09:45:13 | 14° 15,116' S | 111° 57,960' W | 3.199          | KIEL0267GCF201  |
| SO314_64-1 | GC-11                    | 2025/08/28 | 13:40:28 | 14° 14,818' S | 111° 59,192' W | 3.138          | KIEL0267GCF201  |
| SO314_65-1 | GC-12                    | 2025/08/28 | 17:35:24 | 14° 14,241' S | 112° 02,006' W | 3.097          | KIEL0267GCFU201 |
| SO314_66-1 | OBS-46                   | 2025/08/28 | 22:17:31 | 14° 11,470' S | 112° 13,181' W | 3.018          |                 |
| SO314_67-1 | OBS-47                   | 2025/08/28 | 22:39:37 | 14° 11,556' S | 112° 12,911' W | 3.027          |                 |
| SO314_68-1 | WC-05                    | 2025/08/29 | 01:23:06 | 14° 10,320' S | 112° 29,869' W | 2.760          | KIEL0267GCFV201 |
| SO314_69-1 | WC-06                    | 2025/08/29 | 03:48:15 | 14° 08,997' S | 112° 30,841' W | 2.618          | KIEL0267GCFW201 |
| SO314_70-1 | WC-07                    | 2025/08/29 | 06:06:21 | 14° 10,200' S | 112° 32,040' W | 2.672          | KIEL0267GCFX201 |
| SO314_71-1 | WC-08                    | 2025/08/29 | 08:18:48 | 14° 11,561' S | 112° 31,725' W | 2.618          | KIEL0267GCFY201 |

| Station N°  | Instrument N°                    | Date       | Time     | Latitude      | Longitude      | WaterDepth (m) | IGSN            |
|-------------|----------------------------------|------------|----------|---------------|----------------|----------------|-----------------|
| SO314_72-1  | WC-09                            | 2025/08/29 | 10:31:15 | 14° 12,806' S | 112° 30,369' W | 2.765          | KIEL0267GCFZ201 |
| SO314_73-1  | refraction seismic profile start | 2025/08/29 | 18:38:09 | 14° 02,133' S | 112° 52,732' W | 2.968          |                 |
| SO314_73-1  | refraction seismic profile end   | 2025/08/29 | 20:11:07 | 14° 05,092' S | 112° 39,659' W | 3.068          |                 |
| SO314_74-1  | GC-13                            | 2025/08/29 | 22:11:32 | 14° 11,251' S | 112° 37,249' W | 3.014          | KIEL0267GCF2201 |
| SO314_75-1  | GC-14                            | 2025/08/30 | 00:47:55 | 14° 11,000' S | 112° 38,272' W | 3.025          | KIEL0267GCF3201 |
| SO314_76-1  | WC-10                            | 2025/08/30 | 04:10:15 | 14° 10,202' S | 112° 33,333' W | 2.862          | KIEL0267GCF4201 |
| SO314_77-1  | WC-11                            | 2025/08/30 | 06:35:47 | 14° 13,047' S | 112° 32,194' W | 2.623          | KIEL0267GCF5201 |
| SO314_78-1  | WC-12                            | 2025/08/30 | 08:51:35 | 14° 14,464' S | 112° 32,381' W | 2.620          | KIEL0267GCF6201 |
| SO314_79-1  | WC-13                            | 2025/08/30 | 11:17:26 | 14° 13,451' S | 112° 35,660' W | 2.898          | KIEL0267GCF7201 |
| SO314_80-1  | OBS-19                           | 2025/08/30 | 14:50:02 | 14° 11,832' S | 112° 22,063' W | surface        |                 |
| SO314_80-2  | OBS 19 deployment 2              | 2025/08/30 | 17:05:50 | 14° 09,731' S | 112° 20,103' W | -              |                 |
| SO314_81-1  | GC-15                            | 2025/08/30 | 19:13:33 | 14° 10,414' S | 112° 40,821' W | 3.094          | KIEL0267GCF8201 |
| SO314_82-1  | GC-16                            | 2025/08/30 | 22:43:09 | 14° 09,646' S | 112° 44,250' W | 3.149          | KIEL0267GCF9201 |
| SO314_83-1  | GC-17                            | 2025/08/31 | 01:35:06 | 14° 09,397' S | 112° 44,760' W | 3.152          | KIEL0267GCGA201 |
| SO314_85-1  | GC-19                            | 2025/08/31 | 08:20:28 | 14° 06,860' S | 112° 55,261' W | 2.858          | KIEL0267GCGB201 |
| SO314_86-1  | GC-20                            | 2025/08/31 | 11:14:55 | 14° 05,981' S | 112° 58,493' W | 2.999          | KIEL0267GCGC201 |
| SO314_87-1  | GC-21                            | 2025/08/31 | 14:19:19 | 14° 05,170' S | 113° 01,957' W | 3.004          | KIEL0267GCGD201 |
| SO314_88-1  | GC-22                            | 2025/08/31 | 17:13:23 | 14° 04,860' S | 113° 03,353' W | 2.932          | KIEL0267GCGE201 |
| SO314_89-1  | GC-23                            | 2025/08/31 | 20:36:17 | 14° 04,461' S | 113° 04,851' W | 3.050          | KIEL0267GCGF201 |
| SO314_90-1  | MUC-03                           | 2025/09/01 | 00:19:13 | 14° 03,220' S | 113° 09,908' W | 3.099          | KIEL0267GCGG201 |
| SO314_90-2  | GC-24                            | 2025/09/01 | 02:45:01 | 14° 03,215' S | 113° 09,917' W | 3.101          | KIEL0267GCGH201 |
| SO314_91-1  | DR-01                            | 2025/09/01 | 09:52:13 | 14° 07,618' S | 112° 44,937' W | 2.946          | KIEL0267GEKY201 |
| SO314_92-1  | refraction seismic profile start | 2025/09/01 | 18:44:40 | 14° 17,712' S | 111° 26,138' W | 3.127          |                 |
| SO314_92-1  | refraction seismic profile end   | 2025/09/02 | 19:22:58 | 14° 21,715' S | 111° 30,588' W | 3.142          |                 |
| SO314_93-1  | MAG profile start                | 2025/09/02 | 22:30:11 | 14° 22,601' S | 111° 27,263' W | 3.212          |                 |
| SO314_93-1  | MAG profile end                  | 2025/09/03 | 07:19:24 | 13° 59,912' S | 112° 40,942' W | 3.102          |                 |
| SO314_94-1  | OBS-01                           | 2025/09/03 | 09:24:09 | 14° 04,354' S | 112° 43,867' W | surface        |                 |
| SO314_95-1  | OBS-02                           | 2025/09/03 | 10:19:17 | 14° 04,980' S | 112° 41,421' W | surface        |                 |
| SO314_96-1  | OBS-03                           | 2025/09/03 | 10:53:24 | 14° 05,524' S | 112° 38,720' W | surface        |                 |
| SO314_97-1  | OBS-04                           | 2025/09/03 | 11:39:37 | 14° 06,214' S | 112° 35,861' W | surface        |                 |
| SO314_98-1  | OBS-05                           | 2025/09/03 | 12:17:54 | 14° 06,721' S | 112° 33,175' W | surface        |                 |
| SO314_99-1  | OBS-06                           | 2025/09/03 | 13:09:41 | 14° 07,403' S | 112° 30,523' W | surface        |                 |
| SO314_100-1 | OBS-07                           | 2025/09/03 | 13:50:49 | 14° 08,096' S | 112° 28,027' W | surface        |                 |
| SO314_101-1 | OBS-08                           | 2025/09/03 | 14:36:12 | 14° 08,681' S | 112° 25,291' W | surface        |                 |
| SO314_102-1 | OBS-09                           | 2025/09/03 | 15:33:34 | 14° 09,369' S | 112° 22,612' W | surface        |                 |
| SO314_103-1 | OBS-10                           | 2025/09/03 | 16:14:16 | 14° 09,394' S | 112° 22,342' W | surface        |                 |
| SO314_104-1 | OBS-11                           | 2025/09/03 | 16:50:37 | 14° 09,425' S | 112° 22,078' W | surface        |                 |
| SO314_105-1 | OBS-12                           | 2025/09/03 | 17:38:26 | 14° 09,523' S | 112° 21,815' W | surface        |                 |

| Station N°  | Instrument N°      | Date       | Time     | Latitude      | Longitude      | WaterDepth (m) | IGSN            |
|-------------|--------------------|------------|----------|---------------|----------------|----------------|-----------------|
| SO314_106-1 | OBS-13             | 2025/09/03 | 18:14:04 | 14° 09,531' S | 112° 21,450' W | surface        |                 |
| SO314_107-1 | OBS-14             | 2025/09/03 | 18:45:50 | 14° 09,632' S | 112° 21,264' W | surface        |                 |
| SO314_108-1 | OBS-15             | 2025/09/03 | 19:15:19 | 14° 09,681' S | 112° 20,998' W | surface        |                 |
| SO314_109-1 | OBS-16             | 2025/09/03 | 19:52:20 | 14° 09,763' S | 112° 20,791' W | surface        |                 |
| SO314_109-2 | OBS-17             | 2025/09/03 | 20:37:39 | 14° 09,896' S | 112° 20,559' W | surface        |                 |
| SO314_109-4 | OBS-19             | 2025/09/03 | 21:55:35 | 14° 09,765' S | 112° 20,102' W | surface        |                 |
| SO314_109-5 | OBS-20             | 2025/09/03 | 22:31:16 | 14° 09,996' S | 112° 19,801' W | surface        |                 |
| SO314_109-6 | OBS-21             | 2025/09/03 | 22:51:14 | 14° 10,024' S | 112° 19,553' W | surface        |                 |
| SO314_109-7 | OBS-22             | 2025/09/03 | 23:18:09 | 14° 10,074' S | 112° 19,322' W | surface        |                 |
| SO314_110-1 | OBS-23             | 2025/09/03 | 23:52:53 | 14° 10,144' S | 112° 19,023' W | surface        |                 |
| SO314_111-1 | OBS-24             | 2025/09/04 | 00:14:05 | 14° 10,193' S | 112° 18,787' W | surface        |                 |
| SO314_112-1 | OBS-25             | 2025/09/04 | 00:42:47 | 14° 10,224' S | 112° 18,552' W | surface        |                 |
| SO314_113-1 | OBS-26             | 2025/09/04 | 01:21:48 | 14° 10,372' S | 112° 18,327' W | surface        |                 |
| SO314_114-1 | OBS-27             | 2025/09/04 | 01:46:28 | 14° 10,430' S | 112° 18,022' W | surface        |                 |
| SO314_115-1 | OBS-28             | 2025/09/04 | 02:14:56 | 14° 10,480' S | 112° 17,775' W | surface        |                 |
| SO314_116-1 | OBS-29             | 2025/09/04 | 02:56:27 | 14° 10,549' S | 112° 17,508' W | surface        |                 |
| SO314_117-1 | OBS-30             | 2025/09/04 | 03:43:52 | 14° 10,627' S | 112° 17,264' W | surface        |                 |
| SO314_118-1 | OBS-31             | 2025/09/04 | 04:21:25 | 14° 10,663' S | 112° 16,948' W | surface        |                 |
| SO314_119-1 | OBS-32             | 2025/09/04 | 05:19:25 | 14° 10,721' S | 112° 16,743' W | surface        |                 |
| SO314_120-1 | OBS-33             | 2025/09/04 | 05:59:25 | 14° 10,757' S | 112° 16,410' W | surface        |                 |
| SO314_121-1 | OBS-34             | 2025/09/04 | 06:50:00 | 14° 10,668' S | 112° 16,076' W | surface        |                 |
| SO314_122-1 | OBS-35             | 2025/09/04 | 08:08:00 | 14° 11,050' S | 112° 16,042' W | surface        |                 |
| SO314_122-2 | OBS-36             | 2025/09/04 | 08:39:47 | 14° 11,022' S | 112° 15,675' W | surface        |                 |
| SO314_123-1 | OBS-37             | 2025/09/04 | 09:15:44 | 14° 11,074' S | 112° 15,505' W | surface        |                 |
| SO314_123-2 | OBS-38             | 2025/09/04 | 10:07:06 | 14° 11,140' S | 112° 15,185' W | surface        |                 |
| SO314_123-3 | OBS-39             | 2025/09/04 | 10:43:40 | 14° 11,128' S | 112° 14,872' W | surface        |                 |
| SO314_124-1 | OBS-40             | 2025/09/04 | 11:28:52 | 14° 11,216' S | 112° 14,582' W | surface        |                 |
| SO314_125-1 | OBS-41             | 2025/09/04 | 12:19:40 | 14° 11,228' S | 112° 14,334' W | surface        |                 |
| SO314_126-1 | OBS-42             | 2025/09/04 | 13:01:31 | 14° 11,362' S | 112° 14,046' W | surface        |                 |
| SO314_127-1 | OBS-43             | 2025/09/04 | 13:42:47 | 14° 11,401' S | 112° 13,827' W | surface        |                 |
| SO314_128-1 | OBS-44             | 2025/09/04 | 14:20:22 | 14° 11,494' S | 112° 13,570' W | surface        |                 |
| SO314_129-1 | OBS-45             | 2025/09/04 | 14:45:56 | 14° 11,535' S | 112° 13,345' W | surface        |                 |
| SO314_130-1 | OBS-46             | 2025/09/04 | 15:18:54 | 14° 11,555' S | 112° 13,121' W | surface        |                 |
| SO314_131-1 | OBS-47 no recovery | 2025/09/04 | 15:15:03 | 14° 11,526' S | 112° 13,115' W | -              |                 |
| SO314_132-2 | MUC-04             | 2025/09/04 | 20:37:56 | 14° 10,584' S | 112° 16,805' W | 3.076          | KIEL0267GCGK201 |
| SO314_133-1 | GC-26              | 2025/09/04 | 23:23:53 | 14° 10,440' S | 112° 17,473' W | 3.021          | KIEL0267GCGM201 |
| SO314_133-2 | MUC-05             | 2025/09/05 | 01:29:24 | 14° 10,424' S | 112° 17,475' W | 2.986          | KIEL0267GCGN201 |
| SO314_134-1 | GC-27              | 2025/09/05 | 03:55:58 | 14° 10,278' S | 112° 18,054' W | 3.058          | KIEL0267GCGP201 |

| Station N°  | Instrument N° | Date       | Time     | Latitude      | Longitude      | WaterDepth (m) | IGSN            |
|-------------|---------------|------------|----------|---------------|----------------|----------------|-----------------|
| SO314_135-1 | GC-28         | 2025/09/05 | 07:10:05 | 14° 09,944' S | 112° 19,457' W | 2.977          | KIEL0267GCGQ201 |
| SO314_136-1 | GC-29         | 2025/09/05 | 09:49:33 | 14° 09,632' S | 112° 20,748' W | 2.976          | KIEL0267GCGR201 |
| SO314_137-1 | GC-30         | 2025/09/05 | 12:20:10 | 14° 09,488' S | 112° 21,391' W | 2.931          | KIEL0267GCGS201 |
| SO314_138-1 | GC-31         | 2025/09/05 | 14:55:02 | 14° 09,195' S | 112° 22,615' W | 2.970          | KIEL0267GCGT201 |
| SO314_139-1 | GC-32         | 2025/09/05 | 17:32:04 | 14° 09,013' S | 112° 23,338' W | 3.031          | KIEL0267GCGU201 |
| SO314_140-1 | GC-33         | 2025/09/05 | 20:12:47 | 14° 08,534' S | 112° 25,446' W | 2.971          | KIEL0267GCGV201 |
| SO314_141-1 | WC-14         | 2025/09/05 | 23:05:04 | 14° 07,456' S | 112° 28,700' W | 2.766          | KIEL0267GCGW201 |
| SO314_142-1 | WC-15         | 2025/09/06 | 01:23:54 | 14° 07,011' S | 112° 30,604' W | 2.618          | KIEL0267GCGX201 |
| SO314_143-1 | WC-16         | 2025/09/06 | 03:38:00 | 14° 06,657' S | 112° 32,043' W | 2.824          | KIEL0267GCGY201 |
| SO314_144-1 | WC-17         | 2025/09/06 | 05:54:50 | 14° 04,673' S | 112° 31,803' W | 2.807          | KIEL0267GCGZ201 |
| SO314_145-1 | WC-18         | 2025/09/06 | 08:20:07 | 14° 03,681' S | 112° 29,917' W | 2.622          | KIEL0267GCG2201 |
| SO314_146-1 | WC-19         | 2025/09/06 | 10:32:11 | 14° 03,123' S | 112° 27,705' W | 2.718          | KIEL0267GCG3201 |
| SO314_147-1 | WC-20         | 2025/09/06 | 12:52:21 | 14° 01,933' S | 112° 30,061' W | 2.628          | KIEL0267GCG4201 |
| SO314_148-1 | WC-21         | 2025/09/06 | 15:04:15 | 14° 00,547' S | 112° 29,161' W | 2.616          | KIEL0267GCG5201 |
| SO314_149-1 | OBS-48        | 2025/09/06 | 19:24:46 | 14° 11,613' S | 112° 12,671' W | 2.994          |                 |
| SO314_150-1 | OBS-49        | 2025/09/06 | 19:37:23 | 14° 11,674' S | 112° 12,389' W | 3.009          |                 |
| SO314_151-1 | OBS-50        | 2025/09/06 | 19:47:32 | 14° 11,738' S | 112° 12,131' W | 3.018          |                 |
| SO314_152-1 | OBS-51        | 2025/09/06 | 19:58:40 | 14° 11,799' S | 112° 11,877' W | 2.998          |                 |
| SO314_153-1 | OBS-52        | 2025/09/06 | 20:07:35 | 14° 11,862' S | 112° 11,634' W | 3.007          |                 |
| SO314_154-1 | OBS-53        | 2025/09/06 | 20:17:37 | 14° 11,934' S | 112° 11,420' W | 3.029          |                 |
| SO314_155-1 | OBS-54        | 2025/09/06 | 20:27:37 | 14° 11,976' S | 112° 11,114' W | 3.053          |                 |
| SO314_156-1 | OBS-55        | 2025/09/06 | 20:39:27 | 14° 12,045' S | 112° 10,856' W | 3.067          |                 |
| SO314_157-1 | OBS-56        | 2025/09/06 | 20:48:31 | 14° 12,096' S | 112° 10,591' W | 3.061          |                 |
| SO314_158-1 | OBS-57        | 2025/09/06 | 20:57:16 | 14° 12,165' S | 112° 10,351' W | 3.073          |                 |
| SO314_159-1 | OBS-58        | 2025/09/06 | 21:07:01 | 14° 12,221' S | 112° 10,096' W | 3.052          |                 |
| SO314_161-1 | OBS-60        | 2025/09/06 | 21:27:07 | 14° 12,347' S | 112° 09,594' W | 3.040          |                 |
| SO314_162-1 | OBS-61        | 2025/09/06 | 21:35:47 | 14° 12,416' S | 112° 09,347' W | 3.039          |                 |
| SO314_163-1 | OBS-62        | 2025/09/06 | 21:46:10 | 14° 12,473' S | 112° 09,074' W | 3.030          |                 |
| SO314_164-1 | OBS-63        | 2025/09/06 | 21:56:23 | 14° 12,567' S | 112° 08,814' W | 3.028          |                 |
| SO314_165-1 | OBS-64        | 2025/09/06 | 22:06:24 | 14° 12,594' S | 112° 08,556' W | 3.035          |                 |
| SO314_166-1 | OBS-65        | 2025/09/06 | 22:15:11 | 14° 12,651' S | 112° 08,319' W | 3.011          |                 |
| SO314_167-1 | OBS-66        | 2025/09/06 | 22:23:28 | 14° 12,726' S | 112° 08,055' W | 3.042          |                 |
| SO314_168-1 | OBS-67        | 2025/09/06 | 22:31:37 | 14° 12,795' S | 112° 07,768' W | 3.070          |                 |
| SO314_169-1 | OBS-68        | 2025/09/06 | 22:40:26 | 14° 12,871' S | 112° 07,528' W | 3.087          |                 |
| SO314_170-1 | OBS-69        | 2025/09/06 | 22:49:19 | 14° 12,928' S | 112° 07,260' W | 3.099          |                 |
| SO314_171-1 | OBS-70        | 2025/09/06 | 22:57:43 | 14° 12,951' S | 112° 07,019' W | 3.127          |                 |
| SO314_172-1 | OBS-71        | 2025/09/06 | 23:05:57 | 14° 13,054' S | 112° 06,764' W | 3.076          |                 |
| SO314_173-1 | OBS-72        | 2025/09/06 | 23:14:09 | 14° 13,098' S | 112° 06,501' W | 3.072          |                 |

| Station N°  | Instrument N°                    | Date         | Time     | Latitude      | Longitude      | WaterDepth (m) | IGSN |
|-------------|----------------------------------|--------------|----------|---------------|----------------|----------------|------|
| SO314_174-1 | OBS-73                           | 2025/09/06   | 23:21:54 | 14° 13,146' S | 112° 06,241' W | 3.119          |      |
| SO314_175-1 | OBS-74                           | 2025/09/06   | 23:27:51 | 14° 13,225' S | 112° 05,973' W | 3.145          |      |
| SO314_176-1 | OBS-75                           | 2025/09/06   | 23:35:09 | 14° 13,283' S | 112° 05,717' W | 3.140          |      |
| SO314_177-1 | OBS-76                           | 2025/09/06   | 23:40:45 | 14° 13,337' S | 112° 05,481' W | 3.121          |      |
| SO314_178-1 | OBS-77                           | 2025/09/06   | 23:46:38 | 14° 13,410' S | 112° 05,207' W | 3.130          |      |
| SO314_179-1 | OBS-78                           | 2025/09/06   | 23:52:39 | 14° 13,458' S | 112° 04,938' W | 3.137          |      |
| SO314_180-1 | OBS-79                           | 2025/09/06   | 23:59:47 | 14° 13,522' S | 112° 04,698' W | 3.150          |      |
| SO314_181-1 | OBS-80                           | 2025/09/07   | 00:07:00 | 14° 13,599' S | 112° 04,435' W | 3.095          |      |
| SO314_182-1 | OBS-81                           | 2025/09/07   | 00:13:34 | 14° 13,640' S | 112° 04,188' W | 3.103          |      |
| SO314_183-1 | OBS-82                           | 2025/09/07   | 00:21:21 | 14° 13,709' S | 112° 03,918' W | 3.079          |      |
| SO314_184-1 | OBS-83                           | 2025/09/07   | 00:27:47 | 14° 13,775' S | 112° 03,670' W | 3.074          |      |
| SO314_185-1 | OBS-84                           | 2025/09/07   | 00:34:25 | 14° 13,834' S | 112° 03,404' W | 3.102          |      |
| SO314_186-1 | OBS-85                           | 2025/09/07   | 00:41:21 | 14° 13,903' S | 112° 03,151' W | 3.144          |      |
| SO314_187-1 | OBS-86                           | 2025/09/07   | 00:48:11 | 14° 13,946' S | 112° 02,891' W | 3.163          |      |
| SO314_188-1 | OBS-87                           | 2025/09/07   | 00:54:15 | 14° 14,011' S | 112° 02,622' W | 3.117          |      |
| SO314_189-1 | OBS-88                           | 2025/09/07   | 01:00:54 | 14° 14,064' S | 112° 02,388' W | 3.100          |      |
| SO314_191-1 | OBS-90                           | 2025/09/07   | 01:13:33 | 14° 14,201' S | 112° 01,877' W | 3.098          |      |
| SO314_192-1 | OBS-91                           | 2025/09/07   | 01:20:06 | 14° 14,256' S | 112° 01,614' W | 3.122          |      |
| SO314_193-1 | OBS-92                           | 2025/09/07   | 01:26:46 | 14° 14,317' S | 112° 01,366' W | 3.147          |      |
| SO314_194-1 | OBS-93                           | 2025/09/07   | 01:34:19 | 14° 14,364' S | 112° 01,106' W | 3.145          |      |
| SO314_195-1 | MAG profile start                | 2025/09/07   | 02:59:17 | 14° 15,059' S | 111° 58,298' W | 3.179          |      |
| SO314_195-1 | MAG profile end                  | 2025/09/07   | 13:09:25 | 13° 59,625' S | 112° 42,425' W | 3.016          |      |
| SO314_196-1 | refraction seismic profile start | 2025/09/07   | 17:25:25 | 14° 03,913' S | 112° 44,782' W | 2.964          |      |
| SO314_196-1 | refraction seismic profile end   | 2025/09/08 1 | 7:26:54  | 14° 21,737' S | 111° 30,532' W | 3.133          |      |
| SO314_197-1 | MAG profile start                | 2025/09/08   | 19:17:41 | 14° 22,089' S | 111° 29,129' W | 3.181          |      |
| SO314_197-1 | MAG profile end                  | 2025/09/09   | 00:14:12 | 14° 12,136' S | 112° 10,473' W | 3.060          |      |
| SO314_198-1 | OBS-48                           | 2025/09/09   | 01:47:50 | 14° 11,660' S | 112° 12,766' W | surface        |      |
| SO314_199-1 | OBS-49                           | 2025/09/09   | 02:25:27 | 14° 11,707' S | 112° 12,391' W | surface        |      |
| SO314_200-1 | OBS-50                           | 2025/09/09   | 03:05:30 | 14° 11,762' S | 112° 12,215' W | surface        |      |
| SO314_201-1 | OBS-51                           | 2025/09/09   | 03:48:34 | 14° 11,838' S | 112° 11,967' W | surface        |      |
| SO314_202-1 | OBS-52                           | 2025/09/09   | 04:30:46 | 14° 11,894' S | 112° 11,649' W | surface        |      |
| SO314_203-1 | OBS-53                           | 2025/09/09   | 05:12:22 | 14° 11,892' S | 112° 11,472' W | surface        |      |
| SO314_204-1 | OBS-54                           | 2025/09/09   | 05:59:52 | 14° 12,041' S | 112° 11,126' W | surface        |      |
| SO314_205-1 | OBS-55                           | 2025/09/09   | 06:41:21 | 14° 12,081' S | 112° 10,898' W | surface        |      |
| SO314_206-1 | OBS-56                           | 2025/09/09   | 07:20:53 | 14° 12,123' S | 112° 10,697' W | surface        |      |
| SO314_207-1 | OBS-57                           | 2025/09/09   | 08:05:41 | 14° 12,326' S | 112° 10,564' W | surface        |      |
| SO314_208-1 | OBS-58                           | 2025/09/09   | 08:42:41 | 14° 12,301' S | 112° 10,236' W | surface        |      |
| SO314_209-1 | OBS-59                           | 2025/09/09   | 09:23:31 | 14° 12,257' S | 112° 09,934' W | surface        |      |

| Station N°  | Instrument N° | Date       | Time     | Latitude      | Longitude      | WaterDepth (m) | IGSN            |
|-------------|---------------|------------|----------|---------------|----------------|----------------|-----------------|
| SO314_210-1 | OBS-60        | 2025/09/09 | 10:28:36 | 14° 12,489' S | 112° 09,857' W | surface        |                 |
| SO314_211-1 | OBS-61        | 2025/09/09 | 10:57:46 | 14° 12,407' S | 112° 09,416' W | surface        |                 |
| SO314_212-1 | OBS-62        | 2025/09/09 | 11:33:07 | 14° 12,497' S | 112° 09,167' W | surface        |                 |
| SO314_213-1 | OBS-63        | 2025/09/09 | 12:22:34 | 14° 12,559' S | 112° 08,916' W | surface        |                 |
| SO314_214-1 | OBS-64        | 2025/09/09 | 12:59:05 | 14° 12,592' S | 112° 08,676' W | surface        |                 |
| SO314_215-1 | OBS-65        | 2025/09/09 | 13:38:06 | 14° 12,659' S | 112° 08,423' W | surface        |                 |
| SO314_216-1 | OBS-66        | 2025/09/09 | 14:18:31 | 14° 12,734' S | 112° 08,171' W | surface        |                 |
| SO314_218-1 | OBS-68        | 2025/09/09 | 15:17:12 | 14° 12,964' S | 112° 07,653' W | surface        |                 |
| SO314_219-1 | OBS-69        | 2025/09/09 | 15:55:11 | 14° 12,997' S | 112° 07,383' W | surface        |                 |
| SO314_220-1 | OBS-70        | 2025/09/09 | 16:22:27 | 14° 12,986' S | 112° 07,079' W | surface        |                 |
| SO314_221-1 | OBS-71        | 2025/09/09 | 16:47:59 | 14° 13,118' S | 112° 06,815' W | surface        |                 |
| SO314_222-1 | OBS-72        | 2025/09/09 | 17:24:24 | 14° 13,139' S | 112° 06,522' W | surface        |                 |
| SO314_223-1 | OBS-73        | 2025/09/09 | 17:54:58 | 14° 13,242' S | 112° 06,307' W | surface        |                 |
| SO314_224-1 | OBS-74        | 2025/09/09 | 18:27:29 | 14° 13,248' S | 112° 06,029' W | surface        |                 |
| SO314_225-1 | OBS-75        | 2025/09/09 | 19:20:58 | 14° 13,421' S | 112° 05,828' W | surface        |                 |
| SO314_226-1 | OBS-76        | 2025/09/09 | 19:53:03 | 14° 13,227' S | 112° 05,101' W | surface        |                 |
| SO314_225-2 | OBS-77        | 2025/09/09 | 20:06:54 | 14° 13,533' S | 112° 05,389' W | surface        |                 |
| SO314_227-1 | OBS-78        | 2025/09/09 | 20:27:47 | 14° 13,646' S | 112° 05,022' W | surface        |                 |
| SO314_228-1 | OBS-79        | 2025/09/09 | 21:14:09 | 14° 13,566' S | 112° 04,703' W | surface        |                 |
| SO314_228-2 | OBS-80        | 2025/09/09 | 21:35:49 | 14° 13,617' S | 112° 04,552' W | surface        |                 |
| SO314_228-3 | OBS-81        | 2025/09/09 | 22:19:55 | 14° 13,669' S | 112° 04,260' W | surface        |                 |
| SO314_228-4 | OBS-82        | 2025/09/09 | 22:48:57 | 14° 13,741' S | 112° 03,923' W | surface        |                 |
| SO314_228-5 | OBS-83        | 2025/09/09 | 23:15:57 | 14° 13,840' S | 112° 03,747' W | surface        |                 |
| SO314_229-1 | OBS-84        | 2025/09/09 | 23:48:48 | 14° 13,956' S | 112° 03,500' W | surface        |                 |
| SO314_230-1 | OBS-85        | 2025/09/10 | 00:03:41 | 14° 13,978' S | 112° 03,160' W | surface        |                 |
| SO314_231-1 | OBS-86        | 2025/09/10 | 00:51:00 | 14° 13,981' S | 112° 02,908' W | surface        |                 |
| SO314_232-1 | OBS-87        | 2025/09/10 | 01:14:11 | 14° 14,089' S | 112° 02,688' W | surface        |                 |
| SO314_233-1 | OBS-88        | 2025/09/10 | 01:48:06 | 14° 14,148' S | 112° 02,402' W | surface        |                 |
| SO314_234-1 | OBS-89        | 2025/09/10 | 02:36:47 | 14° 14,170' S | 112° 02,093' W | surface        |                 |
| SO314_235-1 | OBS-90        | 2025/09/10 | 03:35:56 | 14° 14,252' S | 112° 01,882' W | surface        |                 |
| SO314_236-1 | OBS-91        | 2025/09/10 | 04:29:44 | 14° 14,298' S | 112° 01,630' W | surface        |                 |
| SO314_237-1 | OBS-92        | 2025/09/10 | 05:15:49 | 14° 14,441' S | 112° 01,334' W | surface        |                 |
| SO314_238-1 | OBS-93        | 2025/09/10 | 06:23:03 | 14° 14,577' S | 112° 01,023' W | surface        |                 |
| SO314_239-1 | GC-34         | 2025/09/10 | 20:22:51 | 14° 10,764' S | 112° 16,170' W | 3.040          | KIEL0267GCG6201 |
| SO314_240-1 | GC-35         | 2025/09/10 | 23:00:00 | 14° 11,033' S | 112° 14,996' W | 3.081          | KIEL0267GCG7201 |
| SO314_241-1 | GC-36         | 2025/09/11 | 01:26:47 | 14° 11,207' S | 112° 14,182' W | 3.102          | KIEL0267GCG8201 |
| SO314_242-1 | GC-37         | 2025/09/11 | 08:28:46 | 14° 11,436' S | 112° 13,255' W | 3.015          | KIEL0267GCG9201 |
| SO314_243-1 | GC-38         | 2025/09/11 | 10:59:02 | 14° 11,612' S | 112° 12,559' W | 2.995          | KIEL0267GCHA201 |

| Station N°  | Instrument N° | Date       | Time     | Latitude      | Longitude      | WaterDepth (m) | IGSN            |
|-------------|---------------|------------|----------|---------------|----------------|----------------|-----------------|
| SO314_243-2 | MUC-08        | 2025/09/11 | 13:07:40 | 14° 11,612' S | 112° 12,559' W | 2.996          | KIEL0267GCHB201 |
| SO314_244-1 | GC-39         | 2025/09/11 | 15:33:58 | 14° 11,691' S | 112° 12,185' W | 3.017          | KIEL0267GCHC201 |
| SO314_245-1 | GC-40         | 2025/09/11 | 18:14:43 | 14° 11,867' S | 112° 11,490' W | 3.014          | KIEL0267GCHD201 |
| SO314_246-1 | GC-41         | 2025/09/11 | 21:09:39 | 14° 12,113' S | 112° 10,528' W | 3.067          | KIEL0267GCHE201 |
| SO314_247-1 | GC-42         | 2025/09/11 | 23:38:45 | 14° 12,412' S | 112° 09,238' W | 3.038          | KIEL0267GCHF201 |
| SO314_248-1 | GC-43         | 2025/09/12 | 03:44:44 | 14° 12,603' S | 112° 08,421' W | 3.002          | KIEL0267GCHG201 |
| SO314_249-1 | GC-44         | 2025/09/12 | 06:49:16 | 14° 12,950' S | 112° 07,034' W | 3.126          | KIEL0267GCHH201 |
| SO314_250-1 | GC-45         | 2025/09/12 | 09:30:47 | 14° 13,080' S | 112° 06,476' W | 3.069          | KIEL0267GCHK201 |
| SO314_251-1 | GC-46         | 2025/09/12 | 11:54:31 | 14° 13,200' S | 112° 05,886' W | 3.155          | KIEL0267GCHM201 |
| SO314_252-1 | GC-47         | 2025/09/12 | 14:34:05 | 14° 13,308' S | 112° 05,379' W | 3.109          | KIEL0267GCHN201 |
| SO314_253-1 | GC-48         | 2025/09/12 | 17:46:02 | 14° 13,577' S | 112° 04,228' W | 3.135          | KIEL0267GCHP201 |
| SO314_254-1 | GC-49         | 2025/09/12 | 20:38:36 | 14° 13,898' S | 112° 03,012' W | 3.158          | KIEL0267GCHQ201 |
| SO314_254-2 | MUC-09        | 2025/09/12 | 22:53:50 | 14° 13,920' S | 112° 02,957' W | 3.167          | KIEL0267GCHR201 |
| SO314_255-1 | GC-50         | 2025/09/13 | 01:52:45 | 14° 14,485' S | 112° 00,620' W | 3.063          | KIEL0267GCHS201 |
| SO314_256-1 | GC-51         | 2025/09/13 | 04:51:35 | 14° 15,563' S | 111° 56,112' W | 3.204          | KIEL0267GCHT201 |
| SO314_257-1 | GC-52         | 2025/09/13 | 07:26:17 | 14° 16,118' S | 111° 53,778' W | 3.204          | KIEL0267GCHU201 |
| SO314_258-1 | GC-53         | 2025/09/13 | 10:08:54 | 14° 16,788' S | 111° 50,973' W | 3.122          | KIEL0267GCHV201 |
| SO314_259-1 | GC-54         | 2025/09/13 | 14:09:47 | 14° 08,730' S | 112° 03,934' W | 3.023          | KIEL0267GCHW201 |
| SO314_260-1 | GC-55         | 2025/09/13 | 17:23:34 | 14° 08,287' S | 112° 05,932' W | 2.957          | KIEL0267GCHX201 |
| SO314_261-1 | GC-56         | 2025/09/13 | 21:34:04 | 14° 08,507' S | 112° 25,449' W | 2.965          | KIEL0267GCHY201 |
| SO314_262-1 | GC-57         | 2025/09/14 | 00:07:01 | 14° 08,033' S | 112° 27,349' W | 2.895          | KIEL0267GCHZ201 |
| SO314_263-1 | OBS-301       | 2025/09/14 | 11:59:59 | 14° 07,629' S | 112° 29,235' W | 2.760          |                 |
| SO314_264-1 | OBS-302       | 2025/09/14 | 12:23:31 | 14° 08,325' S | 112° 26,304' W | 2.956          |                 |
| SO314_265-1 | OBS-303       | 2025/09/14 | 12:44:01 | 14° 08,935' S | 112° 23,774' W | 2.969          |                 |
| SO314_266-1 | OBS-224       | 2025/09/14 | 13:19:28 | 14° 10,126' S | 112° 18,781' W | 2.989          |                 |
| SO314_267-1 | OBS-247       | 2025/09/14 | 14:19:20 | 14° 11,547' S | 112° 12,901' W | -              |                 |
| SO314_268-1 | OBS-94        | 2025/09/14 | 17:07:27 | 14° 14,449' S | 112° 00,850' W | 3.136          |                 |
| SO314_270-1 | OBS-96        | 2025/09/14 | 17:27:08 | 14° 14,574' S | 112° 00,330' W | 3.049          |                 |
| SO314_271-1 | OBS-97        | 2025/09/14 | 17:35:32 | 14° 14,644' S | 112° 00,081' W | 3.114          |                 |
| SO314_272-1 | OBS-98        | 2025/09/14 | 17:44:45 | 14° 14,709' S | 111° 59,828' W | 3.122          |                 |
| SO314_273-1 | OBS-99        | 2025/09/14 | 17:53:55 | 14° 14,755' S | 111° 59,568' W | 3.110          |                 |
| SO314_274-1 | OBS-100       | 2025/09/14 | 18:02:34 | 14° 14,818' S | 111° 59,312' W | 3.115          |                 |
| SO314_275-1 | OBS-101       | 2025/09/14 | 18:09:52 | 14° 14,880' S | 111° 59,055' W | 3.112          |                 |
| SO314_276-1 | OBS-102       | 2025/09/14 | 18:18:43 | 14° 14,955' S | 111° 58,806' W | 3.124          |                 |
| SO314_277-1 | OBS-103       | 2025/09/14 | 18:26:05 | 14° 15,009' S | 111° 58,547' W | 3.114          |                 |
| SO314_278-1 | OBS-104       | 2025/09/14 | 18:33:31 | 14° 15,076' S | 111° 58,289' W | 3.181          |                 |
| SO314_279-1 | OBS-105       | 2025/09/14 | 18:40:44 | 14° 15,125' S | 111° 58,030' W | 3.199          |                 |
| SO314_280-1 | OBS-106       | 2025/09/14 | 18:48:20 | 14° 15,185' S | 111° 57,767' W | 3.150          |                 |

| Station N°  | Instrument N°                    | Date       | Time     | Latitude      | Longitude      | WaterDepth (m) | IGSN            |
|-------------|----------------------------------|------------|----------|---------------|----------------|----------------|-----------------|
| SO314_281-1 | OBS-107                          | 2025/09/14 | 18:54:46 | 14° 15,240' S | 111° 57,505' W | 3.167          |                 |
| SO314_282-1 | OBS-108                          | 2025/09/14 | 19:01:54 | 14° 15,311' S | 111° 57,248' W | 3.175          |                 |
| SO314_283-1 | OBS-109                          | 2025/09/14 | 19:09:15 | 14° 15,390' S | 111° 56,979' W | 3.196          |                 |
| SO314_284-1 | OBS-110                          | 2025/09/14 | 19:15:27 | 14° 15,418' S | 111° 56,752' W | 3.181          |                 |
| SO314_285-1 | OBS-111                          | 2025/09/14 | 19:22:04 | 14° 15,505' S | 111° 56,487' W | 3.146          |                 |
| SO314_286-1 | OBS-112                          | 2025/09/14 | 19:29:09 | 14° 15,556' S | 111° 56,244' W | 3.171          |                 |
| SO314_287-1 | OBS-113                          | 2025/09/14 | 19:37:15 | 14° 15,618' S | 111° 55,964' W | 3.215          |                 |
| SO314_288-1 | OBS-114                          | 2025/09/14 | 19:43:02 | 14° 15,670' S | 111° 55,699' W | 3.172          |                 |
| SO314_289-1 | OBS-115                          | 2025/09/14 | 19:50:42 | 14° 15,762' S | 111° 55,441' W | 3.180          |                 |
| SO314_290-1 | OBS-116                          | 2025/09/14 | 19:56:19 | 14° 15,800' S | 111° 55,192' W | 3.172          |                 |
| SO314_291-1 | OBS-117                          | 2025/09/14 | 20:04:22 | 14° 15,878' S | 111° 54,926' W | 3.173          |                 |
| SO314_292-1 | OBS-118                          | 2025/09/14 | 20:18:01 | 14° 15,929' S | 111° 54,670' W | 3.153          |                 |
| SO314_293-1 | OBS-119                          | 2025/09/14 | 20:26:00 | 14° 15,999' S | 111° 54,422' W | 3.124          |                 |
| SO314_294-1 | OBS-120                          | 2025/09/14 | 20:32:27 | 14° 16,048' S | 111° 54,154' W | 3.150          |                 |
| SO314_295-1 | OBS-121                          | 2025/09/14 | 20:42:29 | 14° 16,122' S | 111° 53,885' W | 3.184          |                 |
| SO314_296-1 | OBS-122                          | 2025/09/14 | 20:49:19 | 14° 16,167' S | 111° 53,646' W | 3.212          |                 |
| SO314_297-1 | OBS-123                          | 2025/09/14 | 20:57:14 | 14° 16,260' S | 111° 53,397' W | 3.193          |                 |
| SO314_298-1 | OBS-124                          | 2025/09/14 | 21:04:02 | 14° 16,286' S | 111° 53,134' W | 3.248          |                 |
| SO314_300-1 | OBS-126                          | 2025/09/14 | 21:17:37 | 14° 16,418' S | 111° 52,614' W | 3.201          |                 |
| SO314_301-1 | OBS-127                          | 2025/09/14 | 21:25:40 | 14° 16,497' S | 111° 52,346' W | 3.169          |                 |
| SO314_302-1 | OBS-128                          | 2025/09/14 | 21:31:47 | 14° 16,540' S | 111° 52,123' W | 3.127          |                 |
| SO314_303-1 | OBS-129                          | 2025/09/14 | 21:56:04 | 14° 17,090' S | 111° 49,844' W | 3.187          |                 |
| SO314_304-1 | OBS-130                          | 2025/09/14 | 22:20:47 | 14° 17,805' S | 111° 46,896' W | 3.094          |                 |
| SO314_305-1 | OBS-131                          | 2025/09/14 | 22:46:14 | 14° 18,509' S | 111° 43,926' W | 3.205          |                 |
| SO314_306-1 | OBS-132                          | 2025/09/14 | 23:09:43 | 14° 19,207' S | 111° 41,001' W | 3.157          |                 |
| SO314_307-1 | OBS-133                          | 2025/09/14 | 23:33:38 | 14° 19,884' S | 111° 38,181' W | 3.246          |                 |
| SO314_308-1 | OBS-134                          | 2025/09/15 | 00:00:39 | 14° 20,679' S | 111° 34,899' W | 3.158          |                 |
| SO314_309-1 | OBS-135                          | 2025/09/15 | 00:29:01 | 14° 21,424' S | 111° 31,741' W | 3.146          |                 |
| SO314_310-1 | WC-22                            | 2025/09/15 | 08:36:39 | 14° 28,087' S | 112° 36,343' W | 2.610          | KIEL0267GCH2201 |
| SO314_311-1 | WC-23                            | 2025/09/15 | 11:06:46 | 14° 24,105' S | 112° 35,554' W | 2.627          | KIEL0267GCH3201 |
| SO314_312-1 | WC-24                            | 2025/09/15 | 13:25:08 | 14° 22,141' S | 112° 33,831' W | 2.639          | KIEL0267GCH4201 |
| SO314_313-1 | WC-25                            | 2025/09/15 | 15:40:47 | 14° 20,632' S | 112° 34,138' W | 2.610          | KIEL0267GCH5201 |
| SO314_314-1 | WC-26                            | 2025/09/15 | 18:11:28 | 14° 16,970' S | 112° 33,134' W | 2.617          | KIEL0267GCH6201 |
| SO314_315-1 | refraction seismic profile start | 2025/09/16 | 00:11:51 | 14° 03,146' S | 112° 48,155' W | 2.961          |                 |
| SO314_315-1 | refraction seismic profile end   | 2025/09/17 | 02:00:07 | 14° 21,737' S | 111° 30,462' W | 3.129          |                 |
| SO314_316-1 | OBS-135                          | 2025/09/17 | 03:49:40 | 14° 21,278' S | 111° 31,666' W | surface        |                 |
| SO314_316-2 | OBS-134                          | 2025/09/17 | 04:36:58 | 14° 20,647' S | 111° 34,841' W | surface        |                 |
| SO314_317-1 | OBS-133                          | 2025/09/17 | 05:38:21 | 14° 19,870' S | 111° 38,103' W | surface        |                 |

| Station N°  | Instrument N° | Date       | Time     | Latitude      | Longitude      | WaterDepth (m) | IGSN            |
|-------------|---------------|------------|----------|---------------|----------------|----------------|-----------------|
| SO314_318-1 | OBS-132       | 2025/09/17 | 06:32:34 | 14° 19,231' S | 111° 40,967' W | surface        |                 |
| SO314_319-1 | OBS-131       | 2025/09/17 | 07:40:32 | 14° 18,536' S | 111° 43,939' W | surface        |                 |
| SO314_320-1 | OBS-130       | 2025/09/17 | 08:42:12 | 14° 17,852' S | 111° 46,886' W | surface        |                 |
| SO314_321-1 | OBS-129       | 2025/09/17 | 09:37:40 | 14° 17,122' S | 111° 49,840' W | surface        |                 |
| SO314_322-1 | OBS-128       | 2025/09/17 | 10:31:56 | 14° 16,594' S | 111° 52,113' W | surface        |                 |
| SO314_323-1 | OBS-127       | 2025/09/17 | 11:30:26 | 14° 16,684' S | 111° 52,248' W | surface        |                 |
| SO314_324-1 | OBS-126       | 2025/09/17 | 12:21:18 | 14° 16,415' S | 111° 52,555' W | surface        |                 |
| SO314_325-1 | OBS-125       | 2025/09/17 | 13:04:40 | 14° 16,401' S | 111° 52,815' W | surface        |                 |
| SO314_326-1 | OBS-124       | 2025/09/17 | 13:57:07 | 14° 16,252' S | 111° 53,099' W | surface        |                 |
| SO314_328-1 | OBS-122       | 2025/09/17 | 14:37:12 | 14° 16,157' S | 111° 53,604' W | surface        |                 |
| SO314_329-1 | GC-58         | 2025/09/17 | 15:49:16 | 14° 18,231' S | 111° 45,004' W | 3.077          | KIEL0267GCH7201 |
| SO314_330-1 | GC-59         | 2025/09/17 | 18:39:23 | 14° 18,656' S | 111° 43,278' W | 3.247          | KIEL0267GCH8201 |
| SO314_331-1 | OBS-94        | 2025/09/17 | 23:39:45 | 14° 14,418' S | 112° 00,941' W | surface        |                 |
| SO314_332-1 | OBS-95        | 2025/09/17 | 23:56:50 | 14° 14,513' S | 112° 00,734' W | surface        |                 |
| SO314_333-1 | OBS-96        | 2025/09/18 | 00:18:51 | 14° 14,570' S | 112° 00,418' W | surface        |                 |
| SO314_334-1 | OBS-97        | 2025/09/18 | 00:52:41 | 14° 14,634' S | 112° 00,150' W | surface        |                 |
| SO314_335-1 | OBS-98        | 2025/09/18 | 01:06:07 | 14° 14,694' S | 111° 59,883' W | surface        |                 |
| SO314_336-1 | OBS-99        | 2025/09/18 | 01:31:29 | 14° 14,734' S | 111° 59,614' W | surface        |                 |
| SO314_337-1 | OBS-100       | 2025/09/18 | 02:02:06 | 14° 14,792' S | 111° 59,374' W | surface        |                 |
| SO314_338-1 | OBS-101       | 2025/09/18 | 02:40:31 | 14° 14,875' S | 111° 59,069' W | surface        |                 |
| SO314_339-1 | OBS-102       | 2025/09/18 | 03:21:12 | 14° 14,962' S | 111° 58,906' W | surface        |                 |
| SO314_340-1 | OBS-103       | 2025/09/18 | 04:05:18 | 14° 14,994' S | 111° 58,574' W | surface        |                 |
| SO314_341-1 | OBS-104       | 2025/09/18 | 05:12:10 | 14° 15,120' S | 111° 58,385' W | surface        |                 |
| SO314_342-1 | OBS-105       | 2025/09/18 | 06:00:42 | 14° 15,158' S | 111° 58,094' W | surface        |                 |
| SO314_343-1 | OBS-106       | 2025/09/18 | 06:55:41 | 14° 15,211' S | 111° 57,801' W | surface        |                 |
| SO314_344-1 | OBS-107       | 2025/09/18 | 07:41:58 | 14° 15,260' S | 111° 57,559' W | surface        |                 |
| SO314_345-1 | OBS-108       | 2025/09/18 | 08:22:33 | 14° 15,346' S | 111° 57,274' W | surface        |                 |
| SO314_346-1 | OBS-109       | 2025/09/18 | 09:04:58 | 14° 15,405' S | 111° 57,049' W | surface        |                 |
| SO314_347-1 | OBS-110       | 2025/09/18 | 09:46:30 | 14° 15,448' S | 111° 56,803' W | surface        |                 |
| SO314_347-2 | OBS-111       | 2025/09/18 | 10:30:06 | 14° 15,557' S | 111° 56,513' W | surface        |                 |
| SO314_348-1 | OBS-112       | 2025/09/18 | 11:23:07 | 14° 15,597' S | 111° 56,526' W | surface        |                 |
| SO314_349-1 | OBS-113       | 2025/09/18 | 12:06:07 | 14° 15,624' S | 111° 55,973' W | surface        |                 |
| SO314_350-1 | OBS-247       | 2025/09/18 | 19:36:57 | 14° 11,552' S | 112° 12,988' W | surface        |                 |
| SO314_351-1 | OBS-114       | 2025/09/18 | 22:29:36 | 14° 15,630' S | 111° 55,694' W | surface        |                 |
| SO314_351-2 | OBS-115       | 2025/09/18 | 23:13:37 | 14° 15,814' S | 111° 55,502' W | surface        |                 |
| SO314_351-3 | OBS-116       | 2025/09/18 | 23:30:57 | 14° 15,821' S | 111° 55,208' W | surface        |                 |
| SO314_352-1 | OBS-117       | 2025/09/18 | 23:56:02 | 14° 15,914' S | 111° 54,979' W | surface        |                 |
| SO314_353-1 | OBS-118       | 2025/09/19 | 00:25:52 | 14° 15,983' S | 111° 54,689' W | surface        |                 |

| Station N°  | Instrument N°     | Date       | Time     | Latitude      | Longitude      | WaterDepth (m) | IGSN            |
|-------------|-------------------|------------|----------|---------------|----------------|----------------|-----------------|
| SO314_355-1 | OBS-120           | 2025/09/19 | 01:10:43 | 14° 16,094' S | 111° 54,146' W | surface        |                 |
| SO314_356-1 | OBS-121           | 2025/09/19 | 01:51:00 | 14° 16,159' S | 111° 53,865' W | surface        |                 |
| SO314_357-1 | OBS-122           | 2025/09/19 | 04:59:31 | 14° 10,071' S | 112° 18,836' W | surface        |                 |
| SO314_358-1 | OBS-123           | 2025/09/19 | 06:02:36 | 14° 08,890' S | 112° 23,687' W | surface        |                 |
| SO314_359-1 | OBS-124           | 2025/09/19 | 06:50:08 | 14° 08,274' S | 112° 26,261' W | surface        |                 |
| SO314_360-1 | OBS-125           | 2025/09/19 | 07:36:39 | 14° 07,652' S | 112° 29,213' W | surface        |                 |
| SO314_361-1 | MUC-10            | 2025/09/19 | 08:24:13 | 14° 08,533' S | 112° 25,377' W | 2.971          | KIEL0267GCH9201 |
| SO314_362-1 | GC-60             | 2025/09/19 | 12:27:23 | 14° 10,085' S | 112° 41,935' W | 3.130          | KIEL0267GCKA201 |
| SO314_362-2 | MUC-11            | 2025/09/19 | 14:35:54 | 14° 10,081' S | 112° 41,954' W | 3.126          | KIEL0267GCKB201 |
| SO314_363-1 | GC-61             | 2025/09/19 | 17:19:23 | 14° 09,878' S | 112° 42,720' W | 3.041          | KIEL0267GCKC201 |
| SO314_364-1 | GC-62             | 2025/09/19 | 20:14:23 | 14° 09,113' S | 112° 45,959' W | 3.097          | KIEL0267GCKD201 |
| SO314_365-1 | GC-63             | 2025/09/19 | 22:57:46 | 14° 08,783' S | 112° 47,596' W | 2.973          | KIEL0267GCKE201 |
| SO314_366-1 | GC-64             | 2025/09/20 | 01:45:21 | 14° 08,419' S | 112° 48,720' W | 2.969          | KIEL0267GCKF201 |
| SO314_367-1 | GC-65             | 2025/09/20 | 04:25:10 | 14° 07,844' S | 112° 51,057' W | 2.909          | KIEL0267GCKG201 |
| SO314_368-1 | GC-66             | 2025/09/20 | 06:53:14 | 14° 07,528' S | 112° 52,298' W | 2.952          | KIEL0267GCKH201 |
| SO314_369-1 | GC-67             | 2025/09/20 | 09:52:40 | 14° 07,209' S | 112° 53,626' W | 2.953          | KIEL0267GCKK201 |
| SO314_370-1 | GC-68             | 2025/09/20 | 13:38:09 | 14° 03,488' S | 113° 08,705' W | 3.105          | KIEL0267GCKM201 |
| SO314_371-1 | MUC-12            | 2025/09/20 | 17:27:43 | 14° 04,167' S | 113° 05,973' W | 3.022          | KIEL0267GCKN201 |
| SO314_371-2 | GC-69             | 2025/09/20 | 19:43:48 | 14° 04,165' S | 113° 05,974' W | 3.023          | KIEL0267GCKP201 |
| SO314_372-1 | GC-70             | 2025/09/20 | 23:01:48 | 14° 05,509' S | 113° 00,618' W | 2.937          | KIEL0267GCKQ201 |
| SO314_373-1 | GC-71             | 2025/09/21 | 01:54:41 | 14° 06,546' S | 112° 56,311' W | 2.985          | KIEL0267GCKR201 |
| SO314_374-1 | MAG profile start | 2025/09/21 | 05:06:47 | 14° 09,381' S | 113° 03,202' W | 2.929          |                 |
| SO314_374-1 | MAG profile end   | 2025/09/21 | 11:09:36 | 14° 19,441' S | 112° 40,969' W | 3.002          |                 |
| SO314_375-1 | OFOS-01           | 2025/09/21 | 15:09:49 | 14° 07,480' S | 112° 31,066' W | 2.629          |                 |
| SO314_376-1 | DR-02             | 2025/09/21 | 22:42:54 | 14° 09,950' S | 112° 26,976' W | 3.017          | KIEL0267GEKS201 |
| SO314_377-1 | DR-03             | 2025/09/22 | 02:45:07 | 14° 07,567' S | 112° 36,017' W | 2.925          | KIEL0267GEKT201 |
| SO314_378-1 | DR-04             | 2025/09/22 | 06:36:12 | 14° 07,786' S | 112° 46,154' W | 2.993          | KIEL0267GEKU201 |
| SO314_379-1 | DR-05             | 2025/09/22 | 10:15:34 | 14° 07,103' S | 112° 51,452' W | 2.765          | KIEL0267GEKV201 |
| SO314_381-1 | DR-07             | 2025/09/22 | 17:24:34 | 14° 02,065' S | 112° 58,636' W | 2.759          | KIEL0267GEKW201 |
| SO314_382-1 | MAG profile start | 2025/09/22 | 21:46:53 | 14° 09,755' S | 113° 02,284' W | 2.935          |                 |
| SO314_382-1 | MAG profile end   | 2025/09/23 | 21:23:20 | 14° 35,149' S | 111° 54,297' W | 3.146          |                 |
| SO314_383-1 | GC-72             | 2025/09/24 | 01:00:07 | 14° 11,972' S | 112° 11,049' W | 3.054          | KIEL0267GCKX201 |
| SO314_384-1 | GC-73             | 2025/09/24 | 03:35:52 | 14° 12,302' S | 112° 09,679' W | 3.055          | KIEL0267GCKZ201 |
| SO314_385-1 | GC-74             | 2025/09/24 | 06:03:09 | 14° 12,510' S | 112° 08,794' W | 3.027          | KIEL0267GCK2201 |
| SO314_386-1 | GC-75             | 2025/09/24 | 08:52:05 | 14° 13,771' S | 112° 03,594' W | 3.093          | KIEL0267GCK3201 |
| SO314_387-1 | GC-76             | 2025/09/24 | 11:38:38 | 14° 14,050' S | 112° 02,369' W | 3.108          | KIEL0267GCK4201 |
| SO314_388-1 | GC-77             | 2025/09/24 | 15:30:44 | 14° 17,115' S | 111° 49,770' W | 3.184          | KIEL0267GCK5201 |
| SO314_389-1 | ARGO-Float 02     | 2025/09/25 | 15:47:33 | 16° 01,545' S | 108° 07,466' W | 3.377          |                 |

| Station N°  | Instrument N° | Date       | Time     | Latitude      | Longitude      | WaterDepth (m) | IGSN |
|-------------|---------------|------------|----------|---------------|----------------|----------------|------|
| SO314_390-1 | ARGO-Float 03 | 2025/09/26 | 23:20:04 | 17° 54,627' S | 102° 34,911' W | 4.130          |      |
| SO314_391-1 | ARGO-Float 04 | 2025/09/28 | 20:01:31 | 20° 08,240' S | 094° 03,314' W | 3.561          |      |
| SO314_392-1 | ARGO-Float 05 | 2025/09/29 | 19:38:40 | 21° 33,729' S | 089° 52,355' W | 4.832          |      |