

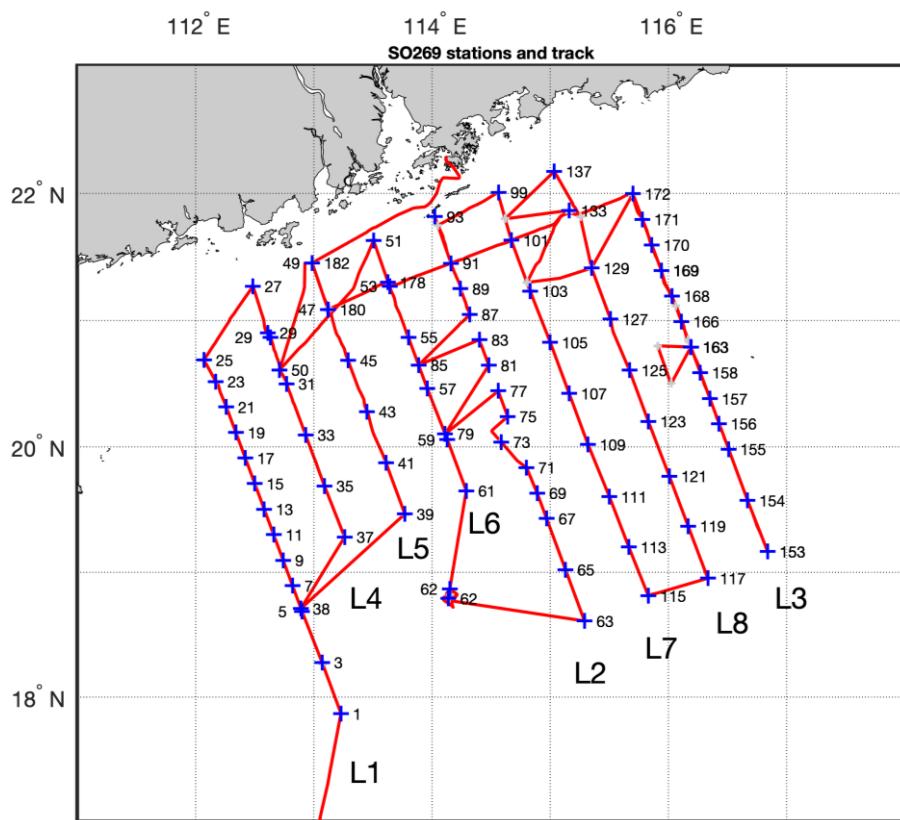
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## Short Cruise Report RV SONNE SO269

**Singapore – Hong Kong**  
**02.08.2019 – 03.09.2019**

**Chief Scientist: Joanna Waniek**  
**Captain: Oliver Meyer**



## **Objectives**

The cruise SO269 aimed to study the marine environmental conditions in an area spanning from the northern shelf of the South China Sea towards the deep sea, to enhance our understanding of the effects of growing anthropogenic pressure in a highly dynamic marine ecosystem.

This region is an excellent example of a subtropical adjacent sea and a natural laboratory to study the exchange processes between the land and the ocean (Pearl River), the variability of physical forcing (monsoon, circulation), the drastically increasing anthropogenic stress due to eutrophication, organic contaminants, microplastic, antibiotics following the development of a Megacity within the area Guangzhou-Hong Kong.

Our results will help to quantify the marine element cycles (Nitrogen, Phosphorus and Carbon), allow the quantification and distribution of anthropogenic contamination as well as the degree of time-space variability of natural oceanic processes.

The cruise contributed to the Sino-German MEGAPOL project *Megacity's fingerprint in Chinese marginal seas: Investigation of pollutant fingerprints and dispersal*, which is conducted within the scientific-technological cooperation's with China (WTZ China).

The major objective of the SO269 cruise was to recognize and to trace the chemical and biogeochemical imprints of the rapid development in the Pearl River Estuary-South China Sea continuum by addressing the following questions:

- 1: Which physical processes are responsible for the observed pattern of natural and anthropogenic substances in the water column and sediments of the Pearl River Estuary-South China Sea continuum?
- 2: What are the extents of biogeochemical halos of megacities, anthropogenic pollutants and distribution of bio-indicators in water column and sediments in the study area, and what is the role of sediments here for mitigation of pollutants by sedimentation and/or neutralization?
- 3: Do different climatic settings, catchment geology, land-use and industrial activities impart regionally specific patterns on materials delivered to and deposited within Pearl River Estuary-South China Sea continuum?

## Narrative

The final preparations for the SO269 cruise were carried out on board of the RV SONNE in the harbor of Singapore on 31st of July with uploading of the four containers. The entire scientific party from both participating countries Germany and China embarked in the morning of 1st of August and continued with setting up the laboratories and preparation of the instruments for the cruise. On 2<sup>nd</sup> of August at 9:00 am (LT) RV SONNE sailed from Singapore towards our working area close to the Pearl River Estuary within the South China Sea.

In the morning hours of 6<sup>th</sup> of August the vessel reached the working area and the work started at station SO269-01 with hydrographic measurements followed by geological sampling (Fig. 1). Over the next two days hydrographic and geological sampling continued along the transect L1. Transect L4 with 6 combined hydrographic and geological stations was finalized on 9.08.2019, and the work continued along transect L5 until 11.08.2019. We continued the investigations using CTD rosette, multi corer (MUC), gravity corer (GC), multi closing net (MSN) as well as in situ pumps until the morning of 14<sup>th</sup> of August along transect L6. Due to relatively high waves the deployment of the mooring was postponed to the afternoon of 14.08.2019. At 4 pm (LT) the mooring containing a 42 cup sediment trap, a nitrate sensor, and two current meters of which one is combined with CTD and fluorometer, double releaser unit, top buoyancy and 24 buoyancy spheres was successfully deployed for a period of two years. Using hydro-acoustics and ranging the final position of the mooring was estimated to be 18°47.273N, 114°7.573E (Fig. 2).

Our work on the central transect, L2, started in the morning of 15<sup>th</sup> of August, again combining hydrographic measurements and geological sampling, which finished at 18<sup>th</sup> of August. Unfortunately, on 16<sup>th</sup> of August we lost the microstructure profiler during the work at station SO269-73. Combination of relatively strong currents and waves caused the rip of the rope and the loss of the instrument. Until then we had conducted microstructure measurements at 12 locations, with 4 profiles on average. Our first 25 h station close to the Pearl River Estuary within the plume started on 19<sup>th</sup> of August, before we continued our survey along transects L7 and L8. The prevailing favorable weather and see conditions made our work advancing well and allowed us to add additional stations in the deep part of the line L7 and L8. In total 6 deep stations were added, as we were curious to see the extension of the minimum oxygen zone (Fig. 1). Combined hydrographic and geological work continued from 25<sup>th</sup> of August until the end of the cruise by occupying stations along transect L3, and by including another 25 h station close to the coast.

Additionally, over the entire cruise currents in the upper water column if possible down to 700 m were registered using 38 kHz Acoustic Doppler Current Profiler (ADCP). Sea surface salinity, temperature, chlorophyll a fluorescence and turbidity were measured and registered by the ships own thermosalinograph system as well as registration of the prevailing weather conditions (irradiance, wind, humidity, air pressure and air temperature) took place. Along all sections hydro-acoustic measurements were carried out using ship mounted multi beam and Parasound devices.

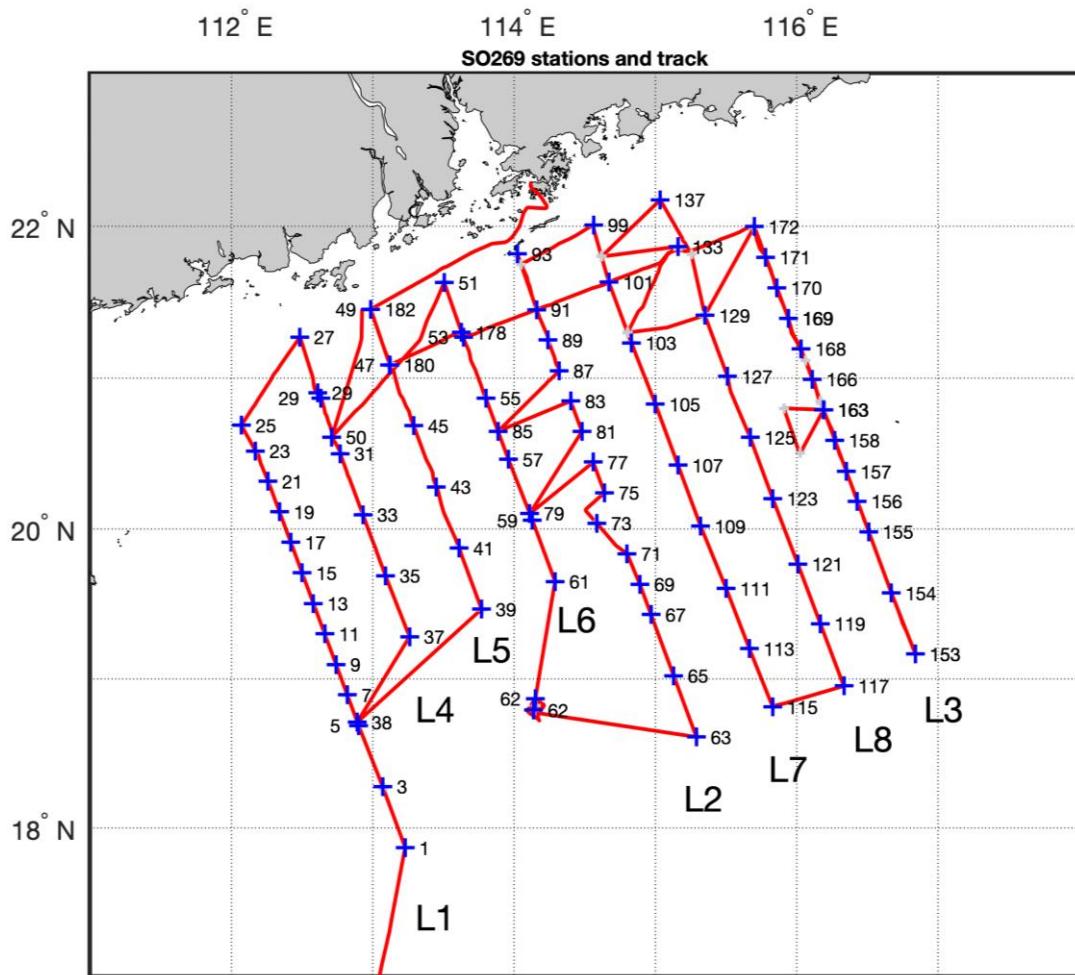


Fig. 1 Cruise track and occupied stations of the SO269 cruise. Crosses and given numbers indicate the hydrographical/geological stations along the sections L1 to L8. Acoustic registrations hold the numbers which are not displayed. For details see station log in the appendix.

In the evening (6 pm LT) of the 2<sup>nd</sup> August the scientific work finished in vicinity of Hong Kong and SONNE sailed at reduced speed to the harbor of Hong Kong. At 9 am of 3<sup>rd</sup> of September RV SONNE reached the pier in Hong Kong and the cruise SO269 terminated. The scientific party started to dismantle the laboratories and packing the equipment into the containers. In the evening all four containers were ready to be shipped home. After

cleaning the laboratories the scientific party disembarked at 1 pm LT to the hotel, before heading home on 6<sup>th</sup> of September.

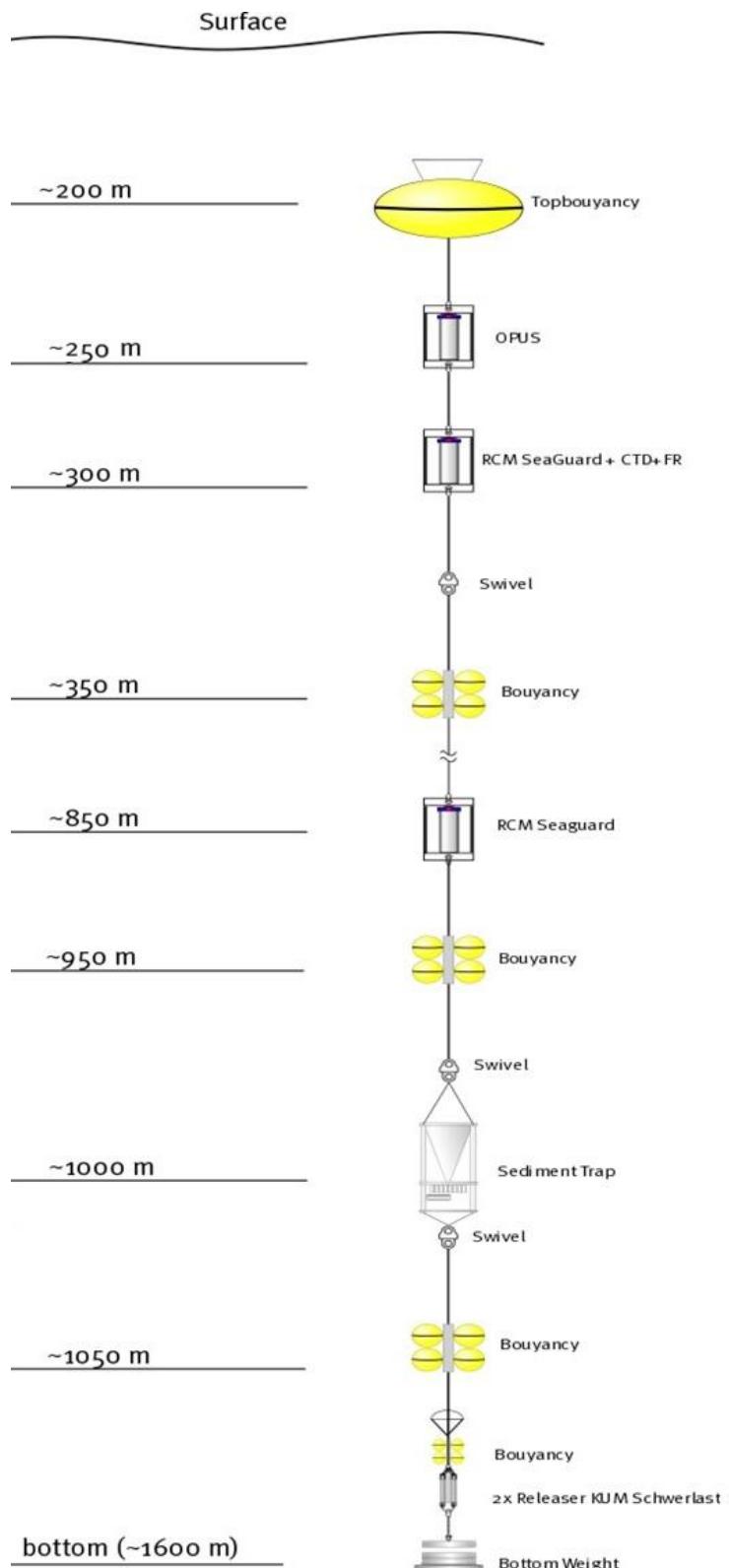


Fig. 2 Design of the mooring.

## **Acknowledgements**

At this point we kindly acknowledge the financial support for the involved project at the German and Chinese side. The chief scientist received funding for the cruise SO269 (*SOCLIS - South China Sea-natural laboratory under climatic and human induced stress*) from BMBF under the contract number (FKZ 03G0269). The cruise is a contribution to the bilateral project MEGAPOI (*Megacity's fingerprint in Chinese marginal seas: Investigation of pollutant fingerprints and dispersal*), which is relevant to the programs *Forschung für die Nachhaltigkeit* (FONA) and *System Erde* as well as *MARE: N* of the German government (contract 03F0786A). The finances for the mooring TRAN (*Temporal pattern of anthropogenic and natural particles at the slope of South China Sea*) were obtained under the contract (FKZ 01DO17038). We own our thanks as well to the Chinese authorities, which supported our activities by giving us work permission for studies within Chinese territorial waters. Finally we thank the captain and the crew of RV SONNE for their continuous support during the cruise.

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## Stations log SO269

**Abbreviations:** CTD-Conductivity, temperature, depth rosette; MUC-multi corer; GC-gravity corer; ADCP-acoustic Doppler current profiler; MSN- multi closing net; PUMP-P-CTD (Pump-CTD); MSS-microstructure profiler; PLA-plankton net

Station - Device Operation	date time	Device Code	Action	Course	Speed (km)	Depth (m)	Latitude	Longitude	Wind Dir	Wind Speed (m/s)
SO269_1-1	05.08.2019 22:00	CTD	station start	208.1	0.2	1894	17° 52.016' N	113° 13.734' E	352.1	5.4
SO269_1-1	05.08.2019 22:07	CTD	in the water	200.9	0.2	1892	17° 52.031' N	113° 13.741' E	355.2	5.8
SO269_1-1	05.08.2019 22:53	CTD	max depth/on ground	85.0	0.3	1892	17° 52.030' N	113° 13.746' E	7.8	4.9
SO269_1-1	05.08.2019 22:54	CTD	hoisting	120.8	0.1	1892	17° 52.028' N	113° 13.746' E	9.0	4.8
SO269_1-1	05.08.2019 23:48	CTD	on deck	58.1	0.1	1892	17° 52.033' N	113° 13.744' E	326.6	5.9
SO269_1-1	05.08.2019 23:52	CTD	station end	223.3	0.2	1893	17° 52.031' N	113° 13.746' E	330.3	5.4
SO269_1-2	05.08.2019 23:57	MUC	station start	252.6	0.5	1896	17° 52.031' N	113° 13.743' E	330.3	5.7
SO269_1-2	05.08.2019 23:59	MUC	in the water	89.5	0.4	1891	17° 52.030' N	113° 13.742' E	335.0	4.9
SO269_1-2	06.08.2019 00:41	MUC	max depth/on ground	88.7	0.4	1891	17° 52.031' N	113° 13.747' E	317.0	5.4
SO269_1-2	06.08.2019 00:42	MUC	hoisting	280.9	0.2	1895	17° 52.030' N	113° 13.749' E	313.3	5.2
SO269_1-2	06.08.2019 01:27	MUC	on deck	212.7	0.3	1892	17° 52.035' N	113° 13.743' E	20.6	5.1
SO269_1-2	06.08.2019 01:35	MUC	station end	68.9	0.2	1896	17° 52.031' N	113° 13.741' E	335.2	7.1
SO269_1-3	06.08.2019 01:36	GC	station start	105.7	0.2	1893	17° 52.031' N	113° 13.742' E	325.5	8.2
SO269_1-3	06.08.2019 01:39	GC	in the water	60.3	0.2	1895	17° 52.032' N	113° 13.749' E	305.3	7.4
SO269_1-3	06.08.2019 02:14	GC	max depth/on ground	202.3	0.1	1897	17° 52.033' N	113° 13.749' E	231.5	3.0
SO269_1-3	06.08.2019 02:20	GC	hoisting	249.5	0.3	1893	17° 52.031' N	113° 13.749' E	230.6	5.9
SO269_1-3	06.08.2019 03:05	GC	on deck	85.4	0.3	1899	17° 52.027' N	113° 13.746' E	333.5	6.9
SO269_1-3	06.08.2019 03:06	GC	station end	212.3	0.2	1896	17° 52.027' N	113° 13.746' E	343.2	7.6
SO269_2-1	06.08.2019 03:19	ADCP	station start	66.2	0.0	1893	17° 52.027' N	113° 13.744' E	342.9	8.4
SO269_2-1	06.08.2019 07:10	ADCP	station end	291.4	0.1	2446	18° 16.704' N	113° 04.213' E	335.3	9.5
SO269_3-1	06.08.2019 07:10	CTD	station start	276.8	0.0	2448	18° 16.704' N	113° 04.213' E	335.5	9.7
SO269_3-1	06.08.2019 07:12	CTD	in the water	271.1	0.2	2448	18° 16.705' N	113° 04.210' E	333.9	8.1
SO269_3-1	06.08.2019 08:02	CTD	max depth/on ground	59.4	0.1	2450	18° 16.682' N	113° 04.203' E	331.1	9.5
SO269_3-1	06.08.2019 08:04	CTD	hoisting	287.0	0.0	2446	18° 16.683' N	113° 04.205' E	334.4	9.4

SO269_3-1	06.08.2019 09:01	CTD	on deck	28.2	0.2	2443	18° 16.681' N	113° 04.195' E	333.3	10.9
SO269_3-1	06.08.2019 09:06	CTD	station end	64.9	0.2	2453	18° 16.678' N	113° 04.198' E	338.0	10.2
SO269_3-2	06.08.2019 09:07	MSN	station start	220.8	0.0	2449	18° 16.677' N	113° 04.199' E	338.9	10.3
SO269_3-2	06.08.2019 09:12	MSN	in the water	268.1	0.1	2449	18° 16.680' N	113° 04.198' E	333.2	10.8
SO269_3-2	06.08.2019 09:14	MSN	hoisting	39.4	0.2	2443	18° 16.681' N	113° 04.199' E	340.7	10.2
SO269_3-2	06.08.2019 09:20	MSN	in the water	39.9	0.1	2445	18° 16.680' N	113° 04.195' E	333.9	8.5
SO269_3-2	06.08.2019 09:25	MSN	max depth/on ground	41.2	0.1	2444	18° 16.684' N	113° 04.195' E	339.5	8.2
SO269_3-2	06.08.2019 09:26	MSN	hoisting	347.7	0.0	2442	18° 16.684' N	113° 04.195' E	334.0	9.3
SO269_3-2	06.08.2019 09:34	MSN	on deck	265.3	0.1	2444	18° 16.685' N	113° 04.201' E	347.8	8.5
SO269_3-2	06.08.2019 09:35	MSN	station end	140.5	0.2	2443	18° 16.684' N	113° 04.201' E	346.4	9.2
SO269_3-3	06.08.2019 09:35	MSN	station start	43.3	0.1	2445	18° 16.684' N	113° 04.200' E	336.4	8.5
SO269_3-3	06.08.2019 09:42	MSN	in the water	81.0	0.3	2446	18° 16.678' N	113° 04.195' E	337.2	8.5
SO269_3-3	06.08.2019 10:08	MSN	max depth/on ground	181.8	0.1	2452	18° 16.683' N	113° 04.205' E	347.9	9.9
SO269_3-3	06.08.2019 10:10	MSN	hoisting	248.0	0.4	2454	18° 16.682' N	113° 04.203' E	346.3	9.6
SO269_3-3	06.08.2019 10:36	MSN	on deck	255.1	0.1	2446	18° 16.683' N	113° 04.194' E	358.9	9.4
SO269_3-3	06.08.2019 10:37	MSN	station end	199.8	0.2	2443	18° 16.682' N	113° 04.193' E	357.2	8.5
SO269_4-1	06.08.2019 10:58	ADCP	profile start	340.7	7.5	2456	18° 15.886' N	113° 04.483' E	359.6	7.2
SO269_4-1	06.08.2019 14:30	ADCP	profile end	38.1	0.4	949	18° 41.238' N	112° 53.922' E	13.05	8.1
SO269_5-1	06.08.2019 14:38	CTD	station start	70.1	0.3	951	18° 41.228' N	112° 53.935' E	356.3	7.2
SO269_5-1	06.08.2019 14:40	CTD	in the water	86.6	0.3	958	18° 41.232' N	112° 53.942' E	358.3	7.7
SO269_5-1	06.08.2019 15:12	CTD	max depth/on ground	233.8	0.3	952	18° 41.280' N	112° 53.996' E	8.01	7.6
SO269_5-1	06.08.2019 15:13	CTD	hoisting	143.0	0.1	952	18° 41.278' N	112° 53.994' E	3.08	7.7
SO269_5-1	06.08.2019 15:54	CTD	on deck	340.2	0.2	953	18° 41.283' N	112° 53.997' E	15.8	6.4
SO269_5-1	06.08.2019 15:54	CTD	station end	284.3	0.1	952	18° 41.282' N	112° 53.996' E	14.3	6.3
SO269_5-2	06.08.2019 15:59	MSS	station start	305.7	0.2	953	18° 41.284' N	112° 53.995' E	13.4	7.1
SO269_5-2	06.08.2019 16:00	MSS	in the water	165.1	0.1	952	18° 41.285' N	112° 53.995' E	11.5	7.2
SO269_5-2	06.08.2019 16:23	MSS	on deck	301.3	0.2	965	18° 41.299' N	112° 53.962' E	22.1	6.5
SO269_5-2	06.08.2019 16:23	MSS	station end	282.3	0.2	949	18° 41.299' N	112° 53.961' E	19.7	6.7
SO269_5-3	06.08.2019 16:24	MSS	station start	279.8	0.0	949	18° 41.299' N	112° 53.959' E	18.4	6.2
SO269_5-3	06.08.2019 16:25	MSS	in the water	78.3	0.2	949	18° 41.299' N	112° 53.959' E	21.6	7.3

SO269_5-3	06.08.2019 16:47	MSS	at surface	26.1	0.2	949	18° 41.302' N	112° 53.960' E	23.4	7.0
SO269_5-3	06.08.2019 16:48	MSS	station end	24.1	0.3	948	18° 41.303' N	112° 53.960' E	24.1	6.7
SO269_5-4	06.08.2019 16:48	MSS	station start	43.4	0.2	950	18° 41.305' N	112° 53.961' E	24.1	6.6
SO269_5-4	06.08.2019 16:49	MSS	lowering	28.3	0.3	948	18° 41.306' N	112° 53.962' E	24.9	6.8
SO269_5-4	06.08.2019 17:07	MSS	on deck	51.0	0.3	947	18° 41.360' N	112° 53.990' E	17.1	6.2
SO269_5-4	06.08.2019 17:07	MSS	station end	1.8	0.2	948	18° 41.362' N	112° 53.991' E	15.8	5.8
SO269_6-1	06.08.2019 17:24	ADCP	station start	334.7	6.6	966	18° 40.971' N	112° 54.134' E	15.6	6.4
SO269_6-1	06.08.2019 19:10	ADCP	station end	306.5	0.5	447	18° 53.582' N	112° 49.192' E	11.9	4.9
SO269_7-1	06.08.2019 19:12	CTD	station start	141.7	0.2	445	18° 53.576' N	112° 49.191' E	10.3	4.8
SO269_7-1	06.08.2019 19:13	CTD	in the water	138.6	0.3	446	18° 53.575' N	112° 49.191' E	13.7	5.0
SO269_7-1	06.08.2019 19:29	CTD	max depth/on ground	211.9	0.1	447	18° 53.521' N	112° 49.200' E	8.5	5.2
SO269_7-1	06.08.2019 19:50	CTD	on deck	205.7	0.2	447	18° 53.521' N	112° 49.208' E	0.8	3.8
SO269_7-1	06.08.2019 19:54	CTD	station end	292.7	0.2	447	18° 53.523' N	112° 49.193' E	9.3	4.5
SO269_8-1	06.08.2019 20:06	ADCP	profile start	332.7	7.2	454	18° 53.228' N	112° 49.284' E	351.3	4.6
SO269_8-1	06.08.2019 21:49	ADCP	profile end	339.6	2.4	277	19° 05.777' N	112° 44.399' E	356.2	6.9
SO269_9-1	06.08.2019 21:51	CTD	station start	318.8	0.2	287	19° 05.803' N	112° 44.379' E	351.0	7.1
SO269_9-1	06.08.2019 21:55	CTD	in the water	32.8	0.3	277	19° 05.810' N	112° 44.386' E	350.2	6.4
SO269_9-1	06.08.2019 22:12	CTD	max depth/on ground	211.4	0.1	287	19° 05.821' N	112° 44.404' E	350.1	5.9
SO269_9-1	06.08.2019 22:13	CTD	hoisting	326.1	0.1	276	19° 05.822' N	112° 44.404' E	352.5	6.1
SO269_9-1	06.08.2019 22:29	CTD	on deck	309.9	0.2	287	19° 05.819' N	112° 44.403' E	356.6	6.4
SO269_9-1	06.08.2019 22:34	CTD	station end	196.0	0.0	287	19° 05.823' N	112° 44.400' E	356.4	5.9
SO269_9-2	06.08.2019 22:35	MSS	station start	222.1	0.0	277	19° 05.824' N	112° 44.401' E	359.6	5.8
SO269_9-2	06.08.2019 22:39	MSS	in the water	73.0	0.4	287	19° 05.825' N	112° 44.401' E	357.2	5.9
SO269_9-2	06.08.2019 22:45	MSS	max depth/on ground	197.5	0.1	276	19° 05.825' N	112° 44.397' E	350.9	5.7
SO269_9-2	06.08.2019 22:48	MSS	at surface	273.5	0.3	287	19° 05.822' N	112° 44.395' E	354.3	6.5
SO269_9-2	06.08.2019 22:51	MSS	max depth/on ground	139.7	0.1	286	19° 05.823' N	112° 44.394' E	357.2	6.2
SO269_9-2	06.08.2019 22:55	MSS	at surface	76.5	0.3	287	19° 05.825' N	112° 44.396' E	359.5	6.3
SO269_9-2	06.08.2019 22:59	MSS	max depth/on ground	112.4	0.1	286	19° 05.827' N	112° 44.399' E	353.3	6.6
SO269_9-2	06.08.2019 23:03	MSS	on deck	335.7	0.1	287	19° 05.823' N	112° 44.406' E	355.7	6.4
SO269_9-2	06.08.2019 23:04	MSS	station end	353.1	0.7	286	19° 05.824' N	112° 44.406' E	344.4	5.8

SO269_10-1	06.08.2019 23:17	ADCP	profile start	340.0	7.2	281	19° 05.528' N	112° 44.530' E	345.6	6.2
SO269_10-1	07.08.2019 01:04	ADCP	profile end	198.6	0.6	215	19° 18.081' N	112° 39.603' E	0.8	5.7
SO269_11-1	07.08.2019 01:06	CTD	station start	111.7	0.3	213	19° 18.073' N	112° 39.603' E	8.7	6.1
SO269_11-1	07.08.2019 01:08	CTD	in the water	219.4	0.4	216	19° 18.067' N	112° 39.602' E	358.7	6.6
SO269_11-1	07.08.2019 01:29	CTD	max depth/on ground	250.2	0.2	205	19° 18.061' N	112° 39.599' E	359.6	6.1
SO269_11-1	07.08.2019 01:29	CTD	hoisting	234.8	0.1	213	19° 18.061' N	112° 39.598' E	359.9	6.0
SO269_11-1	07.08.2019 01:52	CTD	on deck	187.6	0.3	215	19° 18.058' N	112° 39.593' E	5.7	5.8
SO269_11-1	07.08.2019 01:52	CTD	station end	227.5	0.2	216	19° 18.059' N	112° 39.593' E	8.3	6.0
SO269_11-2	07.08.2019 01:58	MSS	station start	136.4	0.1	216	19° 18.065' N	112° 39.591' E	356.6	6.7
SO269_11-2	07.08.2019 01:59	MSS	in the water	96.8	0.5	216	19° 18.064' N	112° 39.592' E	355.1	7.2
SO269_11-2	07.08.2019 02:04	MSS	max depth/on ground	267.5	0.4	216	19° 18.062' N	112° 39.596' E	355.4	7.1
SO269_11-2	07.08.2019 02:13	MSS	at surface	76.5	0.6	205	19° 18.061' N	112° 39.599' E	356.3	7.8
SO269_11-2	07.08.2019 02:16	MSS	max depth/on ground	346.7	0.3	215	19° 18.063' N	112° 39.601' E	349.7	7.1
SO269_11-2	07.08.2019 02:23	MSS	at surface	329.5	0.1	216	19° 18.057' N	112° 39.598' E	355.8	7.4
SO269_11-2	07.08.2019 02:26	MSS	max depth/on ground	294.9	0.2	216	19° 18.059' N	112° 39.600' E	358.2	7.6
SO269_11-2	07.08.2019 02:33	MSS	on deck	283.7	0.2	205	19° 18.065' N	112° 39.595' E	352.2	6.7
SO269_11-2	07.08.2019 02:37	MSS	station end	236.4	0.4	205	19° 18.061' N	112° 39.594' E	357.4	6.0
SO269_12-1	07.08.2019 02:51	ADCP	profile start	200.7	7.0	206	19° 18.012' N	112° 39.893' E	338.3	5.7
SO269_12-1	07.08.2019 04:38	ADCP	profile end	35.7	0.9	171	19° 30.225' N	112° 34.811' E	5.3	6.7
SO269_13-1	07.08.2019 04:39	CTD	station start	267.1	0.2	180	19° 30.231' N	112° 34.814' E	8.9	7.5
SO269_13-1	07.08.2019 04:41	CTD	in the water	234.8	0.2	168	19° 30.229' N	112° 34.812' E	10.0	6.0
SO269_13-1	07.08.2019 04:52	CTD	max depth/on ground	299.7	0.4	179	19° 30.229' N	112° 34.813' E	359.5	7.9
SO269_13-1	07.08.2019 05:07	CTD	on deck	347.1	0.1	169	19° 30.220' N	112° 34.813' E	1.7	7.2
SO269_13-1	07.08.2019 05:09	CTD	station end	163.4	0.1	180	19° 30.223' N	112° 34.814' E	9.1	6.4
SO269_13-2	07.08.2019 05:14	MSS	station start	243.7	0.1	169	19° 30.221' N	112° 34.808' E	3.6	9.4
SO269_13-2	07.08.2019 05:14	MSS	in the water	82.0	0.2	169	19° 30.221' N	112° 34.808' E	3.9	9.5
SO269_13-2	07.08.2019 05:19	MSS	max depth/on ground	16.2	0.3	169	19° 30.224' N	112° 34.815' E	358.1	7.9
SO269_13-2	07.08.2019 05:25	MSS	at surface	187.2	0.1	180	19° 30.223' N	112° 34.809' E	3.9	9.5
SO269_13-2	07.08.2019 05:26	MSS	max depth/on ground	110.7	0.2	180	19° 30.222' N	112° 34.811' E	8.9	10.6
SO269_13-2	07.08.2019 05:33	MSS	at surface	41.6	0.1	180	19° 30.222' N	112° 34.815' E	352.2	9.2

SO269_13-2	07.08.2019 05:36	MSS	max depth/on ground	267.5	0.2	178	19° 30.227' N	112° 34.816' E	341.1	9.6
SO269_13-2	07.08.2019 05:41	MSS	at surface	10.7	0.1	179	19° 30.225' N	112° 34.819' E	336.0	8.7
SO269_13-2	07.08.2019 05:44	MSS	max depth/on ground	315.1	0.2	179	19° 30.230' N	112° 34.815' E	338.4	8.5
SO269_13-2	07.08.2019 05:50	MSS	on deck	240.5	0.2	178	19° 30.225' N	112° 34.819' E	330.7	8.1
SO269_13-2	07.08.2019 05:54	MSS	station end	339.8	0.0	179	19° 30.230' N	112° 34.815' E	326.3	7.4
SO269_14-1	07.08.2019 06:10	ADCP	station start	340.9	5.8	170	19° 30.093' N	112° 34.871' E	327.4	5.6
SO269_14-1	07.08.2019 07:54	ADCP	station end	348.0	1.9	130	19° 42.448' N	112° 29.965' E	21.8	7.7
SO269_15-1	07.08.2019 07:56	CTD	station start	316.7	0.5	132	19° 42.473' N	112° 29.956' E	24.2	5.6
SO269_15-1	07.08.2019 07:58	CTD	in the water	220.0	0.4	129	19° 42.472' N	112° 29.950' E	16.8	7.2
SO269_15-1	07.08.2019 08:08	CTD	max depth/on ground	341.5	0.2	140	19° 42.471' N	112° 29.956' E	17.1	7.4
SO269_15-1	07.08.2019 08:09	CTD	hoisting	329.6	0.0	140	19° 42.472' N	112° 29.956' E	13.1	7.8
SO269_15-1	07.08.2019 08:20	CTD	on deck	269.3	0.2	140	19° 42.469' N	112° 29.958' E	14.2	6.7
SO269_15-1	07.08.2019 08:22	CTD	station end	83.1	0.0	129	19° 42.470' N	112° 29.954' E	10.9	7.6
SO269_16-1	07.08.2019 08:36	ADCP	profile start	345.3	7.4	142	19° 42.195' N	112° 30.096' E	29.0	8.0
SO269_16-1	07.08.2019 10:18	ADCP	profile end	8.3	3.6	98	19° 54.618' N	112° 25.200' E	45.5	5.7
SO269_17-1	07.08.2019 10:20	CTD	station start	109.7	0.3	109	19° 54.688' N	112° 25.229' E	32.7	5.2
SO269_17-1	07.08.2019 10:22	CTD	in the water	315.8	0.1	109	19° 54.685' N	112° 25.232' E	41.1	4.6
SO269_17-1	07.08.2019 10:32	CTD	max depth/on ground	204.3	0.1	109	19° 54.684' N	112° 25.230' E	42.4	4.9
SO269_17-1	07.08.2019 10:33	CTD	hoisting	46.8	0.2	99	19° 54.684' N	112° 25.231' E	45.6	5.0
SO269_17-1	07.08.2019 10:44	CTD	on deck	331.7	0.0	99	19° 54.680' N	112° 25.225' E	43.2	6.1
SO269_17-1	07.08.2019 10:47	CTD	station end	221.0	0.2	109	19° 54.680' N	112° 25.224' E	45.2	6.4
SO269_18-1	07.08.2019 10:58	ADCP	profile start	341.0	7.4	99	19° 54.442' N	112° 25.297' E	46.8	7.1
SO269_18-1	07.08.2019 12:42	ADCP	profile end	145.0	0.3	90	20° 06.883' N	112° 20.374' E	79.3	4.7
SO269_19-1	07.08.2019 12:43	CTD	station start	148.5	0.3	90	20° 06.882' N	112° 20.374' E	74.7	4.7
SO269_19-1	07.08.2019 12:48	CTD	in the water	125.9	0.4	90	20° 06.866' N	112° 20.385' E	76.0	3.8
SO269_19-1	07.08.2019 12:58	CTD	max depth/on ground	166.3	0.1	90	20° 06.868' N	112° 20.385' E	74.8	3.6
SO269_19-1	07.08.2019 12:59	CTD	hoisting	178.1	0.3	90	20° 06.867' N	112° 20.384' E	68.1	3.4
SO269_19-1	07.08.2019 13:14	CTD	on deck	82.7	0.3	90	20° 06.866' N	112° 20.380' E	39.1	3.4
SO269_19-1	07.08.2019 13:15	CTD	station end	255.2	0.6	90	20° 06.866' N	112° 20.379' E	45.0	2.8
SO269_20-1	07.08.2019 13:31	ADCP	profile start	13.4	8.1	91	20° 06.627' N	112° 20.399' E	47.0	2.4

SO269_20-1	07.08.2019 15:20	ADCP	profile end	256.3	0.4	86	20° 18.998' N	112° 15.569' E	68.0	1.4
SO269_21-1	07.08.2019 15:22	CTD	station start	44.8	0.1	79	20° 18.997' N	112° 15.570' E	75.3	1.7
SO269_21-1	07.08.2019 15:24	CTD	in the water	141.6	0.1	80	20° 18.996' N	112° 15.569' E	77.8	1.6
SO269_21-1	07.08.2019 15:33	CTD	max depth/on ground	61.6	0.1	79	20° 19.003' N	112° 15.575' E	84.3	1.9
SO269_21-1	07.08.2019 15:37	CTD	hoisting	42.7	0.2	79	20° 19.010' N	112° 15.584' E	90.1	2.3
SO269_21-1	07.08.2019 15:55	CTD	on deck	38.2	0.1	79	20° 19.026' N	112° 15.603' E	94.2	2.1
SO269_21-1	07.08.2019 15:58	CTD	station end	188.9	0.2	79	20° 19.025' N	112° 15.604' E	112.0	2.3
SO269_22-1	07.08.2019 16:17	ADCP	profile start	345.6	5.1	79	20° 18.862' N	112° 15.628' E	100.1	2.0
SO269_22-1	07.08.2019 17:58	ADCP	station end	330.5	3.8	71	20° 30.925' N	112° 10.248' E	268.1	0.5
SO269_23-1	07.08.2019 18:03	CTD	station start	28.5	0.5	71	20° 31.076' N	112° 10.187' E	329.2	0.4
SO269_23-1	07.08.2019 18:07	CTD	in the water	43.6	0.6	71	20° 31.103' N	112° 10.194' E	39.8	0.3
SO269_23-1	07.08.2019 18:15	CTD	max depth/on ground	154.8	0.6	72	20° 31.141' N	112° 10.201' E	122.5	0.5
SO269_23-1	07.08.2019 18:24	CTD	on deck	309.4	0.3	72	20° 31.140' N	112° 10.195' E	164.9	0.3
SO269_23-1	07.08.2019 18:26	CTD	station end	57.5	0.3	72	20° 31.143' N	112° 10.197' E	299.3	0.2
SO269_24-1	07.08.2019 18:38	ADCP	station start	337.0	7.2	72	20° 30.837' N	112° 10.333' E	295.4	1.3
SO269_24-1	07.08.2019 20:12	ADCP	profile end	2.7	2.4	60	20° 41.301' N	112° 04.149' E	288.8	2.4
SO269_25-1	07.08.2019 20:15	CTD	station start	237.0	0.3	60	20° 41.347' N	112° 04.157' E	284.3	1.5
SO269_25-1	07.08.2019 20:17	CTD	in the water	172.3	0.0	61	20° 41.346' N	112° 04.159' E	283.2	1.5
SO269_25-1	07.08.2019 20:29	CTD	max depth/on ground	57.3	0.2	60	20° 41.347' N	112° 04.162' E	270.9	1.7
SO269_25-1	07.08.2019 20:38	CTD	on deck	16.5	0.2	61	20° 41.333' N	112° 04.156' E	275.2	2.3
SO269_25-1	07.08.2019 20:40	CTD	station end	301.6	0.5	60	20° 41.340' N	112° 04.157' E	292.7	1.7
SO269_26-1	07.08.2019 20:54	ADCP	profile start	40.3	7.4	60	20° 41.156' N	112° 04.153' E	265.1	0.9
SO269_26-1	08.08.2019 02:16	ADCP	profile end	273.2	0.3	35	21° 16.241' N	112° 29.092' E	346.2	3.7
SO269_26-2	07.08.2019 20:55	PUMP	station start	36.9	7.3	60	20° 41.197' N	112° 04.184' E	294.1	1.2
SO269_26-2	08.08.2019 02:16	PUMP	station end	242.6	0.3	36	21° 16.240' N	112° 29.091' E	343.6	3.8
SO269_27-1	08.08.2019 02:19	CTD	station start	23.8	0.3	35	21° 16.245' N	112° 29.098' E	341.8	3.9
SO269_27-1	08.08.2019 02:20	CTD	in the water	63.7	0.2	35	21° 16.248' N	112° 29.101' E	343.2	4.0
SO269_27-1	08.08.2019 02:32	CTD	max depth/on ground	233.8	0.2	35	21° 16.266' N	112° 29.117' E	312.3	3.3
SO269_27-1	08.08.2019 02:34	CTD	hoisting	139.6	0.0	35	21° 16.266' N	112° 29.117' E	304.8	3.5
SO269_27-1	08.08.2019 02:50	CTD	on deck	225.4	0.1	35	21° 16.265' N	112° 29.114' E	311.6	2.6

SO269_27-1	08.08.2019 02:51	CTD	station end	208.4	0.0	35	21° 16.265' N	112° 29.114' E	302.2	2.9
SO269_28-1	08.08.2019 03:08	ADCP	profile start	182.9	1.5	35	21° 16.221' N	112° 29.093' E	299.0	2.5
SO269_28-1	08.08.2019 06:11	ADCP	station end	136.0	5.2	53	20° 54.477' N	112° 36.309' E	299.2	3.4
SO269_28-2	08.08.2019 03:09	PUMP	station start	185.1	2.1	36	21° 16.206' N	112° 29.092' E	300.2	2.4
SO269_28-2	08.08.2019 06:11	PUMP	station end	136.8	5.0	52	20° 54.466' N	112° 36.321' E	294.0	3.4
SO269_29-1	08.08.2019 06:30	CTD	station start	120.4	0.2	53	20° 54.244' N	112° 36.593' E	150.2	0.1
SO269_29-1	08.08.2019 06:32	CTD	in the water	89.0	0.1	53	20° 54.242' N	112° 36.599' E	304.9	3.3
SO269_29-1	08.08.2019 06:40	CTD	max depth/on ground	79.5	0.0	53	20° 54.239' N	112° 36.599' E	290.5	2.1
SO269_29-1	08.08.2019 06:51	CTD	on deck	214.8	0.0	53	20° 54.243' N	112° 36.605' E	227.3	0.5
SO269_29-1	08.08.2019 06:51	CTD	station end	275.1	0.2	53	20° 54.243' N	112° 36.605' E	255.9	1.0
SO269_29-2	08.08.2019 06:52	MSN	station start	347.5	0.1	53	20° 54.243' N	112° 36.605' E	271.9	2.6
SO269_29-2	08.08.2019 06:59	MSN	in the water	66.2	0.1	53	20° 54.242' N	112° 36.599' E	265.1	3.3
SO269_29-2	08.08.2019 07:03	MSN	max depth/on ground	290.4	0.2	52	20° 54.244' N	112° 36.602' E	267.6	1.8
SO269_29-2	08.08.2019 07:08	MSN	on deck	289.9	0.1	53	20° 54.245' N	112° 36.601' E	260.8	0.4
SO269_29-2	08.08.2019 07:12	MSN	station end	164.1	0.2	53	20° 54.243' N	112° 36.600' E	257.8	2.8
SO269_29-3	08.08.2019 07:12	PLA	station start	214.7	0.2	53	20° 54.243' N	112° 36.600' E	358.7	1.3
SO269_29-3	08.08.2019 07:17	PLA	in the water	16.5	0.2	53	20° 54.243' N	112° 36.602' E	276.4	2.1
SO269_29-3	08.08.2019 07:19	PLA	max depth/on ground	330.1	0.4	53	20° 54.242' N	112° 36.599' E	270.6	3.2
SO269_29-3	08.08.2019 07:25	PLA	on deck	25.1	0.3	52	20° 54.245' N	112° 36.596' E	313.4	1.4
SO269_29-3	08.08.2019 07:26	PLA	station end	141.0	0.2	53	20° 54.245' N	112° 36.596' E	261.9	1.3
SO269_29-4	08.08.2019 07:26	MUC	station start	202.1	0.2	53	20° 54.245' N	112° 36.596' E	320.3	0.2
SO269_29-4	08.08.2019 07:42	MUC	in the water	17.5	0.2	53	20° 54.244' N	112° 36.603' E	261.5	3.8
SO269_29-4	08.08.2019 07:45	MUC	max depth/on ground	121.8	0.1	53	20° 54.244' N	112° 36.605' E	275.8	2.1
SO269_29-4	08.08.2019 07:47	MUC	hoisting	253.0	0.1	53	20° 54.244' N	112° 36.604' E	263.7	3.5
SO269_29-4	08.08.2019 07:50	MUC	on deck	226.9	0.2	53	20° 54.244' N	112° 36.603' E	261.0	4.6
SO269_29-4	08.08.2019 07:52	MUC	station end	24.7	0.2	53	20° 54.244' N	112° 36.604' E	262.0	4.0
SO269_29-5	08.08.2019 10:02	CTD	station start	85.0	0.1	57	20° 52.046' N	112° 37.928' E	242.1	4.4
SO269_29-5	08.08.2019 10:05	CTD	in the water	277.2	0.2	57	20° 52.045' N	112° 37.927' E	243.7	5.0
SO269_29-5	08.08.2019 10:14	CTD	max depth/on ground	325.3	0.3	57	20° 52.041' N	112° 37.921' E	236.0	4.4
SO269_29-5	08.08.2019 10:15	CTD	hoisting	353.7	0.1	57	20° 52.042' N	112° 37.923' E	229.5	4.6

SO269_29-5	08.08.2019 10:18	CTD	on deck	0.6	0.0	57	20° 52.043' N	112° 37.923' E	232.9	5.0
SO269_29-5	08.08.2019 10:23	CTD	station end	0.2	0.3	57	20° 52.043' N	112° 37.930' E	242.8	4.3
SO269_29-6	08.08.2019 10:24	ISP	station start	235.2	0.1	57	20° 52.043' N	112° 37.931' E	244.0	4.6
SO269_29-6	08.08.2019 10:29	ISP	in the water	217.4	0.1	57	20° 52.044' N	112° 37.926' E	249.6	5.1
SO269_29-6	08.08.2019 10:33	ISP	in the water	144.6	0.1	57	20° 52.045' N	112° 37.922' E	225.8	5.3
SO269_29-6	08.08.2019 10:37	ISP	in the water	45.8	0.2	57	20° 52.049' N	112° 37.925' E	230.5	4.7
SO269_29-6	08.08.2019 10:38	ISP	max depth/on ground	328.9	0.1	57	20° 52.049' N	112° 37.926' E	230.2	4.8
SO269_29-6	08.08.2019 14:36	ISP	hoisting	216.0	0.4	57	20° 52.041' N	112° 37.928' E	273.5	4.2
SO269_29-6	08.08.2019 14:40	ISP	on deck	29.9	0.3	57	20° 52.050' N	112° 37.925' E	275.9	4.6
SO269_29-6	08.08.2019 14:44	ISP	on deck	211.4	0.3	57	20° 52.042' N	112° 37.933' E	273.2	4.2
SO269_29-6	08.08.2019 14:46	ISP	on deck	305.1	0.2	57	20° 52.040' N	112° 37.929' E	264.0	4.7
SO269_29-6	08.08.2019 14:47	ISP	station end	256.0	0.1	57	20° 52.041' N	112° 37.928' E	269.6	4.7
SO269_30-1	08.08.2019 14:57	ADCP	profile start	90.6	3.5	56	20° 52.166' N	112° 37.946' E	247.1	3.0
SO269_30-1	08.08.2019 17:51	ADCP	station end	164.0	7.7	75	20° 30.736' N	112° 46.135' E	266.6	6.6
SO269_31-1	08.08.2019 18:04	CTD	station start	114.8	0.2	75	20° 30.029' N	112° 46.258' E	252.9	5.3
SO269_31-1	08.08.2019 18:05	CTD	in the water	289.5	0.2	75	20° 30.028' N	112° 46.255' E	258.9	4.9
SO269_31-1	08.08.2019 18:12	CTD	max depth/on ground	209.7	0.3	75	20° 30.012' N	112° 46.221' E	261.8	5.4
SO269_31-1	08.08.2019 18:23	CTD	on deck	18.1	0.1	75	20° 30.006' N	112° 46.204' E	255.8	6.6
SO269_31-1	08.08.2019 18:24	CTD	station end	355.9	0.2	75	20° 30.006' N	112° 46.202' E	255.9	5.7
SO269_32-1	08.08.2019 18:36	ADCP	station start	154.1	3.3	77	20° 30.300' N	112° 46.101' E	275.7	6.6
SO269_32-1	08.08.2019 21:55	ADCP	profile end	171.4	3.3	93	20° 05.857' N	112° 55.817' E	269.8	10.0
SO269_33-1	08.08.2019 21:59	CTD	station start	28.1	0.1	93	20° 05.730' N	112° 55.796' E	268.7	8.3
SO269_33-1	08.08.2019 22:02	CTD	in the water	204.1	0.1	93	20° 05.730' N	112° 55.796' E	265.7	8.7
SO269_33-1	08.08.2019 22:12	CTD	max depth/on ground	15.6	0.1	93	20° 05.734' N	112° 55.791' E	268.8	7.6
SO269_33-1	08.08.2019 22:24	CTD	on deck	268.9	0.1	93	20° 05.735' N	112° 55.798' E	254.1	9.2
SO269_33-1	08.08.2019 22:28	CTD	station end	279.4	0.6	93	20° 05.736' N	112° 55.793' E	251.2	8.3
SO269_34-1	08.08.2019 22:36	ADCP	profile start	167.6	6.2	92	20° 05.931' N	112° 55.757' E	263.7	9.5
SO269_34-1	09.08.2019 02:00	ADCP	profile end	143.4	0.3	174	19° 41.305' N	113° 05.396' E	245.9	8.4
SO269_35-1	09.08.2019 02:03	CTD	station start	161.8	0.4	174	19° 41.304' N	113° 05.396' E	247.0	8.4
SO269_35-1	09.08.2019 02:04	CTD	in the water	3.3	0.4	174	19° 41.305' N	113° 05.396' E	248.8	7.2

SO269_35-1	09.08.2019 02:18	CTD	max depth/on ground	20.2	0.3	174	19° 41.322' N	113° 05.396' E	244.7	8.2
SO269_35-1	09.08.2019 02:19	CTD	hoisting	0.1	0.3	173	19° 41.325' N	113° 05.398' E	236.5	8.3
SO269_35-1	09.08.2019 02:38	CTD	on deck	281.5	0.2	174	19° 41.342' N	113° 05.396' E	240.0	9.5
SO269_35-1	09.08.2019 02:39	CTD	station end	288.7	0.2	174	19° 41.343' N	113° 05.395' E	242.3	9.2
SO269_35-2	09.08.2019 02:41	MSS	in the water	71.3	0.1	173	19° 41.344' N	113° 05.397' E	236.8	7.6
SO269_35-2	09.08.2019 02:44	MSS	max depth/on ground	130.5	0.3	173	19° 41.341' N	113° 05.405' E	239.3	8.8
SO269_35-2	09.08.2019 02:49	MSS	at surface	286.1	0.2	174	19° 41.335' N	113° 05.399' E	235.1	8.5
SO269_35-2	09.08.2019 02:51	MSS	max depth/on ground	93.9	0.1	174	19° 41.335' N	113° 05.398' E	234.4	7.2
SO269_35-2	09.08.2019 02:55	MSS	at surface	275.1	0.0	174	19° 41.335' N	113° 05.399' E	243.4	7.8
SO269_35-2	09.08.2019 02:57	MSS	max depth/on ground	287.4	0.3	174	19° 41.336' N	113° 05.396' E	239.1	7.7
SO269_35-2	09.08.2019 03:01	MSS	at surface	185.0	0.1	174	19° 41.338' N	113° 05.396' E	239.7	8.1
SO269_35-2	09.08.2019 03:03	MSS	max depth/on ground	314.0	0.1	173	19° 41.336' N	113° 05.401' E	237.2	8.1
SO269_35-2	09.08.2019 03:08	MSS	at surface	184.3	0.3	174	19° 41.338' N	113° 05.399' E	246.9	8.5
SO269_35-2	09.08.2019 03:10	MSS	max depth/on ground	308.1	0.3	173	19° 41.339' N	113° 05.397' E	236.1	8.8
SO269_35-2	09.08.2019 03:15	MSS	at surface	129.6	0.1	174	19° 41.344' N	113° 05.396' E	244.1	7.9
SO269_35-2	09.08.2019 03:16	MSS	on deck	71.0	0.2	174	19° 41.345' N	113° 05.398' E	249.0	8.1
SO269_35-2	09.08.2019 03:17	MSS	station end	41.6	0.4	174	19° 41.345' N	113° 05.400' E	243.4	8.9
SO269_36-1	09.08.2019 03:34	ADCP	profile start	163.2	6.6	174	19° 41.246' N	113° 05.461' E	250.3	9.5
SO269_36-1	09.08.2019 06:52	ADCP	profile end	168.0	4.6	368	19° 17.082' N	113° 15.746' E	252.1	8.9
SO269_37-1	09.08.2019 06:59	CTD	station start	274.7	0.4	369	19° 16.935' N	113° 15.649' E	235.8	8.0
SO269_37-1	09.08.2019 07:01	CTD	in the water	156.4	0.4	368	19° 16.930' N	113° 15.636' E	233.9	7.3
SO269_37-1	09.08.2019 07:16	CTD	max depth/on ground	2.1	0.3	369	19° 16.920' N	113° 15.593' E	241.2	6.9
SO269_37-1	09.08.2019 07:35	CTD	on deck	108.6	0.2	368	19° 16.923' N	113° 15.594' E	241.9	7.1
SO269_37-1	09.08.2019 07:37	CTD	station end	75.0	0.2	368	19° 16.924' N	113° 15.596' E	238.7	6.8
SO269_37-2	09.08.2019 07:37	MSS	station start	343.3	0.2	368	19° 16.925' N	113° 15.598' E	235.2	5.5
SO269_37-2	09.08.2019 07:48	MSS	in the water	80.7	0.3	369	19° 16.917' N	113° 15.605' E	251.9	7.2
SO269_37-2	09.08.2019 07:56	MSS	max depth/on ground	30.3	0.1	368	19° 16.917' N	113° 15.614' E	260.8	7.2
SO269_37-2	09.08.2019 08:08	MSS	at surface	93.5	0.5	369	19° 16.920' N	113° 15.614' E	251.7	7.0
SO269_37-2	09.08.2019 08:15	MSS	max depth/on ground	217.3	0.2	369	19° 16.916' N	113° 15.617' E	259.4	6.5
SO269_37-2	09.08.2019 08:27	MSS	at surface	144.4	0.2	369	19° 16.915' N	113° 15.616' E	246.3	7.3

SO269_37-2	09.08.2019 08:35	MSS	max depth/on ground	294.5	0.2	369	19° 16.921' N	113° 15.618' E	255.8	6.9
SO269_37-2	09.08.2019 08:48	MSS	at surface	126.2	0.4	369	19° 16.913' N	113° 15.621' E	259.0	7.0
SO269_37-2	09.08.2019 08:54	MSS	max depth/on ground	317.9	0.1	369	19° 16.919' N	113° 15.612' E	255.8	7.2
SO269_37-2	09.08.2019 09:08	MSS	on deck	211.7	0.1	369	19° 16.913' N	113° 15.621' E	254.3	6.6
SO269_37-2	09.08.2019 09:09	MSS	station end	180.9	0.3	369	19° 16.911' N	113° 15.623' E	253.0	6.4
SO269_38-1	09.08.2019 12:30	CTD	station start	92.6	0.1	893	18° 42.605' N	112° 53.395' E	217.5	8.2
SO269_38-1	09.08.2019 12:31	CTD	in the water	113.4	0.2	890	18° 42.605' N	112° 53.396' E	211.9	8.8
SO269_38-1	09.08.2019 12:59	CTD	max depth/on ground	19.3	0.1	890	18° 42.604' N	112° 53.398' E	207.5	9.7
SO269_38-1	09.08.2019 13:00	CTD	hoisting	127.5	0.2	890	18° 42.604' N	112° 53.398' E	207.2	9.6
SO269_38-1	09.08.2019 13:18	CTD	on deck	176.0	0.1	891	18° 42.599' N	112° 53.393' E	205.8	7.7
SO269_38-1	09.08.2019 13:19	CTD	station end	181.9	0.2	896	18° 42.599' N	112° 53.393' E	205.0	8.9
SO269_38-2	09.08.2019 13:27	PLA	station start	222.6	0.1	891	18° 42.596' N	112° 53.401' E	203.3	8.4
SO269_38-2	09.08.2019 13:29	PLA	in the water	269.2	0.3	891	18° 42.596' N	112° 53.395' E	207.3	8.5
SO269_38-2	09.08.2019 13:46	PLA	max depth/on ground	79.0	0.2	894	18° 42.591' N	112° 53.392' E	212.6	8.7
SO269_38-2	09.08.2019 13:46	PLA	hoisting	7.4	0.2	892	18° 42.591' N	112° 53.392' E	210.2	9.5
SO269_38-2	09.08.2019 14:04	PLA	on deck	353.8	0.1	893	18° 42.583' N	112° 53.383' E	214.0	7.5
SO269_38-2	09.08.2019 14:06	PLA	station end	333.4	0.1	892	18° 42.586' N	112° 53.386' E	211.4	7.9
SO269_38-3	09.08.2019 14:08	MSN	station start	104.3	0.4	894	18° 42.589' N	112° 53.388' E	210.3	7.0
SO269_38-3	09.08.2019 14:20	MSN	in the water	293.0	0.3	892	18° 42.603' N	112° 53.400' E	212.2	7.4
SO269_38-3	09.08.2019 14:25	MSN	max depth/on ground	102.4	0.2	891	18° 42.599' N	112° 53.398' E	217.1	8.8
SO269_38-3	09.08.2019 14:29	MSN	hoisting	183.2	0.2	892	18° 42.598' N	112° 53.400' E	222.2	10.0
SO269_38-3	09.08.2019 14:37	MSN	on deck	291.7	0.0	891	18° 42.598' N	112° 53.396' E	211.1	8.8
SO269_38-3	09.08.2019 14:51	MSN	in the water	3.4	0.1	890	18° 42.603' N	112° 53.397' E	201.8	7.9
SO269_38-3	09.08.2019 15:16	MSN	max depth/on ground	145.5	0.2	891	18° 42.592' N	112° 53.396' E	211.9	8.1
SO269_38-3	09.08.2019 15:17	MSN	hoisting	45.9	0.1	898	18° 42.593' N	112° 53.393' E	210.7	7.8
SO269_38-3	09.08.2019 15:44	MSN	on deck	14.5	0.3	891	18° 42.602' N	112° 53.393' E	203.7	8.9
SO269_38-3	09.08.2019 15:58	MSN	in the water	264.9	0.4	891	18° 42.598' N	112° 53.404' E	206.6	7.4
SO269_38-3	09.08.2019 16:03	MSN	max depth/on ground	307.3	0.1	891	18° 42.604' N	112° 53.398' E	206.9	7.6
SO269_38-3	09.08.2019 16:04	MSN	hoisting	297.7	0.3	892	18° 42.604' N	112° 53.397' E	207.4	5.9
SO269_38-3	09.08.2019 16:12	MSN	on deck	111.2	0.1	893	18° 42.602' N	112° 53.398' E	200.8	7.3

SO269_38-3	09.08.2019 16:13	MSN	station end	265.4	0.1	892	18° 42.603' N	112° 53.399' E	204.0	6.7
SO269_38-4	09.08.2019 16:14	MUC	station start	159.8	0.2	892	18° 42.603' N	112° 53.399' E	204.8	6.3
SO269_38-4	09.08.2019 16:18	MUC	in the water	137.6	0.2	891	18° 42.597' N	112° 53.395' E	210.2	7.1
SO269_38-4	09.08.2019 16:38	MUC	max depth/on ground	105.7	0.1	891	18° 42.598' N	112° 53.390' E	207.9	8.4
SO269_38-4	09.08.2019 16:40	MUC	hoisting	12.3	0.0	891	18° 42.597' N	112° 53.392' E	208.1	8.7
SO269_38-4	09.08.2019 17:02	MUC	on deck	154.6	0.3	892	18° 42.599' N	112° 53.390' E	200.6	9.2
SO269_38-4	09.08.2019 17:19	MUC	station end	284.3	0.3	894	18° 42.602' N	112° 53.395' E	207.5	6.9
SO269_38-5	09.08.2019 17:20	MUC	station start	56.3	0.0	891	18° 42.602' N	112° 53.394' E	202.6	7.8
SO269_38-5	09.08.2019 17:21	MUC	in the water	145.8	0.3	891	18° 42.602' N	112° 53.394' E	205.7	7.6
SO269_38-5	09.08.2019 17:40	MUC	max depth/on ground	337.0	0.2	892	18° 42.594' N	112° 53.396' E	207.6	9.0
SO269_38-5	09.08.2019 17:42	MUC	hoisting	319.7	0.5	892	18° 42.597' N	112° 53.398' E	210.2	8.2
SO269_38-5	09.08.2019 18:04	MUC	on deck	241.3	0.2	892	18° 42.597' N	112° 53.396' E	207.8	9.2
SO269_38-5	09.08.2019 18:06	MUC	station end	228.6	0.2	893	18° 42.595' N	112° 53.395' E	207.6	9.0
SO269_38-6	09.08.2019 18:08	GC	station start	340.5	0.1	892	18° 42.593' N	112° 53.392' E	205.3	8.8
SO269_38-6	09.08.2019 18:15	GC	in the water	267.6	0.3	896	18° 42.596' N	112° 53.401' E	212.9	8.7
SO269_38-6	09.08.2019 18:34	GC	max depth/on ground	203.8	0.1	894	18° 42.602' N	112° 53.400' E	211.5	8.9
SO269_38-6	09.08.2019 18:35	GC	hoisting	60.8	0.0	892	18° 42.600' N	112° 53.400' E	205.4	8.5
SO269_38-6	09.08.2019 18:55	GC	on deck	99.1	0.1	891	18° 42.599' N	112° 53.399' E	213.5	8.1
SO269_38-6	09.08.2019 19:12	GC	station end	27.2	0.1	892	18° 42.597' N	112° 53.397' E	216.3	9.5
SO269_38-7	09.08.2019 19:14	GC	station start	15.3	0.2	892	18° 42.596' N	112° 53.398' E	207.5	9.5
SO269_38-7	09.08.2019 19:17	GC	in the water	8.8	0.2	892	18° 42.601' N	112° 53.399' E	212.0	8.3
SO269_38-7	09.08.2019 19:36	GC	max depth/on ground	238.7	0.2	892	18° 42.600' N	112° 53.399' E	220.0	9.0
SO269_38-7	09.08.2019 19:37	GC	hoisting	134.0	0.3	892	18° 42.599' N	112° 53.399' E	220.0	9.2
SO269_38-7	09.08.2019 19:56	GC	on deck	27.2	0.1	892	18° 42.594' N	112° 53.396' E	220.5	9.4
SO269_38-7	09.08.2019 20:00	GC	station end	63.0	0.8	892	18° 42.609' N	112° 53.408' E	228.4	7.7
SO269_39-1	10.08.2019 02:28	CTD	station start	74.5	0.3	474	19° 27.944' N	113° 46.240' E	223.2	10.6
SO269_39-1	10.08.2019 02:29	CTD	in the water	238.4	0.1	475	19° 27.945' N	113° 46.239' E	222.2	8.8
SO269_39-1	10.08.2019 02:47	CTD	max depth/on ground	137.1	0.3	475	19° 27.955' N	113° 46.211' E	229.4	10.9
SO269_39-1	10.08.2019 02:48	CTD	hoisting	279.3	0.3	474	19° 27.956' N	113° 46.209' E	229.9	9.5
SO269_39-1	10.08.2019 03:14	CTD	on deck	286.7	0.2	474	19° 27.960' N	113° 46.204' E	229.3	9.6

SO269_39-1	10.08.2019 03:16	CTD	station end	94.5	0.1	474	19° 27.960' N	113° 46.198' E	231.1	8.8
SO269_39-2	10.08.2019 03:17	MSS	station start	321.3	0.7	474	19° 27.962' N	113° 46.198' E	234.8	10.1
SO269_39-2	10.08.2019 03:22	MSS	in the water	176.4	0.1	474	19° 27.959' N	113° 46.204' E	229.3	8.8
SO269_39-2	10.08.2019 03:32	MSS	max depth/on ground	223.5	0.2	474	19° 27.963' N	113° 46.195' E	224.4	9.2
SO269_39-2	10.08.2019 03:48	MSS	at surface	110.4	0.2	473	19° 27.961' N	113° 46.196' E	225.5	8.5
SO269_39-2	10.08.2019 03:58	MSS	max depth/on ground	87.9	0.1	474	19° 27.960' N	113° 46.201' E	231.2	9.8
SO269_39-2	10.08.2019 04:15	MSS	on deck	213.5	0.2	474	19° 27.960' N	113° 46.197' E	227.3	9.0
SO269_39-2	10.08.2019 04:18	MSS	in the water	135.6	1.1	473	19° 27.958' N	113° 46.199' E	222.4	9.9
SO269_39-2	10.08.2019 04:27	MSS	max depth/on ground	64.0	0.2	475	19° 27.942' N	113° 46.223' E	223.4	8.8
SO269_39-2	10.08.2019 04:44	MSS	on deck	274.4	0.2	474	19° 27.947' N	113° 46.227' E	218.3	9.3
SO269_39-2	10.08.2019 04:44	MSS	station end	226.9	0.1	474	19° 27.947' N	113° 46.226' E	219.5	9.0
SO269_40-1	10.08.2019 05:00	ADCP	station start	353.4	7.5	478	19° 27.654' N	113° 46.313' E	218.1	8.9
SO269_40-1	10.08.2019 08:18	ADCP	profile end	332.4	3.9	221	19° 52.288' N	113° 36.777' E	209.9	8.5
SO269_41-1	10.08.2019 08:23	CTD	station start	233.9	0.5	220	19° 52.405' N	113° 36.589' E	216.7	10.4
SO269_41-1	10.08.2019 08:25	CTD	in the water	169.3	0.2	220	19° 52.409' N	113° 36.587' E	211.0	11.0
SO269_41-1	10.08.2019 08:40	CTD	max depth/on ground	108.0	0.4	221	19° 52.406' N	113° 36.590' E	230.9	8.1
SO269_41-1	10.08.2019 08:54	CTD	on deck	158.9	0.5	220	19° 52.411' N	113° 36.585' E	224.8	8.7
SO269_41-1	10.08.2019 08:57	CTD	station end	45.7	0.2	220	19° 52.404' N	113° 36.585' E	216.7	9.7
SO269_41-2	10.08.2019 08:58	MUC	station start	292.6	0.1	220	19° 52.405' N	113° 36.585' E	215.3	9.2
SO269_41-2	10.08.2019 09:06	MUC	in the water	286.0	0.1	220	19° 52.402' N	113° 36.586' E	223.1	8.4
SO269_41-2	10.08.2019 09:14	MUC	max depth/on ground	255.6	0.2	220	19° 52.402' N	113° 36.585' E	226.8	9.5
SO269_41-2	10.08.2019 09:23	MUC	on deck	299.2	0.3	220	19° 52.402' N	113° 36.589' E	215.4	8.5
SO269_41-2	10.08.2019 09:26	MUC	station end	144.9	0.3	220	19° 52.404' N	113° 36.586' E	216.4	9.7
SO269_41-3	10.08.2019 09:27	MSS	station start	258.6	0.3	220	19° 52.403' N	113° 36.587' E	223.7	9.3
SO269_41-3	10.08.2019 09:29	MSS	in the water	357.5	0.2	221	19° 52.401' N	113° 36.585' E	215.8	9.9
SO269_41-3	10.08.2019 09:34	MSS	max depth/on ground	88.4	0.5	220	19° 52.406' N	113° 36.588' E	211.8	9.2
SO269_41-3	10.08.2019 09:42	MSS	at surface	312.6	0.1	221	19° 52.406' N	113° 36.584' E	213.4	10.4
SO269_41-3	10.08.2019 09:46	MSS	max depth/on ground	212.8	0.2	221	19° 52.410' N	113° 36.583' E	204.1	8.7
SO269_41-3	10.08.2019 09:54	MSS	at surface	348.9	0.4	220	19° 52.408' N	113° 36.585' E	213.6	9.4
SO269_41-3	10.08.2019 09:59	MSS	max depth/on ground	177.8	0.4	221	19° 52.408' N	113° 36.588' E	216.5	10.4

SO269_41-3	10.08.2019 10:07	MSS	on deck	107.0	0.5	221	19° 52.408' N	113° 36.594' E	210.5	9.7
SO269_41-3	10.08.2019 10:10	MSS	station end	167.0	0.6	220	19° 52.406' N	113° 36.589' E	218.8	9.9
SO269_42-1	10.08.2019 10:18	ADCP	profile start	329.5	12.5	220	19° 52.969' N	113° 36.604' E	201.8	10.9
SO269_42-1	10.08.2019 12:16	ADCP	profile end	305.5	2.9	93	20° 16.739' N	113° 27.220' E	199.7	9.9
SO269_43-1	10.08.2019 12:27	CTD	station start	200.2	0.5	95	20° 16.784' N	113° 27.014' E	208.8	11.1
SO269_43-1	10.08.2019 12:28	CTD	in the water	177.5	0.4	95	20° 16.780' N	113° 27.012' E	206.3	10.7
SO269_43-1	10.08.2019 12:37	CTD	max depth/on ground	306.7	0.5	96	20° 16.753' N	113° 27.003' E	203.1	9.4
SO269_43-1	10.08.2019 12:37	CTD	hoisting	264.5	0.3	96	20° 16.752' N	113° 27.003' E	205.1	10.8
SO269_43-1	10.08.2019 12:48	CTD	on deck	176.4	0.6	95	20° 16.743' N	113° 26.998' E	206.7	9.2
SO269_43-1	10.08.2019 12:48	CTD	station end	15.9	0.1	95	20° 16.742' N	113° 26.997' E	206.6	10.5
SO269_44-1	10.08.2019 12:58	ADCP	profile start	342.8	4.7	94	20° 16.966' N	113° 26.876' E	200.5	10.1
SO269_44-1	10.08.2019 16:11	ADCP	profile end	349.2	4.7	77	20° 40.908' N	113° 17.685' E	207.4	11.8
SO269_45-1	10.08.2019 16:25	CTD	station start	216.4	0.7	77	20° 41.100' N	113° 17.438' E	220.4	10.9
SO269_45-1	10.08.2019 16:26	CTD	in the water	204.5	0.3	77	20° 41.098' N	113° 17.434' E	211.3	10.8
SO269_45-1	10.08.2019 16:35	CTD	max depth/on ground	280.5	0.3	77	20° 41.071' N	113° 17.418' E	215.8	10.7
SO269_45-1	10.08.2019 16:47	CTD	on deck	43.3	0.1	76	20° 41.042' N	113° 17.401' E	215.1	11.1
SO269_45-1	10.08.2019 16:52	CTD	station end	151.4	0.3	77	20° 41.037' N	113° 17.404' E	221.8	10.8
SO269_45-2	10.08.2019 16:56	MSN	station start	271.3	0.2	78	20° 41.037' N	113° 17.405' E	212.6	11.3
SO269_45-2	10.08.2019 16:58	MSN	in the water	138.0	0.3	77	20° 41.041' N	113° 17.404' E	216.1	11.4
SO269_45-2	10.08.2019 17:02	MSN	max depth/on ground	320.0	0.9	78	20° 41.042' N	113° 17.402' E	217.4	10.0
SO269_45-2	10.08.2019 17:08	MSN	on deck	157.8	0.2	76	20° 41.041' N	113° 17.398' E	218.1	10.8
SO269_45-2	10.08.2019 17:09	MSN	station end	330.4	0.3	77	20° 41.041' N	113° 17.398' E	213.7	10.0
SO269_46-1	10.08.2019 17:20	ADCP	station start	64.1	6.2	77	20° 40.779' N	113° 17.392' E	221.4	10.3
SO269_46-1	10.08.2019 20:41	ADCP	profile end	332.3	5.5	54	21° 05.415' N	113° 07.662' E	218.9	10.7
SO269_47-1	10.08.2019 20:53	CTD	station start	107.2	0.3	54	21° 05.226' N	113° 07.251' E	220.1	11.0
SO269_47-1	10.08.2019 20:55	CTD	in the water	162.0	0.6	54	21° 05.222' N	113° 07.251' E	215.6	12.3
SO269_47-1	10.08.2019 21:04	CTD	max depth/on ground	332.2	0.6	55	21° 05.220' N	113° 07.227' E	221.7	11.2
SO269_47-1	10.08.2019 21:10	CTD	hoisting	243.4	0.4	54	21° 05.219' N	113° 07.206' E	219.4	11.9
SO269_47-1	10.08.2019 21:19	CTD	on deck	164.2	0.5	55	21° 05.222' N	113° 07.195' E	217.8	13.5
SO269_47-1	10.08.2019 21:23	CTD	station end	340.7	0.6	55	21° 05.222' N	113° 07.200' E	222.0	10.6

SO269_47-2	10.08.2019 21:25	PUMP	station start	310.4	0.3	54	21° 05.225' N	113° 07.202' E	221.7	11.5
SO269_47-2	10.08.2019 21:32	PUMP	in the water	28.6	0.2	53	21° 05.214' N	113° 07.202' E	223.9	10.8
SO269_47-2	10.08.2019 21:41	PUMP	information	164.0	0.6	54	21° 05.220' N	113° 07.200' E	229.2	9.6
SO269_47-2	11.08.2019 01:18	PUMP	max depth/on ground	341.0	0.5	54	21° 05.221' N	113° 07.206' E	228.0	10.5
SO269_47-2	11.08.2019 01:43	PUMP	information	149.3	0.1	54	21° 05.218' N	113° 07.199' E	225.1	10.4
SO269_47-2	11.08.2019 04:50	PUMP	information	164.8	0.4	52	21° 05.218' N	113° 07.197' E	228.3	10.3
SO269_47-2	11.08.2019 04:52	PUMP	on deck	188.8	0.1	53	21° 05.219' N	113° 07.198' E	227.6	9.1
SO269_47-2	11.08.2019 04:54	PUMP	station end	170.2	0.3	53	21° 05.217' N	113° 07.198' E	225.7	9.7
SO269_48-1	11.08.2019 05:09	ADCP	station start	5.2	3.2	54	21° 04.921' N	113° 07.353' E	217.6	8.5
SO269_48-1	11.08.2019 08:07	ADCP	profile end	317.4	3.4	33	21° 27.190' N	112° 59.329' E	209.4	8.9
SO269_49-1	11.08.2019 08:12	CTD	station start	113.7	0.5	33	21° 27.202' N	112° 59.174' E	213.5	8.3
SO269_49-1	11.08.2019 08:17	CTD	in the water	260.9	0.2	34	21° 27.190' N	112° 59.175' E	212.7	10.6
SO269_49-1	11.08.2019 08:23	CTD	max depth/on ground	275.7	0.1	33	21° 27.179' N	112° 59.160' E	203.7	9.9
SO269_49-1	11.08.2019 08:25	CTD	hoisting	0.6	0.3	34	21° 27.179' N	112° 59.160' E	206.6	8.5
SO269_49-1	11.08.2019 08:34	CTD	on deck	154.0	0.6	34	21° 27.178' N	112° 59.160' E	209.0	10.9
SO269_49-1	11.08.2019 08:37	CTD	station end	177.1	0.8	32	21° 27.177' N	112° 59.159' E	208.4	11.8
SO269_49-2	11.08.2019 08:38	PUMP	station start	337.0	0.6	33	21° 27.177' N	112° 59.157' E	211.7	10.0
SO269_49-2	11.08.2019 08:52	PUMP	in the water	170.5	0.2	33	21° 27.183' N	112° 59.158' E	208.0	10.7
SO269_49-2	11.08.2019 09:28	PUMP	on deck	0.5	0.4	33	21° 27.174' N	112° 59.160' E	204.1	10.4
SO269_49-2	11.08.2019 09:30	PUMP	in the water	190.7	0.1	34	21° 27.175' N	112° 59.159' E	208.4	10.7
SO269_49-2	11.08.2019 09:40	PUMP	max depth/on ground	339.5	0.6	34	21° 27.174' N	112° 59.160' E	208.8	10.0
SO269_49-2	11.08.2019 13:54	PUMP	on deck	346.6	0.5	34	21° 27.175' N	112° 59.156' E	213.8	7.1
SO269_49-2	11.08.2019 15:19	PUMP	information	201.0	0.2	34	21° 27.178' N	112° 59.157' E	204.1	10.6
SO269_50-1	11.08.2019 20:08	CTD	station start	317.3	0.4	74	20° 36.617' N	112° 42.604' E	239.7	10.6
SO269_50-1	11.08.2019 20:10	CTD	in the water	179.0	0.3	74	20° 36.624' N	112° 42.606' E	239.5	8.0
SO269_50-1	11.08.2019 20:18	CTD	max depth/on ground	159.7	0.6	73	20° 36.617' N	112° 42.605' E	242.2	9.1
SO269_50-1	11.08.2019 20:21	CTD	on deck	158.3	0.1	74	20° 36.614' N	112° 42.600' E	240.7	8.8
SO269_50-1	11.08.2019 20:26	CTD	station end	307.3	0.3	73	20° 36.614' N	112° 42.602' E	240.5	9.5
SO269_50-2	11.08.2019 20:27	MUC	station start	153.8	0.1	74	20° 36.614' N	112° 42.601' E	236.2	9.5
SO269_50-2	11.08.2019 20:29	MUC	in the water	146.5	0.1	74	20° 36.614' N	112° 42.601' E	242.2	9.7

SO269_50-2	11.08.2019 20:34	MUC	max depth/on ground	265.5	0.3	74	20° 36.612' N	112° 42.605' E	240.5	9.7
SO269_50-2	11.08.2019 20:40	MUC	on deck	325.2	0.4	74	20° 36.615' N	112° 42.600' E	236.5	9.2
SO269_50-2	11.08.2019 20:49	MUC	station end	326.6	0.1	74	20° 36.614' N	112° 42.597' E	234.6	8.9
SO269_50-3	11.08.2019 20:50	MUC	station start	175.0	0.1	74	20° 36.613' N	112° 42.598' E	234.6	7.8
SO269_50-3	11.08.2019 20:55	MUC	in the water	189.5	0.1	73	20° 36.611' N	112° 42.597' E	234.6	9.5
SO269_50-3	11.08.2019 21:00	MUC	max depth/on ground	162.1	0.2	74	20° 36.615' N	112° 42.597' E	239.3	9.0
SO269_50-3	11.08.2019 21:05	MUC	on deck	339.3	0.7	73	20° 36.616' N	112° 42.598' E	234.3	7.5
SO269_50-3	11.08.2019 21:13	MUC	station end	144.9	0.3	74	20° 36.612' N	112° 42.599' E	236.1	8.5
SO269_50-4	11.08.2019 21:14	GC	station start	207.4	0.2	74	20° 36.613' N	112° 42.598' E	229.8	8.4
SO269_50-4	11.08.2019 21:25	GC	in the water	160.2	0.2	73	20° 36.612' N	112° 42.601' E	233.4	8.4
SO269_50-4	11.08.2019 21:30	GC	max depth/on ground	305.1	0.2	74	20° 36.609' N	112° 42.603' E	233.9	8.1
SO269_50-4	11.08.2019 21:31	GC	hoisting	114.5	0.2	74	20° 36.608' N	112° 42.604' E	232.9	7.6
SO269_50-4	11.08.2019 21:40	GC	on deck	197.5	0.2	74	20° 36.610' N	112° 42.606' E	244.2	8.8
SO269_50-4	11.08.2019 21:47	GC	station end	133.5	0.2	73	20° 36.613' N	112° 42.600' E	232.7	7.4
SO269_50-5	11.08.2019 21:48	GC	station start	300.8	0.3	73	20° 36.614' N	112° 42.600' E	236.6	7.0
SO269_50-5	11.08.2019 22:02	GC	in the water	45.0	0.1	73	20° 36.612' N	112° 42.598' E	233.1	7.1
SO269_50-5	11.08.2019 22:07	GC	max depth/on ground	250.2	0.2	74	20° 36.616' N	112° 42.597' E	227.9	6.6
SO269_50-5	11.08.2019 22:08	GC	hoisting	316.2	0.2	73	20° 36.616' N	112° 42.596' E	236.8	6.0
SO269_50-5	11.08.2019 22:15	GC	on deck	345.8	0.2	74	20° 36.612' N	112° 42.596' E	230.9	7.2
SO269_50-5	11.08.2019 22:25	GC	station end	321.3	0.5	74	20° 36.614' N	112° 42.599' E	231.4	7.3
SO269_51-1	12.08.2019 04:11	CTD	station start	348.4	0.8	29	21° 37.820' N	113° 30.306' E	226.4	7.1
SO269_51-1	12.08.2019 04:11	CTD	in the water	293.2	0.2	29	21° 37.821' N	113° 30.305' E	224.9	8.5
SO269_51-1	12.08.2019 04:17	CTD	max depth/on ground	2.5	0.4	28	21° 37.833' N	113° 30.304' E	219.4	7.8
SO269_51-1	12.08.2019 04:26	CTD	on deck	352.5	0.2	28	21° 37.847' N	113° 30.301' E	221.2	9.1
SO269_51-1	12.08.2019 04:27	CTD	station end	38.9	0.2	28	21° 37.849' N	113° 30.300' E	224.8	9.6
SO269_51-2	12.08.2019 04:29	PUMP	station start	325.5	0.2	29	21° 37.852' N	113° 30.301' E	225.3	8.3
SO269_51-2	12.08.2019 04:33	PUMP	in the water	23.3	0.2	29	21° 37.860' N	113° 30.299' E	221.3	7.3
SO269_51-2	12.08.2019 04:48	PUMP	max depth/on ground	279.1	0.2	29	21° 37.864' N	113° 30.303' E	225.0	8.9
SO269_51-2	12.08.2019 04:49	PUMP	information	121.6	0.1	29	21° 37.864' N	113° 30.302' E	223.7	8.2
SO269_51-2	12.08.2019 11:04	PUMP	information	182.1	0.5	29	21° 37.854' N	113° 30.297' E	221.0	8.9

SO269_51-2	12.08.2019 11:06	PUMP	on deck	156.1	0.3	29	21° 37.854' N	113° 30.298' E	226.1	7.3
SO269_51-2	12.08.2019 11:11	PUMP	station end	278.4	0.7	29	21° 37.852' N	113° 30.301' E	222.9	7.5
SO269_52-1	12.08.2019 11:22	ADCP	profile start	158.7	5.3	29	21° 38.154' N	113° 30.408' E	230.4	8.9
SO269_52-1	12.08.2019 14:17	ADCP	profile end	159.1	4.5	50	21° 16.423' N	113° 38.459' E	217.8	9.6
SO269_53-1	12.08.2019 14:24	CTD	station start	342.8	0.9	50	21° 16.263' N	113° 38.468' E	203.8	11.7
SO269_53-1	12.08.2019 14:25	CTD	in the water	170.1	0.4	50	21° 16.261' N	113° 38.467' E	202.7	10.7
SO269_53-1	12.08.2019 14:35	CTD	max depth/on ground	194.5	0.3	50	21° 16.242' N	113° 38.446' E	208.6	10.6
SO269_53-1	12.08.2019 14:35	CTD	hoisting	171.4	0.4	50	21° 16.242' N	113° 38.446' E	206.4	10.1
SO269_53-1	12.08.2019 14:44	CTD	on deck	159.9	0.3	50	21° 16.223' N	113° 38.423' E	208.6	11.7
SO269_53-1	12.08.2019 14:50	CTD	station end	237.3	0.3	50	21° 16.227' N	113° 38.426' E	210.0	12.2
SO269_54-1	12.08.2019 15:05	ADCP	profile start	158.2	6.7	50	21° 16.140' N	113° 38.432' E	221.0	11.7
SO269_54-1	12.08.2019 18:15	ADCP	station end	155.1	5.7	79	20° 52.495' N	113° 47.933' E	237.2	10.5
SO269_55-1	12.08.2019 18:27	CTD	station start	226.5	1.1	81	20° 52.098' N	113° 48.059' E	231.4	10.6
SO269_55-1	12.08.2019 18:31	CTD	in the water	220.9	0.4	81	20° 52.058' N	113° 48.026' E	233.7	8.3
SO269_55-1	12.08.2019 18:39	CTD	max depth/on ground	142.3	0.3	80	20° 52.027' N	113° 48.002' E	235.2	8.5
SO269_55-1	12.08.2019 18:50	CTD	on deck	312.1	0.2	81	20° 52.023' N	113° 47.997' E	233.4	9.9
SO269_55-1	12.08.2019 18:51	CTD	station end	153.8	0.2	81	20° 52.023' N	113° 47.997' E	235.2	9.3
SO269_56-1	12.08.2019 19:01	ADCP	station start	108.0	2.2	81	20° 52.257' N	113° 47.975' E	232.1	9.0
SO269_56-1	12.08.2019 22:22	ADCP	profile end	187.7	2.1	96	20° 27.778' N	113° 57.754' E	232.6	9.5
SO269_57-1	12.08.2019 22:27	CTD	station start	26.4	0.3	96	20° 27.733' N	113° 57.623' E	230.5	9.6
SO269_57-1	12.08.2019 22:28	CTD	in the water	285.4	0.5	97	20° 27.739' N	113° 57.619' E	230.9	9.1
SO269_57-1	12.08.2019 22:39	CTD	max depth/on ground	257.8	0.2	97	20° 27.742' N	113° 57.613' E	228.2	9.5
SO269_57-1	12.08.2019 22:40	CTD	hoisting	275.9	0.3	97	20° 27.742' N	113° 57.612' E	229.4	8.2
SO269_57-1	12.08.2019 22:49	CTD	on deck	151.2	0.3	97	20° 27.740' N	113° 57.615' E	231.0	8.4
SO269_57-1	12.08.2019 22:54	CTD	station end	99.6	0.2	96	20° 27.735' N	113° 57.616' E	228.8	7.5
SO269_57-2	12.08.2019 22:55	MSN	station start	128.2	0.1	97	20° 27.735' N	113° 57.616' E	226.7	8.0
SO269_57-2	12.08.2019 22:59	MSN	in the water	196.7	0.0	97	20° 27.738' N	113° 57.613' E	224.8	7.9
SO269_57-2	12.08.2019 23:02	MSN	max depth/on ground	33.6	0.1	97	20° 27.738' N	113° 57.612' E	229.9	8.2
SO269_57-2	12.08.2019 23:04	MSN	hoisting	167.9	0.1	97	20° 27.738' N	113° 57.612' E	231.7	7.8
SO269_57-2	12.08.2019 23:10	MSN	on deck	142.1	0.2	97	20° 27.737' N	113° 57.614' E	225.9	9.9

SO269_57-2	12.08.2019 23:11	MSN	station end	70.4	0.4	96	20° 27.736' N	113° 57.615' E	229.9	8.8
SO269_58-1	12.08.2019 23:25	ADCP	station start	158.9	8.3	97	20° 27.771' N	113° 57.643' E	233.9	10.4
SO269_58-1	13.08.2019 02:44	ADCP	station end	193.9	2.9	270	20° 03.559' N	114° 07.915' E	228.3	10.2
SO269_59-1	13.08.2019 02:53	CTD	station start	116.3	0.4	274	20° 03.482' N	114° 07.772' E	227.3	11.3
SO269_59-1	13.08.2019 02:54	CTD	in the water	267.2	0.2	273	20° 03.481' N	114° 07.776' E	228.8	12.3
SO269_59-1	13.08.2019 03:16	CTD	max depth/on ground	283.5	0.2	275	20° 03.416' N	114° 07.801' E	232.0	10.4
SO269_59-1	13.08.2019 03:16	CTD	hoisting	152.0	0.1	275	20° 03.416' N	114° 07.800' E	235.2	10.2
SO269_59-1	13.08.2019 03:35	CTD	on deck	219.7	0.0	274	20° 03.422' N	114° 07.798' E	248.2	9.1
SO269_59-2	13.08.2019 03:38	MSS	station start	104.5	0.2	275	20° 03.422' N	114° 07.795' E	240.8	9.6
SO269_59-2	13.08.2019 03:38	MSS	in the water	328.4	0.3	275	20° 03.422' N	114° 07.794' E	243.9	8.5
SO269_59-2	13.08.2019 03:44	MSS	max depth/on ground	276.1	0.1	275	20° 03.425' N	114° 07.793' E	236.1	8.1
SO269_59-2	13.08.2019 03:53	MSS	at surface	161.5	0.4	275	20° 03.425' N	114° 07.794' E	227.6	7.1
SO269_59-2	13.08.2019 03:58	MSS	max depth/on ground	331.4	0.3	275	20° 03.421' N	114° 07.795' E	235.7	6.5
SO269_59-2	13.08.2019 04:08	MSS	at surface	244.3	0.1	275	20° 03.400' N	114° 07.768' E	238.3	7.7
SO269_59-2	13.08.2019 04:12	MSS	max depth/on ground	283.5	0.5	276	20° 03.389' N	114° 07.750' E	241.1	8.0
SO269_59-2	13.08.2019 04:21	MSS	at surface	236.1	0.1	276	20° 03.380' N	114° 07.733' E	238.0	7.1
SO269_59-2	13.08.2019 04:27	MSS	max depth/on ground	320.2	0.2	277	20° 03.377' N	114° 07.733' E	237.1	9.0
SO269_59-2	13.08.2019 04:37	MSS	on deck	230.2	0.4	276	20° 03.379' N	114° 07.732' E	223.1	9.1
SO269_59-2	13.08.2019 04:42	MSS	station end	182.4	0.1	276	20° 03.385' N	114° 07.734' E	226.1	7.8
SO269_59-3	13.08.2019 04:46	PLA	station start	159.6	0.2	276	20° 03.380' N	114° 07.732' E	238.2	7.5
SO269_59-3	13.08.2019 04:47	PLA	in the water	109.4	0.1	276	20° 03.379' N	114° 07.732' E	235.9	8.8
SO269_59-3	13.08.2019 05:07	PLA	max depth/on ground	304.5	0.2	277	20° 03.379' N	114° 07.734' E	235.6	5.8
SO269_59-3	13.08.2019 05:25	PLA	on deck	232.5	0.3	277	20° 03.382' N	114° 07.738' E	219.8	6.3
SO269_59-3	13.08.2019 05:27	PLA	station end	323.2	0.4	276	20° 03.384' N	114° 07.734' E	204.5	05.7
SO269_60-1	13.08.2019 05:39	ADCP	station start	150.8	5.7	264	20° 03.741' N	114° 07.648' E	220.9	5.0
SO269_60-1	13.08.2019 08:57	ADCP	profile end	163.2	4.1	835	19° 39.211' N	114° 17.447' E	222.6	8.4
SO269_61-1	13.08.2019 09:01	CTD	station start	213.8	0.7	822	19° 39.041' N	114° 17.410' E	205.0	8.9
SO269_61-1	13.08.2019 09:04	CTD	in the water	67.1	0.3	823	19° 39.042' N	114° 17.410' E	209.4	8.5
SO269_61-1	13.08.2019 09:28	CTD	max depth/on ground	54.3	0.3	822	19° 39.057' N	114° 17.403' E	221.4	6.9
SO269_61-1	13.08.2019 09:29	CTD	hoisting	131.4	0.0	823	19° 39.059' N	114° 17.404' E	220.3	6.9

SO269_61-1	13.08.2019 09:55	CTD	on deck	189.8	0.1	825	19° 39.055' N	114° 17.400' E	214.7	7.7
SO269_61-1	13.08.2019 09:58	CTD	station end	44.9	0.1	824	19° 39.057' N	114° 17.395' E	213.7	7.2
SO269_61-2	13.08.2019 10:02	MSS	station start	262.3	0.4	825	19° 39.063' N	114° 17.396' E	212.6	7.6
SO269_61-2	13.08.2019 10:05	MSS	in the water	269.3	0.1	831	19° 39.061' N	114° 17.393' E	214.9	8.0
SO269_61-2	13.08.2019 10:15	MSS	max depth/on ground	178.7	0.1	824	19° 39.057' N	114° 17.405' E	214.4	7.7
SO269_61-2	13.08.2019 10:30	MSS	at surface	71.7	0.1	826	19° 39.060' N	114° 17.402' E	221.9	8.2
SO269_61-2	13.08.2019 10:39	MSS	max depth/on ground	329.7	0.1	825	19° 39.059' N	114° 17.403' E	224.3	8.7
SO269_61-2	13.08.2019 10:53	MSS	at surface	264.0	0.4	825	19° 39.057' N	114° 17.402' E	225.0	8.0
SO269_61-2	13.08.2019 11:04	MSS	max depth/on ground	17.6	0.2	824	19° 39.058' N	114° 17.403' E	225.1	8.5
SO269_61-2	13.08.2019 11:16	MSS	on deck	324.8	0.2	825	19° 39.056' N	114° 17.400' E	225.9	8.1
SO269_61-2	13.08.2019 11:20	MSS	station end	203	0.2	826	19° 39.056' N	114° 17.404' E	221.4	7.7
SO269_61-3	13.08.2019 11:22	PUMP	station start	99.1	0.0	822	19° 39.058' N	114° 17.404' E	219.5	9.9
SO269_61-3	13.08.2019 11:23	PUMP	in the water	302.1	0.1	826	19° 39.057' N	114° 17.405' E	217.4	9.9
SO269_61-3	13.08.2019 11:58	PUMP	max depth/on ground	264.8	0.1	822	19° 39.062' N	114° 17.396' E	213.7	8.2
SO269_61-3	13.08.2019 12:22	PUMP	information	87.3	0.2	824	19° 39.060' N	114° 17.402' E	211.8	8.1
SO269_61-3	13.08.2019 14:03	PUMP	on deck	200.7	0.1	822	19° 39.065' N	114° 17.398' E	209.1	8.4
SO269_61-3	13.08.2019 14:11	PUMP	station end	2.7	0.2	821	19° 39.061' N	114° 17.397' E	219.1	8.9
SO269_62-1	13.08.2019 17:55	CTD	station start	287.2	0.3	1551	18° 52.047' N	114° 09.047' E	216.0	11.8
SO269_62-1	13.08.2019 17:57	CTD	in the water	207.2	0.6	1556	18° 52.041' N	114° 09.043' E	220.9	10.3
SO269_62-1	13.08.2019 18:32	CTD	max depth/on ground	216.4	0.2	1584	18° 52.010' N	114° 09.010' E	229.9	10.2
SO269_62-1	13.08.2019 18:45	CTD	hoisting	348.5	0.2	1589	18° 52.013' N	114° 09.002' E	218.4	10.6
SO269_62-1	13.08.2019 19:26	CTD	on deck	47.7	0.0	1577	18° 52.015' N	114° 09.006' E	228.1	10.4
SO269_62-1	13.08.2019 19:27	CTD	station end	113.3	0.2	1582	18° 52.014' N	114° 09.009' E	223.3	9.5
SO269_62-2	13.08.2019 19:28	MSN	station start	96.1	0.4	1584	18° 52.015' N	114° 09.011' E	218.9	10.5
SO269_62-2	13.08.2019 19:36	MSN	in the water	27.0	0.2	1580	18° 52.011' N	114° 09.010' E	224.7	11.3
SO269_62-2	13.08.2019 19:41	MSN	max depth/on ground	130.7	0.3	1581	18° 52.014' N	114° 09.011' E	224.8	10.5
SO269_62-2	13.08.2019 19:49	MSN	on deck	247.5	0.2	1582	18° 52.009' N	114° 09.008' E	228.9	10.2
SO269_62-2	13.08.2019 19:58	MSN	in the water	125.4	0.2	1578	18° 52.015' N	114° 09.012' E	224.9	10.6
SO269_62-2	13.08.2019 20:24	MSN	max depth/on ground	81.5	0.4	1579	18° 52.015' N	114° 09.008' E	232.2	11.0
SO269_62-2	13.08.2019 20:49	MSN	on deck	349.0	0.3	1586	18° 52.012' N	114° 09.011' E	236.1	11.2

SO269_62-2	13.08.2019 20:57	MSN	in the water	209.8	0.1	1583	18° 52.011' N	114° 09.013' E	241.0	11.2
SO269_62-2	13.08.2019 21:50	MSN	max depth/on ground	135.5	0.2	1582	18° 52.013' N	114° 09.005' E	235.7	10.9
SO269_62-2	13.08.2019 22:43	MSN	on deck	189.4	0.4	1582	18° 52.013' N	114° 09.006' E	221.6	9.3
SO269_62-2	13.08.2019 22:45	MSN	station end	278.7	0.3	1582	18° 52.009' N	114° 09.004' E	223.9	9.8
SO269_62-3	13.08.2019 22:55	EM122	profile start	146.1	6.3	1542	18° 52.123' N	114° 09.085' E	233.5	11.7
SO269_62-3	13.08.2019 23:29	EM122	alter course	187.0	7.3	1748	18° 49.354' N	114° 12.786' E	230.7	12.8
SO269_62-3	13.08.2019 23:39	EM122	alter course	267.1	7.9	1534	18° 48.327' N	114° 11.965' E	220.3	13.3
SO269_62-3	14.08.2019 00:10	EM122	alter course	292.9	7.7	1486	18° 50.649' N	114° 08.298' E	224.2	12.6
SO269_62-3	14.08.2019 00:23	EM122	alter course	157.7	7.8	1429	18° 49.535' N	114° 07.330' E	226.9	12.2
SO269_62-3	14.08.2019 00:55	EM122	alter course	175.4	7.7	1627	18° 46.939' N	114° 10.958' E	229.3	9.9
SO269_62-3	14.08.2019 01:06	EM122	alter course	258.4	8.1	1825	18° 45.876' N	114° 10.193' E	213.3	12.8
SO269_62-3	14.08.2019 01:38	EM122	alter course	272.6	6.1	1551	18° 48.219' N	114° 06.383' E	215.5	12.6
SO269_62-3	14.08.2019 01:49	EM122	alter course	170.1	6.4	1509	18° 47.168' N	114° 05.497' E	219.7	11.3
SO269_62-3	14.08.2019 02:23	EM122	profile end	120.2	7.7	1766	18° 44.417' N	114° 09.386' E	230.5	11.5
SO269_62-4	14.08.2019 04:16	MOOR	station start	234.5	0.9	1474	18° 49.341' N	114° 09.224' E	218.9	9.6
SO269_62-4	14.08.2019 04:20	MOOR	in the water	210.3	0.5	1483	18° 49.301' N	114° 09.201' E	215.4	9.0
SO269_62-4	14.08.2019 04:24	MOOR	in the water	208.6	1.0	1487	18° 49.242' N	114° 09.153' E	213.9	9.1
SO269_62-4	14.08.2019 04:30	MOOR	in the water	209.9	1.0	1493	18° 49.170' N	114° 09.097' E	223.1	8.9
SO269_62-4	14.08.2019 04:37	MOOR	in the water	221.6	0.8	1504	18° 49.077' N	114° 09.023' E	215.0	7.8
SO269_62-4	14.08.2019 04:58	MOOR	in the water	226.6	1.2	1534	18° 48.788' N	114° 08.793' E	215.2	8.8
SO269_62-4	14.08.2019 05:06	MOOR	in the water	251.5	0.7	1553	18° 48.721' N	114° 08.741' E	210.0	8.7
SO269_62-4	14.08.2019 05:38	MOOR	in the water	220.0	0.3	1545	18° 48.220' N	114° 08.344' E	204.9	9.0
SO269_62-4	14.08.2019 05:43	MOOR	in the water	212.8	0.9	1548	18° 48.163' N	114° 08.297' E	210.3	8.9
SO269_62-4	14.08.2019 07:00	MOOR	in the water	194.1	0.9	1651	18° 47.317' N	114° 07.626' E	212.2	10.3
SO269_62-4	14.08.2019 07:13	MOOR	in the water	205.8	0.9	1669	18° 47.158' N	114° 07.499' E	211.6	10.7
SO269_62-4	14.08.2019 07:25	MOOR	information	178.6	0.1	1674	18° 47.035' N	114° 07.405' E	200.4	11.9
SO269_62-4	14.08.2019 07:36	MOOR	in the water	274.8	0.1	1671	18° 47.045' N	114° 07.404' E	199.4	12.0
SO269_62-4	14.08.2019 07:55	MOOR	on deck	351.0	0.0	1671	18° 47.044' N	114° 07.403' E	196.3	10.2
SO269_62-4	14.08.2019 08:18	MOOR	in the water	292.3	0.4	1671	18° 48.160' N	114° 07.526' E	204.5	8.2
SO269_62-4	14.08.2019 08:24	MOOR	on deck	157.8	0.2	1671	18° 48.160' N	114° 07.528' E	207.2	7.6

SO269_62-4	14.08.2019 08:45	MOOR	in the water	233.3	0.1	1671	18° 47.511' N	114° 08.456' E	212.9	9.5
SO269_62-4	14.08.2019 08:52	MOOR	on deck	295.9	0.4	1671	18° 47.510' N	114° 08.459' E	225.7	8.9
SO269_62-4	14.08.2019 08:55	MOOR	station end	233.9	0.5	n.d.	18° 47.505' N	114° 08.442' E	223.3	9.3
SO269_62-5	14.08.2019 09:06	CTD	station start	242.7	0.5	n.d.	18° 47.481' N	114° 08.371' E	228.1	10.1
SO269_62-5	14.08.2019 09:12	CTD	in the water	57.8	0.5	1654	18° 47.475' N	114° 08.365' E	222.8	10.2
SO269_62-5	14.08.2019 09:52	CTD	max depth/on ground	156.2	0.3	1653	18° 47.480' N	114° 08.360' E	234.6	10.0
SO269_62-5	14.08.2019 09:53	CTD	hoisting	32.9	0.1	1653	18° 47.480' N	114° 08.360' E	239.0	10.5
SO269_62-5	14.08.2019 10:27	CTD	on deck	297.6	0.2	1655	18° 47.479' N	114° 08.362' E	243.2	8.9
SO269_62-5	14.08.2019 10:31	CTD	station end	342.3	0.2	1653	18° 47.480' N	114° 08.363' E	242.9	8.5
SO269_62-6	14.08.2019 10:51	EM122	profile start	225.3	4.0	1658	18° 47.355' N	114° 08.654' E	230.9	8.3
SO269_62-6	14.08.2019 11:22	EM122	alter course	297.5	9.2	1559	18° 45.863' N	114° 06.970' E	220.7	13.3
SO269_62-6	14.08.2019 11:46	EM122	alter course	57.4	6.9	n.d.	18° 47.763' N	114° 07.874' E	209.8	9.3
SO269_62-6	14.08.2019 12:05	EM122	profile end	219.3	4.1	1670	18° 46.794' N	114° 07.208' E	223.3	8.5
SO269_63-1	14.08.2019 21:53	CTD	station start	206.8	0.4	3706	18° 36.698' N	115° 17.422' E	207.8	11.1
SO269_63-1	14.08.2019 21:55	CTD	in the water	353.1	0.2	3692	18° 36.690' N	115° 17.418' E	206.1	12.0
SO269_63-1	14.08.2019 23:08	CTD	max depth/on ground	320.7	0.1	3697	18° 36.655' N	115° 17.400' E	209.1	12.6
SO269_63-1	14.08.2019 23:09	CTD	hoisting	63.1	0.1	3688	18° 36.657' N	115° 17.399' E	208.2	14.1
SO269_63-1	15.08.2019 00:36	CTD	on deck	261.6	0.2	3695	18° 36.665' N	115° 17.397' E	206.0	14.5
SO269_63-1	15.08.2019 01:31	CTD	in the water	244.4	0.1	3690	18° 36.662' N	115° 17.396' E	215.7	12.5
SO269_63-1	15.08.2019 01:41	CTD	max depth/on ground	89.5	0.5	3696	18° 36.659' N	115° 17.400' E	214.2	13.3
SO269_63-1	15.08.2019 01:41	CTD	hoisting	68.4	0.4	3696	18° 36.659' N	115° 17.401' E	210.9	13.3
SO269_63-1	15.08.2019 01:55	CTD	on deck	29.7	0.7	3698	18° 36.658' N	115° 17.407' E	212.5	13.2
SO269_63-1	15.08.2019 02:05	CTD	station end	311.0	0.1	3692	18° 36.659' N	115° 17.403' E	215.0	11.8
SO269_63-2	15.08.2019 02:05	MSN	station start	63.0	0.2	3696	18° 36.659' N	115° 17.404' E	215.1	12.9
SO269_63-2	15.08.2019 02:07	MSN	in the water	220.7	0.4	3693	18° 36.661' N	115° 17.406' E	211.0	14.0
SO269_63-2	15.08.2019 02:11	MSN	max depth/on ground	20.6	0.4	3685	18° 36.656' N	115° 17.404' E	218.2	11.9
SO269_63-2	15.08.2019 02:12	MSN	hoisting	11.4	0.1	3685	18° 36.657' N	115° 17.404' E	219.9	14.1
SO269_63-2	15.08.2019 02:18	MSN	on deck	250.9	0.2	3693	18° 36.663' N	115° 17.405' E	214.4	13.7
SO269_63-2	15.08.2019 02:25	MSN	in the water	219.6	0.2	3703	18° 36.657' N	115° 17.396' E	215.7	11.8
SO269_63-2	15.08.2019 02:50	MSN	max depth/on ground	8.6	0.3	3694	18° 36.661' N	115° 17.400' E	216.0	11.4

SO269_63-2	15.08.2019 02:51	MSN	hoisting	83.7	0.3	3696	18° 36.663' N	115° 17.402' E	217.7	13.9
SO269_63-2	15.08.2019 03:17	MSN	on deck	69.1	0.4	3700	18° 36.660' N	115° 17.399' E	217.6	13.2
SO269_63-2	15.08.2019 03:24	MSN	in the water	45.8	0.6	3677	18° 36.658' N	115° 17.401' E	214.5	14.5
SO269_63-2	15.08.2019 04:18	MSN	max depth/on ground	245.6	0.4	3693	18° 36.659' N	115° 17.399' E	219.4	10.9
SO269_63-2	15.08.2019 04:19	MSN	hoisting	142.8	0.2	3685	18° 36.659' N	115° 17.398' E	226.4	9.7
SO269_63-2	15.08.2019 05:09	MSN	on deck	289.3	0.6	3683	18° 36.659' N	115° 17.398' E	222.1	11.6
SO269_63-2	15.08.2019 05:13	MSN	station end	67.9	0.3	3692	18° 36.662' N	115° 17.399' E	221.0	11.4
SO269_63-3	15.08.2019 05:13	MUC	station start	214.3	0.3	3688	18° 36.662' N	115° 17.402' E	219.7	10.8
SO269_63-3	15.08.2019 05:20	MUC	in the water	343.1	0.2	3686	18° 36.658' N	115° 17.393' E	222.3	10.7
SO269_63-3	15.08.2019 06:33	MUC	max depth/on ground	237.1	0.2	3696	18° 36.657' N	115° 17.399' E	213.5	10.8
SO269_63-3	15.08.2019 06:35	MUC	hoisting	92.9	0.3	3694	18° 36.662' N	115° 17.401' E	212.1	10.9
SO269_63-3	15.08.2019 08:18	MUC	on deck	216.2	0.3	3690	18° 36.655' N	115° 17.403' E	216.0	9.4
SO269_63-3	15.08.2019 08:19	MUC	station end	34.3	0.7	3692	18° 36.655' N	115° 17.403' E	214.0	9.7
SO269_64-1	15.08.2019 08:29	ADCP	profile start	324.9	5.9	3689	18° 36.700' N	115° 17.580' E	205.6	11.2
SO269_64-1	15.08.2019 11:47	ADCP	profile end	308.5	3.2	2290	19° 01.206' N	115° 07.894' E	197.7	10.2
SO269_65-1	15.08.2019 11:52	CTD	station start	10.1	0.6	2281	19° 01.273' N	115° 07.772' E	204.6	11.7
SO269_65-1	15.08.2019 11:54	CTD	in the water	288.1	0.3	2282	19° 01.285' N	115° 07.772' E	211.7	10.1
SO269_65-1	15.08.2019 12:45	CTD	max depth/on ground	178.2	0.3	2276	19° 01.203' N	115° 07.794' E	204.7	12.1
SO269_65-1	15.08.2019 12:46	CTD	hoisting	261.6	0.5	2281	19° 01.203' N	115° 07.793' E	204.1	11.2
SO269_65-1	15.08.2019 13:53	CTD	on deck	96.7	0.1	2278	19° 01.205' N	115° 07.804' E	200.1	10.5
SO269_65-1	15.08.2019 13:53	CTD	station end	145.5	0.1	2274	19° 01.206' N	115° 07.804' E	207.4	12.1
SO269_65-2	15.08.2019 13:58	PLA	station start	339.5	0.4	2276	19° 01.199' N	115° 07.795' E	202.1	9.0
SO269_65-2	15.08.2019 13:59	PLA	in the water	122.5	0.2	2274	19° 01.203' N	115° 07.794' E	208.6	9.1
SO269_65-2	15.08.2019 14:07	PLA	max depth/on ground	342.7	0.3	2275	19° 01.198' N	115° 07.793' E	200.5	10.2
SO269_65-2	15.08.2019 14:07	PLA	hoisting	219.1	0.2	2278	19° 01.198' N	115° 07.793' E	206.3	11.9
SO269_65-2	15.08.2019 14:24	PLA	on deck	272.9	0.5	2275	19° 01.198' N	115° 07.797' E	207.3	10.9
SO269_65-2	15.08.2019 14:30	PLA	station end	301.3	0.4	2277	19° 01.202' N	115° 07.794' E	202.3	10.1
SO269_65-3	15.08.2019 14:31	MUC	station start	68.0	0.1	2274	19° 01.202' N	115° 07.793' E	202.6	10.9
SO269_65-3	15.08.2019 14:37	MUC	in the water	157.5	0.3	2275	19° 01.203' N	115° 07.799' E	206.7	10.6
SO269_65-3	15.08.2019 14:50	MUC	information	268.1	0.1	2277	19° 01.197' N	115° 07.796' E	205.9	10.9

SO269_65-3	15.08.2019 16:28	MUC	max depth/on ground	61.9	0.3	2281	19° 01.200' N	115° 07.804' E	211.6	11.5
SO269_65-3	15.08.2019 16:30	MUC	hoisting	192.2	0.5	2274	19° 01.200' N	115° 07.804' E	212.2	12.3
SO269_65-3	15.08.2019 17:36	MUC	on deck	251.1	0.2	2277	19° 01.199' N	115° 07.800' E	205.8	11.8
SO269_65-3	15.08.2019 17:37	MUC	station end	308.2	0.1	2276	19° 01.200' N	115° 07.802' E	209.8	11.4
SO269_66-1	15.08.2019 17:54	ADCP	station start	346.1	6.3	2286	19° 01.007' N	115° 07.851' E	208.3	11.4
SO269_66-1	15.08.2019 21:12	ADCP	profile end	325.7	4.5	1479	19° 25.620' N	114° 58.337' E	199.0	11.6
SO269_67-1	15.08.2019 21:20	CTD	station start	145.9	0.0	1475	19° 25.822' N	114° 58.218' E	210.7	10.1
SO269_67-1	15.08.2019 21:21	CTD	in the water	230.3	0.3	1475	19° 25.818' N	114° 58.213' E	213.2	8.4
SO269_67-1	15.08.2019 21:57	CTD	max depth/on ground	196.9	0.3	1476	19° 25.684' N	114° 58.197' E	226.4	12.8
SO269_67-1	15.08.2019 21:58	CTD	hoisting	242.0	0.2	1475	19° 25.683' N	114° 58.196' E	211.3	10.0
SO269_67-1	15.08.2019 22:38	CTD	on deck	29.3	0.3	1474	19° 25.679' N	114° 58.195' E	214.8	10.6
SO269_67-1	15.08.2019 22:41	CTD	station end	111.4	0.3	1475	19° 25.682' N	114° 58.199' E	211.3	10.7
SO269_67-2	15.08.2019 22:43	MUC	station start	30.9	0.1	1475	19° 25.683' N	114° 58.203' E	211.7	12.1
SO269_67-2	15.08.2019 22:47	MUC	in the water	152.0	0.3	1473	19° 25.681' N	114° 58.197' E	209.7	11.9
SO269_67-2	15.08.2019 23:20	MUC	max depth/on ground	132.0	0.2	1474	19° 25.681' N	114° 58.205' E	220.4	10.1
SO269_67-2	16.08.2019 00:07	MUC	on deck	10.8	0.2	1476	19° 25.676' N	114° 58.206' E	211.2	12.1
SO269_67-2	16.08.2019 00:09	MUC	station end	193.8	0.4	1479	19° 25.679' N	114° 58.208' E	211.4	12.7
SO269_68-1	16.08.2019 00:24	ADCP	profile start	342.1	7.2	1475	19° 25.677' N	114° 58.179' E	201.5	10.6
SO269_68-1	16.08.2019 02:03	ADCP	profile end	333.1	3.9	1604	19° 37.832' N	114° 53.604' E	206.2	11.2
SO269_69-1	16.08.2019 02:15	CTD	station start	10.4	0.2	1597	19° 37.894' N	114° 53.408' E	218.0	12.2
SO269_69-1	16.08.2019 02:18	CTD	in the water	339.9	0.6	1602	19° 37.889' N	114° 53.404' E	216.5	11.2
SO269_69-1	16.08.2019 02:55	CTD	max depth/on ground	97.7	0.0	1595	19° 37.864' N	114° 53.395' E	217.4	12.0
SO269_69-1	16.08.2019 03:40	CTD	on deck	285.7	0.4	1593	19° 37.860' N	114° 53.394' E	212.8	10.7
SO269_69-1	16.08.2019 03:40	CTD	station end	282.0	0.4	1595	19° 37.860' N	114° 53.394' E	215.7	9.7
SO269_70-1	16.08.2019 03:58	ADCP	profile start	330.7	6.0	1596	19° 37.848' N	114° 53.402' E	202.6	9.6
SO269_70-1	16.08.2019 05:38	ADCP	station end	332.2	6.70	1044	19° 50.043' N	114° 48.199' E	206.6	9.6
SO269_71-1	16.08.2019 05:45	CTD	station start	354.6	0.2	998	19° 50.147' N	114° 47.945' E	210.9	10.4
SO269_71-1	16.08.2019 05:47	CTD	in the water	149.2	0.5	995	19° 50.145' N	114° 47.953' E	216.1	12.4
SO269_71-1	16.08.2019 06:13	CTD	max depth/on ground	166.8	0.1	997	19° 50.101' N	114° 47.998' E	218.9	11.5
SO269_71-1	16.08.2019 06:46	CTD	on deck	168.2	0.2	1000	19° 50.097' N	114° 47.997' E	210.2	8.8

SO269_71-1	16.08.2019 06:47	CTD	station end	159.1	0.1	997	19° 50.095' N	114° 47.997' E	211.0	9.8
SO269_71-2	16.08.2019 06:48	MSS	station start	12.0	0.3	999	19° 50.097' N	114° 47.997' E	214.4	11.3
SO269_71-2	16.08.2019 06:52	MSS	in the water	306.9	0.3	1003	19° 50.102' N	114° 47.998' E	214.7	9.9
SO269_71-2	16.08.2019 07:03	MSS	max depth/on ground	159.0	0.2	1010	19° 50.100' N	114° 47.998' E	209.1	10.3
SO269_71-2	16.08.2019 07:24	MSS	at surface	325.3	0.3	998	19° 50.103' N	114° 47.999' E	211.2	10.6
SO269_71-2	16.08.2019 07:34	MSS	max depth/on ground	6.4	0.5	1004	19° 50.104' N	114° 47.995' E	202.3	10.8
SO269_71-2	16.08.2019 07:52	MSS	at surface	170.9	0.2	999	19° 50.097' N	114° 48.002' E	210.4	10.2
SO269_71-2	16.08.2019 08:02	MSS	max depth/on ground	139.3	0.4	1002	19° 50.104' N	114° 48.001' E	207.7	11.2
SO269_71-2	16.08.2019 08:18	MSS	on deck	168.1	0.2	1002	19° 50.101' N	114° 47.996' E	206.9	10.6
SO269_71-2	16.08.2019 08:20	MSS	station end	245.2	0.3	999	19° 50.104' N	114° 47.994' E	209.5	9.9
SO269_71-3	16.08.2019 08:27	MUC	station start	110.8	0.2	999	19° 50.100' N	114° 47.999' E	214.3	9.6
SO269_71-3	16.08.2019 08:29	MUC	in the water	177.7	0.4	1003	19° 50.099' N	114° 47.997' E	211.2	10.7
SO269_71-3	16.08.2019 08:58	MUC	max depth/on ground	242.8	0.1	1009	19° 50.101' N	114° 47.999' E	209.5	8.7
SO269_71-3	16.08.2019 08:59	MUC	hoisting	199.7	0.2	999	19° 50.100' N	114° 47.999' E	196.9	9.5
SO269_71-3	16.08.2019 09:25	MUC	on deck	143.1	0.1	1000	19° 50.096' N	114° 48.001' E	208.4	8.4
SO269_71-3	16.08.2019 09:28	MUC	station end	117.6	0.5	998	19° 50.098' N	114° 48.001' E	213.9	10.8
SO269_71-4	16.08.2019 09:29	GC	station start	56.4	0.2	998	19° 50.099' N	114° 48.000' E	206.3	11.1
SO269_71-4	16.08.2019 09:35	GC	in the water	283.5	0.2	1009	19° 50.101' N	114° 48.000' E	206.4	10.7
SO269_71-4	16.08.2019 09:58	GC	max depth/on ground	294.8	0.2	1000	19° 50.099' N	114° 48.000' E	219.5	8.4
SO269_71-4	16.08.2019 09:59	GC	hoisting	40.9	0.7	999	19° 50.099' N	114° 48.000' E	218.4	9.6
SO269_71-4	16.08.2019 10:24	GC	on deck	158.9	0.3	999	19° 50.105' N	114° 48.002' E	212.7	9.8
SO269_71-4	16.08.2019 10:26	GC	station end	101.5	0.4	1003	19° 50.106' N	114° 48.001' E	212.4	9.3
SO269_71-5	16.08.2019 10:58	GC	station start	279.0	0.6	1002	19° 50.109' N	114° 48.003' E	217.7	9.5
SO269_71-5	16.08.2019 11:08	GC	in the water	129.0	0.1	1000	19° 50.101' N	114° 47.996' E	206.7	9.7
SO269_71-5	16.08.2019 11:36	GC	max depth/on ground	320.9	0.1	1001	19° 50.095' N	114° 48.005' E	218.4	9.4
SO269_71-5	16.08.2019 12:00	GC	on deck	330.2	0.5	998	19° 50.102' N	114° 47.999' E	217.6	8.8
SO269_71-5	16.08.2019 12:03	GC	station end	107.4	0.5	997	19° 50.105' N	114° 47.999' E	217.1	9.2
SO269_72-1	16.08.2019 12:08	ADCP	profile start	305.5	5.6	991	19° 50.115' N	114° 47.880' E	219.5	12.4
SO269_72-1	16.08.2019 12:50	ADCP	alter course	320.1	8.4	587	19° 53.411' N	114° 43.262' E	248.3	11.7
SO269_72-1	16.08.2019 14:20	ADCP	profile end	326.4	2.8	189	20° 02.261' N	114° 35.449' E	223.1	8.5

SO269_73-1	16.08.2019 14:34	CTD	station start	84.7	0.1	189	20° 02.272' N	114° 35.157' E	227.5	6.9
SO269_73-1	16.08.2019 14:37	CTD	in the water	322.7	0.1	189	20° 02.274' N	114° 35.156' E	225.2	7.5
SO269_73-1	16.08.2019 14:50	CTD	max depth/on ground	200.0	0.3	189	20° 02.270' N	114° 35.158' E	231.8	6.3
SO269_73-1	16.08.2019 14:51	CTD	hoisting	157.8	0.2	188	20° 02.270' N	114° 35.158' E	231.2	7.0
SO269_73-1	16.08.2019 15:05	CTD	on deck	190.6	0.5	189	20° 02.256' N	114° 35.158' E	224.0	7.8
SO269_73-1	16.08.2019 15:08	CTD	station end	247.9	0.1	189	20° 02.256' N	114° 35.158' E	225.7	7.1
SO269_73-2	16.08.2019 15:12	PLA	station start	125.1	0.3	188	20° 02.255' N	114° 35.158' E	221.2	7.1
SO269_73-2	16.08.2019 15:16	PLA	in the water	272.5	0.2	189	20° 02.253' N	114° 35.158' E	227.0	6.2
SO269_73-2	16.08.2019 15:30	PLA	max depth/on ground	12.9	0.8	187	20° 02.259' N	114° 35.160' E	218.7	5.9
SO269_73-2	16.08.2019 15:30	PLA	hoisting	75.0	0.0	189	20° 02.260' N	114° 35.160' E	224.4	5.8
SO269_73-2	16.08.2019 15:43	PLA	on deck	162.6	0.8	188	20° 02.253' N	114° 35.158' E	201.3	7.5
SO269_73-2	16.08.2019 15:44	PLA	station end	357.2	0.1	189	20° 02.253' N	114° 35.158' E	208.7	7.8
SO269_73-3	16.08.2019 15:50	MSS	station start	182.4	0.5	189	20° 02.256' N	114° 35.158' E	206.1	7.0
SO269_73-3	16.08.2019 16:03	MSS	in the water	310.2	0.3	189	20° 02.255' N	114° 35.157' E	196.4	7.0
SO269_73-3	16.08.2019 16:08	MSS	information	75.4	1.3	188	20° 02.261' N	114° 35.174' E	197.8	6.8
SO269_73-3	16.08.2019 16:14	MSS	station end	303.6	2.0	189	20° 02.312' N	114° 35.216' E	190.0	6.9
SO269_74-1	16.08.2019 16:21	ADCP	station start	316.6	7.0	187	20° 02.610' N	114° 34.785' E	185.0	7.2
SO269_74-1	16.08.2019 17:09	ADCP	alter course	349.5	8.1	180	20° 07.415' N	114° 30.349' E	201.9	8.3
SO269_74-1	16.08.2019 18:26	ADCP	station end	54.1	7.5	165	20° 14.235' N	114° 38.349' E	214.3	8.5
SO269_75-1	16.08.2019 18:36	CTD	station start	269.6	0.2	162	20° 14.491' N	114° 38.406' E	206.6	8.7
SO269_75-1	16.08.2019 18:37	CTD	in the water	177.1	0.5	163	20° 14.488' N	114° 38.403' E	210.6	9.1
SO269_75-1	16.08.2019 18:49	CTD	max depth/on ground	342.9	0.1	163	20° 14.457' N	114° 38.398' E	211.4	8.8
SO269_75-1	16.08.2019 19:00	CTD	on deck	28.5	0.3	162	20° 14.458' N	114° 38.396' E	213.1	8.0
SO269_75-1	16.08.2019 19:02	CTD	station end	77.1	0.3	163	20° 14.462' N	114° 38.398' E	214.7	8.2
SO269_76-1	16.08.2019 19:15	ADCP	station start	350.9	5.7	163	20° 14.300' N	114° 38.412' E	210.5	9.0
SO269_76-1	16.08.2019 20:52	ADCP	station end	343.6	5.4	117	20° 26.481' N	114° 33.721' E	207.2	11.1
SO269_77-1	16.08.2019 20:57	CTD	station start	3.1	0.8	116	20° 26.642' N	114° 33.559' E	202.5	12.5
SO269_77-1	16.08.2019 21:05	CTD	in the water	326.2	0.4	115	20° 26.652' N	114° 33.562' E	208.8	9.7
SO269_77-1	16.08.2019 21:17	CTD	max depth/on ground	117.5	0.6	116	20° 26.618' N	114° 33.580' E	203.8	10.3
SO269_77-1	16.08.2019 21:18	CTD	hoisting	88.0	0.1	115	20° 26.614' N	114° 33.581' E	210.3	9.5

SO269_77-1	16.08.2019 21:26	CTD	on deck	156.8	0.2	115	20° 26.591' N	114° 33.596' E	211.1	9.7
SO269_77-1	16.08.2019 21:30	CTD	station end	93.2	0.4	116	20° 26.579' N	114° 33.600' E	204.2	9.6
SO269_77-2	16.08.2019 21:31	MSN	station start	163.5	0.0	116	20° 26.579' N	114° 33.601' E	210.4	9.6
SO269_77-2	16.08.2019 21:35	MSN	in the water	291.1	0.2	116	20° 26.576' N	114° 33.599' E	208.5	10.5
SO269_77-2	16.08.2019 21:40	MSN	max depth/on ground	92.5	0.3	117	20° 26.577' N	114° 33.602' E	209.5	10.4
SO269_77-2	16.08.2019 21:41	MSN	hoisting	333.2	0.2	116	20° 26.578' N	114° 33.604' E	211.0	9.5
SO269_77-2	16.08.2019 21:48	MSN	on deck	39.5	0.3	115	20° 26.579' N	114° 33.605' E	214.7	9.5
SO269_77-2	16.08.2019 21:54	MSN	station end	155.4	0.1	116	20° 26.577' N	114° 33.600' E	207.4	10.7
SO269_77-3	16.08.2019 21:55	MUC	station start	288.6	0.3	116	20° 26.577' N	114° 33.599' E	207.8	10.5
SO269_77-3	16.08.2019 21:59	MUC	in the water	144.9	0.1	117	20° 26.576' N	114° 33.596' E	206.6	9.7
SO269_77-3	16.08.2019 22:06	MUC	max depth/on ground	67.4	0.2	116	20° 26.577' N	114° 33.600' E	214.1	9.2
SO269_77-3	16.08.2019 22:07	MUC	hoisting	296.7	0.3	116	20° 26.578' N	114° 33.600' E	207.0	10.5
SO269_77-3	16.08.2019 22:13	MUC	on deck	24.0	0.2	116	20° 26.580' N	114° 33.595' E	207.1	9.8
SO269_77-3	16.08.2019 22:15	MUC	station end	351.3	0.2	116	20° 26.582' N	114° 33.595' E	207.2	9.2
SO269_78-1	16.08.2019 22:27	ADCP	profile start	226.4	6.0	115	20° 26.583' N	114° 33.610' E	202.0	12.3
SO269_78-1	17.08.2019 02:40	ADCP	profile end	267.1	0.4	181	20° 06.190' N	114° 06.657' E	203.9	11.5
SO269_79-1	17.08.2019 02:43	CTD	station start	146.5	0.3	181	20° 06.187' N	114° 06.654' E	207.7	11.0
SO269_79-1	17.08.2019 02:45	CTD	in the water	197.9	0.3	181	20° 06.182' N	114° 06.653' E	209.2	11.3
SO269_79-1	17.08.2019 02:56	CTD	max depth/on ground	195.3	0.2	182	20° 06.143' N	114° 06.658' E	214.5	11.6
SO269_79-1	17.08.2019 02:57	CTD	hoisting	15.3	0.3	180	20° 06.142' N	114° 06.658' E	213.0	10.3
SO269_79-1	17.08.2019 03:03	CTD	on deck	180.5	0.2	181	20° 06.121' N	114° 06.661' E	210.8	12.4
SO269_79-1	17.08.2019 03:03	CTD	station end	158.3	0.1	180	20° 06.121' N	114° 06.661' E	210.4	10.4
SO269_79-2	17.08.2019 03:08	MUC	station start	356.4	0.4	180	20° 06.124' N	114° 06.667' E	205.4	10.9
SO269_79-2	17.08.2019 03:12	MUC	in the water	254.5	0.2	180	20° 06.122' N	114° 06.666' E	215.3	10.8
SO269_79-2	17.08.2019 03:21	MUC	max depth/on ground	141.7	0.4	180	20° 06.122' N	114° 06.667' E	216.8	12.1
SO269_79-2	17.08.2019 03:21	MUC	hoisting	134.9	0.4	181	20° 06.121' N	114° 06.667' E	215.8	11.3
SO269_79-2	17.08.2019 03:29	MUC	on deck	154.3	0.2	181	20° 06.118' N	114° 06.665' E	219.0	13.0
SO269_79-2	17.08.2019 03:29	MUC	station end	346.3	0.3	180	20° 06.118' N	114° 06.666' E	218.1	11.4
SO269_79-3	17.08.2019 03:47	GC	station start	329.0	0.4	180	20° 06.118' N	114° 06.665' E	209.4	11.0
SO269_79-3	17.08.2019 03:50	GC	in the water	38.8	0.2	180	20° 06.120' N	114° 06.666' E	216.2	11.4

SO269_79-3	17.08.2019 04:05	GC	max depth/on ground	146.9	0.2	181	20° 06.119' N	114° 06.666' E	213.6	10.5
SO269_79-3	17.08.2019 04:07	GC	hoisting	213.3	0.4	181	20° 06.118' N	114° 06.663' E	221.5	10.9
SO269_79-3	17.08.2019 04:15	GC	on deck	77.9	0.3	180	20° 06.117' N	114° 06.668' E	223.7	11.5
SO269_79-3	17.08.2019 04:17	GC	station end	219.7	0.2	181	20° 06.120' N	114° 06.669' E	229.5	10.2
SO269_79-4	17.08.2019 04:32	GC	station start	254.8	0.2	180	20° 06.120' N	114° 06.657' E	222.3	10.0
SO269_79-4	17.08.2019 04:34	GC	in the water	141.3	0.2	181	20° 06.121' N	114° 06.656' E	224.3	10.9
SO269_79-4	17.08.2019 04:42	GC	max depth/on ground	50.4	0.3	180	20° 06.124' N	114° 06.662' E	217.2	12.0
SO269_79-4	17.08.2019 04:43	GC	hoisting	128.9	0.4	181	20° 06.124' N	114° 06.662' E	223.7	11.6
SO269_79-4	17.08.2019 04:51	GC	on deck	222.5	0.3	180	20° 06.122' N	114° 06.664' E	215.9	10.7
SO269_79-4	17.08.2019 04:59	GC	station end	351.4	0.4	179	20° 06.116' N	114° 06.665' E	224.5	11.1
SO269_80-1	17.08.2019 05:10	ADCP	station start	50.8	7.3	176	20° 06.424' N	114° 06.644' E	210.1	10.0
SO269_80-1	17.08.2019 09:58	ADCP	profile end	88.2	4.8	97	20° 38.818' N	114° 28.694' E	219.5	9.9
SO269_81-1	17.08.2019 10:03	CTD	station start	93.2	0.4	97	20° 38.792' N	114° 28.862' E	214.4	8.3
SO269_81-1	17.08.2019 10:05	CTD	in the water	200.6	0.3	96	20° 38.789' N	114° 28.869' E	214.1	8.3
SO269_81-1	17.08.2019 10:14	CTD	max depth/on ground	255.4	0.3	96	20° 38.796' N	114° 28.860' E	205.8	7.9
SO269_81-1	17.08.2019 10:15	CTD	hoisting	190.9	0.5	97	20° 38.792' N	114° 28.858' E	206.3	8.2
SO269_81-1	17.08.2019 10:24	CTD	on deck	151.6	0.1	96	20° 38.790' N	114° 28.860' E	211.9	9.2
SO269_81-1	17.08.2019 10:25	CTD	station end	124.1	0.2	97	20° 38.790' N	114° 28.860' E	213.9	9.0
SO269_82-1	17.08.2019 10:36	ADCP	profile start	337.0	8.4	97	20° 38.842' N	114° 28.884' E	205.9	9.2
SO269_82-1	17.08.2019 12:22	ADCP	profile end	175.0	0.4	87	20° 50.893' N	114° 24.004' E	264.8	6.8
SO269_83-1	17.08.2019 12:23	CTD	station start	10.0	0.3	87	20° 50.894' N	114° 24.006' E	249.2	5.8
SO269_83-1	17.08.2019 12:24	CTD	in the water	340.9	0.2	86	20° 50.898' N	114° 24.008' E	249.5	5.0
SO269_83-1	17.08.2019 12:34	CTD	max depth/on ground	64.7	0.2	87	20° 50.896' N	114° 24.003' E	257.0	6.1
SO269_83-1	17.08.2019 12:36	CTD	hoisting	353.4	0.1	87	20° 50.896' N	114° 24.002' E	257.7	5.2
SO269_83-1	17.08.2019 12:45	CTD	on deck	277.4	0.4	88	20° 50.886' N	114° 24.009' E	304.0	10.1
SO269_83-1	17.08.2019 12:45	CTD	station end	334.4	0.8	87	20° 50.887' N	114° 24.009' E	302.9	9.2
SO269_83-2	17.08.2019 12:49	PUMP	station start	194.5	0.8	88	20° 50.899' N	114° 24.002' E	290.8	6.7
SO269_83-2	17.08.2019 12:54	PUMP	in the water	254.7	0.2	87	20° 50.906' N	114° 24.003' E	296.6	8.5
SO269_83-2	17.08.2019 14:13	PUMP	max depth/on ground	38.7	0.5	86	20° 50.902' N	114° 24.007' E	212.5	4.0
SO269_83-2	17.08.2019 14:14	PUMP	information	279.1	0.4	88	20° 50.902' N	114° 24.007' E	209.3	3.9

SO269_83-2	17.08.2019 17:34	PUMP	information	210.6	0.1	87	20° 50.907' N	114° 23.999' E	194.7	8.5
SO269_83-2	17.08.2019 17:44	PUMP	at surface	137.6	0.8	86	20° 50.896' N	114° 24.005' E	199.4	7.9
SO269_83-2	17.08.2019 17:48	PUMP	on deck	88.7	0.1	87	20° 50.896' N	114° 24.004' E	196.7	9.1
SO269_83-2	17.08.2019 17:53	PUMP	station end	118.3	0.2	87	20° 50.902' N	114° 24.005' E	198.1	8.2
SO269_84-1	17.08.2019 18:10	ADCP	station start	247.6	4.8	89	20° 50.997' N	114° 24.230' E	195.6	11.7
SO269_84-1	17.08.2019 22:07	ADCP	profile end	258.7	5.0	83	20° 39.172' N	113° 53.452' E	209.2	12.8
SO269_85-1	17.08.2019 22:13	CTD	station start	210.2	0.8	83	20° 38.930' N	113° 53.214' E	223.2	7.1
SO269_85-1	17.08.2019 22:15	CTD	in the water	273.5	0.2	83	20° 38.924' N	113° 53.211' E	226.1	5.0
SO269_85-1	17.08.2019 22:24	CTD	max depth/on ground	323.3	0.2	83	20° 38.898' N	113° 53.201' E	215.8	7.9
SO269_85-1	17.08.2019 22:25	CTD	hoisting	251.1	0.3	84	20° 38.897' N	113° 53.200' E	216.8	8.2
SO269_85-1	17.08.2019 22:29	CTD	on deck	166.3	0.1	84	20° 38.904' N	113° 53.200' E	216.9	9.0
SO269_85-1	17.08.2019 22:33	CTD	station end	0.3	0.1	84	20° 38.904' N	113° 53.202' E	213.2	9.0
SO269_85-2	17.08.2019 22:34	MUC	station start	13.0	0.3	84	20° 38.905' N	113° 53.202' E	210.9	9.4
SO269_85-2	17.08.2019 22:37	MUC	in the water	191.3	0.3	84	20° 38.905' N	113° 53.198' E	206.9	10.0
SO269_85-2	17.08.2019 22:42	MUC	max depth/on ground	345.1	0.2	84	20° 38.898' N	113° 53.199' E	215.9	8.9
SO269_85-2	17.08.2019 22:43	MUC	hoisting	20. 20.4	0.3	84	20° 38.899' N	113° 53.200' E	212.0	9.2
SO269_85-2	17.08.2019 22:48	MUC	on deck	249.9	0.2	84	20° 38.900' N	113° 53.206' E	213.6	10.6
SO269_85-2	17.08.2019 22:51	MUC	station end	130.0	0.2	83	20° 38.901' N	113° 53.208' E	218.9	10.0
SO269_85-3	17.08.2019 22:54	GC	station start	276.4	0.3	84	20° 38.898' N	113° 53.209' E	227.9	10.9
SO269_85-3	17.08.2019 22:59	GC	in the water	156.5	0.3	84	20° 38.903' N	113° 53.201' E	228.6	10.0
SO269_85-3	17.08.2019 23:05	GC	max depth/on ground	267.5	0.1	84	20° 38.899' N	113° 53.199' E	231.0	9.7
SO269_85-3	17.08.2019 23:05	GC	hoisting	5.2	0.2	84	20° 38.898' N	113° 53.199' E	227.4	7.9
SO269_85-3	17.08.2019 23:13	GC	on deck	258.2	0.4	84	20° 38.901' N	113° 53.201' E	239.7	7.1
SO269_85-3	17.08.2019 23:20	GC	station end	24.7	0.2	83	20° 38.905' N	113° 53.198' E	228.8	8.2
SO269_85-4	17.08.2019 23:21	GC	station start	87.6	0.2	84	20° 38.905' N	113° 53.199' E	223.3	8.1
SO269_85-4	17.08.2019 23:28	GC	in the water	237.8	0.5	85	20° 38.906' N	113° 53.201' E	220.6	8.8
SO269_85-4	17.08.2019 23:33	GC	max depth/on ground	254.2	0.2	84	20° 38.904' N	113° 53.198' E	221.6	8.7
SO269_85-4	17.08.2019 23:34	GC	hoisting	223.4	0.4	84	20° 38.903' N	113° 53.198' E	218.5	7.5
SO269_85-4	17.08.2019 23:42	GC	on deck	119.0	0.2	84	20° 38.901' N	113° 53.201' E	221.6	9.4
SO269_85-4	17.08.2019 23:45	GC	station end	324.2	0.4	84	20° 38.902' N	113° 53.205' E	220.2	8.5

SO269_85-5	17.08.2019 23:46	GC	station start	109.2	0.1	84	20° 38.902' N	113° 53.206' E	217.6	9.0
SO269_85-5	17.08.2019 23:52	GC	in the water	217.1	0.2	84	20° 38.902' N	113° 53.205' E	213.6	8.8
SO269_85-5	17.08.2019 23:58	GC	max depth/on ground	238.1	0.2	84	20° 38.905' N	113° 53.201' E	216.0	8.9
SO269_85-5	17.08.2019 23:59	GC	hoisting	352.3	0.3	83	20° 38.903' N	113° 53.200' E	216.7	10.1
SO269_85-5	18.08.2019 00:06	GC	on deck	335.4	0.3	84	20° 38.901' N	113° 53.208' E	216.9	9.5
SO269_85-5	18.08.2019 00:07	GC	station end	181.4	0.2	85	20° 38.902' N	113° 53.208' E	217.7	10.9
SO269_86-1	18.08.2019 00:24	ADCP	profile start	43.1	6.5	84	20° 38.948' N	113° 53.259' E	203.8	6.1
SO269_86-1	18.08.2019 04:37	ADCP	station end	56.1	7.1	78	21° 02.576' N	114° 19.064' E	219.1	10.0
SO269_87-1	18.08.2019 04:53	CTD	station start	7.6	0.2	79	21° 02.915' N	114° 19.216' E	214.2	10.1
SO269_87-1	18.08.2019 04:54	CTD	in the water	226.1	0.5	79	21° 02.916' N	114° 19.213' E	210.4	10.6
SO269_87-1	18.08.2019 05:02	CTD	max depth/on ground	60.1	0.6	78	21° 02.925' N	114° 19.237' E	210.0	11.0
SO269_87-1	18.08.2019 05:14	CTD	on deck	28.6	0.6	78	21° 02.979' N	114° 19.305' E	218.1	8.5
SO269_87-1	18.08.2019 05:15	CTD	station end	47.8	0.4	79	21° 02.982' N	114° 19.308' E	210.6	8.8
SO269_87-2	18.08.2019 05:16	PLA	station start	03.2b	0.8	78	21° 02.989' N	114° 19.317' E	220.1	10.9
SO269_87-2	18.08.2019 05:20	PLA	in the water	99.2	0.5	78	21° 03.002' N	114° 19.334' E	220.0	11.3
SO269_87-2	18.08.2019 05:28	PLA	max depth/on ground	72.4	0.6	78	21° 03.010' N	114° 19.394' E	213.0	11.5
SO269_87-2	18.08.2019 05:37	PLA	on deck	210.6	0.7	78	21° 03.003' N	114° 19.451' E	218.1	9.8
SO269_87-2	18.08.2019 05:38	PLA	station end	265.1	0.7	79	21° 03.003' N	114° 19.447' E	223.1	9.5
SO269_87-3	18.08.2019 05:54	MUC	station start	272.7	0.5	78	21° 02.903' N	114° 19.202' E	209.9	10.3
SO269_87-3	18.08.2019 06:03	MUC	in the water	174.2	0.1	78	21° 02.904' N	114° 19.196' E	217.4	10.5
SO269_87-3	18.08.2019 06:08	MUC	max depth/on ground	352.1	0.1	79	21° 02.897' N	114° 19.204' E	222.8	9.4
SO269_87-3	18.08.2019 06:10	MUC	hoisting	220.3	0.1	79	21° 02.896' N	114° 19.203' E	220.7	9.1
SO269_87-3	18.08.2019 06:14	MUC	on deck	142.4	0.2	78	21° 02.895' N	114° 19.198' E	220.9	9.3
SO269_87-3	18.08.2019 06:16	MUC	station end	263.3	0.4	79	21° 02.896' N	114° 19.197' E	216.4	9.5
SO269_88-1	18.08.2019 06:22	ADCP	station start	347.7	5.3	78	21° 03.094' N	114° 19.095' E	209.3	9.0
SO269_88-1	18.08.2019 08:02	ADCP	profile end	253.9	2.4	71	21° 15.176' N	114° 14.511' E	208.5	10.0
SO269_89-1	18.08.2019 08:06	CTD	station start	200.7	0.9	73	21° 15.085' N	114° 14.403' E	220.5	6.9
SO269_89-1	18.08.2019 08:08	CTD	in the water	84.2	0.2	72	21° 15.077' N	114° 14.415' E	214.2	8.5
SO269_89-1	18.08.2019 08:15	CTD	max depth/on ground	64.5	0.1	72	21° 15.080' N	114° 14.410' E	215.2	8.3
SO269_89-1	18.08.2019 08:16	CTD	hoisting	41.2	0.3	71	21° 15.080' N	114° 14.409' E	211.7	8.9

SO269_89-1	18.08.2019 08:24	CTD	on deck	274.2	0.2	72	21° 15.073' N	114° 14.412' E	214.6	9.1
SO269_89-1	18.08.2019 08:27	CTD	station end	288.6	0.4	73	21° 15.075' N	114° 14.410' E	212.2	8.8
SO269_90-1	18.08.2019 08:36	ADCP	profile start	353.4	6.5	71	21° 15.033' N	114° 14.694' E	211.2	9.5
SO269_90-1	18.08.2019 10:15	ADCP	profile end	271.7	2.1	55	21° 27.128' N	114° 09.686' E	252.7	7.9
SO269_91-1	18.08.2019 10:18	CTD	station start	182.2	0.7	55	21° 27.098' N	114° 09.645' E	251.0	7.9
SO269_91-1	18.08.2019 10:21	CTD	in the water	225.0	0.6	55	21° 27.094' N	114° 09.644' E	253.9	8.7
SO269_91-1	18.08.2019 10:28	CTD	max depth/on ground	193.4	0.1	54	21° 27.095' N	114° 09.620' E	232.0	8.2
SO269_91-1	18.08.2019 10:29	CTD	hoisting	205.4	0.4	56	21° 27.097' N	114° 09.616' E	232.6	8.7
SO269_91-1	18.08.2019 10:36	CTD	on deck	323.1	0.3	55	21° 27.101' N	114° 09.599' E	225.4	8.1
SO269_91-1	18.08.2019 10:40	CTD	station end	307.6	0.1	55	21° 27.104' N	114° 09.598' E	224.8	7.8
SO269_91-2	18.08.2019 10:41	MSN	station start	300.2	0.1	55	21° 27.103' N	114° 09.597' E	218.0	7.4
SO269_91-2	18.08.2019 10:44	MSN	in the water	42.9	0.1	54	21° 27.101' N	114° 09.595' E	215.5	8.0
SO269_91-2	18.08.2019 10:46	MSN	max depth/on ground	53.0	0.2	54	21° 27.103' N	114° 09.598' E	211.6	7.4
SO269_91-2	18.08.2019 10:47	MSN	hoisting	3.9	0.1	55	21° 27.103' N	114° 09.598' E	219.5	6.9
SO269_91-2	18.08.2019 10:52	MSN	on deck	190.6	0.2	55	21° 27.102' N	114° 09.600' E	220.6	6.5
SO269_91-2	18.08.2019 10:57	MSN	station end	3.7	0.4	55	21° 27.097' N	114° 09.596' E	213.3	05.7
SO269_91-3	18.08.2019 11:00	MUC	station start	159.0	0.1	55	21° 27.098' N	114° 09.595' E	227.4	5.2
SO269_91-3	18.08.2019 11:03	MUC	in the water	0.5	0.3	55	21° 27.095' N	114° 09.598' E	212.1	5.9
SO269_91-3	18.08.2019 11:07	MUC	max depth/on ground	80.7	0.1	55	21° 27.095' N	114° 09.598' E	215.8	5.6
SO269_91-3	18.08.2019 11:12	MUC	on deck	352.2	0.7	54	21° 27.097' N	114° 09.599' E	231.3	5.6
SO269_91-3	18.08.2019 11:13	MUC	station end	347.1	0.4	54	21° 27.098' N	114° 09.599' E	229.6	05.4
SO269_92-1	18.08.2019 11:17	ADCP	profile start	351.9	6.3	54	21° 27.232' N	114° 09.497' E	227.9	5.8
SO269_92-1	18.08.2019 14:14	ADCP	profile end	252.2	1.8	37	21° 49.097' N	114° 01.469' E	197.1	6.4
SO269_93-1	18.08.2019 14:19	CTD	station start	166.8	0.4	38	21° 49.093' N	114° 01.435' E	200.3	6.2
SO269_93-1	18.08.2019 14:20	CTD	in the water	202.4	0.4	37	21° 49.093' N	114° 01.429' E	195.3	6.8
SO269_93-1	18.08.2019 14:28	CTD	max depth/on ground	323.7	0.5	37	21° 49.100' N	114° 01.401' E	206.5	5.9
SO269_93-1	18.08.2019 14:29	CTD	hoisting	140.5	0.3	37	21° 49.102' N	114° 01.401' E	213.8	6.8
SO269_93-1	18.08.2019 14:38	CTD	on deck	65.6	0.2	38	21° 49.101' N	114° 01.404' E	211.4	6.4
SO269_93-1	18.08.2019 14:39	CTD	station end	87.2	0.1	37	21° 49.101' N	114° 01.407' E	213.6	6.6
SO269_93-2	18.08.2019 14:39	MUC	station start	233.2	0.3	38	21° 49.100' N	114° 01.407' E	210.9	6.5

SO269_93-2	18.08.2019 14:45	MUC	in the water	320.3	0.3	38	21° 49.097' N	114° 01.401' E	206.1	6.7
SO269_93-2	18.08.2019 14:49	MUC	max depth/on ground	3.7	0.4	37	21° 49.098' N	114° 01.399' E	206.9	6.6
SO269_93-2	18.08.2019 14:50	MUC	hoisting	328.0	0.5	38	21° 49.099' N	114° 01.396' E	215.8	6.0
SO269_93-2	18.08.2019 14:53	MUC	on deck	55.6	0.1	37	21° 49.098' N	114° 01.395' E	222.3	6.0
SO269_93-2	18.08.2019 14:54	MUC	station end	214.0	0.1	38	21° 49.099' N	114° 01.397' E	220.9	5.3
SO269_93-3	18.08.2019 15:03	GC	station start	138.7	0.1	37	21° 49.095' N	114° 01.404' E	215.3	5.8
SO269_93-3	18.08.2019 15:18	GC	in the water	20.4	0.3	37	21° 49.096' N	114° 01.404' E	215.5	5.8
SO269_93-3	18.08.2019 15:21	GC	max depth/on ground	152.1	0.2	38	21° 49.100' N	114° 01.404' E	213.9	5.5
SO269_93-3	18.08.2019 15:22	GC	hoisting	336.1	0.2	37	21° 49.100' N	114° 01.405' E	217.5	5.0
SO269_93-3	18.08.2019 15:27	GC	on deck	151.5	0.3	38	21° 49.098' N	114° 01.404' E	205.7	4.7
SO269_93-3	18.08.2019 15:29	GC	station end	182.8	0.2	37	21° 49.097' N	114° 01.405' E	211.5	5.0
SO269_94-1	18.08.2019 15:37	ADCP	information	146.7	2.1	38	21° 49.045' N	114° 01.410' E	222.9	5.0
SO269_94-1	18.08.2019 18:32	ADCP	station end	168.6	7.2	55	21° 27.444' N	114° 09.691' E	262.0	3.9
SO269_95-1	18.08.2019 18:41	PUMP	station start	31.0	0.2	55	21° 27.117' N	114° 09.579' E	251.8	4.1
SO269_95-1	18.08.2019 18:42	PUMP	in the water	126.2	0.4	55	21° 27.115' N	114° 09.583' E	262.0	4.3
SO269_95-1	18.08.2019 18:49	PUMP	information	206.0	0.2	55	21° 27.101' N	114° 09.599' E	261.7	5.2
SO269_95-1	18.08.2019 18:54	PUMP	max depth/on ground	208.9	0.3	55	21° 27.098' N	114° 09.600' E	265.9	4.4
SO269_95-1	18.08.2019 18:54	PUMP	information	204.5	0.1	55	21° 27.098' N	114° 09.600' E	263.8	4.7
SO269_95-1	19.08.2019 00:59	PUMP	at surface	343.0	0.1	56	21° 27.102' N	114° 09.595' E	273.1	7.3
SO269_95-1	19.08.2019 01:00	PUMP	information	325.5	0.0	56	21° 27.102' N	114° 09.594' E	274.1	7.4
SO269_95-1	19.08.2019 01:04	PUMP	max depth/on ground	197.5	0.1	56	21° 27.103' N	114° 09.596' E	270.7	7.0
SO269_95-1	19.08.2019 01:05	PUMP	information	168.3	0.1	56	21° 27.102' N	114° 09.596' E	271.8	6.4
SO269_95-1	19.08.2019 02:58	PUMP	at surface	34.1	0.3	56	21° 27.101' N	114° 09.600' E	288.3	7.3
SO269_95-1	19.08.2019 03:00	PUMP	information	89.2	0.3	56	21° 27.101' N	114° 09.603' E	285.6	6.7
SO269_95-1	19.08.2019 03:04	PUMP	max depth/on ground	119.4	0.1	56	21° 27.104' N	114° 09.602' E	280.4	6.8
SO269_95-1	19.08.2019 03:05	PUMP	information	180.1	0.2	56	21° 27.104' N	114° 09.602' E	279.5	6.5
SO269_95-1	19.08.2019 04:26	PUMP	at surface	194.2	0.3	55	21° 27.104' N	114° 09.593' E	272.2	6.6
SO269_95-1	19.08.2019 05:01	PUMP	information	209.3	0.0	55	21° 27.099' N	114° 09.594' E	296.4	5.6
SO269_95-1	19.08.2019 05:06	PUMP	max depth/on ground	3.9	0.4	56	21° 27.098' N	114° 09.603' E	302.8	6.1
SO269_95-1	19.08.2019 05:08	PUMP	information	318.1	0.2	55	21° 27.097' N	114° 09.601' E	293.8	5.4

SO269_95-1	19.08.2019 05:21	PUMP	max depth/on ground	298.9	0.1	55	21° 27.096' N	114° 09.601' E	302.8	6.6
SO269_95-1	19.08.2019 05:35	PUMP	max depth/on ground	163.3	0.3	55	21° 27.104' N	114° 09.597' E	300.0	5.9
SO269_95-1	19.08.2019 05:50	PUMP	max depth/on ground	70.6	0.1	55	21° 27.097' N	114° 09.601' E	307.4	6.7
SO269_95-1	19.08.2019 06:04	PUMP	max depth/on ground	185.1	0.1	55	21° 27.097' N	114° 09.598' E	304.4	5.7
SO269_95-1	19.08.2019 06:59	PUMP	information	43.9	0.4	55	21° 27.101' N	114° 09.596' E	301.5	5.3
SO269_95-1	19.08.2019 07:05	PUMP	max depth/on ground	101.5	0.1	55	21° 27.106' N	114° 09.601' E	295.3	4.3
SO269_95-1	19.08.2019 07:06	PUMP	information	280.9	0.3	55	21° 27.106' N	114° 09.600' E	300.5	4.9
SO269_95-1	19.08.2019 07:20	PUMP	information	179.9	0.5	55	21° 27.103' N	114° 09.598' E	272.0	3.4
SO269_95-1	19.08.2019 07:40	PUMP	information	155.0	0.4	55	21° 27.097' N	114° 09.597' E	258.6	3.3
SO269_95-1	19.08.2019 07:59	PUMP	information	358.8	0.3	55	21° 27.107' N	114° 09.599' E	238.5	4.4
SO269_95-1	19.08.2019 09:01	PUMP	information	92.1	0.1	55	21° 27.097' N	114° 09.601' E	224.2	6.2
SO269_95-1	19.08.2019 11:03	PUMP	information	40.8	0.1	55	21° 27.097' N	114° 09.596' E	245.5	3.9
SO269_95-1	19.08.2019 12:20	PUMP	information	219.4	0.3	55	21° 27.097' N	114° 09.597' E	236.5	2.9
SO269_95-1	19.08.2019 12:29	PUMP	information	230.9	0.2	55	21° 27.103' N	114° 09.598' E	190.1	4.2
SO269_95-1	19.08.2019 13:01	PUMP	at surface	176.1	0.3	55	21° 27.105' N	114° 09.599' E	204.2	5.1
SO269_95-1	19.08.2019 13:06	PUMP	information	27.4	0.1	55	21° 27.102' N	114° 09.605' E	207.2	4.9
SO269_95-1	19.08.2019 13:24	PUMP	information	70.8	0.0	55	21° 27.105' N	114° 09.596' E	195.0	5.7
SO269_95-1	19.08.2019 14:05	PUMP	information	296.5	0.2	55	21° 27.101' N	114° 09.593' E	205.0	3.8
SO269_95-1	19.08.2019 14:11	PUMP	information	167.2	0.3	55	21° 27.102' N	114° 09.600' E	190.9	4.1
SO269_95-1	19.08.2019 14:16	PUMP	information	181.2	0.0	55	21° 27.098' N	114° 09.604' E	191.6	4.1
SO269_95-1	19.08.2019 14:59	PUMP	at surface	44.2	0.1	55	21° 27.101' N	114° 09.593' E	185.6	3.5
SO269_95-1	19.08.2019 15:05	PUMP	information	223.9	0.1	55	21° 27.102' N	114° 09.605' E	181.2	4.2
SO269_95-1	19.08.2019 15:26	PUMP	information	303.7	0.1	55	21° 27.096' N	114° 09.602' E	194.9	2.2
SO269_95-1	19.08.2019 15:48	PUMP	at surface	53.1	0.1	55	21° 27.102' N	114° 09.596' E	199.8	2.4
SO269_95-1	19.08.2019 16:17	PUMP	max depth/on ground	240.3	0.1	55	21° 27.096' N	114° 09.602' E	197.8	2.4
SO269_95-1	19.08.2019 16:57	PUMP	information	158.9	0.2	55	21° 27.100' N	114° 09.598' E	210.2	2.1
SO269_95-1	19.08.2019 17:00	PUMP	max depth/on ground	303.3	0.1	55	21° 27.100' N	114° 09.601' E	216.8	2.1
SO269_95-1	19.08.2019 17:01	PUMP	information	331.5	0.2	55	21° 27.100' N	114° 09.601' E	224.6	1.7
SO269_95-1	19.08.2019 17:22	PUMP	max depth/on ground	176.1	0.1	55	21° 27.100' N	114° 09.600' E	205.1	2.2
SO269_95-1	19.08.2019 17:36	PUMP	max depth/on ground	123.0	0.1	55	21° 27.100' N	114° 09.597' E	197.6	3.0

SO269_95-1	19.08.2019 17:52	PUMP	at surface	268.6	0.2	55	21° 27.099' N	114° 09.597' E	196.0	2.1
SO269_95-1	19.08.2019 18:12	PUMP	max depth/on ground	156.2	0.2	55	21° 27.097' N	114° 09.596' E	194.5	2.4
SO269_95-1	19.08.2019 19:00	PUMP	information	256.3	0.1	55	21° 27.104' N	114° 09.601' E	206.1	2.4
SO269_95-1	19.08.2019 19:04	PUMP	max depth/on ground	218.9	0.2	55	21° 27.102' N	114° 09.596' E	203.9	2.9
SO269_95-1	19.08.2019 19:05	PUMP	information	172.6	0.2	55	21° 27.101' N	114° 09.595' E	195.2	2.7
SO269_95-1	19.08.2019 19:20	PUMP	max depth/on ground	107.5	0.2	55	21° 27.105' N	114° 09.595' E	214.1	3.0
SO269_95-1	19.08.2019 19:38	PUMP	max depth/on ground	256.9	0.1	55	21° 27.103' N	114° 09.600' E	204.2	2.0
SO269_95-1	19.08.2019 19:53	PUMP	at surface	195.2	0.1	55	21° 27.098' N	114° 09.598' E	29.8	4.7
SO269_95-1	19.08.2019 20:26	PUMP	information	196.8	0.3	55	21° 27.108' N	114° 09.596' E	54.7	5.7
SO269_95-1	19.08.2019 22:07	PUMP	on deck	170.3	0.1	55	21° 27.098' N	114° 09.596' E	59.3	0.3
SO269_95-1	19.08.2019 22:11	PUMP	station end	110.8	0.1	55	21° 27.100' N	114° 09.596' E	353.3	0.9
SO269_95-2	19.08.2019 22:13	MSN	station start	248.6	0.0	55	21° 27.100' N	114° 09.596' E	13.4	1.4
SO269_95-2	19.08.2019 22:20	MSN	in the water	9.1	0.1	55	21° 27.101' N	114° 09.595' E	100.6	1.4
SO269_95-2	19.08.2019 22:23	MSN	max depth/on ground	136.1	0.1	55	21° 27.102' N	114° 09.596' E	93.2	1.1
SO269_95-2	19.08.2019 22:24	MSN	hoisting	307.4	0.1	55	21° 27.102' N	114° 09.596' E	113.6	1.8
SO269_95-2	19.08.2019 22:30	MSN	on deck	267.1	0.2	55	21° 27.104' N	114° 09.595' E	89.0	1.7
SO269_95-2	19.08.2019 22:33	MSN	station end	12.4r	0.1	55	21° 27.106' N	114° 09.595' E	109.9	1.7
SO269_96-1	19.08.2019 22:38	ADCP	profile start	332.5	2.0	55	21° 27.146' N	114° 09.540' E	85.9	2.0
SO269_96-1	20.08.2019 01:06	ADCP	station end	327.5	4.4	38	21° 44.720' N	114° 02.813' E	93.4	10.5
SO269_97-1	20.08.2019 01:16	GC	station start	357.4	0.3	38	21° 44.926' N	114° 02.944' E	74.8	8.0
SO269_97-1	20.08.2019 01:19	GC	in the water	0.6	0.4	38	21° 44.932' N	114° 02.944' E	76.8	6.9
SO269_97-1	20.08.2019 01:21	GC	max depth/on ground	357.7	0.2	38	21° 44.939' N	114° 02.942' E	73.1	7.7
SO269_97-1	20.08.2019 01:22	GC	hoisting	346.8	0.2	38	21° 44.940' N	114° 02.942' E	72.0	8.2
SO269_97-1	20.08.2019 01:30	GC	on deck	190.4	0.1	38	21° 44.944' N	114° 02.940' E	67.4	7.5
SO269_97-1	20.08.2019 01:30	GC	station end	314.4	0.3	38	21° 44.944' N	114° 02.940' E	65.4	7.5
SO269_97-2	20.08.2019 01:48	GC	station start	208.9	0.2	38	21° 44.934' N	114° 02.941' E	55.8	9.5
SO269_97-2	20.08.2019 01:51	GC	in the water	46.9	0.2	38	21° 44.938' N	114° 02.942' E	60.6	9.9
SO269_97-2	20.08.2019 01:54	GC	max depth/on ground	286.8	0.0	38	21° 44.940' N	114° 02.942' E	64.2	8.8
SO269_97-2	20.08.2019 01:54	GC	hoisting	29.4	0.1	39	21° 44.940' N	114° 02.941' E	64.4	9.3
SO269_97-2	20.08.2019 02:01	GC	on deck	84.6	0.1	38	21° 44.945' N	114° 02.940' E	59.5	9.2

SO269_97-2	20.08.2019 02:02	GC	station end	219.7	0.1	38	21° 44.945' N	114° 02.940' E	65.9	10.0
SO269_97-3	20.08.2019 02:18	GC	station start	26.2	0.0	38	21° 44.935' N	114° 02.942' E	58.8	9.7
SO269_97-3	20.08.2019 02:20	GC	in the water	103.6	0.1	38	21° 44.933' N	114° 02.941' E	48.3	10.2
SO269_97-3	20.08.2019 02:24	GC	max depth/on ground	338.0	0.1	38	21° 44.939' N	114° 02.942' E	55.7	9.0
SO269_97-3	20.08.2019 02:24	GC	hoisting	255.4	0.4	38	21° 44.939' N	114° 02.941' E	56.7	9.3
SO269_97-3	20.08.2019 02:29	GC	on deck	322.9	0.1	38	21° 44.942' N	114° 02.941' E	47.5	9.3
SO269_97-3	20.08.2019 02:30	GC	station end	236.7	0.1	38	21° 44.941' N	114° 02.941' E	47.1	8.5
SO269_97-4	20.08.2019 02:41	GC	station start	156.1	0.3	38	21° 44.942' N	114° 02.947' E	63.4	9.4
SO269_97-4	20.08.2019 02:43	GC	in the water	336.2	0.1	38	21° 44.941' N	114° 02.948' E	54.5	9.1
SO269_97-4	20.08.2019 02:47	GC	max depth/on ground	167.9	0.1	38	21° 44.941' N	114° 02.947' E	54.5	10.0
SO269_97-4	20.08.2019 02:48	GC	hoisting	148.5	0.2	38	21° 44.941' N	114° 02.947' E	52.0	9.6
SO269_97-4	20.08.2019 02:53	GC	on deck	217.4	0.2	38	21° 44.941' N	114° 02.947' E	48.1	9.9
SO269_97-4	20.08.2019 02:53	GC	station end	162.1	0.1	38	21° 44.941' N	114° 02.947' E	49.8	9.4
SO269_97-5	20.08.2019 03:00	MUC	station start	201.6	0.1	38	21° 44.941' N	114° 02.947' E	64.2	8.5
SO269_97-5	20.08.2019 03:01	MUC	in the water	117.7	0.2	38	21° 44.941' N	114° 02.947' E	66.1	9.3
SO269_97-5	20.08.2019 03:04	MUC	max depth/on ground	234.3	0.1	38	21° 44.941' N	114° 02.947' E	63.7	8.5
SO269_97-5	20.08.2019 03:05	MUC	hoisting	152.0	0.2	38	21° 44.941' N	114° 02.947' E	65.0	9.3
SO269_97-5	20.08.2019 03:08	MUC	on deck	142.7	0.1	38	21° 44.941' N	114° 02.948' E	64.5	8.3
SO269_97-5	20.08.2019 03:09	MUC	station end	18.2	0.1	38	21° 44.941' N	114° 02.947' E	68.6	8.2
SO269_98-1	20.08.2019 03:13	ADCP	profile start	57.8	2.0	38	21° 44.959' N	114° 02.971' E	63.7	8.5
SO269_98-1	20.08.2019 07:22	ADCP	station end	62.6	4.5	40	22° 00.173' N	114° 33.170' E	67.5	10.1
SO269_99-1	20.08.2019 07:47	CTD	station start	215.2	0.3	40	22° 00.479' N	114° 33.721' E	72.5	10.1
SO269_99-1	20.08.2019 07:48	CTD	in the water	153.1	0.3	40	22° 00.479' N	114° 33.720' E	68.8	7.9
SO269_99-1	20.08.2019 07:55	CTD	max depth/on ground	299.1	0.2	40	22° 00.479' N	114° 33.720' E	76.0	9.7
SO269_99-1	20.08.2019 08:03	CTD	on deck	270.3	0.2	40	22° 00.479' N	114° 33.721' E	72.9	9.5
SO269_99-1	20.08.2019 08:08	CTD	station end	177.6	0.2	40	22° 00.479' N	114° 33.721' E	74.1	8.9
SO269_99-2	20.08.2019 08:09	PLA	station start	233.2	0.2	40	22° 00.479' N	114° 33.721' E	67.4	8.5
SO269_99-2	20.08.2019 08:10	PLA	in the water	162.7	0.1	40	22° 00.479' N	114° 33.720' E	77.1	8.8
SO269_99-2	20.08.2019 08:16	PLA	max depth/on ground	305.5	0.1	40	22° 00.479' N	114° 33.721' E	76.5	9.6
SO269_99-2	20.08.2019 08:23	PLA	on deck	176.5	0.2	40	22° 00.479' N	114° 33.720' E	74.7	8.5

SO269_99-2	20.08.2019 08:27	PLA	station end	180.5	0.1	40	22° 00.480' N	114° 33.721' E	80.6	10.1
SO269_99-3	20.08.2019 08:28	MUC	station start	177.3	0.1	40	22° 00.479' N	114° 33.721' E	80.6	10.2
SO269_99-3	20.08.2019 08:34	MUC	in the water	177.1	0.1	39	22° 00.479' N	114° 33.721' E	72.8	9.9
SO269_99-3	20.08.2019 08:37	MUC	max depth/on ground	333.8	0.4	39	22° 00.480' N	114° 33.720' E	85.9	10.8
SO269_99-3	20.08.2019 08:38	MUC	hoisting	264.8	0.0	39	22° 00.480' N	114° 33.720' E	87.1	10.5
SO269_99-3	20.08.2019 08:42	MUC	on deck	165.9	0.3	40	22° 00.479' N	114° 33.721' E	75.5	10.9
SO269_99-3	20.08.2019 08:44	MUC	station end	191.1	0.2	40	22° 00.477' N	114° 33.720' E	86.1	10.4
SO269_100-1	20.08.2019 08:49	ADCP	profile start	192.9	6.8	40	22° 00.255' N	114° 33.713' E	71.8	10.2
SO269_100-1	20.08.2019 11:42	ADCP	profile end	118.3	3.5	69	21° 38.048' N	114° 40.132' E	76.1	5.8
SO269_101-1	20.08.2019 11:45	CTD	station start	139.2	0.3	69	21° 38.005' N	114° 40.236' E	75.2	4.3
SO269_101-1	20.08.2019 11:47	CTD	in the water	270.5	0.2	69	21° 38.011' N	114° 40.231' E	77.3	4.9
SO269_101-1	20.08.2019 11:55	CTD	max depth/on ground	59.7	0.1	69	21° 38.037' N	114° 40.203' E	89.3	4.9
SO269_101-1	20.08.2019 11:56	CTD	hoisting	10.7	0.3	69	21° 38.039' N	114° 40.201' E	86.6	4.4
SO269_101-1	20.08.2019 12:03	CTD	on deck	24.2	0.4	69	21° 38.040' N	114° 40.200' E	77.2	5.0
SO269_101-1	20.08.2019 12:03	CTD	station end	39.1	0.4	69	21° 38.040' N	114° 40.200' E	74.9	4.8
SO269_101-2	20.08.2019 12:05	MSN	station start	70.8	0.2	69	21° 38.040' N	114° 40.198' E	81.9	4.7
SO269_101-2	20.08.2019 12:06	MSN	information	203.8	0.5	69	21° 38.040' N	114° 40.196' E	77.9	4.6
SO269_101-2	20.08.2019 12:27	MSN	in the water	358.9	0.2	69	21° 38.040' N	114° 40.196' E	80.0	6.0
SO269_101-2	20.08.2019 12:30	MSN	max depth/on ground	261.3	0.4	69	21° 38.041' N	114° 40.198' E	80.1	6.8
SO269_101-2	20.08.2019 12:30	MSN	hoisting	193.3	0.3	69	21° 38.040' N	114° 40.197' E	76.2	6.4
SO269_101-2	20.08.2019 12:38	MSN	on deck	351.5	0.5	69	21° 38.040' N	114° 40.198' E	90.2	5.8
SO269_101-2	20.08.2019 12:50	MSN	station end	230.4	0.2	69	21° 38.042' N	114° 40.201' E	73.2	05.4
SO269_102-1	20.08.2019 13:09	ADCP	profile start	160.3	6.8	69	21° 38.157' N	114° 40.162' E	87.2	7.6
SO269_102-1	20.08.2019 16:27	ADCP	station end	161.3	6.4	87	21° 13.996' N	114° 49.631' E	26.8	1.1
SO269_103-1	20.08.2019 16:35	CTD	station start	254.6	0.4	87	21° 13.912' N	114° 49.835' E	17.2	0.8
SO269_103-1	20.08.2019 16:37	CTD	in the water	295.4	0.2	87	21° 13.913' N	114° 49.826' E	17.4	1.0
SO269_103-1	20.08.2019 16:46	CTD	max depth/on ground	137.9	0.1	87	21° 13.922' N	114° 49.801' E	13.5	0.6
SO269_103-1	20.08.2019 16:57	CTD	on deck	264.1	0.2	87	21° 13.924' N	114° 49.803' E	284.9	0.2
SO269_103-1	20.08.2019 16:58	CTD	station end	153.0	0.3	87	21° 13.923' N	114° 49.803' E	332.9	0.6
SO269_104-1	20.08.2019 17:10	ADCP	station start	177.4	4.1	87	21° 14.251' N	114° 49.755' E	251.7	1.6

SO269_104-1	20.08.2019 20:34	ADCP	profile end	125.7	3.4	112	20° 49.755' N	114° 59.895' E	344.6	3.5
SO269_105-1	20.08.2019 20:38	CTD	station start	170.1	0.3	112	20° 49.699' N	115° 00.006' E	336.7	3.2
SO269_105-1	20.08.2019 20:40	CTD	in the water	288.8	0.1	112	20° 49.701' N	115° 00.004' E	346.2	3.4
SO269_105-1	20.08.2019 20:50	CTD	max depth/on ground	202.5	0.3	112	20° 49.697' N	115° 00.009' E	355.0	3.2
SO269_105-1	20.08.2019 20:51	CTD	hoisting	321.9	0.2	113	20° 49.699' N	115° 00.006' E	344.3	3.5
SO269_105-1	20.08.2019 21:00	CTD	on deck	114.7	0.2	112	20° 49.705' N	115° 00.007' E	345.8	3.3
SO269_105-1	20.08.2019 21:03	CTD	station end	110.9	0.3	112	20° 49.702' N	115° 00.007' E	347.9	3.9
SO269_106-1	20.08.2019 21:18	ADCP	profile start	164.5	6.4	112	20° 49.802' N	114° 59.878' E	359.2	3.4
SO269_106-1	21.08.2019 00:39	ADCP	profile end	111.7	1.9	214	20° 25.472' N	115° 09.547' E	318.7	3.9
SO269_107-1	21.08.2019 00:43	CTD	station start	10.8	0.0	215	20° 25.463' N	115° 09.600' E	332.2	1.7
SO269_107-1	21.08.2019 00:44	CTD	in the water	121.2	0.5	216	20° 25.462' N	115° 09.602' E	335.7	2.9
SO269_107-1	21.08.2019 00:58	CTD	max depth/on ground	165.0	0.3	215	20° 25.442' N	115° 09.606' E	7.5	2.3
SO269_107-1	21.08.2019 00:59	CTD	hoisting	92.6	0.2	216	20° 25.442' N	115° 09.607' E	9.4	2.5
SO269_107-1	21.08.2019 01:14	CTD	on deck	231.9	0.1	215	20° 25.440' N	115° 09.600' E	41.8	1.4
SO269_107-1	21.08.2019 01:15	CTD	station end	163.8	0.2	216	20° 25.437' N	115° 09.601' E	48.4	1.1
SO269_107-2	21.08.2019 01:15	PLA	station start	151.6	0.2	216	20° 25.437' N	115° 09.601' E	5.8	1.1
SO269_107-2	21.08.2019 01:21	PLA	in the water	196.1	0.1	216	20° 25.439' N	115° 09.594' E	57.4	2.0
SO269_107-2	21.08.2019 01:35	PLA	max depth/on ground	179.5	0.2	216	20° 25.440' N	115° 09.599' E	38.5	1.5
SO269_107-2	21.08.2019 01:35	PLA	hoisting	59.4	0.2	215	20° 25.440' N	115° 09.600' E	30.3	1.3
SO269_107-2	21.08.2019 01:53	PLA	on deck	249.7	0.4	216	20° 25.441' N	115° 09.600' E	329.5	1.0
SO269_107-2	21.08.2019 01:56	PLA	station end	317.0	0.1	216	20° 25.441' N	115° 09.598' E	344.8	1.6
SO269_107-3	21.08.2019 01:56	MSN	station start	350.2	0.4	216	20° 25.442' N	115° 09.598' E	354.5	1.7
SO269_107-3	21.08.2019 01:58	MSN	in the water	154.5	0.0	215	20° 25.442' N	115° 09.599' E	357.3	1.5
SO269_107-3	21.08.2019 02:02	MSN	max depth/on ground	324.0	0.4	216	20° 25.441' N	115° 09.599' E	356.5	1.7
SO269_107-3	21.08.2019 02:03	MSN	hoisting	90.4	0.1	216	20° 25.441' N	115° 09.599' E	357.3	1.5
SO269_107-3	21.08.2019 02:09	MSN	on deck	233.8	0.4	216	20° 25.439' N	115° 09.593' E	353.8	1.7
SO269_107-3	21.08.2019 02:10	MSN	station end	198.5	0.2	216	20° 25.438' N	115° 09.593' E	356.9	1.9
SO269_107-4	21.08.2019 02:19	PUMP	station start	35.1	0.4	217	20° 25.442' N	115° 09.599' E	0.1	1.4
SO269_107-4	21.08.2019 02:31	PUMP	in the water	243.3	0.1	215	20° 25.440' N	115° 09.599' E	5.6	2.2
SO269_107-4	21.08.2019 02:31	PUMP	information	318.7	0.1	216	20° 25.441' N	115° 09.598' E	356.4	1.8

SO269_107-4	21.08.2019 02:54	PUMP	max depth/on ground	172.6	0.1	216	20° 25.441' N	115° 09.599' E	26.1	1.8
SO269_107-4	21.08.2019 03:02	PUMP	information	6.2	0.0	216	20° 25.442' N	115° 09.592' E	38.3	2.0
SO269_107-4	21.08.2019 09:20	PUMP	max depth/on ground	221.2	0.3	215	20° 25.437' N	115° 09.604' E	299.7	1.2
SO269_107-4	21.08.2019 09:46	PUMP	on deck	152.1	0.2	214	20° 25.440' N	115° 09.594' E	276.0	3.2
SO269_107-4	21.08.2019 09:48	PUMP	station end	119.8	0.2	214	20° 25.438' N	115° 09.597' E	295.9	3.1
SO269_107-5	21.08.2019 09:49	MUC	station start	112.3	0.3	215	20° 25.436' N	115° 09.600' E	280.9	3.7
SO269_107-5	21.08.2019 09:56	MUC	in the water	52.6	0.3	215	20° 25.441' N	115° 09.607' E	287.3	3.7
SO269_107-5	21.08.2019 10:04	MUC	max depth/on ground	8.0	0.1	215	20° 25.446' N	115° 09.601' E	280.2	5.1
SO269_107-5	21.08.2019 10:06	MUC	hoisting	341.4	0.2	215	20° 25.446' N	115° 09.599' E	346.9	1.9
SO269_107-5	21.08.2019 10:13	MUC	on deck	217.7	0.2	214	20° 25.443' N	115° 09.596' E	326.0	1.8
SO269_107-5	21.08.2019 10:18	MUC	station end	100.6	####	215	20° 25.433' N	115° 09.613' E	321.2	3.9
SO269_108-1	21.08.2019 10:27	ADCP	profile start	166.1	####	214	20° 25.539' N	115° 09.540' E	311.1	3.1
SO269_108-1	21.08.2019 13:41	ADCP	station end	166.3	####	991	20° 01.402' N	115° 18.952' E	243.4	2.1
SO269_109-1	21.08.2019 13:52	CTD	station start	64.5	0.1	1042	20° 01.117' N	115° 19.165' E	270.7	2.6
SO269_109-1	21.08.2019 13:53	CTD	in the water	107.6	0.1	1043	20° 01.118' N	115° 19.171' E	258.9	2.6
SO269_109-1	21.08.2019 14:23	CTD	max depth/on ground	184.8	0.2	1050	20° 01.143' N	115° 19.197' E	220.0	0.2
SO269_109-1	21.08.2019 14:23	CTD	hoisting	348.1	0.1	1052	20° 01.143' N	115° 19.197' E	266.4	1.7
SO269_109-1	21.08.2019 14:51	CTD	on deck	45.1	0.0	1052	20° 01.140' N	115° 19.195' E	239.9	1.9
SO269_109-1	21.08.2019 14:52	CTD	station end	8.8	0.7	1058	20° 01.140' N	115° 19.195' E	258.3	2.4
SO269_109-2	21.08.2019 14:58	MSN	station start	181.9	0.3	1069	20° 01.143' N	115° 19.194' E	257.3	1.1
SO269_109-2	21.08.2019 15:00	MSN	in the water	190.9	0.2	1046	20° 01.141' N	115° 19.194' E	275.1	1.2
SO269_109-2	21.08.2019 15:04	MSN	max depth/on ground	171.2	0.5	1051	20° 01.136' N	115° 19.200' E	308.2	1.3
SO269_109-2	21.08.2019 15:05	MSN	hoisting	288.9	0.1	1054	20° 01.136' N	115° 19.200' E	307.9	1.1
SO269_109-2	21.08.2019 15:11	MSN	on deck	45.1	0.1	1051	20° 01.136' N	115° 19.196' E	303.1	1.6
SO269_109-2	21.08.2019 15:11	MSN	station end	198.4	0.4	1051	20° 01.136' N	115° 19.196' E	281.0	1.2
SO269_109-3	21.08.2019 15:16	MSN	station start	312.1	0.0	1055	20° 01.136' N	115° 19.203' E	271.2	1.0
SO269_109-3	21.08.2019 15:18	MSN	in the water	172.3	0.0	1051	20° 01.138' N	115° 19.205' E	303.7	2.7
SO269_109-3	21.08.2019 15:41	MSN	max depth/on ground	212.8	0.3	1048	20° 01.140' N	115° 19.197' E	324.8	2.5
SO269_109-3	21.08.2019 15:41	MSN	hoisting	216.6	0.4	1052	20° 01.139' N	115° 19.195' E	307.7	0.9
SO269_109-3	21.08.2019 16:10	MSN	on deck	351.6	0.1	1050	20° 01.145' N	115° 19.197' E	237.2	3.0

SO269_109-3	21.08.2019 16:14	MSN	station end	195.6	0.7	1050	20° 01.144' N	115° 19.201' E	226.0	2.3
SO269_109-4	21.08.2019 16:16	MUC	station start	284.5	0.1	1050	20° 01.144' N	115° 19.202' E	231.2	2.0
SO269_109-4	21.08.2019 16:17	MUC	in the water	359.9	0.0	1065	20° 01.145' N	115° 19.201' E	234.7	1.9
SO269_109-4	21.08.2019 16:40	MUC	max depth/on ground	346.7	0.4	1052	20° 01.144' N	115° 19.197' E	235.7	2.6
SO269_109-4	21.08.2019 16:41	MUC	hoisting	92.4	0.2	1049	20° 01.145' N	115° 19.197' E	221.0	2.6
SO269_109-4	21.08.2019 17:24	MUC	on deck	25.8	0.3	1054	20° 01.139' N	115° 19.203' E	222.5	1.2
SO269_109-4	21.08.2019 17:30	MUC	station end	175.0	0.7	1054	20° 01.138' N	115° 19.203' E	246.5	1.7
SO269_110-1	21.08.2019 17:51	ADCP	station start	168.9	4.2	1038	20° 01.352' N	115° 19.160' E	248.9	2.8
SO269_110-1	21.08.2019 21:16	ADCP	profile end	160.5	3.8	2183	19° 36.416' N	115° 29.846' E	208.9	2.3
SO269_111-1	21.08.2019 21:21	CTD	station start	60.3	0.6	2205	19° 36.240' N	115° 30.059' E	216.4	3.4
SO269_111-1	21.08.2019 21:24	CTD	in the water	255.6	0.2	2198	19° 36.247' N	115° 30.061' E	207.6	2.9
SO269_111-1	21.08.2019 22:10	CTD	max depth/on ground	173.8	0.2	2210	19° 36.225' N	115° 30.041' E	225.6	2.5
SO269_111-1	21.08.2019 22:11	CTD	hoisting	111.4	0.1	2205	19° 36.224' N	115° 30.042' E	208.7	2.9
SO269_111-1	21.08.2019 22:58	CTD	on deck	83.7	0.1	2202	19° 36.228' N	115° 30.047' E	214.8	4.1
SO269_111-1	21.08.2019 23:01	CTD	station end	165.7	0.1	2207	19° 36.225' N	115° 30.052' E	211.8	3.8
SO269_112-1	21.08.2019 23:10	ADCP	profile start	151.5	6.9	2199	19° 36.414' N	115° 29.978' E	213.5	3.8
SO269_112-1	22.08.2019 02:28	ADCP	profile end	208.1	2.3	2807	19° 12.255' N	115° 39.963' E	272.7	7.9
SO269_113-1	22.08.2019 02:34	CTD	station start	292.4	0.5	2807	19° 12.200' N	115° 39.904' E	274.5	7.2
SO269_113-1	22.08.2019 02:36	CTD	in the water	210.3	0.7	2805	19° 12.197' N	115° 39.898' E	268.5	8.0
SO269_113-1	22.08.2019 03:34	CTD	max depth/on ground	296.0	0.0	2803	19° 12.186' N	115° 39.874' E	260.7	5.6
SO269_113-1	22.08.2019 03:34	CTD	hoisting	173.9	0.1	2804	19° 12.187' N	115° 39.874' E	263.5	6.1
SO269_113-1	22.08.2019 04:35	CTD	on deck	105.2	0.3	2801	19° 12.185' N	115° 39.877' E	279.4	5.6
SO269_113-1	22.08.2019 04:38	CTD	station end	286.2	0.1	2803	19° 12.185' N	115° 39.878' E	279.1	4.9
SO269_114-1	22.08.2019 04:52	ADCP	station start	158.0	4.6	2808	19° 12.454' N	115° 39.840' E	277.9	5.9
SO269_114-1	22.08.2019 08:04	ADCP	station end	193.2	4.0	3195	18° 48.815' N	115° 49.836' E	291.9	7.4
SO269_115-1	22.08.2019 08:07	CTD	station start	154.0	0.5	3222	18° 48.731' N	115° 49.824' E	288.1	6.4
SO269_115-1	22.08.2019 08:09	CTD	in the water	354.5	0.4	3222	18° 48.727' N	115° 49.824' E	283.3	7.3
SO269_115-1	22.08.2019 09:13	CTD	max depth/on ground	228.1	0.2	3217	18° 48.770' N	115° 49.806' E	294.9	7.4
SO269_115-1	22.08.2019 09:14	CTD	hoisting	201.7	0.5	3214	18° 48.769' N	115° 49.805' E	296.0	7.6
SO269_115-1	22.08.2019 10:21	CTD	on deck	346.9	0.3	3206	18° 48.770' N	115° 49.802' E	315.7	8.2

SO269_115-1	22.08.2019 10:24	CTD	station end	97.9	0.2	3207	18° 48.769' N	115° 49.804' E	318.7	9.2
SO269_115-2	22.08.2019 10:25	MSN	station start	122.5	0.1	3211	18° 48.766' N	115° 49.806' E	306.2	10.7
SO269_115-2	22.08.2019 10:28	MSN	in the water	22.6	0.6	3215	18° 48.768' N	115° 49.805' E	316.4	8.8
SO269_115-2	22.08.2019 10:33	MSN	max depth/on ground	242.3	0.2	3202	18° 48.773' N	115° 49.807' E	322.5	7.8
SO269_115-2	22.08.2019 10:39	MSN	on deck	180.3	0.2	3210	18° 48.763' N	115° 49.805' E	315.8	9.7
SO269_115-2	22.08.2019 10:46	MSN	in the water	229.8	0.2	3206	18° 48.770' N	115° 49.801' E	312.5	8.3
SO269_115-2	22.08.2019 11:11	MSN	max depth/on ground	218.2	0.3	3204	18° 48.777' N	115° 49.807' E	280.7	6.2
SO269_115-2	22.08.2019 11:39	MSN	on deck	182.7	0.3	3208	18° 48.763' N	115° 49.809' E	297.5	6.1
SO269_115-2	22.08.2019 11:46	MSN	in the water	225.4	0.2	3214	18° 48.762' N	115° 49.806' E	303.1	6.4
SO269_115-2	22.08.2019 13:15	MSN	max depth/on ground	147.0	0.4	3211	18° 48.767' N	115° 49.801' E	289.8	4.7
SO269_115-2	22.08.2019 13:15	MSN	hoisting	148.0	0.2	3211	18° 48.767' N	115° 49.802' E	290.1	4.5
SO269_115-2	22.08.2019 14:45	MSN	on deck	206.8	0.1	3198	18° 48.771' N	115° 49.813' E	319.2	4.8
SO269_115-2	22.08.2019 14:49	MSN	station end	73.6	0.2	3203	18° 48.767' N	115° 49.805' E	338.6	4.4
SO269_115-3	22.08.2019 14:56	MUC	station start	74.5	0.5	3196	18° 48.770' N	115° 49.808' E	328.7	4.6
SO269_115-3	22.08.2019 14:57	MUC	in the water	223.5	0.3	3196	18° 48.771' N	115° 49.812' E	331.1	4.8
SO269_115-3	22.08.2019 16:00	MUC	max depth/on ground	216.6	0.2	3220	18° 48.773' N	115° 49.805' E	348.3	4.7
SO269_115-3	22.08.2019 16:02	MUC	hoisting	204.9	0.1	3227	18° 48.764' N	115° 49.801' E	348.9	5.3
SO269_115-3	22.08.2019 17:37	MUC	on deck	16.6	0.1	3217	18° 48.768' N	115° 49.811' E	341.8	4.8
SO269_115-3	22.08.2019 17:38	MUC	station end	278.1	0.3	3215	18° 48.770' N	115° 49.811' E	339.9	4.1
SO269_115-4	22.08.2019 17:41	GC	station start	216.2	0.2	3219	18° 48.773' N	115° 49.808' E	327.3	4.5
SO269_115-4	22.08.2019 17:43	GC	in the water	253.2	0.1	3219	18° 48.772' N	115° 49.804' E	339.7	4.3
SO269_115-4	22.08.2019 18:47	GC	max depth/on ground	178.9	0.1	3220	18° 48.769' N	115° 49.805' E	309.1	3.6
SO269_115-4	22.08.2019 18:48	GC	hoisting	312.4	0.2	3225	18° 48.768' N	115° 49.804' E	303.9	4.1
SO269_115-4	22.08.2019 19:48	GC	on deck	240.6	0.2	3220	18° 48.763' N	115° 49.808' E	324.3	4.6
SO269_115-4	22.08.2019 19:50	GC	station end	262.5	0.2	3235	18° 48.762' N	115° 49.805' E	331.8	3.9
SO269_116-1	22.08.2019 20:06	ADCP	station start	61.9	8.4	42	18° 48.858' N	115° 49.997' E	330.5	5.6
SO269_116-1	22.08.2019 23:49	ADCP	profile end	3.1	2.7	2733	18° 57.137' N	116° 20.053' E	317.4	5.7
SO269_117-1	22.08.2019 23:52	CTD	station start	42.1	0.7	2715	18° 57.209' N	116° 20.060' E	323.5	4.8
SO269_117-1	22.08.2019 23:54	CTD	in the water	228.2	0.4	2719	18° 57.210' N	116° 20.060' E	335.3	4.4
SO269_117-1	23.08.2019 00:50	CTD	max depth/on ground	45.5	0.1	2727	18° 57.161' N	116° 20.007' E	346.6	5.0

SO269_117-1	23.08.2019 00:51	CTD	hoisting	26.0	0.1	2726	18° 57.161' N	116° 20.008' E	341.0	5.4
SO269_117-1	23.08.2019 01:47	CTD	on deck	16.5ai	0.1	2729	18° 57.159' N	116° 20.005' E	332.7	4.1
SO269_117-1	23.08.2019 01:48	CTD	station end	199.2	0.1	2730	18° 57.159' N	116° 20.005' E	326.8	5.2
SO269_118-1	23.08.2019 02:04	ADCP	information	338.3	7.8	2740	18° 56.962' N	116° 20.089' E	303.9	4.7
SO269_118-1	23.08.2019 05:24	ADCP	station end	343.8	5.9	1941	19° 21.986' N	116° 10.223' E	312.2	5.7
SO269_119-1	23.08.2019 05:32	CTD	station start	114.1	0.3	1974	19° 22.167' N	116° 09.985' E	338.9	5.9
SO269_119-1	23.08.2019 05:32	CTD	in the water	155.9	0.3	1970	19° 22.167' N	116° 09.986' E	332.5	4.7
SO269_119-1	23.08.2019 06:13	CTD	max depth/on ground	35.4	0.1	1972	19° 22.164' N	116° 10.009' E	319.4	4.1
SO269_119-1	23.08.2019 06:51	CTD	on deck	120.2	0.2	1970	19° 22.168' N	116° 10.020' E	340.2	3.6
SO269_119-1	23.08.2019 06:54	CTD	station end	190.7	0.1	1956	19° 22.166' N	116° 10.014' E	325.2	3.4
SO269_120-1	23.08.2019 07:09	ADCP	station start	336.6	6.8	1947	19° 22.057' N	116° 10.015' E	335.2	3.8
SO269_120-1	23.08.2019 10:22	ADCP	profile end	323.1	2.5	1710	19° 45.930' N	116° 00.552' E	22.1	4.9
SO269_121-1	23.08.2019 10:24	CTD	station start	291.1	0.8	1712	19° 45.981' N	116° 00.495' E	23.8	4.9
SO269_121-1	23.08.2019 10:28	CTD	in the water	29.4	0.5	1709	19° 45.991' N	116° 00.484' E	26.0	4.9
SO269_121-1	23.08.2019 11:08	CTD	max depth/on ground	285.4	0.2	1709	19° 45.991' N	116° 00.482' E	9.8	3.9
SO269_121-1	23.08.2019 11:09	CTD	hoisting	123.4	0.1	1709	19° 45.990' N	116° 00.481' E	8.9	3.8
SO269_121-1	23.08.2019 11:48	CTD	on deck	46.6	0.1	1708	19° 45.992' N	116° 00.485' E	24.2	3.6
SO269_121-1	23.08.2019 11:55	CTD	station end	18.6	3.7	1710	19° 46.044' N	116° 00.494' E	16.3	3.4
SO269_122-1	23.08.2019 12:06	ADCP	profile start	341.8	8.8	1713	19° 45.945' N	116° 00.517' E	18.6	4.3
SO269_122-1	23.08.2019 15:33	ADCP	profile end	327.8	4.7	793	20° 11.800' N	115° 49.788' E	56.6	4.0
SO269_123-1	23.08.2019 15:43	CTD	station start	306.6	0.4	789	20° 12.160' N	115° 49.772' E	48.4	3.4
SO269_123-1	23.08.2019 15:44	CTD	in the water	13.2	0.3	786	20° 12.163' N	115° 49.772' E	47.8	2.9
SO269_123-1	23.08.2019 16:09	CTD	max depth/on ground	286.4	0.2	785	20° 12.180' N	115° 49.797' E	43.9	2.8
SO269_123-1	23.08.2019 16:36	CTD	on deck	300.3	0.1	785	20° 12.179' N	115° 49.795' E	31.7	3.6
SO269_123-1	23.08.2019 16:37	CTD	station end	269.0	0.2	786	20° 12.179' N	115° 49.794' E	34.1	3.6
SO269_124-1	23.08.2019 16:52	ADCP	station start	340.0	5.1	790	20° 11.924' N	115° 49.859' E	28.9	3.4
SO269_124-1	23.08.2019 20:12	ADCP	profile end	328.5	3.8	394	20° 36.398' N	115° 40.280' E	320.9	2.0
SO269_125-1	23.08.2019 20:15	CTD	station start	304.4	0.7	393	20° 36.479' N	115° 40.222' E	332.4	1.8
SO269_125-1	23.08.2019 20:16	CTD	in the water	186.0	0.3	392	20° 36.477' N	115° 40.215' E	341.6	2.1
SO269_125-1	23.08.2019 20:35	CTD	max depth/on ground	122.8	0.2	392	20° 36.483' N	115° 40.205' E	319.7	2.1

SO269_125-1	23.08.2019 20:36	CTD	hoisting	207.1	0.2	394	20° 36.483' N	115° 40.206' E	319.3	2.3
SO269_125-1	23.08.2019 20:53	CTD	on deck	257.2	0.0	393	20° 36.479' N	115° 40.200' E	307.2	2.9
SO269_125-1	23.08.2019 20:55	CTD	station end	36.9	0.2	392	20° 36.478' N	115° 40.203' E	304.5	3.2
SO269_125-2	23.08.2019 21:05	MSN	station start	80.5	0.1	392	20° 36.482' N	115° 40.195' E	297.8	3.9
SO269_125-2	23.08.2019 21:10	MSN	in the water	305.1	0.3	392	20° 36.479' N	115° 40.205' E	303.4	4.2
SO269_125-2	23.08.2019 21:14	MSN	max depth/on ground	174.7	0.1	392	20° 36.483' N	115° 40.197' E	296.7	4.2
SO269_125-2	23.08.2019 21:15	MSN	hoisting	329.5	0.1	392	20° 36.483' N	115° 40.197' E	298.6	4.3
SO269_125-2	23.08.2019 21:21	MSN	on deck	254.7	0.2	392	20° 36.479' N	115° 40.201' E	302.9	4.2
SO269_125-2	23.08.2019 21:23	MSN	station end	264.2	0.2	392	20° 36.479' N	115° 40.200' E	308.5	4.1
SO269_126-1	23.08.2019 21:35	ADCP	profile start	335.8	7.6	393	20° 36.424' N	115° 40.262' E	296.7	5.0
SO269_126-1	24.08.2019 00:05	ADCP	alter course	345.0	8.2	195	20° 54.866' N	115° 31.847' E	290.8	8.1
SO269_126-1	24.08.2019 00:56	ADCP	profile end	63.0	0.4	122	21° 00.682' N	115° 30.629' E	290.1	6.9
SO269_127-1	24.08.2019 00:58	CTD	station start	4.0	0.2	122	21° 00.685' N	115° 30.633' E	294.1	7.2
SO269_127-1	24.08.2019 01:02	CTD	in the water	356.7	0.3	122	21° 00.696' N	115° 30.623' E	308.4	05.7
SO269_127-1	24.08.2019 01:13	CTD	max depth/on ground	359.7	0.1	122	21° 00.723' N	115° 30.600' E	293.0	5.8
SO269_127-1	24.08.2019 01:15	CTD	hoisting	331.2	0.1	121	21° 00.725' N	115° 30.600' E	296.0	6.9
SO269_127-1	24.08.2019 01:24	CTD	on deck	159.2	0.2	122	21° 00.727' N	115° 30.603' E	283.5	6.6
SO269_127-1	24.08.2019 01:24	CTD	station end	164.1	0.3	122	21° 00.727' N	115° 30.604' E	289.7	5.6
SO269_128-1	24.08.2019 01:44	ADCP	profile start	335.6	6.9	123	21° 00.570' N	115° 30.634' E	286.2	7.9
SO269_128-1	24.08.2019 04:56	ADCP	station end	343.2	6.2	106	21° 24.598' N	115° 21.223' E	276.4	13.5
SO269_129-1	24.08.2019 05:12	CTD	station start	315.3	0.2	105	21° 24.819' N	115° 20.998' E	272.6	11.2
SO269_129-1	24.08.2019 05:14	CTD	in the water	164.8	0.2	105	21° 24.828' N	115° 20.999' E	263.3	10.5
SO269_129-1	24.08.2019 05:22	CTD	max depth/on ground	338.6	0.3	105	21° 24.808' N	115° 20.993' E	286.8	10.8
SO269_129-1	24.08.2019 05:32	CTD	on deck	181.1	0.5	105	21° 24.779' N	115° 20.988' E	279.8	9.8
SO269_129-1	24.08.2019 05:34	CTD	station end	179.0	0.2	1166	21° 24.772' N	115° 20.985' E	274.4	9.3
SO269_130-1	24.08.2019 05:46	ADCP	station start	253.5	5.1	105	21° 24.616' N	115° 20.462' E	278.5	10.3
SO269_130-1	24.08.2019 07:41	ADCP	alter course	258.3	8.0	96	21° 20.039' N	115° 04.968' E	270.0	8.5
SO269_130-1	24.08.2019 09:42	ADCP	profile end	275.7	1.9	84	21° 18.060' N	114° 48.246' E	251.6	9.7
SO269_131-1	24.08.2019 09:45	MUC	station start	103.1	0.3	84	21° 18.065' N	114° 48.220' E	254.2	12.3
SO269_131-1	24.08.2019 09:46	MUC	in the water	338.7	0.1	85	21° 18.063' N	114° 48.219' E	260.6	11.2

SO269_131-1	24.08.2019 09:47	MUC	information	291.1	0.1	85	21° 18.061' N	114° 48.215' E	258.5	9.6
SO269_131-1	24.08.2019 09:49	MUC	on deck	220.6	0.4	85	21° 18.061' N	114° 48.213' E	250.5	10.3
SO269_131-1	24.08.2019 09:50	MUC	in the water	203.6	0.4	84	21° 18.058' N	114° 48.209' E	248.1	11.6
SO269_131-1	24.08.2019 09:54	MUC	max depth/on ground	149.7	0.5	85	21° 18.049' N	114° 48.202' E	256.0	10.6
SO269_131-1	24.08.2019 09:56	MUC	hoisting	147.5	0.2	85	21° 18.047' N	114° 48.207' E	257.0	11.0
SO269_131-1	24.08.2019 10:00	MUC	on deck	276.4	0.3	85	21° 18.047' N	114° 48.202' E	258.8	10.6
SO269_131-1	24.08.2019 10:00	MUC	station end	282.2	0.3	85	21° 18.047' N	114° 48.200' E	257.3	11.1
SO269_131-2	24.08.2019 10:02	GC	station start	300.5	0.2	84	21° 18.046' N	114° 48.197' E	254.7	11.4
SO269_131-2	24.08.2019 10:11	GC	in the water	115.6	0.1	85	21° 18.038' N	114° 48.193' E	252.8	10.2
SO269_131-2	24.08.2019 10:16	GC	max depth/on ground	317.2	0.1	84	21° 18.040' N	114° 48.185' E	254.1	10.0
SO269_131-2	24.08.2019 10:23	GC	on deck	331.6	0.2	85	21° 18.043' N	114° 48.185' E	247.6	10.7
SO269_131-2	24.08.2019 10:31	GC	station end	202.3	0.1	84	21° 18.047' N	114° 48.182' E	246.7	10.7
SO269_131-3	24.08.2019 10:33	GC	station start	54.6	0.4	85	21° 18.045' N	114° 48.186' E	244.3	9.2
SO269_131-3	24.08.2019 10:35	GC	in the water	165.5	0.1	85	21° 18.043' N	114° 48.188' E	249.9	10.6
SO269_131-3	24.08.2019 10:39	GC	max depth/on ground	282.9	0.2	84	21° 18.036' N	114° 48.181' E	244.9	11.7
SO269_131-3	24.08.2019 10:47	GC	on deck	57.8	0.1	84	21° 18.046' N	114° 48.181' E	247.9	10.2
SO269_131-3	24.08.2019 10:51	GC	station end	357.4	1.5	84	21° 18.052' N	114° 48.179' E	245.6	11.6
SO269_132-1	24.08.2019 10:55	ADCP	profile start	34.3	5.5	85	21° 18.211' N	114° 48.242' E	248.0	12.1
SO269_132-1	24.08.2019 15:14	ADCP	alter course	45.6	7.9	76	21° 48.866' N	115° 05.109' E	257.6	16.5
SO269_132-1	24.08.2019 16:03	ADCP	station end	130.8	1.4	948	21° 51.957' N	115° 09.683' E	293.0	17. Jan
SO269_133-1	24.08.2019 16:04	CTD	station start	258.3	0.3	1370	21° 51.931' N	115° 09.698' E	296.2	16.0
SO269_133-1	24.08.2019 16:08	CTD	in the water	288.3	0.3	77	21° 51.933' N	115° 09.678' E	323.2	15.1
SO269_133-1	24.08.2019 16:14	CTD	max depth/on ground	84.4	0.6	76	21° 51.930' N	115° 09.674' E	320.8	13.1
SO269_133-1	24.08.2019 16:23	CTD	on deck	195.4	0.4	76	21° 51.939' N	115° 09.685' E	293.9	7.4
SO269_133-1	24.08.2019 16:25	CTD	station end	290.9	0.2	77	21° 51.939' N	115° 09.680' E	278.3	7.8
SO269_134-1	24.08.2019 16:30	ADCP	station start	269.5	3.5	76	21° 51.954' N	115° 09.613' E	302.9	9.5
SO269_134-1	24.08.2019 20:25	ADCP	profile end	278.9	2.8	58	21° 48.017' N	114° 37.240' E	246.1	11.2
SO269_135-1	24.08.2019 20:28	MUC	station start	298.9	0.6	58	21° 48.028' N	114° 37.149' E	245.2	11.0
SO269_135-1	24.08.2019 20:29	MUC	in the water	330.7	0.5	58	21° 48.029' N	114° 37.146' E	241.0	9.6
SO269_135-1	24.08.2019 20:33	MUC	max depth/on ground	351.5	0.2	59	21° 48.038' N	114° 37.135' E	237.6	9.9

SO269_135-1	24.08.2019 20:34	MUC	hoisting	3.3	0.1	58	21° 48.038' N	114° 37.134' E	239.1	11.1
SO269_135-1	24.08.2019 20:38	MUC	on deck	295.4	0.3	59	21° 48.038' N	114° 37.130' E	234.6	10.0
SO269_135-1	24.08.2019 20:43	MUC	station end	322.8	0.1	59	21° 48.043' N	114° 37.136' E	235.6	10.3
SO269_135-2	24.08.2019 20:44	GC	station start	205.9	0.4	58	21° 48.039' N	114° 37.136' E	235.1	11.1
SO269_135-2	24.08.2019 20:50	GC	in the water	197.1	0.1	58	21° 48.031' N	114° 37.135' E	235.5	8.5
SO269_135-2	24.08.2019 20:54	GC	max depth/on ground	215.9	0.2	58	21° 48.032' N	114° 37.133' E	233.9	10.7
SO269_135-2	24.08.2019 21:01	GC	on deck	293.2	0.1	59	21° 48.036' N	114° 37.137' E	237.0	9.4
SO269_135-2	24.08.2019 21:17	GC	station end	116.5	0.4	58	21° 48.035' N	114° 37.137' E	243.1	9.4
SO269_135-3	24.08.2019 21:18	GC	station start	91.8	0.2	58	21° 48.035' N	114° 37.141' E	241.5	10.2
SO269_135-3	24.08.2019 21:21	GC	in the water	257.1	0.2	59	21° 48.033' N	114° 37.140' E	243.9	10.3
SO269_135-3	24.08.2019 21:24	GC	max depth/on ground	353.7	0.2	59	21° 48.033' N	114° 37.132' E	241.8	9.2
SO269_135-3	24.08.2019 21:31	GC	on deck	120.5	0.1	58	21° 48.034' N	114° 37.131' E	245.0	10.2
SO269_135-3	24.08.2019 21:34	GC	station end	91.8	0.2	59	21° 48.037' N	114° 37.135' E	248.9	10.4
SO269_136-1	24.08.2019 21:40	ADCP	profile start	57.7	5.8	58	21° 48.194' N	114° 37.238' E	254.9	10.2
SO269_136-1	25.08.2019 01:52	ADCP	profile end	190.3	0.3	44	22° 10.357' N	115° 02.070' E	204.4	8.3
SO269_137-1	25.08.2019 01:53	CTD	station start	159.7	0.8	44	22° 10.354' N	115° 02.072' E	208.1	8.2
SO269_137-1	25.08.2019 01:54	CTD	in the water	105.4	0.1	44	22° 10.350' N	115° 02.073' E	207.2	7.2
SO269_137-1	25.08.2019 02:02	CTD	max depth/on ground	113.2	0.3	44	22° 10.357' N	115° 02.071' E	193.5	7.1
SO269_137-1	25.08.2019 02:03	CTD	hoisting	154.5	0.6	44	22° 10.355' N	115° 02.073' E	199.0	7.8
SO269_137-1	25.08.2019 02:12	CTD	on deck	7.2	0.1	43	22° 10.356' N	115° 02.068' E	191.5	4.2
SO269_137-1	25.08.2019 02:15	CTD	station end	166.8	0.1	44	22° 10.357' N	115° 02.068' E	179.7	8.3
SO269_138-1	25.08.2019 02:29	ADCP	profile start	157.8	7.3	44	22° 10.367' N	115° 02.080' E	209.5	10.3
SO269_138-1	25.08.2019 05:40	ADCP	profile end	152.0	7.2	85	21° 49.052' N	115° 15.232' E	237.4	20. 6
SO269_139-1	25.08.2019 05:41	ADCP	profile start	163.4	7.0	85	21° 48.944' N	115° 15.295' E	247.6	20. 8
SO269_139-1	25.08.2019 08:40	ADCP	profile end	168.2	7.0	105	21° 25.626' N	115° 20.818' E	233.4	14. 8
SO269_140-1	25.08.2019 08:45	ADCP	profile start	37.7	7.5	105	21° 25.431' N	115° 21.346' E	234.3	9.8
SO269_140-1	25.08.2019 13:34	ADCP	profile end	29.6	8.0	82	21° 59.223' N	115° 41.608' E	181.5	9.6
SO269_141-1	25.08.2019 13:36	ADCP	profile start	48.6	8.2	81	21° 59.388' N	115° 41.721' E	181.3	10.6
SO269_141-1	25.08.2019 15:12	ADCP	station end	157.5	8.3	98	21° 47.943' N	115° 46.749' E	193.2	9.6

SO269_142-1	25.08.2019 15:13	ADCP	profile start	159.3	8.4	97	21° 47.830' N	115° 46.794' E	192.2	12.9
SO269_142-1	25.08.2019 16:48	ADCP	profile end	164.6	8.0	119	21° 35.804' N	115° 51.588' E	193.9	12.1
SO269_143-1	25.08.2019 16:49	ADCP	profile start	164.0	7.9	120	21° 35.697' N	115° 51.618' E	197.5	11.4
SO269_143-1	25.08.2019 18:25	ADCP	profile end	163.1	8.1	174	21° 23.717' N	115° 56.398' E	173.8	11.3
SO269_144-1	25.08.2019 18:26	ADCP	profile start	166.8	8.4	179	21° 23.553' N	115° 56.453' E	177.0	10.8
SO269_144-1	25.08.2019 19:11	ADCP	alter course	160.6	8.4	224	21° 17.863' N	115° 58.230' E	185.6	10.8
SO269_144-1	25.08.2019 20:03	ADCP	profile end	150.2	8.3	266	21° 11.684' N	116° 01.794' E	188.3	11.4
SO269_145-1	25.08.2019 20:04	ADCP	profile start	158.5	8.1	263	21° 11.502' N	116° 01.872' E	180.4	9.6
SO269_145-1	25.08.2019 21:40	ADCP	profile end	159.2	8.7	305	20° 59.608' N	116° 06.593' E	169.0	10.0
SO269_146-1	25.08.2019 21:40	ADCP	profile start	162.2	7.4	305	20° 59.597' N	116° 06.597' E	174.4	9.7
SO269_146-1	25.08.2019 23:16	ADCP	profile end	158.3	7.9	442	20° 47.495' N	116° 11.387' E	181.7	12.0
SO269_147-1	25.08.2019 23:16	ADCP	profile start	158.8	8.0	445	20° 47.485' N	116° 11.392' E	182.2	10.7
SO269_147-1	26.08.2019 00:52	ADCP	profile end	157.9	8.0	619	20° 35.496' N	116° 16.144' E	185.2	9.6
SO269_148-1	26.08.2019 00:53	ADCP	profile start	159.6	7.9	621	20° 35.394' N	116° 16.185' E	181.4	7.5
SO269_148-1	26.08.2019 02:30	ADCP	profile end	157.4	8.3	830	20° 23.207' N	116° 20.981' E	186.0	8.5
SO269_149-1	26.08.2019 02:31	ADCP	profile start	157.4	8.0	832	20° 23.115' N	116° 21.017' E	180.6	8.1
SO269_149-1	26.08.2019 04:07	ADCP	profile end	161.1	8.0	911	20° 11.048' N	116° 25.801' E	191.6	7.5
SO269_150-1	26.08.2019 04:08	ADCP	profile start	164.6	8.2	914	20° 11.010' N	116° 25.815' E	188.4	7.7
SO269_150-1	26.08.2019 05:45	ADCP	profile end	160.4	8.3	1073	19° 58.877' N	116° 30.598' E	196.5	7.3
SO269_151-1	26.08.2019 05:46	ADCP	profile start	161.2	8.3	1078	19° 58.749' N	116° 30.649' E	193.6	6.7
SO269_151-1	26.08.2019 08:59	ADCP	profile end	162.0	7.8	2392	19° 34.489' N	116° 40.188' E	151.2	5.1
SO269_152-1	26.08.2019 08:59	ADCP	profile start	162.5	7.8	2392	19° 34.477' N	116° 40.193' E	147.1	5.0
SO269_152-1	26.08.2019 12:27	ADCP	profile end	196.6	1.2	3324	19° 09.977' N	116° 50.427' E	116.4	3.9
SO269_153-1	26.08.2019 12:30	CTD	station start	347.7	0.4	3330	19° 09.958' N	116° 50.436' E	112.0	3.9
SO269_153-1	26.08.2019 12:32	CTD	in the water	122.0	0.3	3334	19° 09.957' N	116° 50.437' E	102.8	3.1
SO269_153-1	26.08.2019 13:38	CTD	max depth/on ground	151.7	0.1	3319	19° 09.962' N	116° 50.403' E	135.5	2.5
SO269_153-1	26.08.2019 13:39	CTD	hoisting	200.3	0.6	3319	19° 09.961' N	116° 50.403' E	138.5	4.0
SO269_153-1	26.08.2019 14:45	CTD	on deck	58.0	0.4	3334	19° 09.964' N	116° 50.400' E	135.9	4.0
SO269_153-1	26.08.2019 14:47	CTD	station end	69.9	0.2	3334	19° 09.969' N	116° 50.402' E	136.6	3.8
SO269_153-2	26.08.2019 14:55	ISP	station start	56.1	0.2	3329	19° 09.966' N	116° 50.399' E	123.7	3.6

SO269_153-2	26.08.2019 14:57	ISP	in the water	143.5	0.1	3329	19° 09.967' N	116° 50.403' E	140.1	4.0
SO269_153-2	26.08.2019 15:39	ISP	max depth/on ground	79.0	0.3	3330	19° 09.963' N	116° 50.409' E	115.9	4.6
SO269_153-2	26.08.2019 20:53	ISP	hoisting	343.6	0.5	3331	19° 09.966' N	116° 50.406' E	86.2	05.4
SO269_153-2	26.08.2019 21:40	ISP	on deck	320.1	0.2	3330	19° 09.966' N	116° 50.402' E	78.9	4.7
SO269_153-2	26.08.2019 21:43	ISP	station end	103.3	0.1	3333	19° 09.963' N	116° 50.401' E	77.5	4.6
SO269_153-3	26.08.2019 21:44	MSN	station start	166.0	0.1	3338	19° 09.962' N	116° 50.401' E	78.0	5.2
SO269_153-3	26.08.2019 21:46	MSN	in the water	47.6	0.2	3331	19° 09.961' N	116° 50.402' E	85.5	5.9
SO269_153-3	26.08.2019 21:51	MSN	max depth/on ground	189.9	0.7	3331	19° 09.961' N	116° 50.402' E	79.5	5.5
SO269_153-3	26.08.2019 21:51	MSN	hoisting	182.8	0.2	3332	19° 09.961' N	116° 50.401' E	82.3	5.7
SO269_153-3	26.08.2019 21:57	MSN	on deck	8.1	0.2	3331	19° 09.961' N	116° 50.402' E	73.9	4.9
SO269_153-3	26.08.2019 22:06	MSN	in the water	163.5	0.2	3333	19° 09.970' N	116° 50.401' E	79.3	4.2
SO269_153-3	26.08.2019 22:31	MSN	max depth/on ground	189.8	0.2	3332	19° 09.965' N	116° 50.401' E	76.5	6.2
SO269_153-3	26.08.2019 22:32	MSN	hoisting	228.0	0.1	3336	19° 09.964' N	116° 50.399' E	74.4	5.9
SO269_153-3	26.08.2019 22:57	MSN	on deck	303.5	0.2	3332	19° 09.962' N	116° 50.401' E	69.4	6.0
SO269_153-3	26.08.2019 23:07	MSN	in the water	334.5	0.2	3335	19° 09.962' N	116° 50.404' E	70.2	5.9
SO269_153-3	27.08.2019 00:16	MSN	max depth/on ground	287.2	0.1	3332	19° 09.960' N	116° 50.400' E	70.6	7.0
SO269_153-3	27.08.2019 00:16	MSN	hoisting	2.9	0.3	3332	19° 09.960' N	116° 50.400' E	68.4	6.7
SO269_153-3	27.08.2019 01:20	MSN	on deck	355.9	0.4	3334	19° 09.964' N	116° 50.407' E	62.7	7.5
SO269_153-3	27.08.2019 01:22	MSN	station end	316.7	0.3	3331	19° 09.965' N	116° 50.404' E	60.7	6.8
SO269_153-4	27.08.2019 01:25	PUMP	station start	267.5	0.0	3342	19° 09.964' N	116° 50.402' E	64.0	6.1
SO269_153-4	27.08.2019 01:30	PUMP	in the water	358.9	0.2	3344	19° 09.970' N	116° 50.405' E	59.7	6.0
SO269_153-4	27.08.2019 01:47	PUMP	at surface	168.3	0.3	3332	19° 09.967' N	116° 50.398' E	68.6	7.6
SO269_153-4	27.08.2019 01:59	PUMP	information	253.1	0.1	3337	19° 09.970' N	116° 50.407' E	48.2	5.1
SO269_153-4	27.08.2019 02:11	PUMP	information	202.6	0.0	3335	19° 09.964' N	116° 50.406' E	56.5	05.7
SO269_153-4	27.08.2019 06:06	PUMP	information	306.0	0.1	3342	19° 09.971' N	116° 50.404' E	55.6	6.6
SO269_153-4	27.08.2019 06:10	PUMP	at surface	299.4	0.0	3337	19° 09.970' N	116° 50.401' E	69.8	6.2
SO269_153-4	27.08.2019 06:11	PUMP	information	254.6	0.2	3335	19° 09.970' N	116° 50.400' E	60.7	6.4
SO269_153-4	27.08.2019 06:20	PUMP	max depth/on ground	76.3	0.2	3334	19° 09.966' N	116° 50.402' E	52.8	7.5
SO269_153-4	27.08.2019 06:27	PUMP	on deck	108.7	0.1	3344	19° 09.962' N	116° 50.398' E	54.9	6.8
SO269_153-4	27.08.2019 06:32	PUMP	station end	27.5	0.2	3330	19° 09.965' N	116° 50.407' E	50.9	7.4

SO269_153-5	27.08.2019 06:35	CTD	station start	320.9	0.1	3331	19° 09.967' N	116° 50.407' E	54.0	6.9
SO269_153-5	27.08.2019 06:37	CTD	in the water	210.4	0.2	3342	19° 09.966' N	116° 50.404' E	56.7	7.7
SO269_153-5	27.08.2019 06:40	CTD	in the water	301.1	0.0	3331	19° 09.962' N	116° 50.398' E	59.5	7.6
SO269_153-5	27.08.2019 06:43	CTD	information	309.4	0.2	3331	19° 09.962' N	116° 50.399' E	43.8	8.5
SO269_153-5	27.08.2019 06:44	CTD	on deck	270.8	0.0	3340	19° 09.962' N	116° 50.400' E	50.9	8.3
SO269_153-5	27.08.2019 06:47	CTD	on deck	40.5	0.1	3330	19° 09.963' N	116° 50.403' E	66.4	7.8
SO269_153-5	27.08.2019 06:54	CTD	in the water	101.0	0.1	3338	19° 09.969' N	116° 50.406' E	50.3	9.0
SO269_153-5	27.08.2019 06:58	CTD	in the water	351.0	0.1	3334	19° 09.966' N	116° 50.401' E	59.4	9.2
SO269_153-5	27.08.2019 07:12	CTD	max depth/on ground	126.2	0.0	3329	19° 09.968' N	116° 50.400' E	64.8	7.5
SO269_153-5	27.08.2019 12:16	CTD	hoisting	113.8	0.1	3330	19° 09.968' N	116° 50.401' E	46.6	11.7
SO269_153-5	27.08.2019 12:35	CTD	on deck	51.8	0.2	3342	19° 09.965' N	116° 50.401' E	30.0	9.9
SO269_153-5	27.08.2019 12:35	CTD	station end	351.9	0.2	3331	19° 09.966' N	116° 50.401' E	31.7	9.4
SO269_153-6	27.08.2019 12:39	PUMP	station start	269.2	0.4	3340	19° 09.966' N	116° 50.407' E	34.9	10.0
SO269_153-6	27.08.2019 12:42	PUMP	in the water	293.8	0.2	3340	19° 09.966' N	116° 50.400' E	38.0	10.0
SO269_153-6	27.08.2019 12:46	PUMP	information	248.8	0.0	3340	19° 09.964' N	116° 50.397' E	36.5	10.7
SO269_153-6	27.08.2019 13:13	PUMP	information	163.6	0.1	3340	19° 09.964' N	116° 50.401' E	39.1	11.2
SO269_153-6	27.08.2019 16:06	PUMP	information	72.2	0.2	3340	19° 09.960' N	116° 50.404' E	26.4	13.6
SO269_153-6	27.08.2019 16:09	PUMP	at surface	111.3	0.2	3340	19° 09.964' N	116° 50.406' E	24.5	11.4
SO269_153-6	27.08.2019 16:11	PUMP	information	127.6	0.4	3340	19° 09.966' N	116° 50.402' E	22.7	12.9
SO269_153-6	27.08.2019 16:18	PUMP	max depth/on ground	293.4	0.2	3340	19° 09.963' N	116° 50.404' E	21.8	10.7
SO269_153-6	27.08.2019 16:25	PUMP	on deck	239.6	0.3	3340	19° 09.962' N	116° 50.406' E	22.2	15.3
SO269_153-6	27.08.2019 16:27	PUMP	station end	189.8	0.0	3340	19° 09.960' N	116° 50.405' E	28.7	14.7
SO269_153-7	27.08.2019 16:28	MUC	station start	188.2	0.0	3340	19° 09.960' N	116° 50.406' E	21.0	13.5
SO269_153-7	27.08.2019 16:35	MUC	in the water	350.5	0.2	3340	19° 09.959' N	116° 50.403' E	14.9	13.1
SO269_153-7	27.08.2019 17:37	MUC	max depth/on ground	231.1	0.2	3329	19° 09.967' N	116° 50.408' E	11.8	15.1
SO269_153-7	27.08.2019 17:38	MUC	hoisting	43.9	0.4	3342	19° 09.967' N	116° 50.410' E	11.0	15.9
SO269_153-7	27.08.2019 19:21	MUC	on deck	285.9	0.1	3336	19° 09.966' N	116° 50.403' E	28.3	15.9
SO269_153-7	27.08.2019 19:25	MUC	station end	103.2	0.1	3326	19° 09.966' N	116° 50.393' E	27.0	12.9
SO269_154-1	27.08.2019 23:47	CTD	station start	32.9	0.6	2390	19° 34.441' N	116° 40.203' E	21.3	15.2
SO269_154-1	27.08.2019 23:50	CTD	in the water	318.5	0.5	2393	19° 34.442' N	116° 40.200' E	22.3	14.6

SO269_154-1	28.08.2019 00:37	CTD	max depth/on ground	306.9	0.7	2391	19° 34.438' N	116° 40.204' E	16.6	15.2
SO269_154-1	28.08.2019 00:38	CTD	hoisting	132.1	0.8	2389	19° 34.437' N	116° 40.205' E	25.7	13.4
SO269_154-1	28.08.2019 01:31	CTD	on deck	126.0	0.4	2392	19° 34.444' N	116° 40.200' E	20.7	14.2
SO269_154-1	28.08.2019 01:31	CTD	station end	323.1	0.3	2389	19° 34.444' N	116° 40.201' E	17.9	14.4
SO269_155-1	28.08.2019 04:46	CTD	station start	10.7	0.3	1075	19° 58.867' N	116° 30.507' E	13.1	13.1
SO269_155-1	28.08.2019 04:48	CTD	in the water	195.6	0.4	1073	19° 58.864' N	116° 30.508' E	25.8	14.7
SO269_155-1	28.08.2019 05:12	CTD	max depth/on ground	312.9	0.2	1073	19° 58.863' N	116° 30.511' E	17.3	15.4
SO269_155-1	28.08.2019 05:40	CTD	on deck	98.8	0.4	1077	19° 58.869' N	116° 30.503' E	23.8	14.0
SO269_155-1	28.08.2019 05:42	CTD	station end	322.2	0.6	1073	19° 58.869' N	116° 30.502' E	22.7	14.7
SO269_156-1	28.08.2019 07:32	CTD	station start	297.2	0.6	911	20° 11.090' N	116° 25.727' E	49.0	12.1
SO269_156-1	28.08.2019 07:36	CTD	in the water	52.3	0.5	909	20° 11.093' N	116° 25.719' E	50.5	13.8
SO269_156-1	28.08.2019 07:58	CTD	max depth/on ground	149.3	0.2	910	20° 11.092' N	116° 25.716' E	44.4	18.0
SO269_156-1	28.08.2019 08:25	CTD	on deck	157.8	0.4	909	20° 11.090' N	116° 25.713' E	55.6	16.6
SO269_156-1	28.08.2019 08:27	CTD	station end	64.9	0.5	909	20° 11.093' N	116° 25.713' E	57.6	16.4
SO269_157-1	28.08.2019 10:08	CTD	station start	328.3	6.4	832	20° 22.959' N	116° 20.994' E	77.9	16.1
SO269_157-1	28.08.2019 10:19	CTD	in the water	75.2	0.4	828	20° 23.209' N	116° 20.952' E	60.4	17.1
SO269_157-1	28.08.2019 10:40	CTD	max depth/on ground	258.9	0.3	829	20° 23.211' N	116° 20.981' E	69.8	13.1
SO269_157-1	28.08.2019 10:40	CTD	hoisting	306.1	0.4	830	20° 23.212' N	116° 20.981' E	57.3	15.3
SO269_157-1	28.08.2019 11:03	CTD	on deck	158.6	0.7	829	20° 23.205' N	116° 20.979' E	66.5	16.0
SO269_157-1	28.08.2019 11:07	CTD	station end	105.7	0.8	830	20° 23.205' N	116° 20.975' E	67.8	17.6
SO269_158-1	28.08.2019 13:29	CTD	station start	212.8	0.4	622	20° 35.360' N	116° 16.145' E	91.0	11.5
SO269_158-1	28.08.2019 13:33	CTD	in the water	143.6	0.4	622	20° 35.361' N	116° 16.160' E	90.6	13.7
SO269_158-1	28.08.2019 13:52	CTD	max depth/on ground	252.2	0.3	623	20° 35.344' N	116° 16.205' E	82.5	10.1
SO269_158-1	28.08.2019 13:53	CTD	hoisting	332.2	0.2	621	20° 35.344' N	116° 16.202' E	87.2	12.6
SO269_158-1	28.08.2019 14:15	CTD	on deck	170.6	0.4	622	20° 35.348' N	116° 16.198' E	91.6	11.7
SO269_158-1	28.08.2019 14:15	CTD	station end	105.6	0.5	623	20° 35.348' N	116° 16.198' E	85.0	12.6
SO269_159-1	28.08.2019 14:20	ADCP	profile start	126.0	0.5	622	20° 35.348' N	116° 16.204' E	93.5	11.7
SO269_159-1	28.08.2019 16:02	ADCP	profile end	322.8	7.8	426	20° 46.875' N	116° 11.612' E	110.5	8.9
SO269_160-1	28.08.2019 16:03	ADCP	profile start	286.4	8.0	427	20° 46.975' N	116° 11.481' E	106.6	3.9
SO269_160-1	28.08.2019 18:26	ADCP	profile end	214.7	8.0	564	20° 30.436' N	116° 01.634' E	97.3	11.5

SO269_161-1	28.08.2019 18:27	ADCP	profile start	240.2	8.0	566	20° 30.339' N	116° 01.541' E	100.7	11.8
SO269_161-1	28.08.2019 20:46	ADCP	profile end	341.8	8.4	384	20° 47.634' N	115° 54.679' E	109.3	10.6
SO269_162-1	28.08.2019 20:49	ADCP	profile start	29.8	6.0	364	20° 47.899' N	115° 54.686' E	124.8	11.7
SO269_162-1	28.08.2019 22:52	ADCP	profile end	131.2	3.5	446	20° 47.563' N	116° 11.340' E	141.3	9.2
SO269_163-1	28.08.2019 22:56	CTD	station start	147.6	0.2	719	20° 47.465' N	116° 11.482' E	137.7	8.2
SO269_163-1	28.08.2019 23:00	CTD	in the water	234.9	0.9	426	20° 47.467' N	116° 11.464' E	133.7	8.7
SO269_163-1	28.08.2019 23:16	CTD	max depth/on ground	48.7	0.6	424	20° 47.460' N	116° 11.410' E	127.8	9.7
SO269_163-1	28.08.2019 23:16	CTD	hoisting	64.4	0.4	425	20° 47.461' N	116° 11.408' E	127.5	10.0
SO269_163-1	28.08.2019 23:33	CTD	on deck	337.5	0.3	425	20° 47.459' N	116° 11.397' E	130.3	8.8
SO269_163-1	28.08.2019 23:37	CTD	station end	36.6	0.2	425	20° 47.454' N	116° 11.399' E	120.5	9.1
SO269_163-2	28.08.2019 23:38	MSN	station start	267.9	0.2	424	20° 47.455' N	116° 11.397' E	124.8	9.0
SO269_163-2	28.08.2019 23:45	MSN	in the water	297.6	0.3	442	20° 47.455' N	116° 11.400' E	131.7	8.5
SO269_163-2	28.08.2019 23:49	MSN	max depth/on ground	283.9	0.2	424	20° 47.456' N	116° 11.399' E	122.0	8.8
SO269_163-2	28.08.2019 23:50	MSN	hoisting	30.2	0.4	424	20° 47.456' N	116° 11.398' E	122.0	7.7
SO269_163-2	28.08.2019 23:56	MSN	on deck	96.2	0.4	443	20° 47.457' N	116° 11.401' E	126.3	9.0
SO269_163-2	28.08.2019 23:59	MSN	station end	163.3	0.2	425	20° 47.458' N	116° 11.404' E	128.5	8.5
SO269_163-3	28.08.2019 23:59	PLA	station start	69.5	0.2	425	20° 47.458' N	116° 11.404' E	127.7	8.9
SO269_163-3	29.08.2019 00:00	PLA	in the water	91.0	0.2	425	20° 47.459' N	116° 11.402' E	130.3	8.7
SO269_163-3	29.08.2019 00:12	PLA	max depth/on ground	17.3	0.4	358	20° 47.462' N	116° 11.404' E	126.0	8.8
SO269_163-3	29.08.2019 00:13	PLA	hoisting	233.1	0.1	425	20° 47.463' N	116° 11.403' E	129.1	8.1
SO269_163-3	29.08.2019 00:25	PLA	on deck	281.9	0.3	443	20° 47.465' N	116° 11.405' E	142.4	10.4
SO269_163-3	29.08.2019 00:25	PLA	station end	6.2	0.2	426	20° 47.465' N	116° 11.404' E	144.8	9.7
SO269_163-4	29.08.2019 00:26	CTD	station start	249.2	0.5	424	20° 47.464' N	116° 11.404' E	141.1	9.2
SO269_163-4	29.08.2019 00:57	CTD	in the water	46.6	0.2	425	20° 47.459' N	116° 11.407' E	116.1	7.1
SO269_163-4	29.08.2019 01:11	CTD	max depth/on ground	109.3	0.4	428	20° 47.463' N	116° 11.402' E	120.1	7.3
SO269_163-4	29.08.2019 01:12	CTD	hoisting	20.0	0.2	426	20° 47.463' N	116° 11.401' E	114.1	7.3
SO269_163-4	29.08.2019 01:22	CTD	on deck	43.0	0.5	425	20° 47.463' N	116° 11.405' E	123.8	6.5
SO269_163-4	29.08.2019 01:55	CTD	in the water	27.8	0.4	425	20° 47.462' N	116° 11.407' E	142.5	6.3
SO269_163-4	29.08.2019 02:09	CTD	max depth/on ground	69.0	0.7	425	20° 47.460' N	116° 11.403' E	139.5	7.1
SO269_163-4	29.08.2019 02:09	CTD	hoisting	41.0	0.9	425	20° 47.460' N	116° 11.403' E	138.5	6.9

SO269_163-4	29.08.2019 02:24	CTD	on deck	214.8	0.6	424	20° 47.461' N	116° 11.402' E	144.1	6.2
SO269_163-4	29.08.2019 02:54	CTD	in the water	228.9	0.2	424	20° 47.462' N	116° 11.407' E	163.2	6.5
SO269_163-4	29.08.2019 03:11	CTD	max depth/on ground	259.1	0.5	423	20° 47.456' N	116° 11.395' E	119.0	8.8
SO269_163-4	29.08.2019 03:11	CTD	hoisting	222.5	0.4	425	20° 47.456' N	116° 11.395' E	118.3	9.0
SO269_163-4	29.08.2019 03:22	CTD	on deck	10.6	0.2	425	20° 47.460' N	116° 11.404' E	104.3	7.7
SO269_163-4	29.08.2019 03:57	CTD	in the water	43.5	0.7	425	20° 47.462' N	116° 11.403' E	120.4	6.9
SO269_163-4	29.08.2019 04:11	CTD	max depth/on ground	221.1	0.6	424	20° 47.460' N	116° 11.404' E	116.3	6.1
SO269_163-4	29.08.2019 04:11	CTD	hoisting	168.8	0.2	424	20° 47.460' N	116° 11.404' E	123.7	05.7
SO269_163-4	29.08.2019 04:25	CTD	on deck	253.5	0.7	423	20° 47.465' N	116° 11.405' E	130.4	6.5
SO269_163-4	29.08.2019 04:55	CTD	in the water	264.0	0.2	423	20° 47.458' N	116° 11.401' E	161.4	6.9
SO269_163-4	29.08.2019 05:09	CTD	max depth/on ground	257.1	0.6	424	20° 47.457' N	116° 11.400' E	161.1	5.5
SO269_163-4	29.08.2019 05:19	CTD	on deck	352.0	0.0	425	20° 47.457' N	116° 11.399' E	145.3	5.2
SO269_163-4	29.08.2019 05:55	CTD	in the water	260.8	0.5	424	20° 47.456' N	116° 11.397' E	150.1	5.8
SO269_163-4	29.08.2019 06:09	CTD	max depth/on ground	233.4	0.2	423	20° 47.456' N	116° 11.401' E	141.7	6.0
SO269_163-4	29.08.2019 06:21	CTD	on deck	262.4	0.2	423	20° 47.455' N	116° 11.401' E	131.9	5.0
SO269_163-4	29.08.2019 06:56	CTD	in the water	50.5	0.2	423	20° 47.461' N	116° 11.406' E	123.1	4.4
SO269_163-4	29.08.2019 07:10	CTD	max depth/on ground	241.0	0.2	424	20° 47.462' N	116° 11.407' E	144.3	4.9
SO269_163-4	29.08.2019 07:20	CTD	on deck	178.8	0.4	425	20° 47.461' N	116° 11.407' E	165.6	5.0
SO269_163-4	29.08.2019 07:54	CTD	in the water	17.3	0.3	424	20° 47.463' N	116° 11.398' E	161.4	4.9
SO269_163-4	29.08.2019 08:11	CTD	max depth/on ground	249.8	0.7	459	20° 47.458' N	116° 11.400' E	148.0	4.9
SO269_163-4	29.08.2019 08:24	CTD	on deck	332.4	0.2	423	20° 47.461' N	116° 11.408' E	146.2	3.9
SO269_163-4	29.08.2019 08:56	CTD	in the water	358.6	0.1	424	20° 47.457' N	116° 11.400' E	137.3	4.8
SO269_163-4	29.08.2019 09:10	CTD	max depth/on ground	240.2	0.2	424	20° 47.460' N	116° 11.401' E	138.4	5.7
SO269_163-4	29.08.2019 09:22	CTD	on deck	335.1	0.5	423	20° 47.454' N	116° 11.401' E	132.9	6.1
SO269_163-4	29.08.2019 09:55	CTD	in the water	180.7	0.3	424	20° 47.461' N	116° 11.395' E	136.5	7.0
SO269_163-4	29.08.2019 10:12	CTD	max depth/on ground	108.6	0.5	424	20° 47.457' N	116° 11.401' E	136.1	6.0
SO269_163-4	29.08.2019 10:25	CTD	on deck	81.6	0.2	424	20° 47.461' N	116° 11.395' E	133.3	8.5
SO269_163-4	29.08.2019 10:55	CTD	in the water	25.3	0.5	425	20° 47.458' N	116° 11.398' E	121.9	7.5
SO269_163-4	29.08.2019 11:11	CTD	max depth/on ground	80.6	0.4	424	20° 47.457' N	116° 11.399' E	124.9	7.3
SO269_163-4	29.08.2019 11:21	CTD	on deck	125.3	0.2	424	20° 47.460' N	116° 11.401' E	123.9	7.0

SO269_163-4	29.08.2019 11:55	CTD	in the water	237.7	0.4	424	20° 47.457' N	116° 11.403' E	118.2	6.4
SO269_163-4	29.08.2019 12:09	CTD	max depth/on ground	275.6	0.5	425	20° 47.463' N	116° 11.406' E	124.9	7.2
SO269_163-4	29.08.2019 12:09	CTD	hoisting	65.7	0.0	424	20° 47.463' N	116° 11.406' E	123.4	7.5
SO269_163-4	29.08.2019 12:22	CTD	on deck	240.3	0.2	445	20° 47.458' N	116° 11.406' E	127.4	6.5
SO269_163-4	29.08.2019 12:55	CTD	in the water	18.4	0.3	425	20° 47.461' N	116° 11.401' E	130.7	6.2
SO269_163-4	29.08.2019 13:09	CTD	max depth/on ground	259.3	0.4	771	20° 47.454' N	116° 11.404' E	126.4	7.2
SO269_163-4	29.08.2019 13:10	CTD	hoisting	354.2	0.4	879	20° 47.455' N	116° 11.404' E	123.2	6.7
SO269_163-4	29.08.2019 13:20	CTD	on deck	63.4	0.5	424	20° 47.458' N	116° 11.396' E	123.3	6.8
SO269_163-4	29.08.2019 13:58	CTD	in the water	330.4	0.3	424	20° 47.460' N	116° 11.404' E	121.0	6.9
SO269_163-4	29.08.2019 14:10	CTD	max depth/on ground	221.3	0.4	424	20° 47.464' N	116° 11.398' E	125.4	7.4
SO269_163-4	29.08.2019 14:10	CTD	hoisting	12.0	0.1	424	20° 47.464' N	116° 11.398' E	120.7	6.8
SO269_163-4	29.08.2019 14:24	CTD	on deck	237.5	0.7	579	20° 47.465' N	116° 11.401' E	127.7	7.1
SO269_163-4	29.08.2019 14:56	CTD	in the water	235.8	0.5	424	20° 47.462' N	116° 11.403' E	126.8	7.5
SO269_163-4	29.08.2019 15:10	CTD	max depth/on ground	107.3	0.3	423	20° 47.460' N	116° 11.398' E	125.8	6.5
SO269_163-4	29.08.2019 15:10	CTD	hoisting	199.6	0.2	424	20° 47.459' N	116° 11.398' E	131.3	6.9
SO269_163-4	29.08.2019 15:21	CTD	on deck	311.4	0.4	845	20° 47.458' N	116° 11.398' E	134.9	5.3
SO269_163-4	29.08.2019 15:53	CTD	in the water	288.2	0.1	464	20° 47.461' N	116° 11.407' E	124.9	6.4
SO269_163-4	29.08.2019 16:08	CTD	max depth/on ground	230.6	0.3	844	20° 47.462' N	116° 11.402' E	138.5	6.0
SO269_163-4	29.08.2019 16:09	CTD	hoisting	224.9	0.5	854	20° 47.463' N	116° 11.400' E	135.8	05.7
SO269_163-4	29.08.2019 16:21	CTD	on deck	243.3	0.4	426	20° 47.465' N	116° 11.402' E	140.1	7.0
SO269_163-4	29.08.2019 16:54	CTD	in the water	33.7	0.2	424	20° 47.461' N	116° 11.404' E	162.3	8.2
SO269_163-4	29.08.2019 17:09	CTD	max depth/on ground	325.2	0.2	424	20° 47.462' N	116° 11.402' E	165.3	8.7
SO269_163-4	29.08.2019 17:09	CTD	hoisting	336.9	0.2	424	20° 47.462' N	116° 11.402' E	164.5	8.0
SO269_163-4	29.08.2019 17:19	CTD	on deck	104.6	0.1	424	20° 47.461' N	116° 11.399' E	172.7	7.9
SO269_163-4	29.08.2019 17:53	CTD	in the water	186.7	0.2	424	20° 47.457' N	116° 11.398' E	156.9	8.0
SO269_163-4	29.08.2019 18:10	CTD	max depth/on ground	206.1	0.4	424	20° 47.462' N	116° 11.402' E	170.0	7.6
SO269_163-4	29.08.2019 18:10	CTD	hoisting	197.4	0.4	424	20° 47.461' N	116° 11.402' E	168.8	7.4
SO269_163-4	29.08.2019 18:23	CTD	on deck	282.1	0.2	424	20° 47.455' N	116° 11.402' E	160.7	7.5
SO269_163-4	29.08.2019 18:54	CTD	in the water	329.9	0.4	424	20° 47.460' N	116° 11.404' E	168.2	8.0
SO269_163-4	29.08.2019 19:11	CTD	max depth/on ground	283.7	0.2	424	20° 47.463' N	116° 11.403' E	170.4	8.3

SO269_163-4	29.08.2019 19:11	CTD	hoisting	289.3	0.4	424	20° 47.463' N	116° 11.403' E	173.2	8.1
SO269_163-4	29.08.2019 19:21	CTD	on deck	199.1	0.5	424	20° 47.459' N	116° 11.402' E	161.7	8.5
SO269_163-4	29.08.2019 19:56	CTD	in the water	97.6	0.5	424	20° 47.460' N	116° 11.399' E	158.7	8.3
SO269_163-4	29.08.2019 20:11	CTD	max depth/on ground	274.7	0.6	424	20° 47.464' N	116° 11.398' E	172.5	8.7
SO269_163-4	29.08.2019 20:24	CTD	on deck	203.7	0.3	424	20° 47.462' N	116° 11.399' E	176.5	8.7
SO269_163-4	29.08.2019 20:57	CTD	in the water	196.9	0.3	424	20° 47.458' N	116° 11.403' E	181.5	7.2
SO269_163-4	29.08.2019 21:12	CTD	max depth/on ground	211.7	0.3	424	20° 47.462' N	116° 11.398' E	182.7	8.3
SO269_163-4	29.08.2019 21:22	CTD	on deck	235.4	0.7	424	20° 47.462' N	116° 11.398' E	173.2	6.9
SO269_163-4	29.08.2019 21:55	CTD	in the water	346.0	0.4	424	20° 47.459' N	116° 11.400' E	165.6	7.6
SO269_163-4	29.08.2019 22:12	CTD	max depth/on ground	124.6	0.2	424	20° 47.462' N	116° 11.405' E	173.7	8.2
SO269_163-4	29.08.2019 22:25	CTD	on deck	236.7	0.7	424	20° 47.461' N	116° 11.405' E	178.1	7.8
SO269_163-4	29.08.2019 22:55	CTD	in the water	277.0	0.4	424	20° 47.456' N	116° 11.396' E	193.3	6.5
SO269_163-4	29.08.2019 23:10	CTD	max depth/on ground	105.1	0.2	424	20° 47.466' N	116° 11.401' E	173.7	7.1
SO269_163-4	29.08.2019 23:20	CTD	on deck	28.6	0.1	424	20° 47.455' N	116° 11.402' E	183.5	8.0
SO269_163-4	29.08.2019 23:54	CTD	in the water	236.6	0.5	424	20° 47.463' N	116° 11.401' E	183.4	7.9
SO269_163-4	30.08.2019 00:11	CTD	max depth/on ground	104.7	0.4	424	20° 47.458' N	116° 11.400' E	186.7	6.7
SO269_163-4	30.08.2019 00:11	CTD	hoisting	140.1	0.3	424	20° 47.457' N	116° 11.400' E	190.4	6.7
SO269_163-4	30.08.2019 00:24	CTD	on deck	247.0	0.2	424	20° 47.464' N	116° 11.404' E	173.0	7.0
SO269_163-4	30.08.2019 00:56	CTD	in the water	319.4	0.2	425	20° 47.465' N	116° 11.406' E	188.8	6.6
SO269_163-4	30.08.2019 01:11	CTD	max depth/on ground	355.5	0.4	437	20° 47.458' N	116° 11.404' E	177.5	6.0
SO269_163-4	30.08.2019 01:11	CTD	hoisting	321.4	0.5	425	20° 47.458' N	116° 11.404' E	184.4	5.5
SO269_163-4	30.08.2019 01:21	CTD	on deck	306.2	0.2	448	20° 47.463' N	116° 11.405' E	182.8	6.7
SO269_163-4	30.08.2019 01:57	CTD	in the water	61.5	0.6	424	20° 47.459' N	116° 11.402' E	179.7	4.8
SO269_163-4	30.08.2019 02:11	CTD	max depth/on ground	85.7	0.1	424	20° 47.457' N	116° 11.397' E	180.5	4.0
SO269_163-4	30.08.2019 02:11	CTD	hoisting	10.9	0.4	424	20° 47.457' N	116° 11.397' E	175.4	3.7
SO269_163-4	30.08.2019 02:24	CTD	on deck	259.6	0.2	425	20° 47.460' N	116° 11.407' E	207.8	3.8
SO269_163-4	30.08.2019 02:30	CTD	station end	164.8	0.2	425	20° 47.461' N	116° 11.403' E	187.0	3.5
SO269_163-5	29.08.2019 09:24	MSN	station start	101.4	0.1	424	20° 47.459' N	116° 11.401' E	130.6	7.2
SO269_163-5	29.08.2019 09:26	MSN	in the water	330.9	0.1	424	20° 47.459' N	116° 11.403' E	129.5	6.1
SO269_163-5	29.08.2019 09:30	MSN	max depth/on ground	310.2	0.1	424	20° 47.457' N	116° 11.400' E	131.9	7.3

SO269_163-5	29.08.2019 09:36	MSN	on deck	254.8	0.5	424	20° 47.456' N	116° 11.401' E	130.4	6.0
SO269_163-5	29.08.2019 09:39	MSN	station end	277.2	0.2	424	20° 47.455' N	116° 11.397' E	139.6	5.2
SO269_163-6	30.08.2019 02:32	MSN	station start	60.8	0.2	424	20° 47.457' N	116° 11.401' E	169.5	3.3
SO269_163-6	30.08.2019 02:38	MSN	in the water	80.0	0.4	424	20° 47.459' N	116° 11.395' E	158.5	3.5
SO269_163-6	30.08.2019 02:53	MSN	max depth/on ground	231.3	0.7	425	20° 47.463' N	116° 11.402' E	169.5	3.4
SO269_163-6	30.08.2019 02:53	MSN	hoisting	151.7	0.1	425	20° 47.463' N	116° 11.402' E	161.8	3.6
SO269_163-6	30.08.2019 03:11	MSN	on deck	53.9	0.3	424	20° 47.461' N	116° 11.405' E	171.1	2.8
SO269_163-6	30.08.2019 03:12	MSN	station end	39.1	0.6	424	20° 47.461' N	116° 11.405' E	159.7	2.6
SO269_163-7	30.08.2019 03:19	MUC	station start	202.5	0.4	424	20° 47.457' N	116° 11.404' E	169.3	2.9
SO269_163-7	30.08.2019 03:21	MUC	in the water	81.8	0.3	425	20° 47.457' N	116° 11.404' E	179.5	2.7
SO269_163-7	30.08.2019 04:00	MUC	max depth/on ground	278.2	0.1	424	20° 47.456' N	116° 11.402' E	161.6	2.1
SO269_163-7	30.08.2019 04:00	MUC	hoisting	248.8	0.8	447	20° 47.457' N	116° 11.402' E	168.4	2.8
SO269_163-7	30.08.2019 04:18	MUC	on deck	273.0	0.4	424	20° 47.458' N	116° 11.405' E	169.2	2.7
SO269_163-7	30.08.2019 04:20	MUC	station end	171.8	0.0	424	20° 47.458' N	116° 11.404' E	187.9	1.9
SO269_163-8	30.08.2019 04:22	GC	station start	277.4	0.4	424	20° 47.460' N	116° 11.404' E	188.1	2.3
SO269_163-8	30.08.2019 04:28	GC	in the water	334.4	0.4	425	20° 47.461' N	116° 11.406' E	156.9	2.2
SO269_163-8	30.08.2019 04:39	GC	max depth/on ground	113.4	0.2	425	20° 47.463' N	116° 11.406' E	173.7	3.3
SO269_163-8	30.08.2019 04:40	GC	hoisting	118.3	0.5	424	20° 47.461' N	116° 11.407' E	171.4	3.4
SO269_163-8	30.08.2019 04:53	GC	on deck	217.5	0.6	425	20° 47.460' N	116° 11.406' E	183.9	4.6
SO269_163-8	30.08.2019 05:00	GC	station end	311.3	0.1	424	20° 47.457' N	116° 11.405' E	185.0	3.0
SO269_163-9	30.08.2019 05:01	GC	station start	227.3	0.6	425	20° 47.457' N	116° 11.405' E	180.7	3.3
SO269_163-9	30.08.2019 05:09	GC	in the water	257.6	0.3	424	20° 47.454' N	116° 11.402' E	185.8	3.6
SO269_163-9	30.08.2019 05:19	GC	max depth/on ground	82.9	0.5	425	20° 47.461' N	116° 11.407' E	169.9	3.1
SO269_163-9	30.08.2019 05:20	GC	hoisting	248.0	1.0	424	20° 47.459' N	116° 11.406' E	188.1	3.6
SO269_163-9	30.08.2019 05:35	GC	on deck	232.5	0.2	424	20° 47.456' N	116° 11.401' E	183.7	3.5
SO269_163-9	30.08.2019 05:43	GC	station end	32.2	0.3	424	20° 47.456' N	116° 11.402' E	179.0	3.8
SO269_164-1	30.08.2019 06:40	MUC	station start	172.5	0.2	365	20° 50.131' N	116° 10.349' E	156.6	3.9
SO269_164-1	30.08.2019 06:41	MUC	in the water	65.3	0.4	365	20° 50.131' N	116° 10.348' E	166.6	4.6
SO269_164-1	30.08.2019 06:52	MUC	max depth/on ground	88.4	0.7	365	20° 50.133' N	116° 10.348' E	157.0	2.5
SO269_164-1	30.08.2019 06:55	MUC	hoisting	262.4	0.3	365	20° 50.132' N	116° 10.349' E	179.3	2.4

SO269_164-1	30.08.2019 07:09	MUC	on deck	118.5	0.1	365	20° 50.131' N	116° 10.353' E	182.1	2.7
SO269_164-1	30.08.2019 07:10	MUC	station end	69.0	0.7	366	20° 50.131' N	116° 10.353' E	176.6	2.5
SO269_164-2	30.08.2019 07:10	GC	station start	279.1	0.1	365	20° 50.131' N	116° 10.353' E	183.8	2.5
SO269_164-2	30.08.2019 07:23	GC	in the water	253.3	0.5	365	20° 50.133' N	116° 10.344' E	136.1	2.3
SO269_164-2	30.08.2019 07:24	GC	hoisting	259.3	0.5	366	20° 50.133' N	116° 10.345' E	143.0	2.0
SO269_164-2	30.08.2019 07:35	GC	on deck	13.1	0.1	365	20° 50.131' N	116° 10.355' E	170.8	0.7
SO269_164-2	30.08.2019 07:40	GC	station end	120.1	0.6	366	20° 50.134' N	116° 10.352' E	141.6	1.3
SO269_165-1	30.08.2019 08:12	MUC	station start	315.2	0.2	356	20° 50.992' N	116° 10.028' E	268.3	1.3
SO269_165-1	30.08.2019 08:14	MUC	in the water	259.4	0.4	357	20° 50.982' N	116° 10.028' E	170.9	2.6
SO269_165-1	30.08.2019 08:25	MUC	max depth/on ground	332.1	0.2	358	20° 50.952' N	116° 10.030' E	176.5	1.8
SO269_165-1	30.08.2019 08:26	MUC	hoisting	207.0	0.3	358	20° 50.951' N	116° 10.030' E	183.7	2.5
SO269_165-1	30.08.2019 08:39	MUC	on deck	234.8	0.1	358	20° 50.923' N	116° 10.032' E	155.0	2.7
SO269_165-1	30.08.2019 08:44	MUC	station end	127.9	0.3	357	20° 50.923' N	116° 10.031' E	142.8	2.3
SO269_165-2	30.08.2019 08:45	GC	station start	57.9	0.5	357	20° 50.922' N	116° 10.032' E	146.5	2.7
SO269_165-2	30.08.2019 08:49	GC	in the water	248.8	0.2	358	20° 50.917' N	116° 10.028' E	153.6	2.8
SO269_165-2	30.08.2019 09:00	GC	max depth/on ground	140.2	0.3	358	20° 50.923' N	116° 10.035' E	141.9	2.5
SO269_165-2	30.08.2019 09:01	GC	hoisting	272.6	0.7	358	20° 50.923' N	116° 10.036' E	145.7	2.8
SO269_165-2	30.08.2019 09:14	GC	on deck	278.9	0.9	358	20° 50.923' N	116° 10.031' E	126.3	3.2
SO269_165-2	30.08.2019 09:16	GC	station end	104.4	0.6	358	20° 50.922' N	116° 10.031' E	132.5	3.2
SO269_165-3	30.08.2019 09:18	GC	station start	248.0	0.5	359	20° 50.921' N	116° 10.027' E	121.1	3.2
SO269_165-3	30.08.2019 09:21	GC	in the water	63.6	0.1	358	20° 50.922' N	116° 10.031' E	126.2	3.4
SO269_165-3	30.08.2019 09:30	GC	max depth/on ground	36.1	0.5	357	20° 50.918' N	116° 10.028' E	109.6	3.5
SO269_165-3	30.08.2019 09:31	GC	hoisting	104.0	0.2	359	20° 50.920' N	116° 10.030' E	121.7	3.0
SO269_165-3	30.08.2019 09:44	GC	on deck	308.8	0.4	358	20° 50.922' N	116° 10.029' E	77.0	4.7
SO269_165-3	30.08.2019 09:45	GC	station end	26.9	0.2	358	20° 50.921' N	116° 10.029' E	79.1	05.7
SO269_166-1	30.08.2019 10:46	CTD	station start	136.2	1.0	304	20° 59.552' N	116° 06.672' E	102.7	4.6
SO269_166-1	30.08.2019 10:48	CTD	in the water	238.1	0.4	306	20° 59.551' N	116° 06.670' E	90.9	4.1
SO269_166-1	30.08.2019 11:03	CTD	max depth/on ground	167.4	0.2	306	20° 59.556' N	116° 06.653' E	116.1	4.7
SO269_166-1	30.08.2019 11:03	CTD	hoisting	176.3	0.3	305	20° 59.556' N	116° 06.652' E	112.7	4.3
SO269_166-1	30.08.2019 11:18	CTD	on deck	300.8	0.4	305	20° 59.555' N	116° 06.647' E	124.3	5.0

SO269_166-1	30.08.2019 11:19	CTD	station end	310.8	0.2	305	20° 59.556' N	116° 06.648' E	113.3	05.4
SO269_167-1	30.08.2019 12:21	MUC	station start	37.5	0.3	80	21° 06.967' N	116° 03.670' E	120.2	4.6
SO269_167-1	30.08.2019 12:22	MUC	in the water	89.0	0.5	78	21° 06.965' N	116° 03.669' E	117.4	4.6
SO269_167-1	30.08.2019 12:26	MUC	max depth/on ground	285.3	0.6	78	21° 06.970' N	116° 03.670' E	112.7	4.8
SO269_167-1	30.08.2019 12:27	MUC	hoisting	297.0	0.1	78	21° 06.970' N	116° 03.669' E	114.1	4.8
SO269_167-1	30.08.2019 12:32	MUC	on deck	267.9	0.5	79	21° 06.962' N	116° 03.671' E	122.7	4.6
SO269_167-1	30.08.2019 12:32	MUC	station end	339.7	0.5	78	21° 06.964' N	116° 03.671' E	115.0	5.0
SO269_167-2	30.08.2019 12:34	GC	station start	166.9	0.3	78	21° 06.971' N	116° 03.672' E	118.6	4.6
SO269_167-2	30.08.2019 12:41	GC	in the water	99.1	0.5	79	21° 06.972' N	116° 03.674' E	130.7	5.5
SO269_167-2	30.08.2019 12:45	GC	max depth/on ground	310.5	0.3	77	21° 06.972' N	116° 03.672' E	130.5	4.7
SO269_167-2	30.08.2019 12:46	GC	hoisting	189.5	0.1	79	21° 06.973' N	116° 03.673' E	136.4	4.7
SO269_167-2	30.08.2019 12:53	GC	on deck	195.5	0.5	79	21° 06.976' N	116° 03.676' E	142.7	4.8
SO269_167-2	30.08.2019 12:54	GC	station end	226.1	0.4	78	21° 06.973' N	116° 03.675' E	139.7	5.5
SO269_168-1	30.08.2019 13:51	CTD	station start	336.6	0.1	265	21° 11.640' N	116° 01.802' E	131.7	4.4
SO269_168-1	30.08.2019 13:56	CTD	in the water	96.0	0.5	266	21° 11.639' N	116° 01.799' E	137.1	4.4
SO269_168-1	30.08.2019 14:11	CTD	max depth/on ground	322.6	0.4	264	21° 11.638' N	116° 01.805' E	142.9	4.6
SO269_168-1	30.08.2019 14:12	CTD	hoisting	282.8	0.5	264	21° 11.637' N	116° 01.804' E	146.0	5.0
SO269_168-1	30.08.2019 14:28	CTD	on deck	263.3	0.2	265	21° 11.639' N	116° 01.797' E	122.8	3.7
SO269_168-1	30.08.2019 14:28	CTD	station end	285.7	0.1	265	21° 11.639' N	116° 01.797' E	128.4	4.4
SO269_169-1	30.08.2019 16:07	CTD	station start	163.1	0.1	174	21° 23.658' N	115° 56.412' E	127.9	4.8
SO269_169-1	30.08.2019 16:08	CTD	in the water	250.6	0.2	173	21° 23.659' N	115° 56.411' E	134.4	6.0
SO269_169-1	30.08.2019 16:17	CTD	max depth/on ground	78.0	0.2	173	21° 23.661' N	115° 56.404' E	146.6	4.6
SO269_169-1	30.08.2019 16:27	CTD	on deck	352.0	0.4	173	21° 23.657' N	115° 56.400' E	139.4	4.3
SO269_169-1	30.08.2019 16:29	CTD	station end	223.3	0.2	173	21° 23.657' N	115° 56.401' E	145.3	4.4
SO269_169-2	30.08.2019 16:30	CTD	station start	62.2	1.1	173	21° 23.657' N	115° 56.403' E	140.2	3.8
SO269_169-2	30.08.2019 16:53	CTD	in the water	33.1	0.8	173	21° 23.656' N	115° 56.403' E	145.7	4.1
SO269_169-2	30.08.2019 17:00	CTD	max depth/on ground	153.3	0.4	174	21° 23.656' N	115° 56.406' E	140.8	4.8
SO269_169-2	30.08.2019 17:05	CTD	on deck	22.6	0.2	174	21° 23.656' N	115° 56.404' E	140.9	4.5
SO269_169-2	30.08.2019 17:07	CTD	station end	252.1	0.4	173	21° 23.657' N	115° 56.402' E	135.8	5.0
SO269_170-1	30.08.2019 18:57	CTD	station start	237.5	0.2	119	21° 35.761' N	115° 51.592' E	85.7	4.5

SO269_170-1	30.08.2019 19:00	CTD	in the water	347.3	0.1	119	21° 35.764' N	115° 51.586' E	94.9	3.8
SO269_170-1	30.08.2019 19:07	CTD	max depth/on ground	46.7	0.9	121	21° 35.770' N	115° 51.589' E	127.2	3.8
SO269_170-1	30.08.2019 19:17	CTD	on deck	297.4	0.4	118	21° 35.764' N	115° 51.581' E	117.0	4.0
SO269_170-1	30.08.2019 19:20	CTD	station end	115.4	0.8	120	21° 35.760' N	115° 51.586' E	97.8	4.7
SO269_171-1	30.08.2019 21:51	CTD	station start	86.3	0.1	98	21° 47.820' N	115° 46.783' E	134.9	4.4
SO269_171-1	30.08.2019 22:04	CTD	in the water	184.5	0.6	98	21° 47.822' N	115° 46.801' E	175.4	3.9
SO269_171-1	30.08.2019 22:13	CTD	max depth/on ground	240.7	0.5	99	21° 47.819' N	115° 46.798' E	121.9	4.1
SO269_171-1	30.08.2019 22:14	CTD	hoisting	19.6	0.3	99	21° 47.817' N	115° 46.798' E	112.7	3.5
SO269_171-1	30.08.2019 22:21	CTD	on deck	257.5	0.2	99	21° 47.815' N	115° 46.798' E	133.4	3.1
SO269_171-1	30.08.2019 22:24	CTD	station end	355.5	0.4	98	21° 47.820' N	115° 46.796' E	125.0	2.3
SO269_172-1	31.08.2019 00:52	CTD	station start	297.5	0.3	81	21° 59.858' N	115° 42.029' E	88.6	4.0
SO269_172-1	31.08.2019 00:53	CTD	in the water	252.2	0.7	82	21° 59.862' N	115° 42.024' E	91.8	3.6
SO269_172-1	31.08.2019 01:04	CTD	max depth/on ground	188.6	0.2	81	21° 59.879' N	115° 41.999' E	94.7	4.6
SO269_172-1	31.08.2019 01:04	CTD	hoisting	23.5	0.5	81	21° 59.879' N	115° 41.999' E	95.8	4.6
SO269_172-1	31.08.2019 01:11	CTD	on deck	240.8	0.4	81	21° 59.877' N	115° 41.996' E	88.1	4.7
SO269_172-1	31.08.2019 01:11	CTD	station end	208.5	0.1	81	21° 59.877' N	115° 41.996' E	86.8	4.6
SO269_172-2	31.08.2019 01:11	PLA	station start	95.4	0.1	81	21° 59.876' N	115° 41.996' E	86.4	4.8
SO269_172-2	31.08.2019 01:17	PLA	in the water	6.8	0.2	82	21° 59.874' N	115° 41.999' E	94.4	4.4
SO269_172-2	31.08.2019 01:27	PLA	max depth/on ground	17.1	0.1	82	21° 59.878' N	115° 42.004' E	95.8	3.7
SO269_172-2	31.08.2019 01:27	PLA	hoisting	76.8	0.3	82	21° 59.878' N	115° 42.004' E	96.4	4.8
SO269_172-2	31.08.2019 01:39	PLA	on deck	106.3	0.2	82	21° 59.884' N	115° 42.000' E	99.1	2.9
SO269_172-2	31.08.2019 01:39	PLA	station end	287.0	0.4	81	21° 59.884' N	115° 42.000' E	99.0	2.9
SO269_172-3	31.08.2019 01:48	MUC	station start	86.5	0.4	82	21° 59.880' N	115° 41.998' E	83.6	3.9
SO269_172-3	31.08.2019 01:50	MUC	in the water	345.0	0.2	81	21° 59.879' N	115° 41.999' E	80.7	3.7
SO269_172-3	31.08.2019 01:55	MUC	max depth/on ground	267.7	0.1	81	21° 59.878' N	115° 42.000' E	56.7	3.5
SO269_172-3	31.08.2019 01:55	MUC	hoisting	13.4	0.2	82	21° 59.878' N	115° 42.000' E	55.7	3.2
SO269_172-3	31.08.2019 02:00	MUC	on deck	221.1	0.3	81	21° 59.875' N	115° 42.006' E	80.2	3.8
SO269_172-3	31.08.2019 02:03	MUC	station end	269.2	0.3	81	21° 59.876' N	115° 42.006' E	75.4	3.3
SO269_172-4	31.08.2019 02:08	GC	station start	145.1	0.1	82	21° 59.878' N	115° 42.002' E	53.9	4.0
SO269_172-4	31.08.2019 02:10	GC	in the water	164.9	0.0	81	21° 59.882' N	115° 41.999' E	55.0	3.7

SO269_172-4	31.08.2019 02:14	GC	max depth/on ground	62.8	0.3	81	21° 59.879' N	115° 41.996' E	49.6	4.2
SO269_172-4	31.08.2019 02:15	GC	hoisting	31.9	0.3	82	21° 59.879' N	115° 41.996' E	47.5	3.8
SO269_172-4	31.08.2019 02:21	GC	on deck	185.9	0.1	81	21° 59.877' N	115° 41.996' E	40.0	4.0
SO269_172-4	31.08.2019 02:22	GC	station end	116.3	0.2	81	21° 59.877' N	115° 41.996' E	30.7	4.2
SO269_172-5	31.08.2019 02:44	GC	station start	352.1	0.1	81	21° 59.878' N	115° 42.000' E	70.6	3.8
SO269_172-5	31.08.2019 02:46	GC	in the water	44.7	0.3	81	21° 59.878' N	115° 41.999' E	68.0	3.4
SO269_172-5	31.08.2019 02:51	GC	max depth/on ground	270.5	0.2	81	21° 59.874' N	115° 42.003' E	56.0	3.9
SO269_172-5	31.08.2019 02:51	GC	hoisting	36.7	0.8	81	21° 59.873' N	115° 42.002' E	52.5	3.6
SO269_172-5	31.08.2019 02:58	GC	on deck	252.1	0.3	81	21° 59.881' N	115° 41.999' E	66.3	3.7
SO269_172-5	31.08.2019 02:58	GC	station end	312.4	0.2	81	21° 59.881' N	115° 41.999' E	67.9	3.6
SO269_173-1	31.08.2019 03:14	ADCP	profile start	174.8	2.9	82	21° 59.811' N	115° 42.053' E	48.3	5.6
SO269_173-1	31.08.2019 06:50	ADCP	alter course	279.4	7.8	81	21° 49.892' N	115° 13.876' E	58.9	7.5
SO269_173-1	31.08.2019 07:19	ADCP	station end	271.2	7.4	78	21° 50.839' N	115° 09.740' E	66.0	7.7
SO269_174-1	31.08.2019 07:20	ADCP	station start	265.1	7.1	77	21° 50.840' N	115° 09.711' E	66.4	05.7
SO269_174-1	31.08.2019 07:51	ADCP	alter course	232.3	7.1	75	21° 49.475' N	115° 05.513' E	87.9	7.9
SO269_174-1	31.08.2019 08:29	ADCP	alter course	237.9	7.7	76	21° 45.547' N	115° 02.046' E	84.2	7.2
SO269_174-1	31.08.2019 11:11	ADCP	profile end	243.1	7.5	68	21° 38.002' N	114° 40.306' E	82.9	8.9
SO269_175-1	31.08.2019 11:12	ADCP	profile start	244.8	7.8	69	21° 38.000' N	114° 40.302' E	81.3	9.2
SO269_175-1	31.08.2019 15:01	ADCP	profile end	249.3	8.2	56	21° 27.191' N	114° 09.764' E	60.9	5.5
SO269_176-1	31.08.2019 15:02	ADCP	profile start	245.9	8.1	55	21° 27.135' N	114° 09.595' E	84.2	7.3
SO269_176-1	31.08.2019 18:55	ADCP	profile end	254.1	8.0	50	21° 16.253' N	113° 38.547' E	46.5	6.2
SO269_177-1	31.08.2019 18:56	ADCP	profile start	290.8	7.2	50	21° 16.242' N	113° 38.446' E	44.8	7.8
SO269_177-1	31.08.2019 19:14	ADCP	profile end	56.3	2.2	46	21° 18.107' N	113° 37.593' E	35.5	8.1
SO269_178-1	31.08.2019 19:16	CTD	station start	30.8	1.4	46	21° 18.142' N	113° 37.648' E	39.2	8.2
SO269_178-1	31.08.2019 19:20	CTD	in the water	279.8	0.3	46	21° 18.162' N	113° 37.667' E	40.4	7.3
SO269_178-1	31.08.2019 19:26	CTD	max depth/on ground	136.1	0.3	46	21° 18.156' N	113° 37.664' E	32.5	7.0
SO269_178-1	31.08.2019 19:29	CTD	on deck	184.7	0.2	45	21° 18.154' N	113° 37.664' E	40.4	6.3
SO269_178-1	31.08.2019 19:31	CTD	station end	138.6	0.4	46	21° 18.147' N	113° 37.668' E	43.8	6.3
SO269_178-2	31.08.2019 19:32	MUC	station start	160.7	0.7	46	21° 18.144' N	113° 37.670' E	43.6	6.2
SO269_178-2	31.08.2019 19:36	MUC	in the water	201.1	0.2	46	21° 18.139' N	113° 37.673' E	42.6	6.2

SO269_178-2	31.08.2019 19:40	MUC	max depth/on ground	18.1	0.1	46	21° 18.141' N	113° 37.678' E	44.5	4.8
SO269_178-2	31.08.2019 19:41	MUC	hoisting	125.4	0.4	47	21° 18.141' N	113° 37.679' E	35.8	05.4
SO269_178-2	31.08.2019 19:43	MUC	at surface	133.0	0.4	46	21° 18.142' N	113° 37.678' E	42.7	05.7
SO269_178-2	31.08.2019 19:48	MUC	max depth/on ground	38.8	0.0	47	21° 18.144' N	113° 37.675' E	42.2	4.4
SO269_178-2	31.08.2019 19:49	MUC	hoisting	232.4	0.1	45	21° 18.143' N	113° 37.675' E	47.2	4.9
SO269_178-2	31.08.2019 19:54	MUC	on deck	27.9	0.1	46	21° 18.144' N	113° 37.675' E	60.7	4.7
SO269_178-2	31.08.2019 19:57	MUC	station end	7.3	0.2	46	21° 18.143' N	113° 37.673' E	68.1	6.3
SO269_178-3	31.08.2019 19:57	GC	station start	300.2	0.2	46	21° 18.144' N	113° 37.672' E	74.5	5.9
SO269_178-3	31.08.2019 20:03	GC	in the water	153.6	0.2	46	21° 18.142' N	113° 37.670' E	85.5	6.6
SO269_178-3	31.08.2019 20:08	GC	max depth/on ground	147.9	0.3	45	21° 18.138' N	113° 37.674' E	93.5	6.4
SO269_178-3	31.08.2019 20:09	GC	hoisting	321.5	0.2	46	21° 18.138' N	113° 37.674' E	91.9	6.0
SO269_178-3	31.08.2019 20:14	GC	on deck	145.4	0.5	46	21° 18.138' N	113° 37.675' E	83.0	6.3
SO269_178-3	31.08.2019 20:24	GC	station end	305.7	0.3	46	21° 18.136' N	113° 37.677' E	90.9	5.5
SO269_179-1	31.08.2019 20:33	ADCP	profile start	262.2	5.1	47	21° 17.951' N	113° 37.724' E	54.7	2.0
SO269_179-1	01.09.2019 00:41	ADCP	profile end	44.1	0.7	54	21° 05.291' N	113° 06.956' E	32.7	8.1
SO269_180-1	01.09.2019 00:44	PUMP	station start	187.2	0.5	53	21° 05.293' N	113° 06.968' E	49.6	7.7
SO269_180-1	01.09.2019 00:46	PUMP	in the water	248.1	0.1	53	21° 05.293' N	113° 06.975' E	35.1	7.4
SO269_180-1	01.09.2019 00:49	PUMP	information	130.8	0.4	54	21° 05.292' N	113° 06.986' E	28.0	7.0
SO269_180-1	01.09.2019 00:58	PUMP	at surface	186.2	0.2	54	21° 05.284' N	113° 07.016' E	35.3	8.4
SO269_180-1	01.09.2019 01:04	PUMP	information	132.8	0.4	54	21° 05.278' N	113° 07.035' E	27.6	7.2
SO269_180-1	01.09.2019 01:10	PUMP	at surface	73.4	0.6	54	21° 05.270' N	113° 07.058' E	27.6	8.4
SO269_180-1	01.09.2019 02:42	PUMP	information	126.9	0.1	55	21° 05.219' N	113° 07.203' E	64.2	9.7
SO269_180-1	01.09.2019 02:56	PUMP	at surface	157.3	0.6	54	21° 05.214' N	113° 07.201' E	46.1	12.4
SO269_180-1	01.09.2019 03:00	PUMP	information	116.4	0.2	55	21° 05.215' N	113° 07.200' E	45.8	12.0
SO269_180-1	01.09.2019 03:05	PUMP	on deck	289.8	0.5	54	21° 05.224' N	113° 07.196' E	55.3	9.0
SO269_180-1	01.09.2019 03:07	PUMP	station end	269.1	0.2	55	21° 05.227' N	113° 07.196' E	45.9	8.4
SO269_180-2	01.09.2019 03:58	CTD	station start	148.0	0.1	54	21° 05.216' N	113° 07.203' E	33.6	14.1
SO269_180-2	01.09.2019 04:00	CTD	in the water	302.6	0.1	54	21° 05.216' N	113° 07.201' E	36.4	13.1
SO269_180-2	01.09.2019 04:05	CTD	max depth/on ground	277.0	0.1	54	21° 05.217' N	113° 07.196' E	44.3	12.6
SO269_180-2	01.09.2019 04:08	CTD	on deck	329.1	0.2	54	21° 05.226' N	113° 07.195' E	62.8	14.1

SO269_180-2	01.09.2019 04:56	CTD	in the water	292.1	0.2	54	21° 05.216' N	113° 07.202' E	45.4	11.4
SO269_180-2	01.09.2019 05:02	CTD	max depth/on ground	234.4	0.1	54	21° 05.220' N	113° 07.203' E	35.1	8.7
SO269_180-2	01.09.2019 05:07	CTD	on deck	170.9	0.2	54	21° 05.220' N	113° 07.206' E	36.4	10.7
SO269_180-2	01.09.2019 05:56	CTD	in the water	137.0	0.4	53	21° 05.217' N	113° 07.199' E	21.8	14.3
SO269_180-2	01.09.2019 06:02	CTD	max depth/on ground	319.4	0.1	54	21° 05.217' N	113° 07.201' E	26.8	11.9
SO269_180-2	01.09.2019 06:06	CTD	on deck	73.3	0.2	54	21° 05.216' N	113° 07.199' E	33.2	10.6
SO269_180-2	01.09.2019 06:55	CTD	in the water	35.4	0.1	54	21° 05.219' N	113° 07.202' E	33.2	11.9
SO269_180-2	01.09.2019 07:01	CTD	max depth/on ground	288.6	0.3	53	21° 05.221' N	113° 07.203' E	28.7	13.0
SO269_180-2	01.09.2019 07:07	CTD	on deck	81.0	0.2	54	21° 05.216' N	113° 07.200' E	31.1	13.4
SO269_180-2	01.09.2019 07:55	CTD	in the water	312.2	0.3	53	21° 05.228' N	113° 07.206' E	46.8	11.7
SO269_180-2	01.09.2019 08:04	CTD	max depth/on ground	201.4	0.1	52	21° 05.224' N	113° 07.204' E	52.3	9.9
SO269_180-2	01.09.2019 08:08	CTD	on deck	249.3	0.2	53	21° 05.226' N	113° 07.201' E	48.8	10.1
SO269_180-2	01.09.2019 08:55	CTD	in the water	316.8	0.4	53	21° 05.228' N	113° 07.203' E	56.8	11.7
SO269_180-2	01.09.2019 09:01	CTD	max depth/on ground	110.8	0.3	53	21° 05.225' N	113° 07.201' E	55.6	14.4
SO269_180-2	01.09.2019 09:08	CTD	on deck	88.8	0.1	53	21° 05.223' N	113° 07.203' E	57.0	13.1
SO269_180-2	01.09.2019 09:55	CTD	in the water	76.7	0.3	52	21° 05.225' N	113° 07.202' E	44.7	11.5
SO269_180-2	01.09.2019 10:02	CTD	max depth/on ground	54.8	0.2	53	21° 05.226' N	113° 07.208' E	37.2	14.4
SO269_180-2	01.09.2019 10:06	CTD	on deck	157.3	0.4	52	21° 05.221' N	113° 07.210' E	32.4	13.1
SO269_180-2	01.09.2019 10:55	CTD	in the water	51.8	0.4	52	21° 05.224' N	113° 07.199' E	32.5	15.0
SO269_180-2	01.09.2019 11:02	CTD	max depth/on ground	310.1	0.5	54	21° 05.219' N	113° 07.212' E	33.5	14.4
SO269_180-2	01.09.2019 11:08	CTD	on deck	63.0	1.0	54	21° 05.221' N	113° 07.202' E	44.0	14.9
SO269_180-2	01.09.2019 11:55	CTD	in the water	137.6	0.1	54	21° 05.217' N	113° 07.200' E	39.0	15.0
SO269_180-2	01.09.2019 12:02	CTD	max depth/on ground	268.5	0.8	53	21° 05.228' N	113° 07.201' E	29.9	6.5
SO269_180-2	01.09.2019 12:02	CTD	hoisting	301.9	0.3	54	21° 05.228' N	113° 07.200' E	38.4	6.0
SO269_180-2	01.09.2019 12:06	CTD	on deck	184.7	0.5	53	21° 05.222' N	113° 07.206' E	64.4	8.7
SO269_180-2	01.09.2019 12:58	CTD	in the water	166.8	0.2	53	21° 05.221' N	113° 07.197' E	61.5	16.2
SO269_180-2	01.09.2019 13:03	CTD	max depth/on ground	10.1	0.6	55	21° 05.226' N	113° 07.195' E	60.9	15.0
SO269_180-2	01.09.2019 13:03	CTD	hoisting	331.3	0.6	53	21° 05.227' N	113° 07.196' E	63.9	13.1
SO269_180-2	01.09.2019 13:12	CTD	on deck	294.6	0.5	54	21° 05.219' N	113° 07.202' E	58.9	14.7
SO269_180-2	01.09.2019 14:00	CTD	in the water	305.5	0.1	56	21° 05.214' N	113° 07.203' E	66.8	17.1

SO269_180-2	01.09.2019 14:05	CTD	max depth/on ground	187.5	0.2	53	21° 05.225' N	113° 07.204' E	64.8	15.4
SO269_180-2	01.09.2019 14:05	CTD	hoisting	338.1	0.2	54	21° 05.225' N	113° 07.203' E	70.4	17.9
SO269_180-2	01.09.2019 14:09	CTD	on deck	310.2	0.9	54	21° 05.229' N	113° 07.198' E	66.5	12.7
SO269_180-2	01.09.2019 22:57	CTD	in the water	355.9	0.5	986	21° 05.219' N	113° 07.184' E	86.1	14.7
SO269_180-2	01.09.2019 23:06	CTD	max depth/on ground	118.4	0.2	858	21° 05.221' N	113° 07.194' E	88.6	17.1
SO269_180-2	01.09.2019 23:12	CTD	on deck	63.6	0.4	1470	21° 05.221' N	113° 07.199' E	87.1	14.1
SO269_180-2	01.09.2019 23:56	CTD	in the water	200.7	0.4	1702	21° 05.220' N	113° 07.196' E	84.8	12.4
SO269_180-2	02.09.2019 00:02	CTD	max depth/on ground	296.0	0.4	1707	21° 05.223' N	113° 07.194' E	84.6	13.4
SO269_180-2	02.09.2019 00:02	CTD	hoisting	23.4	0.2	1689	21° 05.224' N	113° 07.194' E	86.3	13.0
SO269_180-2	02.09.2019 00:08	CTD	on deck	220.9	0.0	55	21° 05.221' N	113° 07.202' E	80.3	13.9
SO269_180-2	02.09.2019 00:59	CTD	in the water	132.4	0.6	55	21° 05.222' N	113° 07.201' E	86.8	15.1
SO269_180-2	02.09.2019 01:05	CTD	max depth/on ground	116.4	0.7	55	21° 05.217' N	113° 07.200' E	89.7	14.5
SO269_180-2	02.09.2019 01:07	CTD	hoisting	195.4	0.9	55	21° 05.218' N	113° 07.198' E	89.6	15.8
SO269_180-2	02.09.2019 01:14	CTD	on deck	171.7	0.2	54	21° 05.231' N	113° 07.202' E	83.8	14.7
SO269_180-2	02.09.2019 01:53	CTD	in the water	7.6	0.4	1723	21° 05.218' N	113° 07.208' E	78.5	13.5
SO269_180-2	02.09.2019 02:01	CTD	max depth/on ground	97.1	0.4	53	21° 05.216' N	113° 07.198' E	71.2	13.1
SO269_180-2	02.09.2019 02:01	CTD	hoisting	122.6	0.3	881	21° 05.216' N	113° 07.198' E	71.9	15.3
SO269_180-2	02.09.2019 02:05	CTD	on deck	286.9	0.3	53	21° 05.215' N	113° 07.199' E	79.2	16.0
SO269_180-2	02.09.2019 02:56	CTD	in the water	300.2	0.9	52	21° 05.222' N	113° 07.206' E	71.0	13.8
SO269_180-2	02.09.2019 03:02	CTD	max depth/on ground	166.7	0.4	1658	21° 05.223' N	113° 07.203' E	73.9	14.9
SO269_180-2	02.09.2019 03:03	CTD	hoisting	234.9	0.1	1520	21° 05.221' N	113° 07.202' E	77.2	16.4
SO269_180-2	02.09.2019 03:11	CTD	on deck	104.0	0.1	1895	21° 05.219' N	113° 07.201' E	74.9	14.6
SO269_180-2	02.09.2019 04:40	CTD	in the water	42.7	0.2	2115	21° 05.217' N	113° 07.206' E	98.7	9.5
SO269_180-2	02.09.2019 04:46	CTD	max depth/on ground	54.8	0.2	1908	21° 05.222' N	113° 07.201' E	104.9	10.6
SO269_180-2	02.09.2019 04:46	CTD	hoisting	96.4	0.3	1805	21° 05.223' N	113° 07.202' E	110.8	9.2
SO269_180-2	02.09.2019 04:52	CTD	on deck	194.1	0.3	1572	21° 05.221' N	113° 07.197' E	100.6	12.1
SO269_180-2	02.09.2019 05:02	CTD	in the water	161.7	0.3	56	21° 05.216' N	113° 07.198' E	99.4	11.4
SO269_180-2	02.09.2019 05:08	CTD	max depth/on ground	250.2	0.9	1547	21° 05.219' N	113° 07.199' E	91.7	13.0
SO269_180-2	02.09.2019 05:08	CTD	hoisting	2.6	0.3	1547	21° 05.219' N	113° 07.198' E	94.3	14.5
SO269_180-2	02.09.2019 05:12	CTD	on deck	71.5	0.2	1618	21° 05.221' N	113° 07.195' E	85.4	11.3

SO269_180-2	02.09.2019 05:14	CTD	station end	157.0	0.2	2009	21° 05.218' N	113° 07.198' E	84.5	14.0
SO269_181-1	02.09.2019 05:26	ADCP	station start	338.9	8.8	54	21° 05.798' N	113° 07.727' E	91.0	13.9
SO269_181-1	02.09.2019 08:20	ADCP	profile end	334.9	5.6	34	21° 26.899' N	112° 59.126' E	87.8	10.2
SO269_182-1	02.09.2019 08:27	CTD	station start	10.2	0.2	34	21° 27.248' N	112° 59.130' E	71.2	10.3
SO269_182-1	02.09.2019 08:29	CTD	in the water	41.7	0.9	35	21° 27.252' N	112° 59.130' E	78.6	10.8
SO269_182-1	02.09.2019 08:34	CTD	max depth/on ground	294.2	0.4	1148	21° 27.244' N	112° 59.128' E	70.0	9.3
SO269_182-1	02.09.2019 08:38	CTD	on deck	308.0	0.5	1005	21° 27.248' N	112° 59.131' E	69.6	9.2
SO269_182-1	02.09.2019 08:41	CTD	station end	269.2	0.4	33	21° 27.251' N	112° 59.131' E	70.9	9.3
SO269_183-1	02.09.2019 09:35	ADCP	profile start	63.2	3.8	34	21° 27.358' N	112° 59.291' E	54.1	9.0
SO269_183-1	02.09.2019 20:23	ADCP	alter course	14.4	6.4	26	22° 00.226' N	114° 02.409' E	64.3	10.7
SO269_183-1	02.09.2019 21:37	ADCP	alter course	57.0	5.9	19	22° 07.202' N	114° 05.495' E	54.2	9.1
SO269_183-1	02.09.2019 22:00	ADCP	profile end	96.1	6.4	20	22° 07.276' N	114° 07.992' E	48.2	14.2