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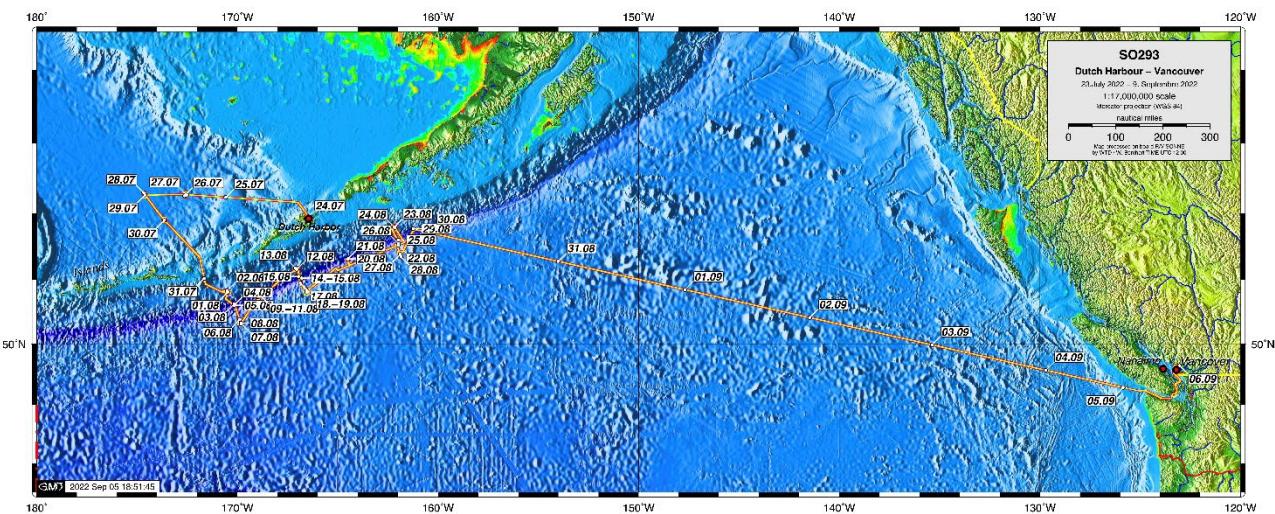
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Short Cruise Report SONNE SO293

Dutch Harbor (USA) – Vancouver (Canada)
24.07.2022 – 06.09.2022

Chief Scientist: Angelika Brandt
Captain: Oliver Meyer



Objectives

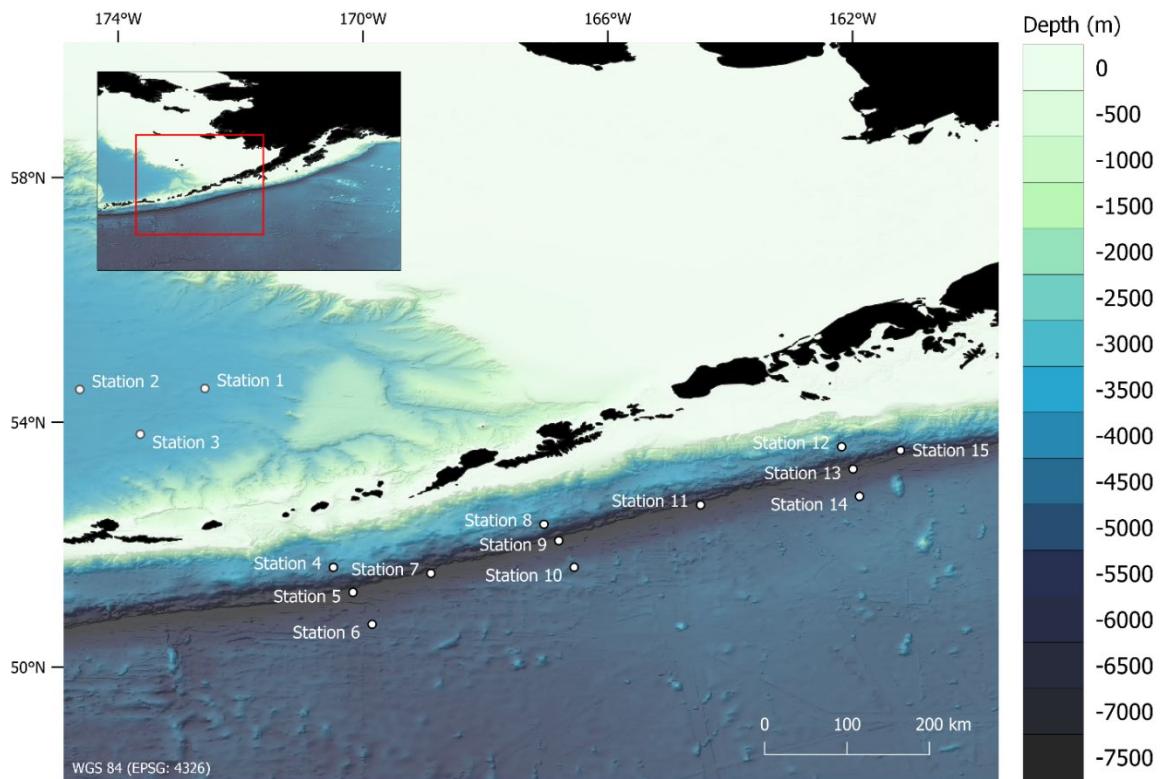
The AleutBio expedition aims to shed light on the distribution of marine organisms and contribute to the understanding of changes in biodiversity and its distribution in the North Pacific, the gateway to the Arctic. The Aleutian Trench in particular is an under-sampled region. Thus, in addition to biogeochemical studies, the goal of the AleutBio Expedition SO293 is to analyze seafloor organisms of all sizes (protists, meio-, macro- and megafauna) in the eastern Bering Sea as well as in the Abyssal and hadal areas of the eastern Aleutian Trench. We plan to describe biodiversity, highlight biogeographic relationships, and examine species connectivity with those from the Arctic Ocean and Kuril-Kamchatka Trench in times of rapid climate change. Bathymetric mapping was used to explore the bottom topography to define the most appropriate location for instrument deployment.

We have worked in the Bering Sea at bathyal depths and in the East Aleutian Trench at abyssal and hadal depths. This approach will allow both a comparison of species connectivity and biogeography between samples previously collected in the Kuril-Kamchatka Trench and the new samples in the East Aleutian Trench and, using stations in the Bering Sea, an estimate of migrations in and out of the Bering Sea to the Arctic. During the AleutBio expedition material processing and evaluation, we will test the following hypotheses:

Hypothesis 1: The hadal of the eastern Aleutian Trench is characterized by a similarly high number of species as the Kuril-Kamchatka Trench.

Hypothesis 2: The hadal depths of the eastern Aleutian Trench and eastern KKT isolate sediment-dwelling and brood-maintaining benthic species from the Bering Sea, but not species with larval development that can be readily drifted via ocean currents.

Hypothesis 3: The Strait of Kamchatka acts as a filter for migration of species from the eastern Aleutian Trench into the Bering Sea, while serving as a corridor for species from the Arctic Ocean and Bering Sea into the KKT and the AT and open Northwest Pacific.



Made with Natural Earth and GEBCO Compilation Group (2020) GEBCO 2020 Grid (doi:10.5285/a29c5465-b138-234d-e053-6c86abc040b9).

Fig. 2: The station areas 1-15 of the AleutBio expedition in the Bering Sea and the Aleutian Trench area in the EEZ of the US (Map: Anne-Cathrin Wölfel & Kevin Kess).

Table: Station areas positions (depth indicated for the box corer position at ground, except for the station area three where the OFOS position at ground was used.

Station	Gear	Latitude	Longitude	Depth (m)
SO293_1-6	BC	54° 33,214' N	172° 34,961' W	3.511.290
SO293_2-7	BC	54° 32,216' N	174° 37,631' W	3.654.320
SO293_3-1	OFOS	53° 48,317' N	173° 38,257' W	3588.200
SO293_4-6	BC	51° 40,336' N	170° 28,711' W	4.641.920
SO293_5-5	BC	51° 13,320' N	170° 09,840' W	7.237.840
SO293_6-5	BC	50° 37,933' N	169° 48,070' W	5.317.050
SO293_7-4	BC	51° 31,893' N	168° 53,420' W	7.212.150
SO293_8-5	BC	52° 21,964' N	167° 05,251' W	4.609.320
SO293_9-4	BC	52° 03,920' N	166° 48,034' W	7.139.230
SO293_10-6	BC	51° 40,563' N	166° 33,012' W	5.097.740
SO293_11-3	BC	52° 38,997' N	164° 29,008' W	7.287.720
SO293_12-6	BC	53° 36,016' N	162° 10,665' W	4305.400
SO293_13-4	BC	53° 14,162' N	161° 59,484' W	6886.820
SO293_14-6	BC	52° 42,813' N	161° 50,480' W	4872.490
SO293_15-3	BC	53° 32,675' N	161° 12,857' W	6267.890

Narrative

To place our current expedition into scientific context: AleutBio is already the fifth expedition to the North Pacific. While the previous four expeditions were conducted as a German-Russian collaborative enterprise in the Northwest Pacific, due to the political situation in Russia, the AleutBio expedition became more diversely international and had been performed in the Northeast Pacific within US territorial waters.

In previous, related work, the fauna of the Sea of Japan (East Sea) was investigated during the Russian-German SoJaBio (Sea of Japan Biodiversity study) campaign in summer 2010 on board the Russian vessel *Akademik M.A. Lavrentjev*. In 2012 the Northwest Pacific Abyssal Plain was investigated in the Kuril-Kamchatka region sailing on board the previous RV Sonne in order to compare the open ocean with the semi-enclosed marginal sea. During this first KuramBio campaign, depths between 4700–5700 m were studied. The follow-up project SokhoBio (Sea of Okhotsk Biodiversity study) took place in summer 2015, again with RV *Akademik M.A. Lavrentjev*. This marginal sea is characterized by a depth similar to that of the Sea of Japan (ca. 3500–3700 m); however, it has stronger exchange with the open Pacific through rather deep sills such as the Krusenstern Strait (1920 m) and Bussol Strait (ca. 2500 m). The Sea of Okhotsk is not only isolated from the open Pacific by the Kuril Islands but from the perspective of the benthos the Kuril-Kamchatka Trench (KKT) may represent another obstacle that may hinder migration and dispersal. It is up to 9500 m deep. One of the major research questions in the KuramBio II project was therefore whether the KKT has an isolating effect on the distribution of abyssal organisms inhabiting either the Sea of Okhotsk and Kuril Islands side or the Pacific side of the trench. We tested this hypothesis on various taxonomic groups and size classes of organisms that cover various modes of reproduction and dispersal, from taxa with brood care to those with free-swimming larvae. To study the depth limits of their distribution, we collected samples at various depths, allowing us to draw conclusions about the biogeography of the whole region. We could document interesting biogeographic pattern during all of these expeditions. The KKT served as a biogeographic barrier for some selected animals groups, while it did not isolate other taxa.

In our previous study, as well as during AleutBio, we have considered environmental aspects, such as sedimentological parameters, and investigated morphological as well as genetic data of all size classes of eukaryotes and metazoans from the Aleutian and Kuril Kamchatka trenches and neighbouring abyssal and bathyal areas. Furthermore, the biodiversity results based on our modern sampling techniques are going to be compared to the biodiversity described by previous studies the region extensively throughout the 20th century. Additionally, we hope to be able to differentiate between morphologically cryptic species using DNA based species delimitation methods. We are also focusing on the mechanisms that contribute to the generation of this diversity.

Drivers limiting gene flow and thus leading to divergence and eventually speciation are poorly understood, in the case of deep-sea fauna, as well as the most important selection factors. Similarly, the most important selection factors are not well studied. The pioneering character of our AleutBio expedition to little known abyssal and hadal trench system of the Northeast Pacific makes studying diversity in these great depths so fascinating and with every sample we gain new insights and understanding about the organisms of the deep-sea floor.

Thirty-eight scientists from twelve nationalities (Denmark, France, Germany, Italy, Japan, Mexico, Norway, Poland, Spain, Switzerland, United Kingdom, USA) embarked the research vessel SONNE for the deep-sea expedition AleutBio (SO293) in Dutch Harbor (Unalaska, USA) on July 23rd. In the afternoon, after a tour of FS SONNE and allocating laboratory space, the science party started to unpack the containers and the equipment was distributed to the respective laboratories and rooms;

on the morning of July 24, the research equipment was assembled and lashed for departure, and the laboratories were set up and the deployments of the equipment for the AleutBio expedition were discussed in the hangar with the whole party including the captain. In the evening of the 24th, after unpacking our cargo as well as assembling gears and starting to setting up the labs, we sailed at 20.00 pm.

We reached our first station area 1 in the abyssal Bering Sea in the evening of the 25th July at 17.00. The first station was located at 54°25,909'N 169°11,143 W at 3667 m water depth.

The bathyal stations were the “shallowest” ones during the AleutBio expedition. This helped us to optimise the work flow on board including the time-consuming sample sorting, besides establishing routine in the deployment of the gears before operating them in over 7000 m depth in the hadal trench stations. Station work at all stations comprised the deployment of the CTD for the sound velocity correction of the multibeam echo sounder data (EM 122), as well as for the water column characterization, we mapped a 5 x 5 nautical mile working area in order to obtain high-resolution bathymetric data and to be able to determine the exact positions for the deployments of the collecting systems as well as the towed equipment. The seafloor surveys were then followed by the deployment of equipment in the water column (multinet) and on the seafloor (box core, multicorer, epibenthic sled, and Agassiz trawl) to sample meio-, macro- and megafauna. The epibenthic sledge in particular collected very nicely preserved organisms of the intermediate size class, the macrofauna, such as peracardid crustaceans, which were also very abundant in the four catches at our first two stations. The seafloor was visually analysed with the OFOS (Ocean Floor Observing System) for faunal composition and density of megafauna. Unfortunately, the camera attached to the EBS failed to work throughout the expedition. We were therefore very glad to be able to deploy the ships’ ocean Floor observing system (OFOS) at all stations above 6000 m successfully.

We deployed two lander systems, both were lost. The first lander was deployed in station area 2, on the 30st July after we had to abandon the deep-sea lander system which we deployed in order to receive in situ biogeochemical data from the seafloor of the Bering Sea, however, it was not possible to retrieve any signals from the device. Unfortunately, we lost a second, hadal lander system at stations area five in the central Aleutian trench. It was obviously stuck in the sediment, as it continued to provide signals for more than 44 hours. We had to abandon in on 06th August, as the device did not leave the bottom of the Aleutian trench.

We finished our last station work in station area 15 with the deployment of a MUC at 11.00 on 30th August and steamed to Vancouver where we arrived on 6th September at 8.00 in the morning.

Summary of work on board

During the expedition SO293, AleutBio, we travelled 44 days, 2 hours and 34 minutes on board of RV Sonne over a distance of 3631 nautical miles. We have sampled 15 station areas and 952 stations with a standardized deployment of our gear. We have deployed 108.000 m of single-conductor cable and 643.000 m of deep-sea wire during the course of the last six weeks. Our Access database has recorded 1765 numbers for sample kautex jars as well as 4972 inventory numbers for sorted samples. We bring very extensive animal material and PCR products back home. Moreover, we have informed the public about our work by means of 40 daily blogs in two languages (German and English) published via the Senckenberg Museum’s blog farm (<https://aleutbio.sgn.one/de/>).



Fig. 3: The scientific party of the SO293 (AleutBio) expedition. (Poster: Thomas Walter)



Fig. 4: Group Photo of the SO293 (AleutBio) expedition. (Foto: Thomas Walter)

Acknowledgements

Many thanks to Oliver Meyer and his friendly and professional team from the bridge to the engine deck, behind the technology and in the kitchen, on deck and in the mess room. Thank you all for your excellent help, professional work, and your kindness - it was as always a pleasure to work with you. The cruise was financed through BMBF grant 03G0293A. We are also grateful to the German Ministry of Education and Research for providing FS SONNE for this expedition and the shipping company Briese for logistics. The German Research Fleet Coordination Centre is equally thanked for all their help and support.

List of participants

Scientists of the SO 293-Expedition AleutBio		
Name	Research area	Institution
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Di Franco, Davide, Dr.	Marine Biology, EBS	FS
Escoba, Elva, Prof. Dr.	Marine Biology, MUC, BC	UNAM
Gerken, Sarah, Dr.	Marine Biology, EBS	University of Alaska
Gluchowska, Kamila	Marine Biology, EBS	PBO
Glud, Ronnie, Prof. Dr.	Mar.Biol., Biogeochemistry, MUC, Lander	HCD
Gollmer Hidalgo, Pablo	Cameraman	ZDF
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Hoffmann, Sven	Technician, BC, AGT	DZMB HH
Iwan, Franziska	Technician, MN, CTD	DZMB WHV
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Jeskulke, Karen	Technician, EBS, data base	DZMB HH
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Schwabe, Enrico	Marine Biology, AGT	ZSM
Sigwart, Julia, Prof. Dr.	Marine Biology, AGT, OFOS	FS
Stoffers, Tjardo	Marine Biology, CTD, Mn	DZMB HH
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Theising, Franziska	Marine Biology, CTD	Geomar
Walter, Thomas	E & O	privat
Wenzhöfer, Frank, Prof. Dr.	Biogeochemistry, Lander, MUC	AWI
Wessels, Ann-Kathrin	Marine Biology CTD, MN	DZMB HH
Wölfl, Anne-Cathrin	Bathymetry, EM122	GEOMAR

AWI – Alfred -Wegener-Institut für Polar und Meeresforschung

DZMB HH – Deutsches Zentrum für Biodiversitätsforschung in HH

DZMB WHV – Deutsches Zentrum für Biodiversitätsforschung in WHV

FS – Forschungsinstitut und Naturmuseum Senckenberg Frankfurt

GEOMAR – Helmholtz Zentrum für Ozeanforschung Kiel

HCD – Hadal Centre Denmark

Institut de Ciències del Mar – CMIMA, CSIC

Jamstec –Japan Agency for Marine Earth Science and Technology

ULB/UBFC – Université Libre de Bruxelles, Laboratoire de Biologie Marine

PBO – University of Lodz, Department of Polar Biology and Oceanobiology, Poland

UNAM – Universidad Nacional Autónoma de México, México

University Museum of Bergen – Bergen, Norway

University of North Carolina at Wilmington, USA

University of Ryukyus – Okinawa, Japan

ZSM – Zoologische Staatssammlung München

Abkürzungen / Abbreviation		Eingesetzte Geräte / Equipment used		Einsätze / tasks		Reise / Voyage	SO 293
z.W.	zu Wasser / into water		CTD	13		von / from	Dutch Harbor
a.D.	an Deck / on deck		EM122-Profile	9		nach / to	Vancouver
Slmax	(maximale) Seillänge / max. rope-length		Multischließnetz	14		Abfahrt / Departure	24.07.2022
LT	Lottiefe nach EM 122 / Depth of EM 122		Epibenthoschlitten	27		Ankunft / Arrival	06.09.2022
W ...	eingesetzte Winde / Winch used		Kastengreifer	17			
nm	Seemeilen / nautical miles		Multicorer	32			
EM/P/S	SIMRAD Multibeam / Parasound		Agassiz-Trawl	13			
rwk / COG:	Rechtweisender Kurs / true course		OFOS	9			
d:	Distanz / distance		Lander	2	deployed / recovery failed		
v:	Geschwindigkeit in Knoten / SOG in knots						
SL:	Seillänge / rope-length						
SZ:	Seilzug / rope tension						

Underwaygeräte EM122 / 710
 Parasound
 Thermosalinograph

Geräteverluste / lost Equipment: 2 Lander

Σ 136

Device Operation	Device Operation Comment	Device Operation Closed false/true	Device Operation Label	Device Shortname	Device Comment	Underway	Event Time	Event Comment	Action	Latitude	Longitude	Depth (m)	Speed (kn)	Wind Dir	Wind Speed (m/s)	Course
SO293_0_Underway-1	t	EM122	EM122	Deep water multibeam		2022/07/25 17:13:00			station start	54° 25,090' N	169° 11,143' W	2038.900	9.8	255.2	9.3	274.8
SO293_0_Underway-1	t	EM122	EM122	Deep water multibeam		2022/08/31 14:55:34			station end	52° 51,081' N	156° 03,529' W	4482.360	9.5	228.1	12.6	102.5
SO293_0_Underway-2	t	UWS	UWS	Continuous or f		2022/07/25 18:20:00			station start	54° 25,850' N	169° 30,220' W	2588.780	10.1	270.7	10.2	273.8
SO293_0_Underway-2	t	UWS	UWS	Continuous or f		2022/08/31 14:55:04			station end	52° 51,097' N	156° 03,657' W	4732.180	9.4	232.8	11.4	102.2
SO293_1-1	t	CTD	CTD			2022/07/26 05:22:47	clean ship		station start	54° 33,192' N	172° 34,904' W	0.000	0.9	214.5	5.8	256.6
SO293_1-1	t	CTD	CTD			2022/07/26 05:26:10			in the water	54° 33,193' N	172° 34,931' W	3510.660	0.2	214.0	5.4	119.3
SO293_1-1	t	CTD	CTD			2022/07/26 06:35:06	SLmax = 3512m		max depth/on ground	54° 33,195' N	172° 34,938' W	3511.440	0.1	199.9	5.6	78.0
SO293_1-1	t	CTD	CTD			2022/07/26 08:25:47			on deck	54° 33,190' N	172° 34,937' W	3512.650	0.1	210.4	2.4	201.3
SO293_1-1	t	CTD	CTD			2022/07/26 08:32:41			station end	54° 33,189' N	172° 34,937' W	0.000	0.0	217.6	2.9	250.2
SO293_1-2	t	EM122	EM122	Deep water multibeam		2022/07/26 09:19:22			station start	54° 28,743' N	172° 29,697' W	3498.530	8.4	231.2	3.4	268.8
SO293_1-2	t	EM122	EM122	Deep water multibeam		2022/07/26 09:23:11	rwk= 270°, v= 8,0kn		profile start	54° 28,723' N	172° 30,541' W	3498.650	7.6	220.3	3.8	268.6
SO293_1-2	t	EM122	EM122	Deep water multibeam		2022/07/26 09:58:57	rwk= 090°, v= 7,5kn		alter course	54° 28,764' N	172° 38,681' W	3525.170	7.8	207.2	2.9	298.0
SO293_1-2	t	EM122	EM122	Deep water multibeam		2022/07/26 10:52:09	rwk= 270°, v= 7,5kn		alter course	54° 30,968' N	172° 31,342' W	3506.680	7.4	183.1	4.2	85.1
SO293_1-2	t	EM122	EM122	Deep water multibeam		2022/07/26 11:47:38	rwk= 090°, v= 7,5kn		alter course	54° 33,237' N	172° 38,564' W	3525.250	7.4	208.9	3.5	288.3
SO293_1-2	t	EM122	EM122	Deep water multibeam		2022/07/26 12:40:30	rwk: 270°, d: 8sm		alter course	54° 35,480' N	172° 31,416' W	3510.270	7.4	149.0	2.5	87.1
SO293_1-2	t	EM122	EM122	Deep water multibeam		2022/07/26 13:41:25			station end	54° 37,747' N	172° 39,355' W	3536.180	8.6	200.1	4.2	267.0
SO293_1-3	t	MSN	MSN	Multinet with fine, f		2022/07/26 14:26:24			station start	54° 33,269' N	172° 34,942' W	3512.450	0.1	195.2	3.5	320.8
SO293_1-3	t	MSN	MSN	Multinet with fine, f		2022/07/26 14:40:56			in the water	54° 33,210' N	172° 34,950' W	3514.150	0.1	190.1	3.1	354.8
SO293_1-3	t	MSN	MSN	Multinet with fine, f		2022/07/26 15:30:36	Defekt aufgetreten		on deck	54° 33,214' N	172° 34,949' W	3515.800	0.1	192.6	2.7	318.4
SO293_1-3	t	MSN	MSN	Multinet with fine, f		2022/07/26 15:36:12	Geräteeinsatz abgebrochen		station end	54° 33,217' N	172° 34,950' W	3515.340	0.1	182.3	3.9	101.7
SO293_1-4	t	EBS	EBS			2022/07/26 16:27:24			station start	54° 32,032' N	172° 32,840' W	3508.040	0.2	180.9	3.3	34.7
SO293_1-4	t	EBS	EBS			2022/07/26 16:47:03			in the water	54° 32,012' N	172° 32,996' W	3507.090	1.0	181.1	2.8	258.0
SO293_1-4	t	EBS	EBS			2022/07/26 16:47:04	Schiff rwk = 255°, v = 1,0kn üG		lowering	54° 32,012' N	172° 32,996' W	3507.090	0.9	183.1	3.0	257.9
SO293_1-4	t	EBS	EBS			2022/07/26 18:43:56	BoKo SL = 3706m, Beginn Draht auslegen rwk		max depth/on ground	54° 31,513' N	172° 36,226' W	3517.810	1.1	161.2	1.5	268.8
SO293_1-4	t	EBS	EBS			2022/07/26 19:33:12	SLmax = 5250m		information	54° 31,278' N	172° 37,717' W	3530.200	1.2	171.9	4.2	253.0

SO293_1-4		t	EBS	EBS			2022/07/26 19:44:30	SZmax = 55,70kN	hoisting	54° 31,231' N	172° 38,041' W	3522.620	0.1	151.5	4.7	229.3
SO293_1-4		t	EBS	EBS			2022/07/26 22:08:50		on deck	54° 31,293' N	172° 38,046' W	3524.150	0.1	130.5	3.5	0.0
SO293_1-4		t	EBS	EBS			2022/07/26 22:38:19		station end	54° 31,289' N	172° 38,049' W	3521.620	0.3	141.1	5.0	0.8
SO293_1-5		t	MSN	MSN	Multinet with fine,	f	2022/07/26 23:10:45		station start	54° 33,208' N	172° 34,960' W	3509.680	0.2	126.9	4.9	354.9
SO293_1-5		t	MSN	MSN	Multinet with fine,	f	2022/07/26 23:16:07		in the water	54° 33,212' N	172° 34,963' W	3514.730	0.0	138.3	5.2	68.1
SO293_1-5		t	MSN	MSN	Multinet with fine,	f	2022/07/27 00:03:08	auf Tiefe, maxSL: 1800m	max depth/on ground	54° 33,208' N	172° 34,951' W	3513.110	0.0	143.1	5.1	299.5
SO293_1-5		t	MSN	MSN	Multinet with fine,	f	2022/07/27 00:56:12		on deck	54° 33,210' N	172° 34,959' W	3514.380	0.1	132.2	6.2	61.8
SO293_1-5		t	MSN	MSN	Multinet with fine,	f	2022/07/27 01:00:14		station end	54° 33,213' N	172° 34,959' W	3514.250	0.0	121.4	5.7	106.5
SO293_1-6		t	BC	BC			2022/07/27 01:10:02		station start	54° 33,212' N	172° 34,965' W	3515.430	0.0	120.3	6.1	310.9
SO293_1-6		t	BC	BC			2022/07/27 01:12:47		in the water	54° 33,214' N	172° 34,966' W	3514.910	0.0	119.0	6.2	16.8
SO293_1-6		t	BC	BC			2022/07/27 02:24:44	Boko, maxSL: 3536m	max depth/on ground	54° 33,214' N	172° 34,961' W	3511.290	0.1	109.4	5.8	192.9
SO293_1-6		t	BC	BC			2022/07/27 02:25:54	Beg. hieven, maxSZ: 51,4kN	hoisting	54° 33,214' N	172° 34,961' W	3510.640	0.1	113.4	6.2	221.6
SO293_1-6		t	BC	BC			2022/07/27 03:38:21		on deck	54° 33,211' N	172° 34,952' W	3512.970	0.0	94.3	5.1	326.4
SO293_1-6		t	BC	BC			2022/07/27 03:39:19		station end	54° 33,211' N	172° 34,951' W	3509.340	0.0	95.0	5.5	89.9
SO293_1-7		t	MUC	MUC			2022/07/27 03:51:52		station start	54° 33,211' N	172° 34,955' W	3512.380	0.3	93.6	5.5	357.0
SO293_1-7		t	MUC	MUC			2022/07/27 04:05:42		in the water	54° 33,216' N	172° 34,956' W	3511.920	0.0	89.6	6.0	124.3
SO293_1-7		t	MUC	MUC			2022/07/27 05:13:56	SLmax = 3543m, SZmax = 58kN	max depth/on ground	54° 33,213' N	172° 34,949' W	3510.660	0.0	98.1	5.4	169.5
SO293_1-7		t	MUC	MUC			2022/07/27 06:24:25		on deck	54° 33,210' N	172° 34,958' W	3510.910	0.1	86.7	8.3	213.9
SO293_1-7		t	MUC	MUC			2022/07/27 06:48:17		station end	54° 33,214' N	172° 34,949' W	3512.560	0.1	93.3	5.6	132.6
SO293_1-8		t	MUC	MUC			2022/07/27 06:51:01		station start	54° 33,212' N	172° 34,948' W	3512.390	0.1	93.1	6.1	173.6
SO293_1-8		t	MUC	MUC			2022/07/27 06:52:30		in the water	54° 33,211' N	172° 34,949' W	3510.420	0.0	96.5	5.0	116.2
SO293_1-8		t	MUC	MUC			2022/07/27 08:02:13	SLmax = 3545m, SZmax = 57,2kN	max depth/on ground	54° 33,221' N	172° 34,951' W	3509.840	0.0	113.0	7.5	91.0
SO293_1-8		t	MUC	MUC			2022/07/27 09:14:04		on deck	54° 33,214' N	172° 34,955' W	3510.550	0.1	103.8	7.9	169.9
SO293_1-8		t	MUC	MUC			2022/07/27 09:16:54		station end	54° 33,214' N	172° 34,955' W	3510.460	0.0	103.6	6.8	316.6
SO293_1-9		t	AGT	AGT			2022/07/27 10:11:44		station start	54° 31,669' N	172° 37,052' W	3519.610	0.1	107.2	7.5	319.1
SO293_1-9		t	AGT	AGT			2022/07/27 10:27:26		in the water	54° 31,704' N	172° 36,882' W	3520.260	1.0	109.0	8.5	69.2
SO293_1-9		t	AGT	AGT			2022/07/27 12:37:53	Boko, SL = 3810m	max depth/on ground	54° 32,481' N	172° 33,399' W	3503.810	1.0	92.8	9.4	69.9
SO293_1-9		t	AGT	AGT			2022/07/27 13:28:58	AGT ausgesteckt, maxSL: 5250m	max depth/on ground	54° 32,786' N	172° 32,034' W	3500.030	1.0	103.3	8.0	73.9
SO293_1-9		t	AGT	AGT			2022/07/27 13:37:49	Beg. hieven	hoisting	54° 32,828' N	172° 31,854' W	3505.670	0.0	108.1	9.2	57.5
SO293_1-9		t	AGT	AGT			2022/07/27 14:42:06	Netz frei vom Grund, SL: 3470m	hoisting	54° 32,830' N	172° 31,853' W	3499.440	0.0	89.2	7.4	68.8
SO293_1-9		t	AGT	AGT			2022/07/27 15:58:11		on deck	54° 32,821' N	172° 31,852' W	3498.780	0.1	85.2	7.1	188.6
SO293_1-9		t	AGT	AGT			2022/07/27 16:00:52		station end	54° 32,818' N	172° 31,855' W	3497.050	0.1	79.6	7.4	288.4
SO293_1-10		t	EBS	EBS			2022/07/27 16:41:58		station start	54° 31,381' N	172° 36,738' W	3517.640	0.7	77.3	6.8	12.2
SO293_1-10		t	EBS	EBS			2022/07/27 16:51:19	rwK = 068°, v = 1,0kn	in the water	54° 31,423' N	172° 36,583' W	3516.370	1.0	75.5	7.8	68.6
SO293_1-10		t	EBS	EBS			2022/07/27 18:46:00	Boko bei SL = 3702m, Beginn Draht auslegen	max depth/on ground	54° 32,142' N	172° 33,544' W	3499.240	1.0	83.6	9.0	70.6
SO293_1-10		t	EBS	EBS			2022/07/27 19:37:33	SLmax = 5250m	information	54° 32,465' N	172° 32,178' W	3497.880	1.0	64.4	10.0	69.4
SO293_1-10		t	EBS	EBS			2022/07/27 19:48:51	SZmax = 61,40kN	hoisting	54° 32,527' N	172° 31,923' W	3502.100	0.1	76.5	9.0	283.1
SO293_1-10		t	EBS	EBS			2022/07/27 22:04:27		on deck	54° 32,495' N	172° 32,014' W	3504.370	0.0	72.0	12.9	260.2
SO293_1-10		t	EBS	EBS			2022/07/27 22:05:35		station end	54° 32,495' N	172° 32,014' W	3503.940	0.1	79.5	12.6	58.8
SO293_1-11		t	OFOS	OFOS			2022/07/27 23:19:28		in the water	54° 33,214' N	172° 34,938' W	3510.620	0.0	80.1	9.7	216.9
SO293_1-11		t	OFOS	OFOS			2022/07/27 23:55:19	Winde gestoppt-technische Probleme OFOS	information	54° 33,218' N	172° 34,943' W	3512.030	0.1	80.0	11.2	221.0
SO293_1-11		t	OFOS	OFOS			2022/07/27 23:55:46		hoisting	54° 33,217' N	172° 34,943' W	3512.540	0.1	79.7	13.4	262.8
SO293_1-11		t	OFOS	OFOS			2022/07/28 00:27:33	Posidonia bei SL: 25m	information	54° 33,221' N	172° 34,939' W	3510.440	0.1	80.2	12.5	282.9
SO293_1-11		t	OFOS	OFOS			2022/07/28 01:56:51	Bosi, SL: 3520m	max depth/on ground	54° 33,222' N	172° 34,939' W	3511.730	0.0	84.3	11.9	325.3
SO293_1-11		t	OFOS	OFOS			2022/07/28 02:05:48	rwK = 060°, v = 1,0kn	profile start	54° 33,219' N	172° 34,922' W	3511.830	0.3	82.4	12.6	65.6
SO293_1-11		t	OFOS	OFOS			2022/07/28 04:10:13		profile end	54° 33,536' N	172° 34,273' W	3506.850	0.2	79.6	12.7	337.1
SO293_1-11		t	OFOS	OFOS			2022/07/28 05:17:55	Posidonia a/D	information	54° 33,537' N	172° 34,269' W	3505.680	0.0	74.1	11.7	293.5
SO293_1-11		t	OFOS	OFOS			2022/07/28 05:21:29		on deck	54° 33,539' N	172° 34,273' W	3504.570	0.2	83.1	12.0	66.8
SO293_1-11		t	OFOS	OFOS			2022/07/28 05:23:40		station end	54° 33,541' N	172° 34,276' W	3505.290	0.1	73.2	11.4	298.2
SO293_2-1		t	CTD	CTD			2022/07/28 13:20:20		station start	54° 32,276' N	174° 37,727' W	3653.060	0.9	54.2	13.3	51.1
SO293_2-1		t	CTD	CTD			2022/07/28 13:26:21		in the water	54° 32,275' N	174° 37,732' W	3651.380	0.2	62.1	13.6	208.9
SO293_2-1		t	CTD	CTD			2022/07/28 14:34:16	auf Tiefe, maxSL: 3654m	max depth/on ground	54° 32,276' N	174° 37,715' W	3651.150	0.1	61.1	15.9	176.6

SO293_2-1		t	CTD	CTD			2022/07/28 14:38:59	Beg. hieven	hoisting	54° 32,271' N	174° 37,721' W	3653.180	0.6	54.8	14.5	150.3
SO293_2-1		t	CTD	CTD			2022/07/28 16:27:28		on deck	54° 32,267' N	174° 37,705' W	3652.220	0.2	56.3	12.2	116.4
SO293_2-1		t	CTD	CTD			2022/07/28 16:28:35		station end	54° 32,269' N	174° 37,705' W	3651.900	0.3	59.5	12.6	322.0
SO293_2-2		t	EM122	EM122	Deep water multibeam		2022/07/28 17:28:01		station start	54° 27,758' N	174° 33,001' W	3655.060	7.7	62.9	13.3	266.3
SO293_2-2		t	EM122	EM122	Deep water multibeam		2022/07/28 17:29:11	rwK = 270°, v = 7,5kn, d = 4,9sm	profile start	54° 27,752' N	174° 33,255' W	3652.560	7.4	67.4	11.8	267.3
SO293_2-2		t	EM122	EM122	Deep water multibeam		2022/07/28 18:10:32	rwK = 090°	alter course	54° 27,812' N	174° 41,954' W	3662.000	4.3	71.1	16.7	346.5
SO293_2-2		t	EM122	EM122	Deep water multibeam		2022/07/28 19:09:57	rwK = 270°	alter course	54° 30,047' N	174° 33,389' W	3653.400	5.7	77.9	15.6	6.9
SO293_2-2		t	EM122	EM122	Deep water multibeam		2022/07/28 20:09:23	rwK = 090°	alter course	54° 32,257' N	174° 41,894' W	3652.480	5.5	74.9	12.3	318.1
SO293_2-2		t	EM122	EM122	Deep water multibeam		2022/07/28 21:08:34	rwK = 270°	alter course	54° 34,470' N	174° 33,694' W	3646.920	8.3	65.0	10.5	89.9
SO293_2-2		t	EM122	EM122	Deep water multibeam		2022/07/28 22:06:09		profile end	54° 36,725' N	174° 41,972' W	3643.570	7.8	55.4	12.7	270.7
SO293_2-2		t	EM122	EM122	Deep water multibeam		2022/07/28 22:08:52		station end	54° 36,608' N	174° 42,577' W	3642.320	8.9	75.5	10.2	217.8
SO293_2-3		t	LANDER	LANDER	Generic lander device -		2022/07/28 22:57:06		station start	54° 32,735' N	174° 36,762' W	3652.040	0.3	68.4	9.7	131.3
SO293_2-3		t	LANDER	LANDER	Generic lander device -		2022/07/28 22:58:57		deployed	54° 32,734' N	174° 36,756' W	3652.360	0.1	63.8	10.2	101.5
SO293_2-3		t	LANDER	LANDER	Generic lander device -		2022/07/28 23:02:39		station end	54° 32,723' N	174° 36,793' W	3651.420	1.6	66.1	7.9	246.9
SO293_2-4		t	MSN	MSN	Multinet with fine, f		2022/07/28 23:27:15		station start	54° 32,240' N	174° 37,605' W	3653.360	0.8	65.2	9.7	176.7
SO293_2-4		t	MSN	MSN	Multinet with fine, f		2022/07/28 23:30:10		in the water	54° 32,227' N	174° 37,616' W	3652.450	0.4	61.0	10.6	265.8
SO293_2-4		t	MSN	MSN	Multinet with fine, f		2022/07/29 00:15:01	auf Tiefe, maxSL: 1785m	max depth/on ground	54° 32,229' N	174° 37,639' W	3655.310	0.1	72.8	8.5	36.8
SO293_2-4		t	MSN	MSN	Multinet with fine, f		2022/07/29 01:06:23		on deck	54° 32,227' N	174° 37,643' W	3652.160	0.3	55.1	8.3	64.6
SO293_2-4		t	MSN	MSN	Multinet with fine, f		2022/07/29 01:07:38		station end	54° 32,229' N	174° 37,636' W	3652.120	0.2	56.8	7.7	66.8
SO293_2-5		t	OFOS	OFOS			2022/07/29 01:08:11		station start	54° 32,229' N	174° 37,634' W	3655.090	0.1	61.6	7.6	81.2
SO293_2-5		t	OFOS	OFOS			2022/07/29 01:24:16	Posidonia bei SL: 25m	in the water	54° 32,220' N	174° 37,642' W	3653.120	0.1	54.8	8.9	303.6
SO293_2-5		t	OFOS	OFOS			2022/07/29 02:57:15	Bosi, SL: 3661m	max depth/on ground	54° 32,225' N	174° 37,642' W	3653.630	0.0	30.5	8.2	208.7
SO293_2-5		t	OFOS	OFOS			2022/07/29 04:43:22		hoisting	54° 32,616' N	174° 36,807' W	3654.020	0.2	35.5	9.7	207.8
SO293_2-5		t	OFOS	OFOS			2022/07/29 05:52:56	Posidonia a/D	information	54° 32,617' N	174° 36,793' W	3652.970	0.0	18.7	10.6	27.8
SO293_2-5		t	OFOS	OFOS			2022/07/29 05:55:52		on deck	54° 32,616' N	174° 36,803' W	3651.790	0.1	18.5	11.4	281.0
SO293_2-5		t	OFOS	OFOS			2022/07/29 06:22:58		station end	54° 32,616' N	174° 36,794' W	3653.040	0.1	19.1	10.0	40.2
SO293_2-6		t	EBS	EBS			2022/07/29 07:05:57		station start	54° 30,673' N	174° 41,271' W	3656.440	0.2	16.3	10.4	335.6
SO293_2-6		t	EBS	EBS			2022/07/29 07:13:22	rwK = 030°, v = 1,0kn	in the water	54° 30,755' N	174° 41,197' W	3657.150	0.8	21.6	10.3	26.9
SO293_2-6		t	EBS	EBS			2022/07/29 08:53:20	Boko bei SL = 3842m, Beginn Draht auslegen	max depth/on ground	54° 32,172' N	174° 39,791' W	3652.830	0.9	13.9	8.8	17.0
SO293_2-6		t	EBS	EBS			2022/07/29 09:44:34	SLmax = 5250m	information	54° 32,905' N	174° 39,063' W	3654.240	1.1	15.1	9.2	33.2
SO293_2-6		t	EBS	EBS			2022/07/29 09:51:52	SZmax = 56,000kN	hoisting	54° 32,989' N	174° 38,981' W	3652.000	0.2	7.1	9.6	175.1
SO293_2-6		t	EBS	EBS			2022/07/29 11:59:09		on deck	54° 32,988' N	174° 38,965' W	3652.750	0.1	354.3	11.2	44.8
SO293_2-6		t	EBS	EBS			2022/07/29 12:48:24		station end	54° 32,390' N	174° 37,831' W	3651.830	1.6	359.2	10.9	139.8
SO293_2-7		t	BC	BC			2022/07/29 12:50:43		station start	54° 32,343' N	174° 37,775' W	3654.630	1.3	351.7	10.9	149.3
SO293_2-7		t	BC	BC			2022/07/29 13:02:29		in the water	54° 32,217' N	174° 37,636' W	3651.710	0.1	354.9	8.8	102.3
SO293_2-7		t	BC	BC			2022/07/29 14:16:40	Boko, maxSL: 3680m	max depth/on ground	54° 32,216' N	174° 37,631' W	3654.320	0.1	351.4	10.0	239.5
SO293_2-7		t	BC	BC			2022/07/29 14:18:07	Beg. hieven, maxSZ: 61,0kN	hoisting	54° 32,215' N	174° 37,633' W	3651.110	0.1	348.1	10.1	174.1
SO293_2-7		t	BC	BC			2022/07/29 15:32:57		on deck	54° 32,215' N	174° 37,646' W	3652.370	0.1	348.5	9.5	122.0
SO293_2-7		t	BC	BC			2022/07/29 15:35:20		station end	54° 32,216' N	174° 37,640' W	3651.740	0.1	345.8	8.9	130.9
SO293_2-8		t	MUC	MUC			2022/07/29 15:49:27		station start	54° 32,212' N	174° 37,639' W	3651.990	0.2	344.3	8.3	224.3
SO293_2-8		t	MUC	MUC			2022/07/29 15:51:10		in the water	54° 32,212' N	174° 37,645' W	3651.660	0.2	339.1	8.5	275.2
SO293_2-8		t	MUC	MUC			2022/07/29 17:03:47	SLmax = 3686m, SZmax = 59kN	max depth/on ground	54° 32,213' N	174° 37,642' W	3652.090	0.1	337.5	8.0	13.1
SO293_2-8		t	MUC	MUC			2022/07/29 18:21:48		on deck	54° 32,213' N	174° 37,631' W	3653.140	0.1	338.4	9.2	119.7
SO293_2-8		t	MUC	MUC			2022/07/29 18:35:28		station end	54° 32,217' N	174° 37,640' W	3654.470	0.1	342.4	8.2	278.3
SO293_2-9		t	MUC	MUC			2022/07/29 18:36:05		station start	54° 32,218' N	174° 37,641' W	3653.130	0.1	345.1	8.5	306.9
SO293_2-9		t	MUC	MUC			2022/07/29 18:42:26		in the water	54° 32,222' N	174° 37,638' W	3655.340	0.0	345.8	8.4	165.9
SO293_2-9		t	MUC	MUC			2022/07/29 19:54:30	SLmax = 3680m, SZmax = 58kN	max depth/on ground	54° 32,217' N	174° 37,631' W	3653.650	0.1	334.1	8.2	150.6
SO293_2-9		t	MUC	MUC			2022/07/29 21:11:59		on deck	54° 32,217' N	174° 37,643' W	3650.210	0.1	335.8	9.3	281.9
SO293_2-9		t	MUC	MUC			2022/07/29 21:24:43		station end	54° 32,235' N	174° 37,601' W	3652.180	1.6	325.8	8.9	40.5
SO293_2-10		t	LANDER	LANDER	Generic lander device -		2022/07/29 21:47:56		station start	54° 32,547' N	174° 36,765' W	0.000	0.8	330.3	7.6	150.6
SO293_2-10		t	LANDER	LANDER	Generic lander device -		2022/07/29 21:58:56	Hydrophon zu Wasser	information	54° 32,536' N	174° 36,753' W	0.000	0.5	321.8	7.4	314.3
SO293_2-10		t	LANDER	LANDER	Generic lander device -		2022/07/29 22:17:51	ausgelöst	information	54° 32,582' N	174° 36,814' W	0.000	0.1	316.0	7.0	113.0

SO293_2-10		t	LANDER	LANDER	Generic lander device -		2022/07/29 22:21:31	Hydrophon an Deck	information	54° 32,587' N	174° 36,819' W	0.000	0.1	320.1	8.4	270.7
SO293_2-10		t	LANDER	LANDER	Generic lander device -		2022/07/30 00:31:17	Hydrophon zu Wasser	information	54° 32,429' N	174° 36,716' W	0.000	0.4	323.9	7.0	16.0
SO293_2-10		t	LANDER	LANDER	Generic lander device -		2022/07/30 00:42:35	Hydrophon an Deck	information	54° 32,431' N	174° 36,721' W	0.000	0.1	336.7	7.4	290.6
SO293_2-10		t	LANDER	LANDER	Generic lander device -		2022/07/30 13:15:57	Hydrophon zu Wasser	information	54° 32,466' N	174° 36,743' W	3650.580	0.3	342.6	6.4	231.8
SO293_2-10		t	LANDER	LANDER	Generic lander device -		2022/07/30 13:44:12	Hydrophon an Deck	information	54° 32,472' N	174° 36,754' W	0.000	0.1	333.3	7.4	318.1
SO293_2-10		t	LANDER	LANDER	Generic lander device -		2022/07/30 13:55:49	Hydrophon zu Wasser	information	54° 32,679' N	174° 36,865' W	0.000	0.1	345.4	6.7	307.5
SO293_2-10		t	LANDER	LANDER	Generic lander device -		2022/07/30 14:08:48	Hydrophon an Deck	information	54° 32,686' N	174° 36,864' W	0.000	0.1	353.9	6.6	308.7
SO293_2-10		t	LANDER	LANDER	Generic lander device -		2022/07/30 14:21:30	Hydrophon zu Wasser	information	54° 32,711' N	174° 36,737' W	0.000	0.1	336.6	8.6	212.2
SO293_2-10		t	LANDER	LANDER	Generic lander device -		2022/07/30 16:14:11	Abbruch; Länder konnte nicht gefunden werden	station end	54° 32,594' N	174° 36,788' W	0.000	0.1	334.8	6.6	102.6
SO293_2-11		t	EBS	EBS			2022/07/30 01:12:04		station start	54° 33,705' N	174° 34,138' W	3649.360	0.7	323.1	7.4	320.1
SO293_2-11		t	EBS	EBS			2022/07/30 01:36:36		in the water	54° 33,711' N	174° 34,158' W	3650.420	0.0	325.7	6.4	261.7
SO293_2-11		t	EBS	EBS			2022/07/30 03:12:16	Boko, SL: 3922m	max depth/on ground	54° 33,754' N	174° 36,820' W	3651.740	1.0	352.6	8.0	268.4
SO293_2-11		t	EBS	EBS			2022/07/30 03:50:46	maxSL: 5000m	max depth/on ground	54° 33,754' N	174° 37,921' W	3650.260	1.1	354.1	9.2	263.2
SO293_2-11		t	EBS	EBS			2022/07/30 03:59:53	Schiff gestoppt, Beg. hieven	hoisting	54° 33,742' N	174° 38,127' W	3652.680	0.1	356.3	12.1	272.6
SO293_2-11		t	EBS	EBS			2022/07/30 04:38:02	frei vom Grund, SZmax = 52kN	information	54° 33,746' N	174° 38,130' W	3651.180	0.0	345.5	8.4	168.1
SO293_2-11		t	EBS	EBS			2022/07/30 05:58:58		on deck	54° 33,748' N	174° 38,116' W	3651.010	0.1	339.5	6.9	133.1
SO293_2-11		t	EBS	EBS			2022/07/30 06:08:22		station end	54° 33,743' N	174° 38,118' W	3652.140	0.1	338.2	7.1	172.6
SO293_2-12		t	AGT	AGT			2022/07/30 06:08:57		station start	54° 33,743' N	174° 38,117' W	3652.360	0.1	335.8	6.7	105.4
SO293_2-12		t	AGT	AGT			2022/07/30 06:26:00	rwK = 320°, v = 1,0kn	in the water	54° 33,748' N	174° 38,132' W	3649.840	0.6	334.2	7.0	331.4
SO293_2-12		t	AGT	AGT			2022/07/30 08:31:31		max depth/on ground	54° 35,349' N	174° 40,432' W	3648.280	1.0	347.6	5.9	316.9
SO293_2-12		t	AGT	AGT			2022/07/30 09:09:33	SLmax = 5200m	information	54° 35,833' N	174° 41,131' W	3645.980	1.0	351.6	7.5	336.1
SO293_2-12		t	AGT	AGT			2022/07/30 09:20:54	SZmax = 62,30kN	hoisting	54° 35,966' N	174° 41,322' W	3645.640	0.1	346.4	7.9	287.5
SO293_2-12		t	AGT	AGT			2022/07/30 11:35:13		on deck	54° 35,822' N	174° 41,238' W	3646.360	0.1	332.8	9.3	156.5
SO293_2-12		t	AGT	AGT			2022/07/30 12:30:16		station end	54° 35,827' N	174° 41,250' W	3646.630	0.1	340.4	7.8	32.3
SO293_3-1		t	OFOS	OFOS			2022/07/30 21:51:04		station start	53° 48,317' N	173° 38,257' W	3588.200	0.2	151.0	1.5	0.0
SO293_3-1		t	OFOS	OFOS			2022/07/30 21:55:41		in the water	53° 48,319' N	173° 38,257' W	3588.260	0.0	147.9	1.8	100.5
SO293_3-1		t	OFOS	OFOS			2022/07/30 21:58:57	Posidonia bei SL = 25m	information	53° 48,319' N	173° 38,255' W	3588.230	0.0	26.5	0.4	92.3
SO293_3-1		t	OFOS	OFOS			2022/07/30 23:30:14	Bosi, SL = 3596m	information	53° 48,314' N	173° 38,258' W	3588.490	0.0	117.6	2.9	107.6
SO293_3-1		t	OFOS	OFOS			2022/07/30 23:32:26	rwK = 180°, v = 0,3kn	information	53° 48,313' N	173° 38,256' W	3587.150	0.1	129.6	3.3	164.1
SO293_3-1		t	OFOS	OFOS			2022/07/31 01:32:54		profile end	53° 47,690' N	173° 38,262' W	3586.760	0.0	142.3	6.2	73.2
SO293_3-1		t	OFOS	OFOS			2022/07/31 01:41:25	Beg. hieven	hoisting	53° 47,690' N	173° 38,259' W	3585.290	0.0	151.8	5.7	87.7
SO293_3-1		t	OFOS	OFOS			2022/07/31 02:53:36		on deck	53° 47,697' N	173° 38,268' W	3586.200	0.1	142.2	7.8	202.7
SO293_3-1		t	OFOS	OFOS			2022/07/31 02:57:25		station end	53° 47,726' N	173° 38,287' W	3585.060	1.7	153.3	5.9	349.6
SO293_3-2		t	EM122	EM122	Deep water multibeam		2022/07/31 03:38:03	rwk: 090°	profile start	53° 52,798' N	173° 43,694' W	3603.770	8.2	136.7	6.1	82.2
SO293_3-2		t	EM122	EM122	Deep water multibeam		2022/07/31 04:46:32	rwK = 270°	alter course	53° 50,595' N	173° 33,567' W	3586.930	7.7	131.6	7.9	264.2
SO293_3-2		t	EM122	EM122	Deep water multibeam		2022/07/31 05:48:55	rwK = 090°	alter course	53° 48,330' N	173° 42,991' W	3593.170	7.5	125.5	6.1	93.9
SO293_3-2		t	EM122	EM122	Deep water multibeam		2022/07/31 06:52:52	rwK = 270°	alter course	53° 46,103' N	173° 33,465' W	3570.910	7.8	119.6	9.0	259.7
SO293_3-2		t	EM122	EM122	Deep water multibeam		2022/07/31 07:58:29	rwK = 090°	alter course	53° 43,830' N	173° 42,894' W	3584.470	6.8	115.4	10.2	90.0
SO293_3-2		t	EM122	EM122	Deep water multibeam		2022/07/31 08:48:26		profile end	53° 43,790' N	173° 33,827' W	3564.710	7.4	129.4	11.4	91.1
SO293_4-1		t	CTD	CTD			2022/08/01 03:45:00		station start	51° 37,709' N	170° 28,785' W	4608.220	0.3	231.9	15.8	240.3
SO293_4-1		t	CTD	CTD			2022/08/01 03:50:24		in the water	51° 37,700' N	170° 28,790' W	4605.200	0.2	234.2	17.3	27.4
SO293_4-1		t	CTD	CTD			2022/08/01 05:15:17	SLmax = 4598m	max depth/on ground	51° 37,699' N	170° 28,794' W	4613.580	0.2	242.3	18.2	236.9
SO293_4-1		t	CTD	CTD			2022/08/01 07:26:55		on deck	51° 37,709' N	170° 28,785' W	4600.100	0.2	241.1	16.0	277.4
SO293_4-1		t	CTD	CTD			2022/08/01 07:28:43		station end	51° 37,705' N	170° 28,779' W	4608.830	0.4	243.3	15.1	277.3
SO293_4-2		t	EM122	EM122	Deep water multibeam		2022/08/01 08:55:29	rwk = 090°, v = 7,5nk	profile start	51° 40,302' N	170° 35,401' W	4282.260	7.3	243.6	12.6	88.6
SO293_4-2		t	EM122	EM122	Deep water multibeam		2022/08/01 10:01:02	Unterbrechung Profil, wetterbedingt	information	51° 40,335' N	170° 22,210' W	4088.510	7.9	256.4	13.7	88.8
SO293_4-2		t	EM122	EM122	Deep water multibeam		2022/08/01 15:28:59	Fortsetzung Bathymetrie, rwK = 123°	alter course	51° 40,359' N	170° 42,709' W	4135.750	7.8	261.6	16.3	206.6
SO293_4-2		t	EM122	EM122	Deep water multibeam		2022/08/01 16:08:23	rwK = 101°	alter course	51° 36,561' N	170° 34,573' W	4557.900	9.5	251.2	9.6	100.2
SO293_4-2		t	EM122	EM122	Deep water multibeam		2022/08/01 17:49:14		profile end	51° 37,825' N	170° 28,367' W	4496.360	6.6	215.4	6.2	268.0
SO293_4-3		t	MSN	MSN	Multinet with fine,	f	2022/08/01 17:57:42	clean ship	station start	51° 37,723' N	170° 28,981' W	4609.550	0.2	220.3	6.0	61.6
SO293_4-3		t	MSN	MSN	Multinet with fine,	f	2022/08/01 18:03:48		in the water	51° 37,714' N	170° 28,968' W	4607.600	0.1	222.9	6.5	292.5
SO293_4-3		t	MSN	MSN	Multinet with fine,	f	2022/08/01 18:50:19	SLmax = 1784m	max depth/on ground	51° 37,735' N	170° 28,978' W	4609.870	0.1	207.0	8.4	104.0

SO293_4-3		t	MSN	MSN	Multinet with fine,	f	2022/08/01 19:43:18		on deck	51° 37,724' N	170° 28,981' W	4608.570	0.1	216.2	6.1	69.5
SO293_4-3		t	MSN	MSN	Multinet with fine,	f	2022/08/01 19:45:43		station end	51° 37,724' N	170° 28,982' W	4607.810	0.1	200.8	5.0	110.0
SO293_4-4		t	OFOS	OFOS			2022/08/01 19:47:02		station start	51° 37,725' N	170° 28,985' W	4607.280	0.1	209.1	5.7	285.7
SO293_4-4		t	OFOS	OFOS			2022/08/01 20:00:25		in the water	51° 37,734' N	170° 28,975' W	4609.250	0.1	196.8	3.9	269.0
SO293_4-4		t	OFOS	OFOS			2022/08/01 20:03:29	Posidonia bei SL = 25m	information	51° 37,731' N	170° 28,981' W	4610.400	0.1	193.3	3.8	220.9
SO293_4-4		t	OFOS	OFOS			2022/08/01 22:02:06	Bosi, SL = 4625m	information	51° 37,726' N	170° 28,977' W	4607.420	0.0	175.8	5.8	73.8
SO293_4-4		t	OFOS	OFOS			2022/08/01 22:03:23	rwK = 270°, v = 0,2kn	profile start	51° 37,726' N	170° 28,978' W	4609.650	0.2	185.3	4.9	313.0
SO293_4-4		t	OFOS	OFOS			2022/08/01 23:02:09	rwK = 270°, v = 0,5kn	information	51° 37,730' N	170° 29,294' W	4608.210	0.6	162.1	6.0	272.4
SO293_4-4		t	OFOS	OFOS			2022/08/02 00:08:56		profile end	51° 37,728' N	170° 30,082' W	4593.390	0.0	150.7	3.6	246.1
SO293_4-4		t	OFOS	OFOS			2022/08/02 00:09:10	Beg. hieven	hoisting	51° 37,728' N	170° 30,082' W	4593.800	0.1	156.3	5.3	282.9
SO293_4-4		t	OFOS	OFOS			2022/08/02 01:37:26		on deck	51° 37,726' N	170° 30,086' W	4594.270	0.0	141.1	7.0	318.7
SO293_4-4		t	OFOS	OFOS			2022/08/02 01:52:25		station end	51° 38,495' N	170° 29,898' W	4611.920	8.0	142.0	7.1	19.3
SO293_4-5		t	EBS	EBS			2022/08/02 02:34:26		station start	51° 42,539' N	170° 28,755' W	4215.630	0.6	130.3	4.5	262.2
SO293_4-5		t	EBS	EBS			2022/08/02 02:39:03		in the water	51° 42,519' N	170° 28,765' W	4221.180	0.8	132.1	5.5	195.5
SO293_4-5		t	EBS	EBS			2022/08/02 04:45:30	BoKo bei SL = 5032m; Beginn Auslegen rwK =	max depth/on ground	51° 40,489' N	170° 29,566' W	4640.020	1.1	117.7	9.1	196.5
SO293_4-5		t	EBS	EBS			2022/08/02 05:29:53	Ende Auslegen, SLmax = 6300m	information	51° 39,772' N	170° 29,850' W	4628.820	1.0	111.2	9.0	193.5
SO293_4-5		t	EBS	EBS			2022/08/02 05:38:21		hoisting	51° 39,664' N	170° 29,892' W	4627.000	0.1	114.9	9.2	183.7
SO293_4-5		t	EBS	EBS			2022/08/02 06:32:54	frei vom Grund, SZmax = 67kN	information	51° 39,666' N	170° 29,891' W	4625.770	0.0	108.4	9.4	48.3
SO293_4-5		t	EBS	EBS			2022/08/02 08:05:26		on deck	51° 39,667' N	170° 29,884' W	4627.010	0.0	163.3	6.9	213.0
SO293_4-5		t	EBS	EBS			2022/08/02 08:20:01		station end	51° 39,666' N	170° 29,882' W	4627.940	0.1	189.3	8.1	279.2
SO293_4-6		t	BC	BC			2022/08/02 08:52:45		station start	51° 40,503' N	170° 29,119' W	4641.260	0.5	178.4	10.1	228.9
SO293_4-6		t	BC	BC			2022/08/02 08:56:38		in the water	51° 40,495' N	170° 29,126' W	4640.840	0.1	181.6	10.1	63.9
SO293_4-6		t	BC	BC			2022/08/02 10:26:50	SLmax = 4674m	max depth/on ground	51° 40,336' N	170° 28,711' W	4641.920	0.1	211.7	8.8	225.4
SO293_4-6		t	BC	BC			2022/08/02 10:28:05	SZmax = 63,80kN	hoisting	51° 40,336' N	170° 28,711' W	4641.980	0.0	212.4	9.0	284.2
SO293_4-6		t	BC	BC			2022/08/02 11:59:02		on deck	51° 40,337' N	170° 28,701' W	4642.840	0.1	208.4	10.5	35.1
SO293_4-6		t	BC	BC			2022/08/02 12:01:07		station end	51° 40,335' N	170° 28,698' W	4642.210	0.1	203.0	10.1	127.0
SO293_4-7		t	MUC	MUC			2022/08/02 12:18:35		station start	51° 40,337' N	170° 28,702' W	4641.890	0.1	207.1	9.6	203.5
SO293_4-7		t	MUC	MUC			2022/08/02 12:22:59		in the water	51° 40,338' N	170° 28,708' W	4641.450	0.0	205.2	8.7	36.4
SO293_4-7		t	MUC	MUC			2022/08/02 13:49:48	Boko, maxSL: 4680m	max depth/on ground	51° 40,335' N	170° 28,704' W	4642.140	0.1	203.3	9.7	240.1
SO293_4-7		t	MUC	MUC			2022/08/02 13:52:05	Beg. hieven, maxSZ: 76,5kN	hoisting	51° 40,335' N	170° 28,705' W	4642.040	0.1	203.0	10.0	354.9
SO293_4-7		t	MUC	MUC			2022/08/02 15:20:24		on deck	51° 40,340' N	170° 28,710' W	4641.850	0.1	198.4	10.0	232.1
SO293_4-7		t	MUC	MUC			2022/08/02 15:25:03		station end	51° 40,342' N	170° 28,709' W	4641.950	0.1	202.9	10.1	50.5
SO293_4-8		t	MUC	MUC			2022/08/02 15:30:00		station start	51° 40,340' N	170° 28,704' W	4642.480	0.1	198.9	10.5	215.4
SO293_4-8		t	MUC	MUC			2022/08/02 15:40:38		in the water	51° 40,336' N	170° 28,697' W	4641.340	0.1	203.0	11.3	39.9
SO293_4-8		t	MUC	MUC			2022/08/02 17:10:02	BoKo bei SLmax = 4683m	max depth/on ground	51° 40,332' N	170° 28,703' W	4640.360	0.1	197.7	11.9	275.3
SO293_4-8		t	MUC	MUC			2022/08/02 17:11:16	SZmax = 76kN	hoisting	51° 40,333' N	170° 28,702' W	4640.920	0.1	199.0	12.4	60.0
SO293_4-8		t	MUC	MUC			2022/08/02 18:44:30		on deck	51° 40,342' N	170° 28,699' W	4641.880	0.1	197.1	12.8	77.9
SO293_4-8		t	MUC	MUC			2022/08/02 19:00:43		station end	51° 40,339' N	170° 28,710' W	4641.680	0.1	196.9	13.8	252.8
SO293_4-9		t	EBS	EBS			2022/08/02 19:53:37		station start	51° 42,626' N	170° 28,754' W	4206.310	0.3	197.6	14.9	205.0
SO293_4-9		t	EBS	EBS			2022/08/02 20:00:25		in the water	51° 42,530' N	170° 28,826' W	4215.660	1.0	199.2	13.7	212.6
SO293_4-9		t	EBS	EBS			2022/08/02 22:07:46	SL = 4990m; Beginn Auslegen rwK = 205°	max depth/on ground	51° 40,607' N	170° 30,259' W	4637.960	1.1	199.2	13.7	202.5
SO293_4-9		t	EBS	EBS			2022/08/02 22:52:26	Ende Auslegen, SLmax = 6300m	information	51° 39,933' N	170° 30,761' W	4611.680	0.9	198.8	14.7	212.7
SO293_4-9		t	EBS	EBS			2022/08/02 23:38:10		hoisting	51° 39,859' N	170° 30,805' W	4611.200	0.1	199.2	12.7	42.9
SO293_4-9		t	EBS	EBS			2022/08/03 00:38:32	frei vom Grund, SL: 4600m, SZmax = 68,5kN	hoisting	51° 39,858' N	170° 30,816' W	4607.460	0.1	205.7	12.0	146.9
SO293_4-9		t	EBS	EBS			2022/08/03 02:06:06		on deck	51° 39,858' N	170° 30,817' W	4607.420	0.1	198.1	15.1	131.0
SO293_4-9		t	EBS	EBS			2022/08/03 02:19:04		station end	51° 39,857' N	170° 30,794' W	4610.710	0.2	197.6	13.4	290.1
SO293_4-10		t	AGT	AGT			2022/08/03 02:58:29		station start	51° 42,593' N	170° 28,621' W	4204.670	0.4	192.7	10.9	93.2
SO293_4-10		t	AGT	AGT			2022/08/03 03:05:58		in the water	51° 42,542' N	170° 28,622' W	4215.270	0.8	197.1	13.4	182.9
SO293_4-10		t	AGT	AGT			2022/08/03 05:45:46	BoKo bei SL = 5056m; Beginn Auslegen, rwK =	max depth/on ground	51° 39,918' N	170° 28,707' W	4638.850	1.1	193.5	13.5	177.4
SO293_4-10		t	AGT	AGT			2022/08/03 06:31:15	SLmax = 6500m	max depth/on ground	51° 39,161' N	170° 28,729' W	4629.200	1.0	183.9	13.4	178.1
SO293_4-10		t	AGT	AGT			2022/08/03 06:39:26		hoisting	51° 39,037' N	170° 28,734' W	4627.320	0.1	190.1	14.0	110.4
SO293_4-10		t	AGT	AGT			2022/08/03 07:37:35	frei vom Grund, SZmax = 73kN	information	51° 39,039' N	170° 28,752' W	4627.100	0.2	187.9	12.7	100.3

SO293_4-10		t	AGT	AGT			2022/08/03 09:24:13		on deck	51° 39,051' N	170° 28,764' W	4626.810	0.1	182.9	13.9	40.0
SO293_4-10		t	AGT	AGT			2022/08/03 09:50:52		station end	51° 39,059' N	170° 28,751' W	4626.750	0.4	191.1	12.2	125.5
SO293_5-1		t	CTD	CTD			2022/08/03 13:34:58		station start	51° 13,273' N	170° 09,715' W	7237.620	0.4	184.9	13.0	15.7
SO293_5-1		t	CTD	CTD			2022/08/03 13:36:47		in the water	51° 13,266' N	170° 09,718' W	7238.230	0.2	188.9	12.3	162.7
SO293_5-1		t	CTD	CTD			2022/08/03 14:11:23	auf Tiefe, maxSL: 1750m	max depth/on ground	51° 13,309' N	170° 09,834' W	7239.400	0.2	191.9	14.3	196.6
SO293_5-1		t	CTD	CTD			2022/08/03 14:15:42	Beg. hieven	hoisting	51° 13,318' N	170° 09,827' W	7237.180	0.3	194.7	14.0	193.6
SO293_5-1		t	CTD	CTD			2022/08/03 15:26:33		on deck	51° 13,305' N	170° 09,828' W	7237.140	0.2	198.7	13.7	184.1
SO293_5-1		t	CTD	CTD			2022/08/03 15:33:14		station end	51° 13,307' N	170° 09,834' W	0.000	0.2	196.8	12.7	302.2
SO293_5-2		t	MSN	MSN	Multinet with fine,	f	2022/08/03 15:38:40		station start	51° 13,306' N	170° 09,834' W	7238.030	0.2	199.1	13.5	349.7
SO293_5-2		t	MSN	MSN	Multinet with fine,	f	2022/08/03 15:41:40		in the water	51° 13,306' N	170° 09,835' W	7237.760	0.2	197.5	13.2	201.5
SO293_5-2		t	MSN	MSN	Multinet with fine,	f	2022/08/03 16:26:22	SLmax = 1780m	max depth/on ground	51° 13,302' N	170° 09,836' W	7238.290	0.1	206.8	13.5	151.7
SO293_5-2		t	MSN	MSN	Multinet with fine,	f	2022/08/03 17:17:02		on deck	51° 13,312' N	170° 09,829' W	7238.840	0.2	206.7	14.4	10.2
SO293_5-2		t	MSN	MSN	Multinet with fine,	f	2022/08/03 17:17:26		station end	51° 13,313' N	170° 09,829' W	7238.080	0.2	208.0	13.6	308.7
SO293_5-3		t	LANDER	LANDER	Generic lander device -		2022/08/03 18:00:48		station start	51° 13,741' N	170° 07,486' W	7240.350	0.1	215.3	10.5	356.3
SO293_5-3		t	LANDER	LANDER	Generic lander device -		2022/08/03 18:34:00		deployed	51° 13,751' N	170° 07,537' W	7239.920	0.3	223.7	9.3	27.0
SO293_5-3		t	LANDER	LANDER	Generic lander device -		2022/08/03 18:34:45		station end	51° 13,752' N	170° 07,536' W	7241.130	0.1	225.3	11.7	332.2
SO293_5-4		t	EBS	EBS			2022/08/03 19:21:59		station start	51° 16,806' N	170° 09,707' W	7234.650	0.6	225.1	10.1	173.3
SO293_5-4		t	EBS	EBS			2022/08/03 19:30:17		in the water	51° 16,702' N	170° 09,731' W	7237.080	1.0	230.4	9.4	189.9
SO293_5-4		t	EBS	EBS			2022/08/03 19:40:27	Schiff aufgestoppt, technische Probleme	information	51° 16,574' N	170° 09,762' W	7231.460	0.0	234.3	9.7	108.7
SO293_5-4		t	EBS	EBS			2022/08/03 20:41:10	zurück an Oberfläche	hoisting	51° 16,572' N	170° 09,766' W	7232.690	0.2	243.5	9.0	268.7
SO293_5-4		t	EBS	EBS			2022/08/03 20:54:03	Fortsetzung Fieren	information	51° 16,548' N	170° 09,784' W	7237.420	1.0	235.3	7.4	190.1
SO293_5-4		t	EBS	EBS			2022/08/03 23:50:19	SL = 7788m; Beginn Auslegen rwK = 190°, v = 1	max depth/on ground	51° 13,665' N	170° 10,595' W	7238.860	1.1	249.5	8.7	197.5
SO293_5-4		t	EBS	EBS			2022/08/04 01:09:06	Ende Auslegen, maxSL: 10000m	information	51° 12,376' N	170° 10,959' W	7251.570	1.1	254.6	7.9	191.8
SO293_5-4		t	EBS	EBS			2022/08/04 01:20:15	Schiff aufgestoppt, Beg. hieven	hoisting	51° 12,215' N	170° 11,001' W	7251.400	0.1	255.8	7.8	61.5
SO293_5-4		t	EBS	EBS			2022/08/04 03:06:16	EBS frei vom Grund, SL: 7200m, maxSZ: 102,5	hoisting	51° 12,212' N	170° 11,004' W	7252.260	0.2	237.8	6.5	209.5
SO293_5-4		t	EBS	EBS			2022/08/04 05:24:18		on deck	51° 12,191' N	170° 10,971' W	7253.770	0.3	233.4	3.9	183.5
SO293_5-4		t	EBS	EBS			2022/08/04 06:13:59		station end	51° 12,208' N	170° 10,991' W	7251.580	0.0	240.1	4.3	341.7
SO293_5-5		t	BC	BC			2022/08/04 06:42:27		station start	51° 13,304' N	170° 09,908' W	7238.550	0.2	252.2	3.5	165.4
SO293_5-5		t	BC	BC			2022/08/04 06:44:26		in the water	51° 13,306' N	170° 09,899' W	7238.700	0.3	251.5	4.0	35.9
SO293_5-5		t	BC	BC			2022/08/04 08:56:44	SLmax = 7281m	max depth/on ground	51° 13,320' N	170° 09,840' W	7237.840	0.2	177.8	6.5	218.2
SO293_5-5		t	BC	BC			2022/08/04 08:59:00	SZmax = 105,0kN	hoisting	51° 13,318' N	170° 09,848' W	7235.330	0.0	174.5	5.8	284.6
SO293_5-5		t	BC	BC			2022/08/04 11:17:27		on deck	51° 13,308' N	170° 09,839' W	7239.300	0.1	153.0	1.9	199.2
SO293_5-5		t	BC	BC			2022/08/04 11:19:46		station end	51° 13,305' N	170° 09,843' W	7236.160	0.1	173.4	1.1	277.4
SO293_5-6		t	MUC	MUC			2022/08/04 11:34:04		station start	51° 13,301' N	170° 09,839' W	7238.190	0.1	151.3	1.5	109.6
SO293_5-6		t	MUC	MUC			2022/08/04 11:37:58		in the water	51° 13,301' N	170° 09,838' W	7237.050	0.0	148.9	0.9	231.4
SO293_5-6		t	MUC	MUC			2022/08/04 13:47:35	Boko, maxSL: 7290m	max depth/on ground	51° 13,313' N	170° 09,848' W	7236.730	0.1	21.9	4.2	89.0
SO293_5-6		t	MUC	MUC			2022/08/04 13:49:06	Beg. hieven, maxSZ: 107,2kN	hoisting	51° 13,313' N	170° 09,848' W	7236.720	0.0	25.8	4.2	95.1
SO293_5-6		t	MUC	MUC			2022/08/04 16:15:37		on deck	51° 13,308' N	170° 09,851' W	7237.780	0.2	38.8	6.4	276.1
SO293_5-6		t	MUC	MUC			2022/08/04 16:25:17		station end	51° 13,305' N	170° 09,846' W	7237.670	0.1	40.2	6.2	116.1
SO293_5-7		t	MUC	MUC			2022/08/04 16:38:44		station start	51° 13,311' N	170° 09,850' W	7236.210	0.1	46.7	6.3	305.9
SO293_5-7		t	MUC	MUC			2022/08/04 16:50:58		in the water	51° 13,312' N	170° 09,837' W	7237.250	0.1	40.3	6.4	94.5
SO293_5-7		t	MUC	MUC			2022/08/04 19:03:38	SLmax = 7288m, SZmax = 106kN	max depth/on ground	51° 13,316' N	170° 09,839' W	7239.710	0.2	34.6	4.4	122.9
SO293_5-7		t	MUC	MUC			2022/08/04 21:39:17		on deck	51° 13,314' N	170° 09,834' W	7238.040	0.1	63.2	3.5	56.5
SO293_5-7		t	MUC	MUC			2022/08/04 21:40:03		station end	51° 13,314' N	170° 09,835' W	7234.850	0.1	141.4	2.0	60.2
SO293_5-8		t	LANDER	LANDER	Generic lander device -		2022/08/04 19:55:31	Hydrophon z/W	station start	51° 13,315' N	170° 09,832' W	7236.550	0.1	52.2	5.8	113.0
SO293_5-8		t	LANDER	LANDER	Generic lander device -		2022/08/04 20:00:28	beide Releaser ausgelöst	information	51° 13,314' N	170° 09,846' W	7237.450	0.2	53.2	4.7	221.4
SO293_5-8		t	LANDER	LANDER	Generic lander device -		2022/08/04 20:10:43	Hydrophon a/D	information	51° 13,310' N	170° 09,848' W	7239.680	0.1	41.8	5.7	122.3
SO293_5-8		t	LANDER	LANDER	Generic lander device -		2022/08/04 20:44:10	Hydrophon z/W	information	51° 13,308' N	170° 09,842' W	7238.030	0.1	26.5	3.2	68.3
SO293_5-8		t	LANDER	LANDER	Generic lander device -		2022/08/04 20:51:49	Hydrophon a/D	information	51° 13,310' N	170° 09,838' W	7236.400	0.1	68.7	1.3	49.6
SO293_5-8		t	LANDER	LANDER	Generic lander device -		2022/08/04 21:42:49	Hydrophon z/W	information	51° 13,314' N	170° 09,837' W	7239.440	0.1	83.7	3.1	69.3
SO293_5-8		t	LANDER	LANDER	Generic lander device -		2022/08/04 21:50:49	Hydrophon a/D	information	51° 13,313' N	170° 09,839' W	7236.500	0.1	58.2	3.7	88.3
SO293_5-8		t	LANDER	LANDER	Generic lander device -		2022/08/04 23:55:17	Hydrophon z/W	information	51° 13,788' N	170° 06,762' W	7242.150	0.1	69.6	2.7	353.5

SO293_5-8		t	LANDER	LANDER	Generic lander device -	2022/08/05 00:38:01	Hydrophon an Deck	information	51° 13,794' N	170° 06,746' W	7243.130	0.1	28.1	8.4	121.9
SO293_5-8		t	LANDER	LANDER	Generic lander device -	2022/08/05 01:31:50	Hydrophon zu Wasser	information	51° 13,789' N	170° 06,753' W	7240.790	0.1	37.6	10.2	260.3
SO293_5-8		t	LANDER	LANDER	Generic lander device -	2022/08/05 01:46:43	Hydrophon an Deck	information	51° 13,784' N	170° 06,750' W	7240.430	0.1	18.8	9.4	235.6
SO293_5-8		t	LANDER	LANDER	Generic lander device -	2022/08/05 02:17:00	Hydrophon zu Wasser	information	51° 14,640' N	170° 04,460' W	7240.900	0.1	11.7	8.9	180.5
SO293_5-8		t	LANDER	LANDER	Generic lander device -	2022/08/05 02:29:05	Hydrophon an Deck	information	51° 14,637' N	170° 04,460' W	7242.970	0.1	8.5	9.9	167.9
SO293_5-8		t	LANDER	LANDER	Generic lander device -	2022/08/05 03:01:26	Hydrophon zu Wasser	information	51° 14,437' N	170° 07,268' W	7244.970	0.3	27.5	10.6	358.4
SO293_5-8		t	LANDER	LANDER	Generic lander device -	2022/08/05 03:18:12	Hydrophon an Deck	information	51° 14,438' N	170° 07,266' W	7246.180	0.3	17.5	11.0	102.1
SO293_5-8		t	LANDER	LANDER	Generic lander device -	2022/08/05 03:50:57	Hydrophon zu Wasser	information	51° 13,710' N	170° 07,535' W	7242.200	0.1	15.0	8.8	0.5
SO293_5-8		t	LANDER	LANDER	Generic lander device -	2022/08/05 04:08:36	Hydrophon a/D	information	51° 13,713' N	170° 07,521' W	7240.920	0.1	5.5	8.7	338.1
SO293_5-8		t	LANDER	LANDER	Generic lander device -	2022/08/05 06:33:01	Hydrophon z/W	information	51° 13,240' N	170° 07,717' W	7238.220	0.1	7.2	5.7	17.8
SO293_5-8		t	LANDER	LANDER	Generic lander device -	2022/08/05 06:50:00	Hydrophon a/D	information	51° 13,157' N	170° 08,082' W	7238.750	0.4	15.2	6.5	357.3
SO293_5-8		t	LANDER	LANDER	Generic lander device -	2022/08/05 07:09:34	Auslöseversuch gescheitert, Lander nicht aufg	information	51° 13,177' N	170° 07,819' W	7241.970	6.7	327.5	6.1	138.1
SO293_5-8		t	LANDER	LANDER	Generic lander device -	2022/08/05 16:52:28	Fortsetzung Auslöseversuche	information	51° 13,732' N	170° 07,497' W	7239.140	0.9	326.6	7.2	265.6
SO293_5-8		t	LANDER	LANDER	Generic lander device -	2022/08/05 16:58:24	Hydrophon z/W	information	51° 13,736' N	170° 07,537' W	7241.130	0.1	334.8	8.4	314.3
SO293_5-8		t	LANDER	LANDER	Generic lander device -	2022/08/05 17:09:17	Hydrophon a/D	information	51° 13,738' N	170° 07,518' W	7241.450	0.1	311.7	9.1	44.0
SO293_5-8		t	LANDER	LANDER	Generic lander device -	2022/08/05 17:56:47	Dummy-Gewicht	in the water	51° 13,582' N	170° 07,887' W	7241.110	0.2	333.8	7.0	13.3
SO293_5-8		t	LANDER	LANDER	Generic lander device -	2022/08/05 20:09:14	Boko Dummy SL: 7283 m	information	51° 13,581' N	170° 07,898' W	7241.140	0.0	341.4	7.6	304.4
SO293_5-8		t	LANDER	LANDER	Generic lander device -	2022/08/05 20:13:36	Legen aus	information	51° 13,616' N	170° 07,900' W	7242.940	1.0	331.6	6.8	345.0
SO293_5-8		t	LANDER	LANDER	Generic lander device -	2022/08/05 21:26:39	SLmax: 9900m	information	51° 13,547' N	170° 07,256' W	7237.710	0.5	331.1	8.5	256.2
SO293_5-8		t	LANDER	LANDER	Generic lander device -	2022/08/05 21:57:24		hoisting	51° 13,426' N	170° 07,595' W	7243.500	0.6	320.2	6.9	23.9
SO293_5-8		t	LANDER	LANDER	Generic lander device -	2022/08/05 23:34:12	Hydrophon zu Wasser	information	51° 13,429' N	170° 07,587' W	7239.090	0.1	308.4	8.5	170.1
SO293_5-8		t	LANDER	LANDER	Generic lander device -	2022/08/05 23:34:49	Dummy vom Grund	information	51° 13,428' N	170° 07,588' W	7240.970	0.1	301.3	8.7	197.4
SO293_5-8		t	LANDER	LANDER	Generic lander device -	2022/08/05 23:46:05	Hydrophon a/D	information	51° 13,432' N	170° 07,589' W	7239.110	0.1	298.7	8.3	286.1
SO293_5-8		t	LANDER	LANDER	Generic lander device -	2022/08/06 01:34:14	Dummy an Deck	on deck	51° 13,433' N	170° 07,599' W	7239.650	0.0	306.3	7.5	319.7
SO293_5-8		t	LANDER	LANDER	Generic lander device -	2022/08/06 01:39:55	Hydrophon an Deck	information	51° 13,433' N	170° 07,599' W	7240.460	0.1	313.2	6.5	150.8
SO293_5-8		t	LANDER	LANDER	Generic lander device -	2022/08/06 01:50:52	Lander nicht aufgetaucht;	information	51° 13,423' N	170° 07,602' W	7241.670	0.1	319.4	8.1	109.7
SO293_5-8		t	LANDER	LANDER	Generic lander device -	2022/08/06 01:51:21	Setzen Stationsarbeiten fort	information	51° 13,422' N	170° 07,602' W	7241.240	0.0	314.1	9.4	137.6
SO293_5-8		t	LANDER	LANDER	Generic lander device -	2022/08/06 14:01:47	Hydrophon zu Wasser	information	51° 13,751' N	170° 07,506' W	7243.630	0.1	323.5	7.5	233.3
SO293_5-8		t	LANDER	LANDER	Generic lander device -	2022/08/06 14:09:35	Hydrophon an Deck	information	51° 13,749' N	170° 07,506' W	7239.940	0.2	333.4	8.3	49.9
SO293_5-8		t	LANDER	LANDER	Generic lander device -	2022/08/06 14:15:05	Lander verloren	station end	51° 13,748' N	170° 07,503' W	7239.430	0.1	337.6	8.4	217.8
SO293_5-9		t	EBS	EBS		2022/08/05 07:48:21		station start	51° 10,114' N	170° 11,097' W	7236.590	0.2	350.3	9.9	33.8
SO293_5-9		t	EBS	EBS		2022/08/05 07:58:21		in the water	51° 10,168' N	170° 11,073' W	7236.620	0.9	348.1	8.3	14.8
SO293_5-9		t	EBS	EBS		2022/08/05 11:00:02	SL = 7760m; Beginn Auslegen rwK = 014°, v =	max depth/on ground	51° 13,061' N	170° 09,934' W	7237.820	1.0	324.6	9.6	8.6
SO293_5-9		t	EBS	EBS		2022/08/05 11:57:57	Ende Auslegen, SLmax = 9300m	information	51° 13,956' N	170° 09,597' W	7236.850	0.1	333.2	10.2	30.5
SO293_5-9		t	EBS	EBS		2022/08/05 11:58:52		hoisting	51° 13,956' N	170° 09,595' W	7238.720	0.1	325.1	11.2	67.8
SO293_5-9		t	EBS	EBS		2022/08/05 13:16:54	EBS frei vom Grund, SL: 7200m, maxSZ: 98,0k	hoisting	51° 13,956' N	170° 09,580' W	7236.080	0.1	313.8	10.1	341.9
SO293_5-9		t	EBS	EBS		2022/08/05 15:34:44		on deck	51° 13,949' N	170° 09,592' W	7238.480	0.2	350.1	11.6	160.4
SO293_5-9		t	EBS	EBS		2022/08/05 16:23:33		station end	51° 13,953' N	170° 09,576' W	7238.040	0.1	334.3	8.1	96.1
SO293_5-10		t	AGT	AGT		2022/08/06 02:29:57		station start	51° 11,619' N	170° 05,199' W	7241.470	0.3	336.4	10.6	56.9
SO293_5-10		t	AGT	AGT		2022/08/06 03:03:49		in the water	51° 11,607' N	170° 05,236' W	7242.420	0.5	320.1	6.6	302.0
SO293_5-10		t	AGT	AGT		2022/08/06 07:05:00	BoKo bei SL = 7735m	max depth/on ground	51° 13,097' N	170° 11,157' W	7238.680	1.0	353.3	11.0	293.3
SO293_5-10		t	AGT	AGT		2022/08/06 08:03:30	SLmax = 9500m	information	51° 13,459' N	170° 12,597' W	7237.510	1.0	322.6	7.9	290.6
SO293_5-10		t	AGT	AGT		2022/08/06 08:14:09	SZmax = 110,2kN	hoisting	51° 13,518' N	170° 12,845' W	7236.630	0.2	355.2	9.5	181.2
SO293_5-10		t	AGT	AGT		2022/08/06 13:07:33		on deck	51° 13,525' N	170° 12,839' W	7234.000	0.0	319.6	8.6	96.6
SO293_5-10		t	AGT	AGT		2022/08/06 13:16:08		station end	51° 13,523' N	170° 12,856' W	7237.110	0.1	331.4	7.2	258.0
SO293_6-1		t	CTD	CTD		2022/08/06 18:15:37	clean ship	station start	50° 41,905' N	169° 50,999' W	5326.720	0.3	335.0	6.9	58.9
SO293_6-1		t	CTD	CTD		2022/08/06 18:18:39	EL 1	in the water	50° 41,906' N	169° 50,994' W	5341.330	0.1	334.2	6.4	238.8
SO293_6-1		t	CTD	CTD		2022/08/06 19:16:06	SLmax = 3000m	max depth/on ground	50° 41,904' N	169° 50,998' W	5336.790	0.0	332.6	4.9	86.8
SO293_6-1		t	CTD	CTD		2022/08/06 20:45:39		on deck	50° 41,911' N	169° 50,993' W	5343.090	0.1	342.2	5.2	156.9
SO293_6-1		t	CTD	CTD		2022/08/06 20:48:34		station end	50° 41,909' N	169° 50,993' W	5335.690	0.1	337.5	4.1	146.7
SO293_6-2		t	EM122	EM122	Deep water multibeam	2022/08/06 21:37:37	rwk = 090°, v = 7,5kn	profile start	50° 46,723' N	169° 57,186' W	5517.160	7.7	332.0	7.1	89.0
SO293_6-2		t	EM122	EM122	Deep water multibeam	2022/08/06 22:34:45	rwk = 270°, d: 8,0sm	alter course	50° 46,721' N	169° 45,567' W	5415.930	7.8	330.0	9.1	91.1

SO293_6-2		t	EM122	EM122	Deep water multibeam		2022/08/07 00:01:36	rwk = 090°, d: 8,0sm	alter course	50° 43,514' N	169° 56,481' W	5376.410	7.5	324.7	9.0	269.2
SO293_6-2		t	EM122	EM122	Deep water multibeam		2022/08/07 01:29:15	rwk: 270°, d: 8,0sm	alter course	50° 40,182' N	169° 44,989' W	5257.020	7.6	290.9	4.6	134.6
SO293_6-2		t	EM122	EM122	Deep water multibeam		2022/08/07 02:58:51		profile end	50° 37,076' N	169° 57,468' W	5410.210	8.0	331.3	7.6	273.5
SO293_6-3		t	MSN	MSN	Multinet with fine, f		2022/08/07 03:50:14		station start	50° 41,836' N	169° 51,078' W	5332.600	0.4	340.2	6.5	190.3
SO293_6-3		t	MSN	MSN	Multinet with fine, f		2022/08/07 03:56:21		in the water	50° 41,837' N	169° 51,078' W	5336.080	0.0	349.1	6.2	212.3
SO293_6-3		t	MSN	MSN	Multinet with fine, f		2022/08/07 04:44:58	SLmax = 1800m	max depth/on ground	50° 41,838' N	169° 51,092' W	5325.260	0.0	342.4	6.8	163.5
SO293_6-3		t	MSN	MSN	Multinet with fine, f		2022/08/07 05:39:17		on deck	50° 41,865' N	169° 51,244' W	5304.290	1.0	348.6	5.7	285.7
SO293_6-3		t	MSN	MSN	Multinet with fine, f		2022/08/07 05:40:05		station end	50° 41,868' N	169° 51,265' W	5309.980	1.1	342.5	6.3	286.3
SO293_6-4		t	EBS	EBS			2022/08/07 06:38:10		station start	50° 39,385' N	169° 44,018' W	5259.510	0.3	344.2	5.5	30.1
SO293_6-4		t	EBS	EBS			2022/08/07 06:49:25		in the water	50° 39,374' N	169° 44,101' W	5263.210	1.1	353.3	5.3	247.5
SO293_6-4		t	EBS	EBS			2022/08/07 08:56:22	SL = 5538m; Beginn Auslegen rwK = 250°, v =	max depth/on ground	50° 38,668' N	169° 47,161' W	5302.570	1.0	352.3	5.9	253.0
SO293_6-4		t	EBS	EBS			2022/08/07 09:50:06	Ende Auslegen, SLmax = 6900m	information	50° 38,368' N	169° 48,472' W	5325.040	0.2	347.8	6.0	258.6
SO293_6-4		t	EBS	EBS			2022/08/07 09:50:42	SZmax = 71,3kN	hoisting	50° 38,368' N	169° 48,472' W	5325.370	0.1	345.0	5.8	148.8
SO293_6-4		t	EBS	EBS			2022/08/07 10:48:51	frei vom Grund, SL = 5456m	information	50° 38,373' N	169° 48,474' W	5324.930	0.0	336.3	5.4	232.1
SO293_6-4		t	EBS	EBS			2022/08/07 13:41:49		on deck	50° 37,956' N	169° 48,095' W	5318.090	0.2	350.7	5.2	145.5
SO293_6-4		t	EBS	EBS			2022/08/07 13:51:02		station end	50° 37,930' N	169° 48,071' W	5315.190	0.0	356.4	4.7	101.2
SO293_6-5		t	BC	BC			2022/08/07 13:52:09		station start	50° 37,930' N	169° 48,071' W	5315.260	0.0	358.1	4.5	36.8
SO293_6-5		t	BC	BC			2022/08/07 14:02:44		in the water	50° 37,933' N	169° 48,074' W	5315.830	0.1	6.5	4.5	15.9
SO293_6-5		t	BC	BC			2022/08/07 15:47:08	Boko, maxSL: 5348m	max depth/on ground	50° 37,933' N	169° 48,070' W	5317.050	0.0	30.7	3.0	187.3
SO293_6-5		t	BC	BC			2022/08/07 15:49:10	Beg. hieven, maxSZ: 86,2kN	hoisting	50° 37,933' N	169° 48,072' W	5315.620	0.1	28.9	3.9	290.8
SO293_6-5		t	BC	BC			2022/08/07 17:45:33		on deck	50° 37,932' N	169° 48,072' W	5316.060	0.0	352.2	1.2	34.5
SO293_6-5		t	BC	BC			2022/08/07 17:46:45		station end	50° 37,933' N	169° 48,071' W	5316.240	0.0	1.3	1.4	30.5
SO293_6-6		t	MUC	MUC			2022/08/07 17:47:11		station start	50° 37,933' N	169° 48,071' W	5315.920	0.0	359.8	1.4	22.8
SO293_6-6		t	MUC	MUC			2022/08/07 18:02:24		in the water	50° 37,931' N	169° 48,074' W	5316.700	0.0	331.7	1.4	211.3
SO293_6-6		t	MUC	MUC			2022/08/07 19:39:18	SLmax = 5358m; SZmax = 83kN	max depth/on ground	50° 37,932' N	169° 48,078' W	5315.660	0.0	6.2	3.4	41.3
SO293_6-6		t	MUC	MUC			2022/08/07 21:30:29		on deck	50° 37,933' N	169° 48,071' W	5316.990	0.0	58.6	2.9	180.4
SO293_6-6		t	MUC	MUC			2022/08/07 21:46:18		station end	50° 37,931' N	169° 48,068' W	5317.270	0.0	61.8	2.6	148.1
SO293_6-7		t	MUC	MUC			2022/08/07 21:47:46		station start	50° 37,931' N	169° 48,068' W	5317.090	0.0	61.6	2.4	147.2
SO293_6-7		t	MUC	MUC			2022/08/07 21:50:15		in the water	50° 37,930' N	169° 48,067' W	5317.710	0.0	49.2	2.3	145.0
SO293_6-7		t	MUC	MUC			2022/08/07 23:36:51	SLmax = 5358m	max depth/on ground	50° 37,929' N	169° 48,079' W	5317.780	0.0	95.7	4.5	153.5
SO293_6-7		t	MUC	MUC			2022/08/07 23:39:11	SZmax = 85,2kN	hoisting	50° 37,928' N	169° 48,079' W	5317.420	0.1	87.9	3.5	188.3
SO293_6-7		t	MUC	MUC			2022/08/08 01:24:04		on deck	50° 37,931' N	169° 48,070' W	5319.830	0.0	82.1	2.4	168.9
SO293_6-7		t	MUC	MUC			2022/08/08 01:38:43		station end	50° 37,925' N	169° 48,022' W	5315.790	0.2	95.4	2.0	83.6
SO293_6-8		t	EBS	EBS			2022/08/08 02:03:32		station start	50° 39,344' N	169° 45,705' W	5260.830	0.4	60.0	0.6	326.8
SO293_6-8		t	EBS	EBS			2022/08/08 02:06:50		in the water	50° 39,341' N	169° 45,724' W	5262.510	0.5	49.7	1.7	252.2
SO293_6-8		t	EBS	EBS			2022/08/08 04:23:10	BoKo bei SL = 5630m; Beginn Auslegen rwK =	max depth/on ground	50° 38,553' N	169° 49,057' W	5327.110	1.0	94.1	1.7	249.0
SO293_6-8		t	EBS	EBS			2022/08/08 05:05:19	SLmax = 6900m	information	50° 38,314' N	169° 50,095' W	5330.800	1.0	116.4	3.9	252.4
SO293_6-8		t	EBS	EBS			2022/08/08 05:13:46		hoisting	50° 38,268' N	169° 50,287' W	5334.550	0.2	119.2	4.7	241.1
SO293_6-8		t	EBS	EBS			2022/08/08 06:04:51	frei vom Grund	information	50° 38,268' N	169° 50,289' W	5332.290	0.0	115.9	4.1	90.5
SO293_6-8		t	EBS	EBS			2022/08/08 07:54:55		on deck	50° 38,224' N	169° 50,472' W	5331.080	1.5	81.8	2.5	241.6
SO293_6-8		t	EBS	EBS			2022/08/08 08:10:14		station end	50° 38,195' N	169° 50,904' W	5329.510	0.8	69.0	3.0	273.0
SO293_6-9		t	AGT	AGT			2022/08/08 09:01:55		station start	50° 36,275' N	169° 53,177' W	5385.810	1.0	86.6	7.1	86.9
SO293_6-9		t	AGT	AGT			2022/08/08 09:03:45		in the water	50° 36,275' N	169° 53,142' W	5388.730	0.3	79.6	7.1	134.4
SO293_6-9		t	AGT	AGT			2022/08/08 12:37:57	Boko, SL: 5840m	max depth/on ground	50° 37,435' N	169° 47,888' W	5307.920	1.0	85.2	9.1	74.3
SO293_6-9		t	AGT	AGT			2022/08/08 13:16:36	maxSL: 6900m	max depth/on ground	50° 37,655' N	169° 46,938' W	5293.590	1.0	75.6	8.3	70.2
SO293_6-9		t	AGT	AGT			2022/08/08 13:26:49	Schiff aufgestoppt, Beg. hieven	hoisting	50° 37,708' N	169° 46,717' W	5271.430	0.1	76.1	9.0	207.0
SO293_6-9		t	AGT	AGT			2022/08/08 14:44:18	AGT frei vom Grund, SL: 5270m, maxSZ: 75,9k	information	50° 37,706' N	169° 46,717' W	5271.540	0.1	68.4	9.2	262.9
SO293_6-9		t	AGT	AGT			2022/08/08 16:48:16		on deck	50° 37,698' N	169° 46,713' W	5272.030	0.0	68.8	10.8	272.0
SO293_6-9		t	AGT	AGT			2022/08/08 17:14:31		station end	50° 37,712' N	169° 46,721' W	5271.790	0.1	75.7	9.7	152.5
SO293_6-10		t	OFOS	OFOS			2022/08/08 17:43:50		station start	50° 38,526' N	169° 49,238' W	5325.520	0.7	82.3	9.9	52.8
SO293_6-10		t	OFOS	OFOS			2022/08/08 18:12:12		in the water	50° 38,560' N	169° 49,172' W	5327.470	0.2	74.7	9.2	116.1
SO293_6-10		t	OFOS	OFOS			2022/08/08 18:14:53	Posidonia bei SL = 25m	information	50° 38,559' N	169° 49,172' W	5327.470	0.1	76.5	9.5	23.2

SO293_6-10		t	OFOS	OFOS			2022/08/08 20:22:44	Bosi, SL = 5328m	max depth/on ground	50° 38,567' N	169° 49,168' W	5327.550	0.0	149.0	5.9	340.7
SO293_6-10		t	OFOS	OFOS			2022/08/08 20:25:08	rwK = 021°, v = 0,6kn	profile start	50° 38,573' N	169° 49,165' W	5327.300	0.3	141.7	7.5	32.4
SO293_6-10		t	OFOS	OFOS			2022/08/08 22:56:42	rwK = 021°, v = 0,3kn	information	50° 39,976' N	169° 48,313' W	5234.570	0.6	151.4	8.1	24.1
SO293_6-10		t	OFOS	OFOS			2022/08/09 00:17:34	Schiff aufgestoppt	information	50° 40,356' N	169° 48,084' W	5254.910	0.1	153.5	6.9	48.7
SO293_6-10		t	OFOS	OFOS			2022/08/09 00:26:41	Beg. hieven, SL: 5275m, maxSZ: 56,5kN	hoisting	50° 40,356' N	169° 48,083' W	5255.320	0.2	147.2	8.8	173.7
SO293_6-10		t	OFOS	OFOS			2022/08/09 02:09:19		on deck	50° 40,356' N	169° 48,086' W	5256.420	0.0	154.5	6.0	289.3
SO293_6-10		t	OFOS	OFOS			2022/08/09 02:11:02		station end	50° 40,351' N	169° 48,081' W	5253.670	0.8	157.0	7.7	112.5
SO293_7-1		t	CTD	CTD			2022/08/09 08:57:28		station start	51° 31,950' N	168° 53,467' W	7211.640	0.7	217.6	10.3	119.7
SO293_7-1		t	CTD	CTD			2022/08/09 09:00:01		in the water	51° 31,938' N	168° 53,449' W	7211.270	0.2	221.9	11.1	210.9
SO293_7-1		t	CTD	CTD			2022/08/09 10:44:24	SLmax = 5900m	max depth/on ground	51° 31,890' N	168° 53,426' W	7211.840	0.1	246.1	5.4	281.7
SO293_7-1		t	CTD	CTD			2022/08/09 13:24:26		on deck	51° 31,890' N	168° 53,415' W	7209.180	0.1	202.5	6.0	152.8
SO293_7-1		t	CTD	CTD			2022/08/09 13:27:31		station end	51° 31,888' N	168° 53,408' W	7209.710	0.0	209.5	6.7	209.5
SO293_7-2		t	MSN	MSN	Multinet with fine,	f	2022/08/09 13:40:29		station start	51° 31,892' N	168° 53,407' W	7209.550	0.0	208.5	7.6	159.1
SO293_7-2		t	MSN	MSN	Multinet with fine,	f	2022/08/09 13:46:54		in the water	51° 31,888' N	168° 53,397' W	7210.240	0.1	221.1	10.4	193.6
SO293_7-2		t	MSN	MSN	Multinet with fine,	f	2022/08/09 16:10:30	SLmax = 5823m	max depth/on ground	51° 31,882' N	168° 53,419' W	7210.600	0.1	227.3	6.7	182.8
SO293_7-2		t	MSN	MSN	Multinet with fine,	f	2022/08/09 18:48:14		on deck	51° 31,892' N	168° 53,418' W	7210.210	0.1	356.6	5.6	297.0
SO293_7-2		t	MSN	MSN	Multinet with fine,	f	2022/08/09 18:48:52		station end	51° 31,891' N	168° 53,418' W	7210.620	0.1	359.7	5.6	195.0
SO293_7-3		t	EBS	EBS			2022/08/09 19:29:42		station start	51° 30,023' N	168° 49,288' W	7195.550	0.4	356.5	4.3	236.4
SO293_7-3		t	EBS	EBS			2022/08/09 19:33:51		in the water	51° 30,056' N	168° 49,333' W	7197.160	1.0	3.4	5.3	321.8
SO293_7-3		t	EBS	EBS			2022/08/09 22:33:17	SL = 7735m; Beginn Auslegen rwK = 315°	max depth/on ground	51° 32,172' N	168° 52,709' W	7210.850	1.0	1.5	6.8	315.2
SO293_7-3		t	EBS	EBS			2022/08/09 23:24:51	SLmax = 9300m	information	51° 32,779' N	168° 53,682' W	7215.010	1.0	30.1	12.2	313.6
SO293_7-3		t	EBS	EBS			2022/08/09 23:35:18		hoisting	51° 32,864' N	168° 53,829' W	7214.900	0.0	32.5	9.8	151.4
SO293_7-3		t	EBS	EBS			2022/08/10 00:50:26	EBS frei vom Grund, SL: 7210m, maxSZ: 102,1	hoisting	51° 32,868' N	168° 53,820' W	7215.860	0.3	343.5	10.5	234.4
SO293_7-3		t	EBS	EBS			2022/08/10 03:10:10		on deck	51° 32,860' N	168° 53,834' W	7215.820	0.2	345.6	13.2	338.1
SO293_7-3		t	EBS	EBS			2022/08/10 03:51:52		station end	51° 32,856' N	168° 53,833' W	7215.050	0.2	345.9	13.3	17.8
SO293_7-4		t	BC	BC			2022/08/10 04:12:33		station start	51° 31,744' N	168° 53,349' W	7209.540	4.1	342.1	16.7	295.8
SO293_7-4		t	BC	BC			2022/08/10 04:25:44		in the water	51° 31,865' N	168° 53,447' W	7211.040	0.2	343.2	13.2	74.7
SO293_7-4		t	BC	BC			2022/08/10 06:44:01	SLmax = 7258m, SZmax = 105kN	max depth/on ground	51° 31,893' N	168° 53,420' W	7212.150	0.1	344.9	15.9	249.2
SO293_7-4		t	BC	BC			2022/08/10 09:06:57		on deck	51° 31,888' N	168° 53,406' W	7212.130	0.3	334.9	16.2	138.6
SO293_7-4		t	BC	BC			2022/08/10 09:24:21		station end	51° 31,891' N	168° 53,402' W	7213.230	0.4	341.5	15.3	146.2
SO293_7-5		t	MUC	MUC			2022/08/10 09:30:02		station start	51° 31,891' N	168° 53,402' W	7210.900	0.2	339.2	17.2	273.9
SO293_7-5		t	MUC	MUC			2022/08/10 09:45:05		in the water	51° 31,892' N	168° 53,394' W	7211.750	0.1	344.1	16.9	236.3
SO293_7-5		t	MUC	MUC			2022/08/10 11:59:46	SLmax = 7272m	max depth/on ground	51° 31,887' N	168° 53,403' W	7211.730	0.2	342.5	16.1	321.0
SO293_7-5		t	MUC	MUC			2022/08/10 12:01:37	SZmax = 105,2kN	hoisting	51° 31,896' N	168° 53,407' W	7210.280	0.2	331.5	14.9	35.7
SO293_7-5		t	MUC	MUC			2022/08/10 15:08:53		on deck	51° 31,879' N	168° 53,429' W	7211.150	0.4	345.3	17.9	134.3
SO293_7-5		t	MUC	MUC			2022/08/10 15:37:46		station end	51° 31,866' N	168° 53,404' W	7207.150	0.2	337.0	18.1	26.5
SO293_7-6		t	MUC	MUC			2022/08/10 17:08:07		station start	51° 21,962' N	168° 56,613' W	6555.990	0.5	347.1	16.4	317.5
SO293_7-6		t	MUC	MUC			2022/08/10 17:21:18		in the water	51° 21,923' N	168° 56,612' W	6555.110	0.4	341.8	16.8	342.5
SO293_7-6		t	MUC	MUC			2022/08/10 19:23:54	SLmax = 6611m, SZmax = 98kN	max depth/on ground	51° 21,994' N	168° 56,571' W	6555.240	0.2	343.2	13.6	134.7
SO293_7-6		t	MUC	MUC			2022/08/10 21:39:48		on deck	51° 22,003' N	168° 56,565' W	6557.570	0.1	326.5	8.4	281.0
SO293_7-6		t	MUC	MUC			2022/08/10 21:49:09		station end	51° 22,012' N	168° 56,488' W	6556.510	1.0	322.9	10.7	108.9
SO293_7-7		t	MUC	MUC			2022/08/10 21:59:29		station start	51° 21,997' N	168° 56,469' W	6555.660	0.3	318.9	15.0	4.8
SO293_7-7		t	MUC	MUC			2022/08/10 22:00:20		in the water	51° 22,009' N	168° 56,478' W	6557.210	1.0	316.2	16.7	317.4
SO293_7-7		t	MUC	MUC			2022/08/11 00:01:59	SLmax = 6613m	max depth/on ground	51° 22,000' N	168° 56,575' W	6557.360	0.2	315.5	8.5	156.9
SO293_7-7		t	MUC	MUC			2022/08/11 00:03:12	SZmax = 89,1kN	hoisting	51° 22,001' N	168° 56,578' W	6553.320	0.2	301.6	8.1	345.4
SO293_7-7		t	MUC	MUC			2022/08/11 02:13:44		on deck	51° 21,993' N	168° 56,572' W	6556.080	0.1	338.6	10.6	21.5
SO293_7-7		t	MUC	MUC			2022/08/11 02:14:57		station end	51° 21,996' N	168° 56,578' W	6555.070	0.3	338.6	11.3	298.4
SO293_7-8		t	EBS	EBS			2022/08/11 03:07:45		station start	51° 20,723' N	168° 52,801' W	6372.600	0.7	323.4	9.7	284.0
SO293_7-8		t	EBS	EBS			2022/08/11 03:12:41		in the water	51° 20,735' N	168° 52,875' W	6369.020	0.7	331.3	10.5	284.8
SO293_7-8		t	EBS	EBS			2022/08/11 05:59:49	BoKo bei SL = 7013m; Beginn Auslegen rwK =	max depth/on ground	51° 21,520' N	168° 57,022' W	6540.440	1.1	332.1	10.8	277.7
SO293_7-8		t	EBS	EBS			2022/08/11 06:57:47	SLmax = 8700m	information	51° 21,798' N	168° 58,494' W	6590.010	1.0	328.1	9.4	281.1
SO293_7-8		t	EBS	EBS			2022/08/11 07:06:38		hoisting	51° 21,835' N	168° 58,693' W	6599.810	0.1	316.9	9.2	266.0

SO293_7-8		t	EBS	EBS			2022/08/11 08:16:51	frei vom Grund, SZmax = 100,6kN	information	51° 21,831' N	168° 58,692' W	6594.820	0.0	337.9	10.5	330.2
SO293_7-8		t	EBS	EBS			2022/08/11 10:47:30		on deck	51° 21,834' N	168° 58,687' W	6598.360	0.1	328.6	9.5	210.9
SO293_7-8		t	EBS	EBS			2022/08/11 11:03:23		station end	51° 21,769' N	168° 58,387' W	6589.140	1.4	334.3	8.2	146.3
SO293_7-9		t	BC	BC			2022/08/11 11:22:38		station start	51° 21,918' N	168° 56,613' W	6561.130	0.6	332.3	8.1	67.8
SO293_7-9		t	BC	BC			2022/08/11 11:28:30		in the water	51° 21,915' N	168° 56,596' W	6551.100	0.2	326.1	7.4	84.6
SO293_7-9		t	BC	BC			2022/08/11 13:32:25	Boko, maxSL: 6594m	max depth/on ground	51° 21,986' N	168° 56,583' W	6554.330	0.1	306.5	8.1	47.1
SO293_7-9		t	BC	BC			2022/08/11 13:35:08	Beg. hieven, maxSZ: 92,9kN	hoisting	51° 21,988' N	168° 56,581' W	6556.650	0.1	307.2	8.1	68.5
SO293_7-9		t	BC	BC			2022/08/11 16:06:14		on deck	51° 21,981' N	168° 56,582' W	6555.710	0.1	314.4	7.7	184.7
SO293_7-9		t	BC	BC			2022/08/11 16:15:25		station end	51° 21,981' N	168° 56,591' W	6554.900	0.1	314.9	7.4	132.8
SO293_7-10		t	AGT	AGT			2022/08/11 16:51:06		station start	51° 21,191' N	168° 52,273' W	6411.800	0.6	330.0	10.5	187.9
SO293_7-10		t	AGT	AGT			2022/08/11 17:02:09		in the water	51° 21,202' N	168° 52,360' W	6412.250	1.0	308.1	8.2	288.3
SO293_7-10		t	AGT	AGT			2022/08/11 21:17:41	SL = 7502m; Beginn Auslegen rwK = 287°	max depth/on ground	51° 22,451' N	168° 58,856' W	6614.920	1.0	305.9	7.7	287.7
SO293_7-10		t	AGT	AGT			2022/08/11 21:57:33	SLmax = 8600m	information	51° 22,645' N	168° 59,868' W	6615.880	1.0	303.1	7.9	286.1
SO293_7-10		t	AGT	AGT			2022/08/11 22:04:59	Schiff aufgestoppt	information	51° 22,680' N	169° 00,043' W	6613.180	0.1	301.1	8.9	46.0
SO293_7-10		t	AGT	AGT			2022/08/11 22:05:12	SZmax = 87,7kN	hoisting	51° 22,680' N	169° 00,042' W	6613.180	0.2	300.9	9.5	79.3
SO293_7-10		t	AGT	AGT			2022/08/12 01:27:16		on deck	51° 22,677' N	169° 00,046' W	6614.440	0.1	297.0	7.1	100.2
SO293_7-10		t	AGT	AGT			2022/08/12 01:34:42		station end	51° 22,676' N	169° 00,048' W	6614.180	0.0	288.2	6.6	275.0
SO293_8-1		t	CTD	CTD			2022/08/12 11:24:18	Clean Ship aktiv	station start	52° 19,956' N	167° 02,501' W	4384.140	0.1	259.4	9.6	336.2
SO293_8-1		t	CTD	CTD			2022/08/12 11:25:24		in the water	52° 19,955' N	167° 02,499' W	4304.030	0.2	273.1	8.5	134.3
SO293_8-1		t	CTD	CTD			2022/08/12 12:48:18	auf Tiefe, maxSL: 4393m	max depth/on ground	52° 19,959' N	167° 02,516' W	4380.090	0.0	276.6	13.0	70.2
SO293_8-1		t	CTD	CTD			2022/08/12 12:51:42	Beg. hieven	hoisting	52° 19,960' N	167° 02,522' W	4364.380	0.1	288.8	12.8	257.3
SO293_8-1		t	CTD	CTD			2022/08/12 14:44:01		on deck	52° 19,965' N	167° 02,528' W	4392.560	0.1	269.5	10.7	13.1
SO293_8-1		t	CTD	CTD			2022/08/12 14:46:31		station end	52° 19,967' N	167° 02,528' W	4391.680	0.1	271.4	9.1	295.0
SO293_8-2		t	EM122	EM122	Deep water multibeam		2022/08/12 15:36:15	rwk: 090°, d: 8sm	profile start	52° 23,799' N	167° 09,095' W	4411.280	8.1	273.5	9.1	96.6
SO293_8-2		t	EM122	EM122	Deep water multibeam		2022/08/12 17:01:11	rwk = 270°, d = 8,0sm	alter course	52° 21,275' N	166° 56,665' W	4355.270	7.1	283.1	11.8	262.8
SO293_8-2		t	EM122	EM122	Deep water multibeam		2022/08/12 18:21:24	rwk = 090°, d = 8,0sm	alter course	52° 18,728' N	167° 08,474' W	4576.780	7.6	281.6	6.2	100.5
SO293_8-2		t	EM122	EM122	Deep water multibeam		2022/08/12 19:44:17	rwk = 270°, d = 8,0sm	alter course	52° 16,138' N	166° 56,852' W	4837.460	7.1	300.0	8.4	269.8
SO293_8-2		t	EM122	EM122	Deep water multibeam		2022/08/12 20:44:01		profile end	52° 16,115' N	167° 09,033' W	4639.120	7.4	276.6	8.5	270.0
SO293_8-3		t	MSN	MSN	Multinet with fine,	f	2022/08/12 21:38:46	Clean Ship aktiv	station start	52° 19,945' N	167° 02,497' W	4382.080	0.3	277.6	7.9	334.7
SO293_8-3		t	MSN	MSN	Multinet with fine,	f	2022/08/12 21:42:46		in the water	52° 19,949' N	167° 02,488' W	4384.340	0.1	280.2	7.7	298.6
SO293_8-3		t	MSN	MSN	Multinet with fine,	f	2022/08/12 23:24:58	SL = 3932m	max depth/on ground	52° 19,956' N	167° 02,544' W	4383.630	0.1	271.9	6.3	7.8
SO293_8-3		t	MSN	MSN	Multinet with fine,	f	2022/08/12 23:25:20		hoisting	52° 19,957' N	167° 02,544' W	4306.660	0.1	269.7	7.8	25.9
SO293_8-3		t	MSN	MSN	Multinet with fine,	f	2022/08/13 01:12:16		on deck	52° 19,963' N	167° 02,540' W	4390.760	0.1	263.3	7.7	64.1
SO293_8-3		t	MSN	MSN	Multinet with fine,	f	2022/08/13 01:13:35		station end	52° 19,965' N	167° 02,539' W	4390.610	0.2	260.9	7.5	334.1
SO293_8-4		t	EBS	EBS			2022/08/13 01:50:30		station start	52° 22,374' N	167° 01,926' W	4539.140	0.9	252.2	6.2	275.5
SO293_8-4		t	EBS	EBS			2022/08/13 01:52:43	SPW 1/FW1	in the water	52° 22,375' N	167° 01,985' W	4539.740	1.0	258.8	6.2	259.3
SO293_8-4		t	EBS	EBS			2022/08/13 03:47:20	Boko, SL: 4860m	max depth/on ground	52° 22,086' N	167° 05,065' W	4610.260	1.0	246.0	5.4	264.7
SO293_8-4		t	EBS	EBS			2022/08/13 04:31:22	SLmax = 6100m	information	52° 21,974' N	167° 06,248' W	4607.340	1.0	237.0	6.0	261.1
SO293_8-4		t	EBS	EBS			2022/08/13 04:40:24		hoisting	52° 21,957' N	167° 06,452' W	4607.130	0.1	235.8	6.0	75.1
SO293_8-4		t	EBS	EBS			2022/08/13 05:29:36	frei vom Grund, SZmax = 61kN	information	52° 21,957' N	167° 06,450' W	4609.510	0.0	254.5	4.6	258.4
SO293_8-4		t	EBS	EBS			2022/08/13 06:58:49		on deck	52° 21,961' N	167° 06,448' W	4606.320	0.0	227.1	6.5	92.0
SO293_8-4		t	EBS	EBS			2022/08/13 07:18:59		station end	52° 21,962' N	167° 06,436' W	4608.890	0.1	235.4	6.2	231.8
SO293_8-5		t	BC	BC			2022/08/13 07:31:25		station start	52° 21,981' N	167° 05,261' W	4611.750	1.0	235.0	6.9	162.6
SO293_8-5		t	BC	BC			2022/08/13 07:37:24		in the water	52° 21,957' N	167° 05,258' W	4610.560	0.1	231.0	6.4	209.2
SO293_8-5		t	BC	BC			2022/08/13 09:07:21	SLmax = 4643m	max depth/on ground	52° 21,964' N	167° 05,251' W	4609.320	0.1	245.4	7.3	108.0
SO293_8-5		t	BC	BC			2022/08/13 09:08:40	SZmax = 62,3kN	hoisting	52° 21,963' N	167° 05,249' W	4612.240	0.1	247.9	6.5	90.0
SO293_8-5		t	BC	BC			2022/08/13 10:37:35		on deck	52° 21,967' N	167° 05,257' W	4612.360	0.1	242.3	8.0	16.2
SO293_8-5		t	BC	BC			2022/08/13 10:42:09		station end	52° 21,966' N	167° 05,257' W	4613.570	0.4	243.9	7.9	185.1
SO293_8-6		t	MUC	MUC			2022/08/13 10:51:35		station start	52° 21,982' N	167° 05,280' W	4612.540	0.0	244.3	7.4	76.2
SO293_8-6		t	MUC	MUC			2022/08/13 11:06:51		in the water	52° 21,974' N	167° 05,272' W	4611.930	0.1	251.4	8.8	111.7
SO293_8-6		t	MUC	MUC			2022/08/13 12:33:10	Boko, maxSL: 4646m	max depth/on ground	52° 21,969' N	167° 05,278' W	4610.140	0.0	245.3	5.8	22.4
SO293_8-6		t	MUC	MUC			2022/08/13 12:34:42	Beg. hieven, maxSZ: 73,3kN	hoisting	52° 21,969' N	167° 05,278' W	4610.980	0.0	244.7	5.8	14.3

SO293_8-6		t	MUC	MUC			2022/08/13 14:00:40		on deck	52° 21,983' N	167° 05,282' W	4611.950	0.0	239.1	7.7	129.7
SO293_8-6		t	MUC	MUC			2022/08/13 14:05:08		station end	52° 21,981' N	167° 05,280' W	4611.010	0.0	236.3	8.0	164.3
SO293_8-7		t	MUC	MUC			2022/08/13 14:09:32		station start	52° 21,978' N	167° 05,280' W	4611.700	0.1	246.1	8.5	240.2
SO293_8-7		t	MUC	MUC			2022/08/13 14:16:37		in the water	52° 21,975' N	167° 05,281' W	4613.280	0.1	247.2	8.7	151.0
SO293_8-7		t	MUC	MUC			2022/08/13 15:43:36	Boko, maxSL: 4649m	max depth/on ground	52° 21,971' N	167° 05,283' W	4612.340	0.1	279.3	9.6	231.1
SO293_8-7		t	MUC	MUC			2022/08/13 15:45:11	Beg. hieven, maxSZ: 73,0kN	hoisting	52° 21,971' N	167° 05,284' W	4611.220	0.1	275.2	8.7	288.3
SO293_8-7		t	MUC	MUC			2022/08/13 17:13:28		on deck	52° 21,970' N	167° 05,273' W	4610.730	0.2	287.8	8.3	193.4
SO293_8-7		t	MUC	MUC			2022/08/13 17:33:06		station end	52° 21,982' N	167° 05,275' W	4610.610	0.1	282.3	10.0	345.2
SO293_8-8		t	EBS	EBS			2022/08/13 18:01:02		station start	52° 22,382' N	167° 02,002' W	4536.700	0.7	305.1	12.5	210.4
SO293_8-8		t	EBS	EBS			2022/08/13 18:04:05		in the water	52° 22,379' N	167° 02,048' W	4542.510	1.2	293.5	11.2	274.3
SO293_8-8		t	EBS	EBS			2022/08/13 20:05:51	SL = 4996m, Beginn Auslegen rwK = 270°	max depth/on ground	52° 22,374' N	167° 05,359' W	4614.520	1.0	305.5	10.2	272.0
SO293_8-8		t	EBS	EBS			2022/08/13 20:46:07	SLmax = 6100m	information	52° 22,372' N	167° 06,453' W	4597.530	1.0	310.7	11.0	268.0
SO293_8-8		t	EBS	EBS			2022/08/13 20:53:58	Schiff aufgestoppt SZmax = 63,4kN	hoisting	52° 22,372' N	167° 06,634' W	4588.940	0.0	318.7	10.6	259.9
SO293_8-8		t	EBS	EBS			2022/08/13 21:36:21	frei vom Grund SL = 4868m	information	52° 22,372' N	167° 06,642' W	4585.860	0.0	320.7	9.8	295.8
SO293_8-8		t	EBS	EBS			2022/08/13 23:13:38		on deck	52° 22,379' N	167° 06,638' W	4586.290	0.1	313.8	7.4	7.8
SO293_8-8		t	EBS	EBS			2022/08/13 23:30:23		station end	52° 22,376' N	167° 06,628' W	4587.340	0.0	325.1	7.4	162.2
SO293_8-9		t	AGT	AGT			2022/08/14 00:05:50		station start	52° 21,966' N	167° 01,976' W	4558.560	0.9	314.0	7.9	17.8
SO293_8-9		t	AGT	AGT			2022/08/14 00:09:43		in the water	52° 22,010' N	167° 02,011' W	4558.250	0.6	310.7	7.5	286.4
SO293_8-9		t	AGT	AGT			2022/08/14 02:57:13	Boko, SL: 4920m, Beg. auslegen	max depth/on ground	52° 22,749' N	167° 06,369' W	4580.490	1.0	325.0	5.8	288.3
SO293_8-9		t	AGT	AGT			2022/08/14 03:32:48	Auf max Tiefe, SL: 5960m	max depth/on ground	52° 22,900' N	167° 07,295' W	4509.260	1.1	331.0	6.1	280.8
SO293_8-9		t	AGT	AGT			2022/08/14 03:40:10	Beg. hieven	hoisting	52° 22,929' N	167° 07,473' W	4487.680	0.2	339.0	7.0	339.7
SO293_8-9		t	AGT	AGT			2022/08/14 04:21:13	frei vom Grund, SZmax = 66kN	information	52° 22,921' N	167° 07,474' W	4483.410	0.1	333.5	9.0	277.3
SO293_8-9		t	AGT	AGT			2022/08/14 04:06:27		on deck	52° 22,925' N	167° 07,473' W	4483.230	0.1	351.0	11.0	301.3
SO293_8-9		t	AGT	AGT			2022/08/14 04:06:53		station end	52° 22,925' N	167° 07,473' W	4485.460	0.0	349.7	10.5	2.2
SO293_8-10		t	OFOS	OFOS			2022/08/14 06:36:16		station start	52° 21,884' N	167° 05,030' W	4606.350	0.7	356.4	10.3	11.0
SO293_8-10		t	OFOS	OFOS			2022/08/14 06:54:38		in the water	52° 21,964' N	167° 05,062' W	4609.650	0.1	1.3	11.9	161.7
SO293_8-10		t	OFOS	OFOS			2022/08/14 06:57:35	Posidonia bei SL = 25m	information	52° 21,962' N	167° 05,061' W	4608.540	0.1	2.7	11.2	0.2
SO293_8-10		t	OFOS	OFOS			2022/08/14 08:58:17	Bodensicht bei SL = 4623m	information	52° 21,956' N	167° 05,054' W	4609.010	0.1	3.8	8.4	167.6
SO293_8-10		t	OFOS	OFOS			2022/08/14 09:00:41	rwK = 262°, v = 0,3kn	profile start	52° 21,955' N	167° 05,050' W	4609.730	0.1	349.6	8.5	18.7
SO293_8-10		t	OFOS	OFOS			2022/08/14 10:01:50	rwK = 021°, v = 0,5kn	information	52° 21,916' N	167° 05,555' W	4613.000	0.4	356.0	6.9	259.2
SO293_8-10		t	OFOS	OFOS			2022/08/14 11:05:37	Schiff aufgestoppt	information	52° 21,842' N	167° 06,389' W	4608.530	0.1	7.9	8.0	300.0
SO293_8-10		t	OFOS	OFOS			2022/08/14 11:30:53		profile end	52° 21,846' N	167° 06,373' W	4608.530	0.0	5.9	6.8	9.4
SO293_8-10		t	OFOS	OFOS			2022/08/14 11:31:13		hoisting	52° 21,846' N	167° 06,373' W	4607.970	0.1	3.3	6.8	304.9
SO293_8-10		t	OFOS	OFOS			2022/08/14 13:00:22		on deck	52° 21,846' N	167° 06,383' W	4609.530	0.1	352.2	7.6	44.4
SO293_8-10		t	OFOS	OFOS			2022/08/14 13:08:37		station end	52° 21,793' N	167° 06,404' W	4609.330	1.0	352.8	8.4	177.2
SO293_9-1		t	CTD	CTD			2022/08/14 15:33:31		station start	52° 03,952' N	166° 47,989' W	7136.110	0.8	316.3	7.6	29.3
SO293_9-1		t	CTD	CTD			2022/08/14 15:35:22		in the water	52° 03,953' N	166° 47,984' W	7208.290	0.1	316.7	8.9	160.1
SO293_9-1		t	CTD	CTD			2022/08/14 17:21:33	SLmax = 5900m	max depth/on ground	52° 03,921' N	166° 48,008' W	7134.790	0.0	318.4	7.9	182.8
SO293_9-1		t	CTD	CTD			2022/08/14 19:50:57		on deck	52° 03,924' N	166° 48,023' W	7135.050	0.0	4.5	7.3	328.3
SO293_9-1		t	CTD	CTD			2022/08/14 19:54:29		station end	52° 03,924' N	166° 48,024' W	7137.340	0.0	4.1	7.2	132.5
SO293_9-2		t	MSN	MSN	Multinet with fine,	f	2022/08/14 19:54:47		station start	52° 03,924' N	166° 48,023' W	7135.790	0.0	9.0	7.3	146.6
SO293_9-2		t	MSN	MSN	Multinet with fine,	f	2022/08/14 20:09:02		in the water	52° 03,919' N	166° 48,017' W	7139.600	0.1	4.9	8.6	199.9
SO293_9-2		t	MSN	MSN	Multinet with fine,	f	2022/08/14 22:35:15	SL = 5840m	max depth/on ground	52° 03,921' N	166° 48,028' W	7135.820	0.1	337.6	5.8	351.6
SO293_9-2		t	MSN	MSN	Multinet with fine,	f	2022/08/14 22:35:21		hoisting	52° 03,921' N	166° 48,028' W	7136.830	0.1	330.2	5.6	30.9
SO293_9-2		t	MSN	MSN	Multinet with fine,	f	2022/08/15 01:06:48		on deck	52° 03,923' N	166° 48,006' W	7137.200	0.2	294.0	9.0	283.9
SO293_9-2		t	MSN	MSN	Multinet with fine,	f	2022/08/15 01:08:48		station end	52° 03,924' N	166° 48,007' W	7136.510	0.4	297.9	10.0	67.5
SO293_9-3		t	EBS	EBS			2022/08/15 01:49:44		station start	52° 00,591' N	166° 45,863' W	7011.650	0.5	310.5	9.5	334.4
SO293_9-3		t	EBS	EBS			2022/08/15 01:51:33		in the water	52° 00,611' N	166° 45,883' W	7010.570	0.8	307.8	8.2	340.6
SO293_9-3		t	EBS	EBS			2022/08/15 04:50:49	BKo bei SL = 7635m; Beginn Auslegen rwK = 3	max depth/on ground	52° 03,195' N	166° 48,293' W	7127.660	1.0	349.0	10.6	331.5
SO293_9-3		t	EBS	EBS			2022/08/15 05:39:37	SLmax = 9100m	information	52° 03,899' N	166° 48,950' W	7138.170	1.0	356.4	11.2	331.6
SO293_9-3		t	EBS	EBS			2022/08/15 05:50:44		hoisting	52° 04,017' N	166° 49,057' W	7142.180	0.2	357.6	11.0	125.2
SO293_9-3		t	EBS	EBS			2022/08/15 06:38:03	frei vom Grund, SZmax = 102kN	information	52° 04,024' N	166° 49,069' W	7140.820	0.1	354.8	9.0	38.3

SO293_9-3		t	EBS	EBS			2022/08/15 09:04:55		on deck	52° 04,020' N	166° 49,051' W	7145.050	0.4	350.9	10.8	72.4
SO293_9-3		t	EBS	EBS			2022/08/15 09:21:12		station end	52° 03,919' N	166° 48,452' W	7138.120	1.7	345.5	10.0	87.0
SO293_9-4		t	BC	BC			2022/08/15 09:32:28		station start	52° 03,919' N	166° 48,013' W	7136.260	0.2	342.6	10.9	31.8
SO293_9-4		t	BC	BC			2022/08/15 09:35:14		in the water	52° 03,917' N	166° 48,019' W	7136.480	0.1	338.0	9.4	225.6
SO293_9-4		t	BC	BC			2022/08/15 11:40:18	SLmax = 7138m	max depth/on ground	52° 03,920' N	166° 48,034' W	7139.230	0.3	345.3	12.9	251.6
SO293_9-4		t	BC	BC			2022/08/15 11:41:28	SZmax = 96kN	hoisting	52° 03,915' N	166° 48,038' W	7315.490	0.0	351.7	9.7	250.5
SO293_9-4		t	BC	BC			2022/08/15 13:54:14		on deck	52° 03,910' N	166° 48,017' W	7135.920	0.1	346.5	11.6	46.8
SO293_9-4		t	BC	BC			2022/08/15 13:55:02		station end	52° 03,913' N	166° 48,015' W	7136.480	0.2	338.1	13.0	9.8
SO293_9-5		t	MUC	MUC			2022/08/15 14:19:15		station start	52° 03,916' N	166° 48,001' W	7136.400	0.1	339.0	14.5	236.4
SO293_9-5		t	MUC	MUC			2022/08/15 14:20:40		in the water	52° 03,920' N	166° 48,003' W	7136.630	0.1	336.7	12.5	266.4
SO293_9-5		t	MUC	MUC			2022/08/15 16:29:49	SLmax = 7186m	max depth/on ground	52° 03,913' N	166° 48,041' W	7137.020	0.1	352.7	10.5	235.6
SO293_9-5		t	MUC	MUC			2022/08/15 16:30:59	SZmax = 102kN	hoisting	52° 03,915' N	166° 48,041' W	7136.290	0.2	344.1	14.5	347.4
SO293_9-5		t	MUC	MUC			2022/08/15 18:46:17		on deck	52° 03,915' N	166° 48,002' W	7135.710	0.0	340.6	9.8	65.9
SO293_9-5		t	MUC	MUC			2022/08/15 18:59:09		station end	52° 03,910' N	166° 48,027' W	7136.110	0.0	342.9	10.5	72.4
SO293_9-6		t	MUC	MUC			2022/08/15 18:59:29		station start	52° 03,911' N	166° 48,027' W	7135.880	0.1	354.5	8.5	2.0
SO293_9-6		t	MUC	MUC			2022/08/15 19:03:31		in the water	52° 03,917' N	166° 48,024' W	7138.080	0.1	352.5	10.5	54.7
SO293_9-6		t	MUC	MUC			2022/08/15 21:13:25	SLmax = 7137m	max depth/on ground	52° 03,912' N	166° 48,031' W	7136.720	0.1	345.9	7.7	120.7
SO293_9-6		t	MUC	MUC			2022/08/15 21:14:35	SZmax = 101,9kN	hoisting	52° 03,913' N	166° 48,030' W	7133.950	0.1	345.3	8.9	68.6
SO293_9-6		t	MUC	MUC			2022/08/15 23:33:13		on deck	52° 03,920' N	166° 48,025' W	7138.040	0.1	326.6	9.4	353.0
SO293_9-6		t	MUC	MUC			2022/08/15 23:50:00		station end	52° 03,918' N	166° 48,010' W	7230.610	0.3	331.3	8.6	89.3
SO293_9-7		t	BC	BC			2022/08/16 00:52:37		station start	52° 09,070' N	166° 57,525' W	6469.770	0.8	344.2	9.7	357.4
SO293_9-7		t	BC	BC			2022/08/16 00:54:40		in the water	52° 09,072' N	166° 57,519' W	6469.450	0.2	336.1	10.2	19.6
SO293_9-7		t	BC	BC			2022/08/16 02:48:58	Boko, maxSL: 6509m	max depth/on ground	52° 09,088' N	166° 57,507' W	6466.890	0.1	330.7	9.7	292.0
SO293_9-7		t	BC	BC			2022/08/16 02:50:29	Beg. hieven, maxSZ: 87,5kN	hoisting	52° 09,089' N	166° 57,513' W	6469.820	0.1	321.8	10.3	326.2
SO293_9-7		t	BC	BC			2022/08/16 04:52:23		on deck	52° 09,089' N	166° 57,506' W	6473.350	0.1	327.7	6.1	17.5
SO293_9-7		t	BC	BC			2022/08/16 05:02:37		station end	52° 09,088' N	166° 57,501' W	6471.950	0.1	341.9	8.1	236.7
SO293_9-8		t	EBS	EBS			2022/08/16 05:38:25		station start	52° 08,121' N	166° 53,316' W	6540.640	1.6	327.9	8.9	341.0
SO293_9-8		t	EBS	EBS			2022/08/16 05:45:44		in the water	52° 08,162' N	166° 53,367' W	6503.880	0.7	338.3	6.0	303.1
SO293_9-8		t	EBS	EBS			2022/08/16 08:32:02	SL = 6857m; Beginn Auslegen rwK = 290°	max depth/on ground	52° 09,109' N	166° 57,594' W	6474.510	1.0	354.4	8.7	289.8
SO293_9-8		t	EBS	EBS			2022/08/16 09:20:17	SLmax = 8200m	information	52° 09,384' N	166° 58,821' W	6504.820	1.0	343.7	7.6	286.2
SO293_9-8		t	EBS	EBS			2022/08/16 09:28:40	Ende Auslage	hoisting	52° 09,425' N	166° 59,006' W	6493.680	0.2	342.1	8.1	158.7
SO293_9-8		t	EBS	EBS			2022/08/16 10:16:56	frei vom Grund, SZmax = 84,8kN	information	52° 09,426' N	166° 59,001' W	6491.310	0.0	310.2	5.4	327.7
SO293_9-8		t	EBS	EBS			2022/08/16 12:27:14		on deck	52° 09,432' N	166° 59,012' W	6486.360	0.1	260.0	3.1	80.9
SO293_9-8		t	EBS	EBS			2022/08/16 12:49:54		station end	52° 09,435' N	166° 59,011' W	6483.260	0.1	247.1	4.7	266.3
SO293_9-9		t	MUC	MUC			2022/08/16 13:13:54		station start	52° 09,088' N	166° 57,531' W	6469.400	0.9	224.3	6.6	321.8
SO293_9-9		t	MUC	MUC			2022/08/16 13:16:05		in the water	52° 09,090' N	166° 57,529' W	6473.190	0.2	229.2	5.5	98.9
SO293_9-9		t	MUC	MUC			2022/08/16 15:12:12	Boko, maxSL: 6515m	max depth/on ground	52° 09,092' N	166° 57,524' W	6474.510	0.1	261.5	7.1	229.3
SO293_9-9		t	MUC	MUC			2022/08/16 15:14:01	Beg. hieven maxSZ: 93,0kN	hoisting	52° 09,088' N	166° 57,525' W	6535.690	0.1	255.8	8.6	128.4
SO293_9-9		t	MUC	MUC			2022/08/16 17:15:20		on deck	52° 09,097' N	166° 57,506' W	6469.500	0.1	239.1	8.9	55.2
SO293_9-9		t	MUC	MUC			2022/08/16 17:28:47		station end	52° 09,092' N	166° 57,521' W	6472.100	0.1	229.8	8.3	41.2
SO293_9-10		t	MUC	MUC			2022/08/16 17:29:05		station start	52° 09,093' N	166° 57,521' W	6474.530	0.1	229.6	7.8	33.4
SO293_9-10		t	MUC	MUC			2022/08/16 17:32:58		in the water	52° 09,096' N	166° 57,522' W	6470.620	0.0	242.8	9.6	324.2
SO293_9-10		t	MUC	MUC			2022/08/16 19:31:02	SLmax = 6513m	max depth/on ground	52° 09,102' N	166° 57,520' W	6469.210	0.1	234.7	6.5	106.5
SO293_9-10		t	MUC	MUC			2022/08/16 19:32:42	SZmax = 94kN	hoisting	52° 09,101' N	166° 57,518' W	6470.220	0.1	244.0	7.9	110.5
SO293_9-10		t	MUC	MUC			2022/08/16 21:34:55		on deck	52° 09,102' N	166° 57,512' W	6470.840	0.0	201.8	9.8	53.3
SO293_9-10		t	MUC	MUC			2022/08/16 21:40:41		station end	52° 09,097' N	166° 57,515' W	6470.940	0.1	203.8	7.2	145.2
SO293_9-11		t	BC	BC			2022/08/16 23:21:56		station start	51° 54,544' N	166° 51,822' W	6500.400	0.4	191.0	10.3	106.3
SO293_9-11		t	BC	BC			2022/08/16 23:24:46		in the water	51° 54,543' N	166° 51,810' W	6498.810	0.2	187.9	9.8	88.3
SO293_9-11		t	BC	BC			2022/08/17 01:26:40	Boko, maxSL: 6541m	max depth/on ground	51° 54,493' N	166° 51,841' W	6497.760	0.0	188.7	11.3	175.8
SO293_9-11		t	BC	BC			2022/08/17 01:28:27	Beg. hieven, maxSZ: 91,4kN	hoisting	51° 54,493' N	166° 51,842' W	6498.970	0.1	184.6	10.1	250.3
SO293_9-11		t	BC	BC			2022/08/17 03:30:33		on deck	51° 54,498' N	166° 51,838' W	6501.200	0.1	149.1	11.7	151.4
SO293_9-11		t	BC	BC			2022/08/17 03:34:35		station end	51° 54,491' N	166° 51,843' W	6496.870	0.1	145.0	13.5	282.5

SO293_9-12		t	EBS	EBS			2022/08/17 04:26:12		station start	51° 56,837' N	166° 54,947' W	6956.630	0.3	137.7	11.8	220.1
SO293_9-12		t	EBS	EBS			2022/08/17 04:27:52		in the water	51° 56,827' N	166° 54,946' W	6921.080	0.7	156.4	10.7	163.9
SO293_9-12		t	EBS	EBS			2022/08/17 07:08:34	BoKo bei SL = 6930m, Beginn auslegen rwK = 1	max depth/on ground	51° 54,858' N	166° 52,332' W	6503.410	1.0	132.8	10.9	139.3
SO293_9-12		t	EBS	EBS			2022/08/17 07:50:12	SLmax = 8100m	information	51° 54,411' N	166° 51,724' W	6493.940	0.2	134.5	11.0	170.3
SO293_9-12		t	EBS	EBS			2022/08/17 08:00:12	Ende Auslage	hoisting	51° 54,299' N	166° 51,581' W	6476.430	0.1	130.1	11.9	171.6
SO293_9-12		t	EBS	EBS			2022/08/17 08:46:20	frei vom Grund. SZmax = 86,3kN	information	51° 54,314' N	166° 51,574' W	6482.590	0.1	132.4	9.8	272.4
SO293_9-12		t	EBS	EBS			2022/08/17 10:53:16		on deck	51° 54,352' N	166° 51,552' W	6484.380	0.1	119.4	11.9	158.3
SO293_9-12		t	EBS	EBS			2022/08/17 11:11:44		station end	51° 54,491' N	166° 51,838' W	6496.730	0.1	127.6	11.4	334.8
SO293_9-13		t	MUC	MUC			2022/08/17 11:16:29		station start	51° 54,489' N	166° 51,834' W	6495.730	0.1	121.4	11.1	340.3
SO293_9-13		t	MUC	MUC			2022/08/17 11:23:44		in the water	51° 54,489' N	166° 51,823' W	6497.810	0.2	132.0	9.4	33.3
SO293_9-13		t	MUC	MUC			2022/08/17 13:17:48	Boko, maxSL: 6568m	max depth/on ground	51° 54,487' N	166° 51,844' W	6495.710	0.1	83.7	10.0	279.7
SO293_9-13		t	MUC	MUC			2022/08/17 13:20:48	Beg. hieven, maxSZ: 91,2kN	hoisting	51° 54,488' N	166° 51,841' W	6497.610	0.1	81.7	12.0	98.1
SO293_9-13		t	MUC	MUC			2022/08/17 15:21:02		on deck	51° 54,487' N	166° 51,832' W	6497.780	0.1	56.5	14.5	206.3
SO293_9-13		t	MUC	MUC			2022/08/17 15:24:52		station end	51° 54,487' N	166° 51,835' W	6499.640	0.1	54.3	12.7	207.6
SO293_9-14		t	MUC	MUC			2022/08/17 15:25:23		station start	51° 54,487' N	166° 51,835' W	6497.390	0.0	49.0	11.8	260.7
SO293_9-14		t	MUC	MUC			2022/08/17 15:26:47		in the water	51° 54,486' N	166° 51,833' W	6497.990	0.1	57.8	12.2	111.9
SO293_9-14		t	MUC	MUC			2022/08/17 17:22:38	SLmax = 6562m	max depth/on ground	51° 54,490' N	166° 51,837' W	6500.310	0.1	37.1	12.8	335.1
SO293_9-14		t	MUC	MUC			2022/08/17 17:23:35	SZmax = 97kN	hoisting	51° 54,491' N	166° 51,838' W	6500.130	0.1	37.5	13.1	3.7
SO293_9-14		t	MUC	MUC			2022/08/17 19:30:59		on deck	51° 54,492' N	166° 51,834' W	6498.400	0.1	36.7	9.8	194.4
SO293_9-14		t	MUC	MUC			2022/08/17 19:37:35		station end	51° 54,491' N	166° 51,835' W	6499.200	0.1	21.1	10.5	324.2
SO293_9-15		t	MUC	MUC			2022/08/17 19:38:15		station start	51° 54,491' N	166° 51,835' W	6498.190	0.1	26.4	10.0	289.2
SO293_9-15		t	MUC	MUC			2022/08/17 19:46:31		in the water	51° 54,488' N	166° 51,833' W	6503.230	0.1	36.5	10.9	128.3
SO293_9-15		t	MUC	MUC			2022/08/17 21:46:57	SLmax = 6556m	max depth/on ground	51° 54,493' N	166° 51,849' W	6498.600	0.2	27.3	9.0	193.3
SO293_9-15		t	MUC	MUC			2022/08/17 21:48:48	SZmax = 88,6kN	hoisting	51° 54,493' N	166° 51,845' W	6499.090	0.1	31.5	9.8	43.3
SO293_9-15		t	MUC	MUC			2022/08/17 23:59:12		on deck	51° 54,525' N	166° 51,784' W	6500.910	0.3	358.1	12.4	27.1
SO293_9-15		t	MUC	MUC			2022/08/18 00:08:21		station end	51° 54,516' N	166° 51,782' W	6500.270	0.0	359.8	11.1	238.2
SO293_9-16		t	AGT	AGT			2022/08/18 00:45:06		station start	51° 51,231' N	166° 51,772' W	6163.540	0.2	2.8	9.9	307.9
SO293_9-16		t	AGT	AGT			2022/08/18 00:50:39		in the water	51° 51,258' N	166° 51,820' W	6163.820	0.5	4.6	9.1	317.0
SO293_9-16		t	AGT	AGT			2022/08/18 04:48:19	BoKo bei SL = 6970m, Beginn Auslegen rwK = 1	max depth/on ground	51° 55,181' N	166° 51,841' W	6486.700	1.0	25.2	3.8	358.1
SO293_9-16		t	AGT	AGT			2022/08/18 05:26:42	SLmax = 8100m	information	51° 55,817' N	166° 51,841' W	6451.900	0.9	45.8	3.8	7.1
SO293_9-16		t	AGT	AGT			2022/08/18 05:34:35		hoisting	51° 55,938' N	166° 51,838' W	6464.770	0.1	51.1	3.4	336.8
SO293_9-16		t	AGT	AGT			2022/08/18 06:15:37	frei vom Grund, SZmax = 87kN	information	51° 55,942' N	166° 51,844' W	6466.170	0.0	57.2	3.4	198.7
SO293_9-16		t	AGT	AGT			2022/08/18 08:41:12		on deck	51° 55,937' N	166° 51,836' W	6465.770	0.2	99.9	2.5	220.8
SO293_9-16		t	AGT	AGT			2022/08/18 08:47:01		station end	51° 55,938' N	166° 51,836' W	6466.850	0.1	75.8	2.1	357.4
SO293_10-1		t	CTD	CTD			2022/08/18 11:19:33	Clean Ship aktiv	station start	51° 37,876' N	166° 33,001' W	5092.780	0.2	150.4	2.5	181.2
SO293_10-1		t	CTD	CTD			2022/08/18 11:20:35		in the water	51° 37,874' N	166° 33,003' W	5090.500	0.1	139.2	2.5	230.7
SO293_10-1		t	CTD	CTD			2022/08/18 12:51:36	auf Tiefe, maxSL: 4850m	max depth/on ground	51° 37,865' N	166° 32,926' W	5089.690	0.2	141.0	1.6	303.0
SO293_10-1		t	CTD	CTD			2022/08/18 14:51:26		on deck	51° 37,868' N	166° 32,937' W	5089.060	0.1	126.7	6.1	64.8
SO293_10-1		t	CTD	CTD			2022/08/18 14:54:37		station end	51° 37,869' N	166° 32,939' W	5089.020	0.1	129.5	5.5	299.0
SO293_10-2		t	EM122	EM122	Deep water multibeam		2022/08/18 15:43:08	rwk: 090°, d: 8,0sm	profile start	51° 42,673' N	166° 39,212' W	5218.760	7.3	151.8	9.1	87.7
SO293_10-2		t	EM122	EM122	Deep water multibeam		2022/08/18 17:15:21	rwk = 270°, d = 8,0sm	alter course	51° 39,504' N	166° 27,777' W	5107.370	7.7	157.6	10.0	267.1
SO293_10-2		t	EM122	EM122	Deep water multibeam		2022/08/18 18:38:52	rwk = 090°, d = 8,0sm	alter course	51° 36,281' N	166° 38,594' W	4849.200	7.9	174.5	13.9	92.8
SO293_10-2		t	EM122	EM122	Deep water multibeam		2022/08/18 20:05:01	rwk = 270°, d = 8,0sm	alter course	51° 33,062' N	166° 27,226' W	5018.640	7.9	153.7	14.6	262.9
SO293_10-2		t	EM122	EM122	Deep water multibeam		2022/08/18 21:05:59		profile end	51° 33,039' N	166° 39,339' W	5079.810	7.3	165.7	17.7	270.5
SO293_10-3		t	MSN	MSN	Multinet with fine, f		2022/08/18 22:00:12	Clean Ship aktiv	station start	51° 37,911' N	166° 32,954' W	5091.450	0.1	166.4	14.2	335.6
SO293_10-3		t	MSN	MSN	Multinet with fine, f		2022/08/18 22:04:10		in the water	51° 37,899' N	166° 32,940' W	5089.550	0.4	169.9	14.5	167.4
SO293_10-3		t	MSN	MSN	Multinet with fine, f		2022/08/18 23:05:17	Winde gestoppt wegen techn. Probleme	information	51° 37,882' N	166° 32,921' W	5092.540	0.1	177.9	14.8	183.6
SO293_10-3		t	MSN	MSN	Multinet with fine, f		2022/08/18 23:10:19	Fortsetzung Fieren	information	51° 37,881' N	166° 32,924' W	5092.340	0.2	177.8	15.2	185.1
SO293_10-3		t	MSN	MSN	Multinet with fine, f		2022/08/18 23:38:27	Winde gestoppt wegen techn. Probleme	information	51° 37,883' N	166° 32,930' W	5090.330	0.1	172.7	14.2	177.8
SO293_10-3		t	MSN	MSN	Multinet with fine, f		2022/08/18 23:42:26	Fortsetzung Fieren	information	51° 37,880' N	166° 32,928' W	5093.980	0.1	172.8	15.1	82.7
SO293_10-3		t	MSN	MSN	Multinet with fine, f		2022/08/19 00:16:05	auf Tiefe, maxSL: 4804m	max depth/on ground	51° 37,886' N	166° 32,947' W	5091.810	0.1	178.6	15.2	333.7
SO293_10-3		t	MSN	MSN	Multinet with fine, f		2022/08/19 02:21:01		on deck	51° 37,884' N	166° 32,937' W	5092.640	0.2	197.0	11.1	216.3

SO293_10-3		t	MSN	MSN	Multinet with fine,	f	2022/08/19 02:21:48		station end	51° 37,883' N	166° 32,937' W	5090.350	0.1	196.5	10.9	163.5
SO293_10-4		t	OFOS	OFOS			2022/08/19 03:00:46		station start	51° 41,066' N	166° 32,506' W	5082.580	1.3	207.5	9.9	171.9
SO293_10-4		t	OFOS	OFOS			2022/08/19 03:02:51	Posidonia bei SL: 25m	in the water	51° 41,063' N	166° 32,493' W	5082.450	0.4	207.8	10.1	69.0
SO293_10-4		t	OFOS	OFOS			2022/08/19 05:16:06	Bodensicht bei SL = 5100m	information	51° 40,994' N	166° 32,588' W	5086.540	0.1	232.1	8.2	44.1
SO293_10-4		t	OFOS	OFOS			2022/08/19 05:17:13	SL = 5104m	max depth/on ground	51° 40,993' N	166° 32,589' W	5088.790	0.1	233.3	8.9	349.3
SO293_10-4		t	OFOS	OFOS			2022/08/19 05:18:39	rwK = 211°	profile start	51° 40,993' N	166° 32,591' W	5084.290	0.2	231.8	8.2	254.8
SO293_10-4		t	OFOS	OFOS			2022/08/19 07:41:21		profile end	51° 40,332' N	166° 33,266' W	5093.160	0.1	260.9	10.1	272.2
SO293_10-4		t	OFOS	OFOS			2022/08/19 07:43:25		hoisting	51° 40,331' N	166° 33,264' W	5093.770	0.1	259.0	10.8	88.5
SO293_10-4		t	OFOS	OFOS			2022/08/19 09:20:40	Posidonia an Deck	information	51° 40,321' N	166° 33,244' W	5093.520	0.0	255.5	8.8	75.2
SO293_10-4		t	OFOS	OFOS			2022/08/19 09:23:20		on deck	51° 40,324' N	166° 33,238' W	5093.860	0.2	246.9	11.3	89.5
SO293_10-4		t	OFOS	OFOS			2022/08/19 09:39:03		station end	51° 40,319' N	166° 33,244' W	5092.550	0.1	248.7	11.2	293.6
SO293_10-5		t	EBS	EBS			2022/08/19 10:23:30		station start	51° 42,199' N	166° 29,713' W	5160.310	1.0	249.0	10.4	241.1
SO293_10-5		t	EBS	EBS			2022/08/19 10:27:05		in the water	51° 42,158' N	166° 29,781' W	5157.840	1.5	252.6	9.9	225.7
SO293_10-5		t	EBS	EBS			2022/08/19 12:33:49	Boko, SL: 5510m	max depth/on ground	51° 40,547' N	166° 31,972' W	5092.990	0.9	233.5	10.2	222.6
SO293_10-5		t	EBS	EBS			2022/08/19 13:03:42	Schiff aufgestoppt, Beg. hieven, maxSL: 6200m	hoisting	51° 40,174' N	166° 32,476' W	5090.210	0.2	232.4	8.6	245.5
SO293_10-5		t	EBS	EBS			2022/08/19 13:43:45	EBS frei vom Grund, SL: 5080m, maxSZ: 66,2kN	hoisting	51° 40,167' N	166° 32,470' W	5091.200	0.0	234.8	10.2	47.9
SO293_10-5		t	EBS	EBS			2022/08/19 15:40:52		on deck	51° 40,449' N	166° 32,853' W	5090.630	0.3	218.3	10.1	292.6
SO293_10-5		t	EBS	EBS			2022/08/19 15:54:35		station end	51° 40,518' N	166° 32,946' W	5097.930	0.4	230.4	11.3	298.0
SO293_10-6		t	BC	BC			2022/08/19 15:56:41		station start	51° 40,528' N	166° 32,960' W	5094.730	0.3	233.9	12.9	327.2
SO293_10-6		t	BC	BC			2022/08/19 15:58:37		in the water	51° 40,536' N	166° 32,970' W	5096.160	0.4	232.5	13.3	317.1
SO293_10-6		t	BC	BC			2022/08/19 17:36:40	SLmax = 5131m	max depth/on ground	51° 40,563' N	166° 33,012' W	5097.740	0.1	224.7	12.8	333.6
SO293_10-6		t	BC	BC			2022/08/19 17:37:49	SZmax = 70kN	hoisting	51° 40,563' N	166° 33,014' W	5098.350	0.1	222.3	10.3	1.1
SO293_10-6		t	BC	BC			2022/08/19 19:15:37		on deck	51° 40,573' N	166° 32,981' W	5099.150	0.1	194.0	13.4	298.5
SO293_10-6		t	BC	BC			2022/08/19 19:20:09		station end	51° 40,575' N	166° 32,977' W	5097.490	0.2	187.3	12.5	311.9
SO293_10-7		t	MUC	MUC			2022/08/19 19:20:30		station start	51° 40,575' N	166° 32,977' W	5099.920	0.1	189.1	14.1	322.5
SO293_10-7		t	MUC	MUC			2022/08/19 19:37:36		in the water	51° 40,578' N	166° 32,985' W	5097.150	0.1	191.4	14.6	161.3
SO293_10-7		t	MUC	MUC			2022/08/19 21:08:23	SLmax = 5151m	max depth/on ground	51° 40,622' N	166° 32,958' W	5097.790	0.4	189.6	12.6	66.6
SO293_10-7		t	MUC	MUC			2022/08/19 21:09:55	SZmax = 79,3kN	hoisting	51° 40,622' N	166° 32,957' W	5097.250	0.2	194.8	11.8	311.9
SO293_10-7		t	MUC	MUC			2022/08/19 22:46:56		on deck	51° 40,564' N	166° 33,015' W	5098.000	0.1	202.5	12.7	157.1
SO293_10-7		t	MUC	MUC			2022/08/19 22:50:42		station end	51° 40,561' N	166° 33,019' W	5095.490	0.0	213.8	11.9	238.0
SO293_10-8		t	MUC	MUC			2022/08/19 22:51:01		station start	51° 40,560' N	166° 33,019' W	5096.340	0.1	212.3	14.9	233.6
SO293_10-8		t	MUC	MUC			2022/08/19 23:01:17		in the water	51° 40,564' N	166° 33,007' W	5098.380	0.1	205.1	14.7	176.7
SO293_10-8		t	MUC	MUC			2022/08/20 00:30:27	Boko, maxSL: 5155m	max depth/on ground	51° 40,565' N	166° 33,005' W	5098.060	0.1	208.9	12.7	227.1
SO293_10-8		t	MUC	MUC			2022/08/20 00:33:01	Beg. hieven, maxSZ: 72,5kN	hoisting	51° 40,565' N	166° 33,005' W	5099.640	0.1	211.8	11.6	87.1
SO293_10-8		t	MUC	MUC			2022/08/20 02:08:15		on deck	51° 40,576' N	166° 33,022' W	5097.170	0.2	217.0	15.7	33.3
SO293_10-8		t	MUC	MUC			2022/08/20 02:15:35		station end	51° 40,578' N	166° 33,018' W	5098.850	0.0	216.9	15.5	20.9
SO293_10-9		t	EBS	EBS			2022/08/20 03:00:49		station start	51° 41,780' N	166° 27,887' W	5181.510	0.9	217.4	15.6	236.2
SO293_10-9		t	EBS	EBS			2022/08/20 03:05:31		in the water	51° 41,730' N	166° 27,981' W	5173.650	0.8	217.2	16.4	200.2
SO293_10-9		t	EBS	EBS			2022/08/20 05:13:29	BoKo bei SL = 5396m, Beginn Auslegen rwK = 2	max depth/on ground	51° 40,316' N	166° 30,384' W	5083.590	1.0	228.3	13.5	227.7
SO293_10-9		t	EBS	EBS			2022/08/20 05:55:10	SLmax = 6700m	information	51° 39,857' N	166° 31,126' W	5105.740	0.8	231.2	14.2	224.2
SO293_10-9		t	EBS	EBS			2022/08/20 06:04:40		hoisting	51° 39,756' N	166° 31,270' W	5105.240	0.5	234.3	12.8	93.2
SO293_10-9		t	EBS	EBS			2022/08/20 06:57:16	frei vom Grund, SZmax = 74kN	information	51° 39,769' N	166° 31,301' W	5102.810	0.3	238.4	14.4	13.2
SO293_10-9		t	EBS	EBS			2022/08/20 08:37:44		on deck	51° 39,767' N	166° 31,285' W	5099.860	0.1	246.1	15.3	140.9
SO293_10-9		t	EBS	EBS			2022/08/20 08:50:17		station end	51° 39,770' N	166° 31,286' W	5099.960	0.3	244.7	13.5	263.3
SO293_11-1		t	CTD	CTD			2022/08/20 20:24:04	Clean Ship aktiv	station start	52° 39,023' N	164° 28,991' W	7033.030	0.5	295.1	9.2	286.3
SO293_11-1		t	CTD	CTD			2022/08/20 20:26:44		in the water	52° 39,022' N	164° 28,997' W	7032.170	0.2	288.8	8.6	271.2
SO293_11-1		t	CTD	CTD			2022/08/20 22:15:45	SLmax = 5900m	max depth/on ground	52° 39,016' N	164° 29,033' W	7034.730	0.0	321.0	12.3	258.8
SO293_11-1		t	CTD	CTD			2022/08/20 23:44:12	Winde gestoppt wg. technischer Probleme	information	52° 39,023' N	164° 29,029' W	7290.480	0.1	321.8	11.0	64.2
SO293_11-1		t	CTD	CTD			2022/08/20 23:49:40	Fortsetzung Hieven	information	52° 39,017' N	164° 29,029' W	7031.380	0.1	319.4	11.2	289.4
SO293_11-1		t	CTD	CTD			2022/08/21 00:54:07		on deck	52° 39,018' N	164° 29,034' W	7034.890	0.1	318.1	10.8	122.5
SO293_11-1		t	CTD	CTD			2022/08/21 00:58:21		station end	52° 39,016' N	164° 29,034' W	7031.560	0.1	326.5	10.5	285.4
SO293_11-2		t	MSN	MSN	Multinet with fine,	f	2022/08/21 00:59:32		station start	52° 39,017' N	164° 29,034' W	7287.730	0.1	328.5	11.2	338.0

SO293_11-2		t	MSN	MSN	Multinet with fine,	f	2022/08/21 01:09:11		in the water	52° 39,009' N	164° 29,037' W	7032.060	0.1	323.9	11.0	299.9
SO293_11-2		t	MSN	MSN	Multinet with fine,	f	2022/08/21 03:39:42	auf Tiefe, maxSL: 5819m	max depth/on ground	52° 39,007' N	164° 29,028' W	7035.980	0.1	321.9	14.2	271.3
SO293_11-2		t	MSN	MSN	Multinet with fine,	f	2022/08/21 06:11:32		on deck	52° 39,030' N	164° 28,984' W	7555.440	0.2	320.3	10.4	3.4
SO293_11-2		t	MSN	MSN	Multinet with fine,	f	2022/08/21 06:11:45		station end	52° 39,030' N	164° 28,984' W	7555.440	0.1	307.6	11.2	336.3
SO293_11-3		t	BC	BC			2022/08/21 06:17:41		station start	52° 39,030' N	164° 28,985' W	7033.910	0.1	315.5	13.2	306.3
SO293_11-3		t	BC	BC			2022/08/21 06:39:54		in the water	52° 39,000' N	164° 29,020' W	7034.630	0.9	327.8	11.8	214.5
SO293_11-3		t	BC	BC			2022/08/21 08:48:48	SLmax = 7080m	max depth/on ground	52° 38,997' N	164° 29,008' W	7287.720	0.3	320.1	13.4	9.1
SO293_11-3		t	BC	BC			2022/08/21 08:49:52	SZmax = 100,8kN	hoisting	52° 38,999' N	164° 29,010' W	7032.930	0.1	319.2	14.7	337.8
SO293_11-3		t	BC	BC			2022/08/21 11:06:56		on deck	52° 39,001' N	164° 29,018' W	7031.950	0.0	308.7	13.3	326.5
SO293_11-3		t	BC	BC			2022/08/21 11:11:12		station end	52° 39,003' N	164° 29,028' W	7034.290	0.1	305.1	12.6	120.6
SO293_11-4		t	MUC	MUC			2022/08/21 11:20:21		station start	52° 39,002' N	164° 29,033' W	7030.300	0.1	318.1	13.9	254.2
SO293_11-4		t	MUC	MUC			2022/08/21 11:50:58		in the water	52° 39,006' N	164° 29,049' W	7033.190	0.1	318.8	11.2	267.3
SO293_11-4		t	MUC	MUC			2022/08/21 13:52:36	Boko, maxSL: 7098m	max depth/on ground	52° 39,012' N	164° 29,045' W	7031.950	0.3	303.5	11.6	203.7
SO293_11-4		t	MUC	MUC			2022/08/21 13:54:04	Beg. hieven, maxSZ: 99,6kN	hoisting	52° 39,009' N	164° 29,046' W	7033.050	0.2	311.8	13.5	158.5
SO293_11-4		t	MUC	MUC			2022/08/21 16:07:00		on deck	52° 38,987' N	164° 29,062' W	7031.770	0.8	307.4	11.7	273.2
SO293_11-4		t	MUC	MUC			2022/08/21 16:22:46		station end	52° 38,983' N	164° 29,066' W	7031.470	0.3	302.7	10.0	154.4
SO293_11-5		t	EBS	EBS			2022/08/21 17:06:14		station start	52° 37,460' N	164° 24,770' W	6794.240	1.9	296.8	12.3	127.0
SO293_11-5		t	EBS	EBS			2022/08/21 17:12:30		in the water	52° 37,469' N	164° 24,823' W	6800.150	0.5	302.2	13.4	309.6
SO293_11-5		t	EBS	EBS			2022/08/21 20:11:20	BoKo bei SL = 7625m, Beginn Auslegen rwK =	max depth/on ground	52° 38,513' N	164° 29,462' W	7025.220	0.9	319.9	15.0	285.9
SO293_11-5		t	EBS	EBS			2022/08/21 20:48:30	SLmax = 8800m	information	52° 38,742' N	164° 30,459' W	7028.870	1.0	322.4	13.7	290.2
SO293_11-5		t	EBS	EBS			2022/08/21 20:56:03	Ende Auslage, Schiff aufgestoppt	hoisting	52° 38,778' N	164° 30,625' W	7289.420	0.4	325.9	13.3	282.5
SO293_11-5		t	EBS	EBS			2022/08/21 21:45:00	frei vom Grund, SZmax = 108,9kN	information	52° 38,751' N	164° 30,647' W	7033.920	0.3	317.0	13.9	152.9
SO293_11-5		t	EBS	EBS			2022/08/22 00:13:29		on deck	52° 38,693' N	164° 30,772' W	7030.290	0.3	336.7	12.3	295.5
SO293_11-5		t	EBS	EBS			2022/08/22 00:40:22		station end	52° 38,703' N	164° 30,788' W	7030.680	0.2	344.5	12.6	130.6
SO293_11-6		t	AGT	AGT			2022/08/22 01:52:04		station start	52° 36,877' N	164° 24,379' W	6761.980	3.5	347.3	13.6	236.6
SO293_11-6		t	AGT	AGT			2022/08/22 02:03:23		in the water	52° 36,903' N	164° 24,792' W	6772.250	0.6	343.7	12.3	291.3
SO293_11-6		t	AGT	AGT			2022/08/22 06:13:08	Boko bei SL = 7568m, Beginn Auslegen rwK =	max depth/on ground	52° 38,339' N	164° 31,003' W	7024.130	1.2	330.6	13.6	277.8
SO293_11-6		t	AGT	AGT			2022/08/22 06:54:47	SLmax = 8800m	information	52° 38,581' N	164° 32,070' W	7035.040	1.1	339.8	11.6	288.0
SO293_11-6		t	AGT	AGT			2022/08/22 07:02:43		hoisting	52° 38,619' N	164° 32,250' W	7033.610	0.5	349.1	15.4	197.4
SO293_11-6		t	AGT	AGT			2022/08/22 07:45:15	frei vom Grund, SZmax = 107kN	information	52° 38,633' N	164° 32,229' W	7033.910	0.1	343.8	12.5	157.0
SO293_11-6		t	AGT	AGT			2022/08/22 10:21:57		on deck	52° 38,654' N	164° 32,313' W	7036.050	0.3	346.4	13.9	323.1
SO293_11-6		t	AGT	AGT			2022/08/22 10:23:51		station end	52° 38,652' N	164° 32,316' W	7035.550	0.2	341.7	15.5	171.8
SO293_12-1		t	CTD	CTD			2022/08/23 02:41:50		station start	53° 36,017' N	162° 10,665' W	4304.980	0.9	354.1	11.0	14.9
SO293_12-1		t	CTD	CTD			2022/08/23 02:44:37		in the water	53° 36,012' N	162° 10,656' W	4304.370	0.2	1.5	9.8	38.7
SO293_12-1		t	CTD	CTD			2022/08/23 03:59:38	SLmax = 3950m	max depth/on ground	53° 36,029' N	162° 10,680' W	4304.620	0.2	11.0	8.5	180.2
SO293_12-1		t	CTD	CTD			2022/08/23 05:49:46		on deck	53° 36,023' N	162° 10,680' W	4305.700	0.1	8.9	5.5	336.5
SO293_12-1		t	CTD	CTD			2022/08/23 05:51:17		station end	53° 36,021' N	162° 10,679' W	4305.870	0.0	14.9	5.7	200.4
SO293_12-2		t	EM122	EM122	Deep water multibeam		2022/08/23 06:40:45		station start	53° 39,832' N	162° 17,534' W	3696.910	7.6	2.8	7.2	82.2
SO293_12-2		t	EM122	EM122	Deep water multibeam		2022/08/23 06:41:56	rwK = 090°, d = 8,0sm	profile start	53° 39,838' N	162° 17,282' W	3822.710	7.7	358.3	6.9	90.1
SO293_12-2		t	EM122	EM122	Deep water multibeam		2022/08/23 08:02:58	rwK = 270°, d = 8,0sm	alter course	53° 37,443' N	162° 04,240' W	4095.010	7.4	330.9	7.3	227.9
SO293_12-2		t	EM122	EM122	Deep water multibeam		2022/08/23 09:01:22	rwK = 090°, d = 8,0sm	alter course	53° 37,312' N	162° 16,463' W	3941.480	7.5	340.3	10.0	270.5
SO293_12-2		t	EM122	EM122	Deep water multibeam		2022/08/23 10:25:14	rwK = 270°, d = 8,0sm	alter course	53° 34,736' N	162° 04,772' W	4162.250	7.5	351.8	6.9	93.0
SO293_12-2		t	EM122	EM122	Deep water multibeam		2022/08/23 11:49:49		profile end	53° 32,154' N	162° 17,354' W	4267.430	7.4	2.5	7.9	269.4
SO293_12-2		t	EM122	EM122	Deep water multibeam		2022/08/23 11:50:28		station end	53° 32,153' N	162° 17,493' W	4261.780	7.5	357.4	8.8	269.7
SO293_12-3		t	MSN	MSN	Multinet with fine,	f	2022/08/23 12:41:16		station start	53° 36,102' N	162° 10,734' W	4304.210	0.2	13.1	3.7	231.3
SO293_12-3		t	MSN	MSN	Multinet with fine,	f	2022/08/23 12:46:23		in the water	53° 36,082' N	162° 10,721' W	4305.130	0.4	22.3	4.1	159.5
SO293_12-3		t	MSN	MSN	Multinet with fine,	f	2022/08/23 14:25:17	auf Tiefe, maxSL: 3932m	max depth/on ground	53° 36,020' N	162° 10,656' W	4303.950	0.1	298.2	6.2	14.8
SO293_12-3		t	MSN	MSN	Multinet with fine,	f	2022/08/23 16:10:33		on deck	53° 36,013' N	162° 10,654' W	4304.550	0.2	301.5	6.0	155.3
SO293_12-3		t	MSN	MSN	Multinet with fine,	f	2022/08/23 16:12:12		station end	53° 36,007' N	162° 10,645' W	4303.980	0.2	296.7	6.7	125.1
SO293_12-4		t	OFOS	OFOS			2022/08/23 16:13:46		station start	53° 35,999' N	162° 10,637' W	4301.840	0.3	308.9	7.9	156.1
SO293_12-4		t	OFOS	OFOS			2022/08/23 17:04:48		in the water	53° 35,802' N	162° 10,397' W	4299.330	0.2	325.3	5.2	180.5
SO293_12-4		t	OFOS	OFOS			2022/08/23 17:07:09	Posidonia bei SL = 25m	information	53° 35,793' N	162° 10,385' W	4548.660	0.3	325.0	5.6	130.4

SO293_12-4		t	OFOS	OFOS		2022/08/23 18:58:25	Bodensicht	information	53° 35,650' N	162° 10,217' W	4295.840	0.1	344.9	3.6	343.3
SO293_12-4		t	OFOS	OFOS		2022/08/23 18:59:08	SL = 4311m	max depth/on ground	53° 35,650' N	162° 10,217' W	4296.380	0.1	341.2	3.3	6.0
SO293_12-4		t	OFOS	OFOS		2022/08/23 18:59:40	rwK = 324°, v = 0,3kn	profile start	53° 35,650' N	162° 10,217' W	4293.860	0.1	359.6	3.1	180.1
SO293_12-4		t	OFOS	OFOS		2022/08/23 20:01:30	rwK = 324°, v = 0,6kn	information	53° 35,864' N	162° 10,470' W	4301.150	0.7	321.1	3.2	307.2
SO293_12-4		t	OFOS	OFOS		2022/08/23 20:58:27	Schiff aufgestoppt	information	53° 36,292' N	162° 10,996' W	4311.000	0.1	278.7	2.0	32.6
SO293_12-4		t	OFOS	OFOS		2022/08/23 21:00:14		profile end	53° 36,293' N	162° 10,998' W	4309.120	0.1	274.1	3.1	298.9
SO293_12-4		t	OFOS	OFOS		2022/08/23 21:03:36		hoisting	53° 36,299' N	162° 10,998' W	4310.330	0.1	286.3	3.0	330.5
SO293_12-4		t	OFOS	OFOS		2022/08/23 22:24:57	Pinger an Deck	information	53° 36,295' N	162° 11,005' W	4309.960	0.4	274.3	6.1	124.2
SO293_12-4		t	OFOS	OFOS		2022/08/23 22:27:45		on deck	53° 36,295' N	162° 11,000' W	4308.740	0.3	268.8	5.6	238.8
SO293_12-4		t	OFOS	OFOS		2022/08/23 22:41:32		station end	53° 36,295' N	162° 11,014' W	4309.780	0.1	276.6	4.4	294.2
SO293_12-5		t	EBS	EBS		2022/08/23 23:22:00		station start	53° 34,002' N	162° 08,206' W	4242.580	1.3	278.0	5.4	330.1
SO293_12-5		t	EBS	EBS		2022/08/23 23:26:37		in the water	53° 34,067' N	162° 08,275' W	4240.760	1.1	277.9	4.7	321.4
SO293_12-5		t	EBS	EBS		2022/08/24 01:15:42	Boko, SL: 4566m	max depth/on ground	53° 35,535' N	162° 10,069' W	4291.140	1.0	252.4	2.7	330.4
SO293_12-5		t	EBS	EBS		2022/08/24 01:58:08	Schiff aufgestoppt, maxSL: 5600m, Beg. hieven	information	53° 36,099' N	162° 10,756' W	4305.160	0.1	252.7	5.1	308.7
SO293_12-5		t	EBS	EBS		2022/08/24 02:44:30	EBS frei vom Grund, SL: 4300m, maxSZ: 58,0kN	information	53° 36,098' N	162° 10,748' W	4304.890	0.1	257.8	7.5	13.6
SO293_12-5		t	EBS	EBS		2022/08/24 04:08:22		on deck	53° 36,101' N	162° 10,762' W	4305.340	0.0	275.6	4.8	198.5
SO293_12-5		t	EBS	EBS		2022/08/24 04:24:32		station end	53° 36,095' N	162° 10,769' W	4307.660	0.1	276.8	4.0	139.4
SO293_12-6		t	BC	BC		2022/08/24 04:25:02		station start	53° 36,095' N	162° 10,768' W	4305.380	0.1	289.2	3.8	132.7
SO293_12-6		t	BC	BC		2022/08/24 04:33:41		in the water	53° 36,072' N	162° 10,739' W	4305.090	0.2	276.3	4.1	192.3
SO293_12-6		t	BC	BC		2022/08/24 05:54:21	SLmax = 4333m	max depth/on ground	53° 36,016' N	162° 10,665' W	4305.400	0.1	299.3	4.4	198.4
SO293_12-6		t	BC	BC		2022/08/24 05:55:34	SZmax = 69kN	hoisting	53° 36,015' N	162° 10,665' W	4305.380	0.1	292.3	3.2	155.7
SO293_12-6		t	BC	BC		2022/08/24 07:20:33		on deck	53° 36,016' N	162° 10,648' W	4304.500	0.1	294.9	4.8	160.2
SO293_12-6		t	BC	BC		2022/08/24 07:21:46		station end	53° 36,017' N	162° 10,647' W	4305.340	0.0	288.2	4.7	332.9
SO293_12-7		t	MUC	MUC		2022/08/24 07:22:07		station start	53° 36,017' N	162° 10,648' W	4305.160	0.1	297.8	5.8	312.3
SO293_12-7		t	MUC	MUC		2022/08/24 07:51:07		in the water	53° 36,014' N	162° 10,660' W	4306.440	0.1	306.1	5.4	86.3
SO293_12-7		t	MUC	MUC		2022/08/24 09:09:28	SLmax = 4346m	max depth/on ground	53° 36,028' N	162° 10,659' W	4305.130	0.1	286.0	6.4	314.5
SO293_12-7		t	MUC	MUC		2022/08/24 09:11:39	SZmax = 65,8kN	hoisting	53° 36,028' N	162° 10,659' W	4305.440	0.1	291.1	7.1	33.0
SO293_12-7		t	MUC	MUC		2022/08/24 10:37:03		on deck	53° 36,019' N	162° 10,676' W	4305.170	0.1	303.6	4.4	0.1
SO293_12-7		t	MUC	MUC		2022/08/24 10:37:58		station end	53° 36,020' N	162° 10,675' W	4305.280	0.1	300.9	3.2	20.5
SO293_12-8		t	MUC	MUC		2022/08/24 10:40:29		station start	53° 36,023' N	162° 10,673' W	4305.250	0.1	306.3	3.4	0.9
SO293_12-8		t	MUC	MUC		2022/08/24 10:51:54		in the water	53° 36,021' N	162° 10,679' W	4305.400	0.0	318.5	3.4	118.5
SO293_12-8		t	MUC	MUC		2022/08/24 12:11:21	Boko, maxSL: 4343m	max depth/on ground	53° 36,029' N	162° 10,666' W	4304.100	0.1	284.8	3.5	207.4
SO293_12-8		t	MUC	MUC		2022/08/24 12:13:42	Beg. hieven, maxSZ: 69,2kN	hoisting	53° 36,027' N	162° 10,663' W	4301.990	0.1	290.6	4.5	209.1
SO293_12-8		t	MUC	MUC		2022/08/24 13:36:11		on deck	53° 36,025' N	162° 10,657' W	4553.680	0.1	299.6	4.2	208.4
SO293_12-8		t	MUC	MUC		2022/08/24 13:51:44		station end	53° 36,023' N	162° 10,656' W	4301.610	0.0	285.7	3.0	29.5
SO293_12-9		t	EBS	EBS		2022/08/24 14:22:04		station start	53° 34,468' N	162° 08,555' W	4248.610	1.1	294.2	4.8	299.6
SO293_12-9		t	EBS	EBS		2022/08/24 14:25:12		in the water	53° 34,506' N	162° 08,608' W	4249.730	1.1	288.1	4.3	334.2
SO293_12-9		t	EBS	EBS		2022/08/24 16:16:15	BoKo bei SL = 4578m, Beginn Auslegen rwK = 324°	max depth/on ground	53° 35,995' N	162° 10,411' W	4302.690	1.0	284.8	5.2	322.9
SO293_12-9		t	EBS	EBS		2022/08/24 17:04:03	SLmax = 6000m	information	53° 36,641' N	162° 11,193' W	4316.970	1.0	285.3	6.8	323.5
SO293_12-9		t	EBS	EBS		2022/08/24 17:13:13		hoisting	53° 36,750' N	162° 11,322' W	4319.320	0.2	271.1	4.5	148.6
SO293_12-9		t	EBS	EBS		2022/08/24 18:05:53	frei vom Grund, SZmax = 65kN	information	53° 36,755' N	162° 11,326' W	4319.700	0.1	289.4	4.5	144.5
SO293_12-9		t	EBS	EBS		2022/08/24 19:34:28		on deck	53° 36,749' N	162° 11,318' W	4318.610	0.1	280.6	6.5	167.8
SO293_12-9		t	EBS	EBS		2022/08/24 19:54:24		station end	53° 36,754' N	162° 11,333' W	4319.290	0.1	271.6	4.4	337.6
SO293_12-10		t	AGT	AGT		2022/08/24 20:32:12		station start	53° 34,150' N	162° 07,837' W	4242.910	1.6	295.8	4.9	309.7
SO293_12-10		t	AGT	AGT		2022/08/24 20:39:49		in the water	53° 34,260' N	162° 07,936' W	4238.800	0.9	263.3	1.5	331.9
SO293_12-10		t	AGT	AGT		2022/08/24 23:13:16	SL = 4589m, Beginn Auslegen rwK = 324°	max depth/on ground	53° 36,298' N	162° 10,398' W	4306.200	1.0	259.5	4.1	327.7
SO293_12-10		t	AGT	AGT		2022/08/24 23:53:32	SLmax = 5800m	information	53° 36,841' N	162° 11,059' W	4324.550	1.0	224.4	6.5	322.3
SO293_12-10		t	AGT	AGT		2022/08/25 00:02:32	Schiff aufgestoppt, Big. hieven	hoisting	53° 36,948' N	162° 11,195' W	4323.210	0.1	228.0	6.7	84.2
SO293_12-10		t	AGT	AGT		2022/08/25 00:52:17	AGT frei vom Grund, SL: 4310mm, maxSZ: 65,	information	53° 36,952' N	162° 11,192' W	4323.600	0.0	216.2	3.5	245.1
SO293_12-10		t	AGT	AGT		2022/08/25 02:25:09		on deck	53° 36,957' N	162° 11,194' W	4322.880	0.1	211.2	3.0	18.6
SO293_12-10		t	AGT	AGT		2022/08/25 02:29:52		station end	53° 36,971' N	162° 11,173' W	4324.790	0.4	203.0	4.9	336.8
SO293_13-1		t	CTD	CTD		2022/08/25 05:26:27		station start	53° 14,216' N	161° 59,498' W	4688.210	1.7	165.6	4.7	175.1

SO293_13-1		t	CTD	CTD			2022/08/25 05:29:59		in the water	53° 14,189' N	161° 59,480' W	6886.360	0.2	172.5	5.5	104.6
SO293_13-1		t	CTD	CTD			2022/08/25 07:15:27	SLmax = 5900m	max depth/on ground	53° 14,192' N	161° 59,503' W	6887.410	0.1	172.1	6.2	175.6
SO293_13-1		t	CTD	CTD			2022/08/25 09:46:34		on deck	53° 14,193' N	161° 59,503' W	6887.530	0.1	182.3	7.5	301.9
SO293_13-1		t	CTD	CTD			2022/08/25 09:49:15		station end	53° 14,193' N	161° 59,502' W	6887.940	0.0	176.0	6.7	228.0
SO293_13-2		t	MSN	MSN	Multinet with fine,	f	2022/08/25 09:49:54		station start	53° 14,192' N	161° 59,503' W	6888.290	0.0	176.0	8.3	205.7
SO293_13-2		t	MSN	MSN	Multinet with fine,	f	2022/08/25 10:05:10		in the water	53° 14,194' N	161° 59,503' W	6887.150	0.0	173.2	9.2	58.6
SO293_13-2		t	MSN	MSN	Multinet with fine,	f	2022/08/25 12:28:42	auf Tiefe, maxSL: 5822m	max depth/on ground	53° 14,196' N	161° 59,485' W	6887.310	0.1	185.5	9.3	128.5
SO293_13-2		t	MSN	MSN	Multinet with fine,	f	2022/08/25 14:59:01		on deck	53° 14,190' N	161° 59,492' W	6885.000	0.1	201.0	11.5	22.3
SO293_13-2		t	MSN	MSN	Multinet with fine,	f	2022/08/25 14:59:38		station end	53° 14,191' N	161° 59,492' W	6886.700	0.1	203.5	10.1	28.4
SO293_13-3		t	EBS	EBS			2022/08/25 15:37:16		station start	53° 16,528' N	161° 57,530' W	6881.840	0.8	191.6	9.5	187.9
SO293_13-3		t	EBS	EBS			2022/08/25 15:41:06		in the water	53° 16,467' N	161° 57,567' W	6882.760	1.0	200.3	10.1	199.8
SO293_13-3		t	EBS	EBS			2022/08/25 18:31:29	BoKo bei SL = 7391m, Beginn Auslegen rwK =	max depth/on ground	53° 13,771' N	161° 58,779' W	6883.810	0.8	193.0	12.8	196.2
SO293_13-3		t	EBS	EBS			2022/08/25 19:11:33	SLmax = 8600m	information	53° 13,238' N	161° 59,019' W	6880.090	1.0	192.3	13.2	192.2
SO293_13-3		t	EBS	EBS			2022/08/25 19:19:42		hoisting	53° 13,131' N	161° 59,068' W	6880.300	0.3	193.5	12.5	24.9
SO293_13-3		t	EBS	EBS			2022/08/25 20:02:56	frei vom Grund, SZmax = 97,1kN	information	53° 13,121' N	161° 59,066' W	6880.430	0.1	199.4	11.1	94.5
SO293_13-3		t	EBS	EBS			2022/08/25 22:28:57		on deck	53° 13,130' N	161° 59,070' W	6880.460	0.2	201.3	12.7	50.2
SO293_13-3		t	EBS	EBS			2022/08/25 23:08:50		station end	53° 14,054' N	161° 59,100' W	6886.980	1.3	209.5	11.8	309.1
SO293_13-4		t	BC	BC			2022/08/25 23:23:05		station start	53° 14,162' N	161° 59,471' W	6886.490	0.3	206.1	11.3	249.8
SO293_13-4		t	BC	BC			2022/08/25 23:25:26		in the water	53° 14,162' N	161° 59,481' W	6886.460	0.1	206.4	12.8	4.1
SO293_13-4		t	BC	BC			2022/08/26 01:30:54	Boko, maxSL: 6930m	max depth/on ground	53° 14,162' N	161° 59,484' W	6886.820	0.1	197.1	15.0	157.1
SO293_13-4		t	BC	BC			2022/08/26 01:32:42	Beg. hieven, maxSZ: 94,4kN	hoisting	53° 14,164' N	161° 59,486' W	6885.650	0.1	201.6	13.8	21.0
SO293_13-4		t	BC	BC			2022/08/26 03:41:36		on deck	53° 14,171' N	161° 59,479' W	6886.170	0.1	232.4	14.5	331.5
SO293_13-4		t	BC	BC			2022/08/26 04:03:51		station end	53° 14,154' N	161° 59,487' W	6886.010	0.1	230.3	12.6	128.9
SO293_13-5		t	MUC	MUC			2022/08/26 05:13:44		station start	53° 05,361' N	162° 03,134' W	6338.970	0.1	231.6	11.7	313.5
SO293_13-5		t	MUC	MUC			2022/08/26 05:16:16		in the water	53° 05,366' N	162° 03,118' W	0.000	0.2	231.0	14.2	87.9
SO293_13-5		t	MUC	MUC			2022/08/26 07:11:58	SLmax = 6387m	max depth/on ground	53° 05,374' N	162° 03,156' W	6340.190	0.2	257.0	11.0	314.1
SO293_13-5		t	MUC	MUC			2022/08/26 07:12:44	SZmax = 92kN	hoisting	53° 05,374' N	162° 03,160' W	6339.850	0.3	251.6	10.5	305.1
SO293_13-5		t	MUC	MUC			2022/08/26 09:10:44		on deck	53° 05,356' N	162° 03,167' W	6339.920	0.2	261.6	9.2	103.2
SO293_13-5		t	MUC	MUC			2022/08/26 09:24:20		station end	53° 05,359' N	162° 03,168' W	6341.210	0.2	268.5	10.1	285.4
SO293_13-6		t	MUC	MUC			2022/08/26 09:24:39		station start	53° 05,360' N	162° 03,167' W	6342.140	0.2	275.5	10.3	299.3
SO293_13-6		t	MUC	MUC			2022/08/26 09:25:49		in the water	53° 05,359' N	162° 03,170' W	6341.500	0.2	270.4	8.1	246.8
SO293_13-6		t	MUC	MUC			2022/08/26 11:23:20	SLmax = 6392m	max depth/on ground	53° 05,348' N	162° 03,170' W	6341.990	0.2	265.9	9.7	268.6
SO293_13-6		t	MUC	MUC			2022/08/26 11:25:45	SZmax = 97,1kN	hoisting	53° 05,351' N	162° 03,171' W	6341.670	0.2	267.9	7.8	28.6
SO293_13-6		t	MUC	MUC			2022/08/26 13:29:19		on deck	53° 05,376' N	162° 03,165' W	6339.840	0.2	238.5	9.5	260.3
SO293_13-6		t	MUC	MUC			2022/08/26 13:34:54		station end	53° 05,400' N	162° 03,098' W	6339.930	0.7	240.0	9.3	59.7
SO293_13-7		t	EBS	EBS			2022/08/26 13:39:49		station start	53° 05,422' N	162° 03,041' W	6336.750	0.1	244.1	8.2	83.2
SO293_13-7		t	EBS	EBS			2022/08/26 13:51:51		in the water	53° 05,420' N	162° 03,039' W	6592.190	0.1	259.5	7.4	272.1
SO293_13-7		t	EBS	EBS			2022/08/26 16:36:12	BoKo bei SL = 6897m, Beginn Auslegen rwK =	max depth/on ground	53° 04,500' N	162° 07,229' W	6280.920	1.1	252.8	11.2	247.2
SO293_13-7		t	EBS	EBS			2022/08/26 17:09:49	SLmax = 7900m	information	53° 04,309' N	162° 08,096' W	6162.810	1.0	238.1	9.9	247.4
SO293_13-7		t	EBS	EBS			2022/08/26 17:18:15		hoisting	53° 04,268' N	162° 08,280' W	6168.240	0.2	248.5	9.5	30.5
SO293_13-7		t	EBS	EBS			2022/08/26 17:58:48	frei vom Grund, SZmax = 84kN	information	53° 04,279' N	162° 08,231' W	6168.050	0.0	254.2	11.6	63.3
SO293_13-7		t	EBS	EBS			2022/08/26 20:13:01		on deck	53° 04,297' N	162° 08,256' W	6167.300	0.1	247.9	10.5	297.8
SO293_13-7		t	EBS	EBS			2022/08/26 20:30:17		station end	53° 04,285' N	162° 08,242' W	6166.930	0.1	244.6	10.4	1.8
SO293_13-8		t	AGT	AGT			2022/08/26 21:32:30		station start	53° 06,823' N	161° 57,648' W	6197.880	0.9	249.8	11.0	222.3
SO293_13-8		t	AGT	AGT			2022/08/26 21:42:22		in the water	53° 06,766' N	161° 57,843' W	6199.790	1.2	253.3	9.3	253.9
SO293_13-8		t	AGT	AGT			2022/08/27 01:22:26	Boko, SL: 6875m	max depth/on ground	53° 05,510' N	162° 03,559' W	6346.360	0.9	253.0	10.7	260.7
SO293_13-8		t	AGT	AGT			2022/08/27 01:59:33	maxSL: 8000m	max depth/on ground	53° 05,298' N	162° 04,524' W	6355.710	0.9	246.1	9.2	257.6
SO293_13-8		t	AGT	AGT			2022/08/27 02:06:41	Schiff aufgestoppt, Beg. hieven	hoisting	53° 05,268' N	162° 04,667' W	6356.970	0.3	247.3	11.4	72.0
SO293_13-8		t	AGT	AGT			2022/08/27 03:06:42	AGT frei vom Grund, SL: 6350m, maxSZ: 92,4k	information	53° 05,258' N	162° 04,666' W	6356.060	0.1	257.5	9.7	115.0
SO293_13-8		t	AGT	AGT			2022/08/27 05:13:15		on deck	53° 05,296' N	162° 04,683' W	6356.750	0.1	223.3	9.4	93.6
SO293_13-8		t	AGT	AGT			2022/08/27 05:17:18		station end	53° 05,300' N	162° 04,688' W	6357.230	0.1	232.8	9.8	327.4
SO293_14-1		t	CTD	CTD			2022/08/27 07:23:15		station start	52° 47,422' N	161° 53,297' W	4910.150	0.5	231.1	11.1	260.1

SO293_14-1		t	CTD	CTD			2022/08/27 07:27:02	clean ship	in the water	52° 47,420' N	161° 53,300' W	4914.990	0.2	230.4	11.5	120.5
SO293_14-1		t	CTD	CTD			2022/08/27 08:57:51	SLmax = 4850m	max depth/on ground	52° 47,415' N	161° 53,294' W	4912.720	0.0	230.3	12.5	22.1
SO293_14-1		t	CTD	CTD			2022/08/27 11:17:39		on deck	52° 47,422' N	161° 53,308' W	4911.280	0.1	238.1	10.9	99.1
SO293_14-1		t	CTD	CTD			2022/08/27 11:21:46		station end	52° 47,410' N	161° 53,297' W	4913.580	0.5	247.5	9.4	205.8
SO293_14-2		t	EM122	EM122	Deep water multibeam		2022/08/27 12:15:22	rwk: 090°, d: 8,0sm	profile start	52° 52,164' N	161° 59,637' W	5299.310	7.7	276.3	5.8	86.0
SO293_14-2		t	EM122	EM122	Deep water multibeam		2022/08/27 13:38:50	rwk: 270°, d: 8,0sm	alter course	52° 49,350' N	161° 46,651' W	4974.600	7.2	278.8	15.7	198.2
SO293_14-2		t	EM122	EM122	Deep water multibeam		2022/08/27 15:02:58	rwk: 090°, d: 8,0sm	alter course	52° 45,919' N	161° 59,501' W	4985.770	8.0	267.8	10.1	130.2
SO293_14-2		t	EM122	EM122	Deep water multibeam		2022/08/27 16:26:14	rwk: 270°, d: 8,0sm	alter course	52° 42,609' N	161° 47,148' W	4853.940	7.4	279.0	8.2	253.3
SO293_14-2		t	EM122	EM122	Deep water multibeam		2022/08/27 17:26:32		profile end	52° 42,565' N	161° 59,804' W	4892.660	7.6	261.7	9.0	269.9
SO293_14-3		t	MSN	MSN	Multinet with fine, f		2022/08/27 18:19:29		station start	52° 47,370' N	161° 52,963' W	4914.790	1.0	281.8	9.2	286.6
SO293_14-3		t	MSN	MSN	Multinet with fine, f		2022/08/27 18:24:14	clean ship	in the water	52° 47,373' N	161° 52,999' W	4918.740	0.2	282.0	8.6	256.5
SO293_14-3		t	MSN	MSN	Multinet with fine, f		2022/08/27 20:25:05	SLmax = 4794m	max depth/on ground	52° 47,393' N	161° 53,074' W	4919.690	0.2	271.2	8.0	259.6
SO293_14-3		t	MSN	MSN	Multinet with fine, f		2022/08/27 22:32:16		on deck	52° 47,408' N	161° 53,047' W	4920.730	0.2	293.4	10.5	193.2
SO293_14-3		t	MSN	MSN	Multinet with fine, f		2022/08/27 22:33:09		station end	52° 47,404' N	161° 53,049' W	4923.160	0.2	292.2	10.6	180.8
SO293_14-4		t	OFOS	OFOS			2022/08/27 23:50:08		station start	52° 42,842' N	161° 48,975' W	4869.720	0.4	290.4	12.1	8.4
SO293_14-4		t	OFOS	OFOS			2022/08/27 23:52:26		in the water	52° 42,840' N	161° 48,977' W	4869.150	0.1	292.2	9.2	90.7
SO293_14-4		t	OFOS	OFOS			2022/08/27 23:56:22	Pinger bei SL = 25m	information	52° 42,840' N	161° 48,977' W	4876.690	0.1	284.5	10.6	93.5
SO293_14-4		t	OFOS	OFOS			2022/08/28 01:58:24	Bosi, SL: 4884m	max depth/on ground	52° 42,809' N	161° 49,165' W	4869.680	0.1	292.3	9.9	264.6
SO293_14-4		t	OFOS	OFOS			2022/08/28 02:06:20	rwk: 270°	profile start	52° 42,799' N	161° 49,179' W	4869.090	0.3	278.8	8.9	277.7
SO293_14-4		t	OFOS	OFOS			2022/08/28 04:04:27		profile end	52° 42,803' N	161° 50,496' W	4875.230	0.4	281.8	10.3	251.0
SO293_14-4		t	OFOS	OFOS			2022/08/28 04:15:38		hoisting	52° 42,799' N	161° 50,497' W	4875.120	0.1	285.5	9.6	100.3
SO293_14-4		t	OFOS	OFOS			2022/08/28 05:49:23	Posidonia a/D	information	52° 42,796' N	161° 50,480' W	4872.550	0.1	291.6	11.6	128.8
SO293_14-4		t	OFOS	OFOS			2022/08/28 05:52:46		on deck	52° 42,797' N	161° 50,479' W	4875.920	0.1	296.3	12.0	286.3
SO293_14-4		t	OFOS	OFOS			2022/08/28 06:05:25		station end	52° 42,797' N	161° 50,484' W	4876.100	0.1	292.5	11.8	68.9
SO293_14-5		t	EBS	EBS			2022/08/28 06:35:23		station start	52° 42,823' N	161° 46,156' W	4852.920	2.5	307.0	12.9	211.2
SO293_14-5		t	EBS	EBS			2022/08/28 06:40:58		in the water	52° 42,790' N	161° 46,274' W	4853.630	1.0	295.1	12.0	278.6
SO293_14-5		t	EBS	EBS			2022/08/28 08:45:09	SL = 5160m, Beginn Auslegen rwK = 270°	max depth/on ground	52° 42,803' N	161° 49,475' W	4875.000	1.0	303.3	14.3	270.2
SO293_14-5		t	EBS	EBS			2022/08/28 09:29:10	SLmax = 6400m	information	52° 42,804' N	161° 50,613' W	4873.590	1.1	303.7	14.8	271.5
SO293_14-5		t	EBS	EBS			2022/08/28 09:36:51	Schiff aufgestoppt, Ende Auslage	information	52° 42,803' N	161° 50,757' W	4873.040	0.1	303.1	13.7	198.1
SO293_14-5		t	EBS	EBS			2022/08/28 09:37:31		hoisting	52° 42,802' N	161° 50,756' W	4873.840	0.1	301.3	14.2	78.9
SO293_14-5		t	EBS	EBS			2022/08/28 10:26:06	frei vom Grund, SZmax = 69,2kN	information	52° 42,802' N	161° 50,752' W	4871.740	0.2	309.0	14.6	162.6
SO293_14-5		t	EBS	EBS			2022/08/28 12:04:36		on deck	52° 42,786' N	161° 50,656' W	5127.730	0.5	302.8	14.9	107.1
SO293_14-5		t	EBS	EBS			2022/08/28 12:20:58		station end	52° 42,791' N	161° 50,574' W	4872.030	0.6	312.7	12.9	67.9
SO293_14-6		t	BC	BC			2022/08/28 12:25:19		station start	52° 42,797' N	161° 50,529' W	4872.830	0.4	305.7	13.8	26.5
SO293_14-6		t	BC	BC			2022/08/28 12:37:18		in the water	52° 42,806' N	161° 50,479' W	4872.850	0.0	314.7	11.4	33.3
SO293_14-6		t	BC	BC			2022/08/28 14:05:46	Boko, maxSL: 4910m	max depth/on ground	52° 42,813' N	161° 50,480' W	4872.490	0.2	305.9	15.6	297.2
SO293_14-6		t	BC	BC			2022/08/28 14:07:55	Beg. hieven, maxSZ: 74,4kN	hoisting	52° 42,813' N	161° 50,475' W	4871.890	0.2	303.9	14.2	113.7
SO293_14-6		t	BC	BC			2022/08/28 15:45:14		on deck	52° 42,799' N	161° 50,491' W	4871.650	0.2	324.5	14.4	228.0
SO293_14-6		t	BC	BC			2022/08/28 15:55:49		station end	52° 42,806' N	161° 50,489' W	5122.180	0.5	313.4	12.9	313.4
SO293_14-7		t	MUC	MUC			2022/08/28 15:57:48		station start	52° 42,807' N	161° 50,490' W	4872.090	0.4	314.3	14.0	132.5
SO293_14-7		t	MUC	MUC			2022/08/28 16:09:53		in the water	52° 42,813' N	161° 50,480' W	4871.060	0.2	313.2	13.5	208.7
SO293_14-7		t	MUC	MUC			2022/08/28 17:37:31	SLmax = 4913m	max depth/on ground	52° 42,808' N	161° 50,485' W	4871.480	0.1	322.6	14.7	180.7
SO293_14-7		t	MUC	MUC			2022/08/28 17:38:48	SZmax = 85kN	hoisting	52° 42,810' N	161° 50,486' W	4872.770	0.1	318.8	11.8	51.5
SO293_14-7		t	MUC	MUC			2022/08/28 19:12:07		on deck	52° 42,811' N	161° 50,490' W	4870.720	0.2	316.6	14.2	312.3
SO293_14-7		t	MUC	MUC			2022/08/28 19:19:49		station end	52° 42,812' N	161° 50,481' W	4873.500	0.1	311.8	13.6	5.9
SO293_14-8		t	MUC	MUC			2022/08/28 19:20:10		station start	52° 42,813' N	161° 50,479' W	4872.720	0.3	315.2	11.1	50.3
SO293_14-8		t	MUC	MUC			2022/08/28 19:28:10		in the water	52° 42,815' N	161° 50,484' W	4871.810	0.0	314.9	14.0	276.6
SO293_14-8		t	MUC	MUC			2022/08/28 20:58:41	SLmax = 4917m	max depth/on ground	52° 42,813' N	161° 50,493' W	4871.490	0.2	332.2	12.8	244.3
SO293_14-8		t	MUC	MUC			2022/08/28 21:00:10	SZmax = 72,4kN	hoisting	52° 42,808' N	161° 50,494' W	4872.470	0.3	332.1	10.9	165.4
SO293_14-8		t	MUC	MUC			2022/08/28 22:30:02		on deck	52° 42,792' N	161° 50,534' W	4872.900	0.1	345.5	10.9	309.4
SO293_14-8		t	MUC	MUC			2022/08/28 23:17:51		station end	52° 42,795' N	161° 50,522' W	4872.430	0.2	334.6	12.7	300.3
SO293_14-9		t	EBS	EBS			2022/08/28 23:56:21		station start	52° 40,845' N	161° 47,805' W	4839.960	0.2	337.0	13.2	325.6

SO293_14-9		t	EBS	EBS			2022/08/28 23:59:42		in the water	52° 40,896' N	161° 47,865' W	4841.230	1.0	336.2	11.3	328.7
SO293_14-9		t	EBS	EBS			2022/08/29 02:04:14	Boko, SL: 5214m	max depth/on ground	52° 42,478' N	161° 50,036' W	4871.230	1.1	340.6	11.6	312.8
SO293_14-9		t	EBS	EBS			2022/08/29 02:48:19	Schiff aufgestoppt, Beg. hieven, maxSL: 6300m	hoisting	52° 43,011' N	161° 50,772' W	4876.390	0.2	337.7	13.0	170.6
SO293_14-9		t	EBS	EBS			2022/08/29 03:36:42	EBS frei vom Grund, SL: 4870m, maxSZ: 71,0k	information	52° 43,015' N	161° 50,764' W	4878.220	0.4	336.6	11.1	148.1
SO293_14-9		t	EBS	EBS			2022/08/29 05:07:53		on deck	52° 43,010' N	161° 50,773' W	4875.070	0.1	337.6	14.5	174.9
SO293_14-9		t	EBS	EBS			2022/08/29 05:25:11		station end	52° 43,017' N	161° 50,770' W	4877.200	0.1	338.7	9.3	291.7
SO293_14-10		t	AGT	AGT			2022/08/29 06:02:03		station start	52° 40,081' N	161° 47,841' W	4833.970	1.2	335.3	12.3	161.2
SO293_14-10		t	AGT	AGT			2022/08/29 06:16:17		in the water	52° 40,179' N	161° 47,981' W	4833.580	1.0	335.8	13.5	326.2
SO293_14-10		t	AGT	AGT			2022/08/29 09:14:10	SL = 5244m; Beginn Auslage mit rwk = 320°	max depth/on ground	52° 42,407' N	161° 51,023' W	4867.870	0.9	345.0	14.3	322.1
SO293_14-10		t	AGT	AGT			2022/08/29 09:46:49	SLmax = 6200m	information	52° 42,811' N	161° 51,578' W	4872.440	0.8	342.2	10.9	314.7
SO293_14-10		t	AGT	AGT			2022/08/29 09:54:55	Schiff aufgestoppt	information	52° 42,906' N	161° 51,714' W	4880.220	0.3	348.8	12.4	10.9
SO293_14-10		t	AGT	AGT			2022/08/29 09:55:15	SZmax = 67,9kN	hoisting	52° 42,905' N	161° 51,713' W	4879.280	0.2	347.1	13.1	161.4
SO293_14-10		t	AGT	AGT			2022/08/29 10:30:16	frei vom Grund	information	52° 42,903' N	161° 51,718' W	4876.740	0.2	345.3	11.4	355.9
SO293_14-10		t	AGT	AGT			2022/08/29 12:17:01		on deck	52° 42,888' N	161° 51,705' W	4878.410	0.1	330.9	10.9	177.0
SO293_14-10		t	AGT	AGT			2022/08/29 12:22:59		station end	52° 42,890' N	161° 51,713' W	4880.540	0.3	329.5	11.7	28.6
SO293_0_Underway-3		t	EBS	EBS			2022/08/29 18:24:41		station start	53° 30,822' N	161° 09,700' W	6178.010	1.6	331.6	16.2	327.5
SO293_0_Underway-3		t	EBS	EBS			2022/08/31 14:55:34		station end	52° 51,081' N	156° 03,529' W	4482.360	9.5	228.1	12.6	102.5
SO293_15-1		t	EBS	EBS			2022/08/29 18:25:14		station start	53° 30,831' N	161° 09,711' W	6177.260	1.1	328.2	15.8	332.4
SO293_15-1		t	EBS	EBS			2022/08/29 18:30:51		in the water	53° 30,896' N	161° 09,812' W	6181.800	0.9	322.5	14.4	327.8
SO293_15-1		t	EBS	EBS			2022/08/29 21:06:19	SL = 6757m, Beginn Auslage mit rwk = 310°	max depth/on ground	53° 32,561' N	161° 13,125' W	6270.800	0.8	305.6	10.1	325.5
SO293_15-1		t	EBS	EBS			2022/08/29 21:43:32	SLmax = 7900m	information	53° 32,956' N	161° 13,917' W	6266.490	1.1	322.1	15.1	307.2
SO293_15-1		t	EBS	EBS			2022/08/29 21:51:28	Schiff aufgestoppt, Ende Auslage	information	53° 33,037' N	161° 14,075' W	6269.250	0.1	316.8	10.8	216.5
SO293_15-1		t	EBS	EBS			2022/08/29 21:52:19	SZmax = 89,7kN	hoisting	53° 33,033' N	161° 14,069' W	6267.370	0.4	313.9	14.4	150.3
SO293_15-1		t	EBS	EBS			2022/08/29 22:39:30	frei von Grund, SL = 6570m	information	53° 33,032' N	161° 14,090' W	6267.810	0.2	329.6	9.6	233.0
SO293_15-1		t	EBS	EBS			2022/08/30 00:48:03		on deck	53° 33,051' N	161° 14,070' W	6252.000	0.1	318.3	10.2	347.6
SO293_15-1		t	EBS	EBS			2022/08/30 01:12:39		station end	53° 33,053' N	161° 14,073' W	6271.430	0.1	325.7	8.4	233.9
SO293_15-2		t	AGT	AGT			2022/08/30 01:50:48		station start	53° 31,158' N	161° 08,561' W	6103.330	0.9	327.3	7.0	303.6
SO293_15-2		t	AGT	AGT			2022/08/30 01:56:43		in the water	53° 31,209' N	161° 08,668' W	6102.340	0.9	329.5	6.5	308.6
SO293_15-2		t	AGT	AGT			2022/08/30 05:51:39	BoKo bei SL = 6627m, Beginn Auslegen rwk = 310°	max depth/on ground	53° 33,008' N	161° 13,804' W	6265.300	0.9	290.6	10.2	299.7
SO293_15-2		t	AGT	AGT			2022/08/30 06:35:24	SLmax = 7900m	information	53° 33,360' N	161° 14,827' W	6275.080	1.0	326.2	9.0	295.0
SO293_15-2		t	AGT	AGT			2022/08/30 06:43:29		hoisting	53° 33,421' N	161° 14,998' W	6530.810	0.2	316.6	8.7	206.2
SO293_15-2		t	AGT	AGT			2022/08/30 07:28:08	frei vom Grund, SZmax = 94kN	information	53° 33,420' N	161° 15,000' W	6278.970	0.2	325.2	9.0	119.9
SO293_15-2		t	AGT	AGT			2022/08/30 09:53:46		on deck	53° 33,421' N	161° 14,997' W	6280.560	0.1	299.9	8.0	279.3
SO293_15-2		t	AGT	AGT			2022/08/30 09:57:20		station end	53° 33,423' N	161° 14,988' W	6276.960	0.0	299.7	8.5	129.7
SO293_15-3		t	BC	BC			2022/08/30 10:33:36		station start	53° 32,674' N	161° 12,778' W	6268.410	0.5	307.2	9.3	154.5
SO293_15-3		t	BC	BC			2022/08/30 10:35:12		in the water	53° 32,671' N	161° 12,789' W	6265.750	0.1	309.2	8.0	274.5
SO293_15-3		t	BC	BC			2022/08/30 12:30:21	Boko, maxSL: 6310m	max depth/on ground	53° 32,675' N	161° 12,857' W	6267.890	0.1	275.9	7.1	87.3
SO293_15-3		t	BC	BC			2022/08/30 12:32:08	Beg. hieven, maxSZ: 95,7kN	hoisting	53° 32,678' N	161° 12,855' W	6269.350	0.2	273.6	7.5	32.9
SO293_15-3		t	BC	BC			2022/08/30 14:34:55		on deck	53° 32,686' N	161° 12,848' W	6266.230	0.1	267.1	5.9	120.4
SO293_15-3		t	BC	BC			2022/08/30 14:47:18		station end	53° 32,679' N	161° 12,855' W	6265.350	0.0	262.7	6.7	231.1
SO293_15-4		t	MUC	MUC			2022/08/30 14:48:03		station start	53° 32,679' N	161° 12,856' W	6270.090	0.1	262.8	8.3	206.6
SO293_15-4		t	MUC	MUC			2022/08/30 14:55:52		in the water	53° 32,682' N	161° 12,857' W	6266.380	0.3	253.7	8.4	1.2
SO293_15-4		t	MUC	MUC			2022/08/30 16:47:05	SLmax = 6319m	max depth/on ground	53° 32,685' N	161° 12,856' W	6265.270	0.0	238.5	8.8	256.4
SO293_15-4		t	MUC	MUC			2022/08/30 16:48:35	SZmax = 96kN	hoisting	53° 32,686' N	161° 12,855' W	6266.880	0.1	236.7	8.6	324.5
SO293_15-4		t	MUC	MUC			2022/08/30 18:50:13		on deck	53° 32,688' N	161° 12,860' W	6521.120	0.0	211.6	11.5	330.9
SO293_15-4		t	MUC	MUC			2022/08/30 19:06:24		station end	53° 32,686' N	161° 12,851' W	6267.090	0.1	213.2	12.4	210.6
SO293_0_Underway-4		f	WISS-	WISS-DATA	Virtual device for one-	f	2022/08/31 16:22:57		station start	52° 48,016' N	155° 40,740' W	0.000	12.0	228.1	14.4	102.8