Mooring Assets in the Pacific Arctic

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Last Updated	Institution	PI/point of contact	Email	Mooring/Program Name	Intended Deployment	Lat deg (N)	Lat min (N)	Lon deg (W)	Lon min (W)	Lat dec (N)	Lon dec (W)	Bottom Depth (m)	Top float depth (m)	Variables measured on the mooring	Comments
10/18/2022	**WHOI**	Bob Pickart	rpickart@whoi.edu	AON/BS3	2022-2024	71	23.667	152	3.080	71.394	-152.051	147.0	35.0	temperature,salinity, pressure, water velocity, ice velocity, nitrate, fluorescence, acoustic backscatter, ice draft, marine mammal calls	
10/11/2023	**WHOI**	Isabela LeBras; Mary-Louise Timmermans	ilebras@whoi.edu; mary-louise.timmermans@yale.edu	BGOS-A	2022-2023	74	59.956	149	59.629	74.999	-149.994	3823.0	30.0	ULS, ADCP, SAMI-CO2, SAMI-pH, AWACs, 2 x MMP provide CTD + current velocity profiles from 50 to 2500m.	
10/11/2023	**WHOI**	Isabela LeBras; Mary-Louise Timmermans	ilebras@whoi.edu; mary-louise.timmermans@yale.edu	BGOS-B	2022-2023	78	0.001	150	0.010	78.000	-150.000	3828.0	30.0	ULS, ADCP, SAMI-CO2, SAMI-pH, 2 x MMP provide CTD + current velocity profiles from 50 to 2500m.	
10/11/2023	**WHOI**	Isabela LeBras; Mary-Louise Timmermans	ilebras@whoi.edu; mary-louise.timmermans@yale.edu	BGOS-D	2022-2023	73	59.993	140	2.897	74.000	-140.048	3527.0	30.0	ULS, ADCP, SAMI-CO2, SAMI-pH, AWACs, 2 x MMP provide CTD + current velocity profiles from 50 to 2500m.	
4/18/2023	**WHOI/UAF**	Steve Okkonen/Carin Ashjian	cashjian@whoi.edu	UPE120	2017-?	71	12.338	148	48.018	71.206	-148.800	121.9	114.0		Mooring "lost", could not recover in 2018, 2019, 2020
7/24/2023	**University of Washington**	Rebecca Woodgate	woodgate@uw.edu	A2-21	2021-2023	65	46.85	168	34.09	65.781	-168.568	57.0	15.0		Mooring "lost", could not recover in 2023
7/24/2023	**University of Washington**	Rebecca Woodgate	woodgate@uw.edu	A3-23	2023-2024	66	19.6	168	56.94	66.327	-168.949	58.0	7.0	moorings carry steel floats; EG&G acoustic releases; acoustic current meters (RDI) sending at ca.300kHz; some whale acoustic recorders; some nutrient, oxygen and fluorescence optical sensors; and temperature and salinity sensors (Seabird), and upper level temperature and salinity sensors (UW-ISCATs)	Note: top float shallower than others
7/24/2023	**University of Washington**	Rebecca Woodgate	woodgate@uw.edu	A2-23	2023-2024	65	46.86	168	34.06	65.781	-168.568	56.0	15.0	moorings carry steel floats; EG&G acoustic releases; acoustic current meters (RDI) sending at ca.300kHz; some whale acoustic recorders; some nutrient, oxygen and fluorescence optical sensors; and temperature and salinity sensors (Seabird), and upper level temperature and salinity sensors (UW-ISCATs)	
7/24/2023	**University of Washington**	Rebecca Woodgate	woodgate@uw.edu	A4-23	2023-2024	65	44.76	168	15.76	65.746	-168.263	49.0	15.0	moorings carry steel floats; EG&G acoustic releases; acoustic current meters (RDI) sending at ca.300kHz; some whale acoustic recorders; some nutrient, oxygen and fluorescence optical sensors; and temperature and salinity sensors (Seabird), and upper level temperature and salinity sensors (UW-ISCATs)	
10/17/2023	**NOAA/AFSC**	Catherine Berchok	Catherine.Berchok@noaa.gov	NM1	2023-2024	64	51.494	168	26.885	64.858	-168.448	44	37.0	temperature, pressure, passive acoustics	First deployed 2012
10/17/2023	**NOAA/AFSC**	Catherine Berchok	Catherine.Berchok@noaa.gov	IC3/C3	2023-2024	71	49.838	166	1.092	71.831	-166.018	44	37.0	temperature, pressure, passive acoustics	First deployed 2010
10/17/2023	**NOAA/AFSC**	Catherine Berchok	Catherine.Berchok@noaa.gov	IC1/C1	2023-2024	70	50.100	163	7.542	70.835	-163.126	44	37.0	temperature, pressure, passive acoustics	First deployed 2010
10/17/2023	**NOAA/AFSC**	Catherine Berchok	Catherine.Berchok@noaa.gov	PB1 /C5	2023-2024	71	12.259	158	0.000	71.204	-158.000	48	41.0	temperature, pressure, passive acoustics	First deployed 2013
10/17/2023	**NOAA/AFSC**	Catherine Berchok	Catherine.Berchok@noaa.gov	BF2	2023-2024	71	45.243	154	28.56	71.754	-154.476	105	98.0	temperature, pressure, passive acoustics	First deployed 2007
10/12/2023	**NOAA/PMEL**	Phyllis Stabeno	phyllis.stabeno@noaa.gov	CKP/C12	2023-2024	67	54.62076	168	11.05614	67.910	-168.184	59	48.0	T, S, nitrate, adcp, oxygen, fluorescence	
10/12/2023	**NOAA/PMEL**	Phyllis Stabeno	phyllis.stabeno@noaa.gov	CKP/C15	2023-2024	72	18.588	167	16.25	72.310	-167.271	60	40.0	T, S, adcp, oxygen, fluorescence	
10/12/2023	**NOAA/PMEL**	Phyllis Stabeno	phyllis.stabeno@noaa.gov	M14	2023-2024	64	0	167	55.52	64.000	-167.925	38	30.0	T, S, adcp, oxygen, fluorescence	
10/12/2023	**NOAA/PMEL**	Phyllis Stabeno	phyllis.stabeno@noaa.gov	CKP/4	2023-2024	71	2.58	160	29.7	71.043	-160.495	50	42.0	T, S, adcp, oxygen, fluorescence	
10/12/2023	**NOAA/PMEL**	Phyllis Stabeno	phyllis.stabeno@noaa.gov	CKP/C3	2023-2024	71	49.694	166	3.979	71.828	-166.066	45	35.0	T, S, nitrate, adcp, oxygen, fluorescence	
10/12/2023	**NOAA/PMEL**	Phyllis Stabeno	phyllis.stabeno@noaa.gov	CKP/C2	2023-2024	71	12.94	164	15.394	71.216	-164.257	44	35.0	T, S, nitrate, adcp, oxygen, fluorescence	
10/12/2023	**NOAA/PMEL**	Phyllis Stabeno	phyllis.stabeno@noaa.gov	CKP/C1	2023-2024	70	50.163	163	7.765	70.836	-163.129	44	35.0	T, S, nitrate, adcp, oxygen, fluorescence	
10/12/2023	**NOAA/PMEL**	Phyllis Stabeno	phyllis.stabeno@noaa.gov	ckp/C9	2023-2024	72	28.21	156	33.51	72.470	-156.559	1000	300.0	T, S, nitrate, adcp, sound (haruphone)	
10/12/2023	**NOAA/PMEL**	Phyllis Stabeno	phyllis.stabeno@noaa.gov	CKP/C5	2023-2024	71	15.566	157	59.943	71.259	-157.999	49	41.0	T, S, nitrate, adcp, oxygen, fluorescence	
10/11/2023	**UAF**	Seth Danielson	sldanielson@alaska.edu	CEO1-23	2023-2024	71	35.026	161	29.974	71.584	-161.500	46	33.0	Underwater Sound, CTD (x2), Water Sampler for major macronutrients and eDNA	First deployed 2014
10/11/2023	**UAF**	Seth Danielson	sldanielson@alaska.edu	CEO2-23	2023-2024	71	36.042	161	32.451	71.601	-161.541	46	33.0	pH, pCO2, Dissolved Oxygen, CTD, NO3, Sediment trap, CDOM, Chlorophyll a, Optical Backscatter	First deployed 2015
10/11/2023	**UAF**	Seth Danielson	sldanielson@alaska.edu	CEO3-23 (tripod)	2023-2024	71	36.000	161	27.635	71.600	-161.461	46	44.0	Acoustic backscatter, Current Speed/Direction, CTD, Benthic Camera	First deployed 2022
10/11/2023	**UAF**	Seth Danielson	sldanielson@alaska.edu	CEO4-23 (BIOPOLE)	2023-2024	71	36.042	161	29.974	71.601	-161.500	46	34.0	Major macronutrients, eDNA?	First deployed 2023
4/20/2023	**JAMSTEC**	Motoyo Itoh	motoyo@jamstec.go.jp	BCE22	2022-2024	71	40.385	154	59.988	71.673	-155.000	108.0	19.0	Temperature, Salinity, Pressure, Water velocity	
4/20/2023	**JAMSTEC**	Motoyo Itoh	motoyo@jamstec.go.jp	BCC22	2022-2024	71	44.067	155	9.840	71.734	-155.164	290.0	20.0	Temperature, Salinity, Pressure, Water velocity, oxygen, fluoro	
4/20/2023	**JAMSTEC**	Motoyo Itoh	motoyo@jamstec.go.jp	BCW22	2022-2024	71	47.781	155	20.812	71.796	-155.347	169.0	15.0	Temperature, Salinity, Pressure, Water velocity	
10/8/2023	**JAMSTEC**	Jonaotaro Onodera	onoderaj@jamstec.go.jp	NAP23t	2023-2024	74	31.375	161	56.536	74.523	-161.942	1685.0	35.0	temperature, salinity, pressure, water velocity, IPS-5, oxygen, fluoro, turbidity, pH, sediment trap	
4/18/2023	**Fisheries and Oceans Canada**	Bill Williams	Bill.Williams@dfo-mpo.gc.ca	CP22	2022-2023	68	27.657	113	23.301	68.46095	-113.388	45	41	Torsionally rigid ADCP mooring on bottom mount (SBE37P,TCM-1, RDI WHS600)	Cache Point
4/18/2023	**Fisheries and Oceans Canada**	Bill Williams	Bill.Williams@dfo-mpo.gc.ca	BP22	2022-2023	69	50.918	123	38.419	69.84863	-123.640	142	136	Sound trap hydrophone mooring (RBR Concerto, ST600)	Bennett Point (DFO for Wildlife Conservation Society Canada)
4/18/2023	**Fisheries and Oceans Canada**	Bill Williams	Bill.Williams@dfo-mpo.gc.ca	WC22	2022-2023	70	23.622	124	32.456	70.39370	-124.541	156	150	Sound trap hydrophone mooring (SBE37SMP, ST500,PORT MFE x2)	Cape Parry (DFO for Wildlife Conservation Society Canada)
4/18/2023	**Fisheries and Oceans Canada**	Bill Williams	Bill.Williams@dfo-mpo.gc.ca	AT22-01	2022-2023	70	34.771	127	38.229	70.57952	-127.637	66	61	AZFP mooring (ST600, SBE37SM, AZFP)	Cape Bathurst-shallow (DFO-FWI)
4/18/2023	**Fisheries and Oceans Canada**	Bill Williams	Bill.Williams@dfo-mpo.gc.ca	AT22-02	2022-2023	70	40.878	126	52.248	70.68130	-126.871	295	290	AZFP mooring (ST500, SBE37SM, AZFP)	Cape Bathurst - deep (DFO-FWI)
4/18/2023	**Fisheries and Oceans Canada**	Bill Williams	Bill.Williams@dfo-mpo.gc.ca	AT22-03	2022-2023	70	02.460	126	18.416	70.04100	-126.307	233	227	AZFP mooring (AZFP, SBE37SMP)	Franklin Bay (DFO-FWI)
4/18/2023	**Fisheries and Oceans Canada**	Bill Williams	Bill.Williams@dfo-mpo.gc.ca	CB22	2022-2023	70	33.783	127	41.678	70.56305	-127.695	40	37	Torsionally rigid ADCP mooring on bottom mount (WQMx, WHS300, TCM-1)	Cape Bathurst
4/18/2023	**Fisheries and Oceans Canada**	Bill Williams	Bill.Williams@dfo-mpo.gc.ca	BSM22-1a	2022-2023	70	20.035	133	44.359	70.33392	-133.739	56	53	IPS mooring (SBE37SMP, IPS-5)	site 1
4/18/2023	**Fisheries and Oceans Canada**	Bill Williams	Bill.Williams@dfo-mpo.gc.ca	BSM22-1b	2022-2023	70	20.034	133	44.427	70.33390	-133.740	56	53	NB-ADCP mooring (ST600, NB-ADCP)	site 1
4/18/2023	**Fisheries and Oceans Canada**	Bill Williams	Bill.Williams@dfo-mpo.gc.ca	BSM22-2	2022-2023	70	59.358	133	44.651	70.98930	-133.744	111	39	NB-ADCP mooring (SBE37SM, NB-ADCP, SBE37SM, IPS-5)	site 2
4/18/2023	**Fisheries and Oceans Canada**	Bill Williams	Bill.Williams@dfo-mpo.gc.ca	BSM22-9a	2022-2023	70	03.540	133	42.961	70.05900	-133.716	37	34	IPS mooring (IPS-5)	site 9
4/18/2023	**Fisheries and Oceans Canada**	Bill Williams	Bill.Williams@dfo-mpo.gc.ca	BSM22-9b	2022-2023	70	03.502	133	42.921	70.05837	-133.715	36	32	WHS mooring (SBE37sm, WHS300)	site 9
4/18/2023	**Fisheries and Oceans Canada**	Bill Williams	Bill.Williams@dfo-mpo.gc.ca	BSM22-11	2022-2023	69	46.505	137	02.782	69.77508	-137.046	36	33	IPS mooring (SBE37SMP, IPS-5)	site 11
4/18/2023	**Fisheries and Oceans Canada**	Bill Williams	Bill.Williams@dfo-mpo.gc.ca	HI22	2022-2023	69	39.300	138	55.260	69.65500	-138.921	43	40	Torsionally rigid ADCP mooring on bottom mount (SBE37sm, ST500, TCM-1, WHS600)	Herschel Island
4/18/2023	**Fisheries and Oceans Canada**	Bill Williams	Bill.Williams@dfo-mpo.gc.ca	AIM22	2022-2023	75	05.238	168	00.143	75.08730	-168.002	160	36	WHS & IPS mooring w/ Aural (ST600, Aural, SPMD, SBE37smp, IPS, SBE37smp, WHS300)	Chukchi plateau
4/17/2023	**UAF**	Steve Okkonen/Carin Ashjian	cashjian@whoi.edu	WBC	Aug 2023 - present	71	37.867	157	19.800	71.63112	-157.330	70.0	65.0	CTD, ADCP, Passive acoustic recorder	
4/17/2023	**UAF**	Steve Okkonen/Carin Ashjian	cashjian@whoi.edu	WBC - AZFP	Aug 2023 - present	71	36.099	157	27.244	71.60165	-157.454	70.0	TBD	AZFP	AZFP Mooring
4/17/2023	**UAF**	Steve Okkonen/Carin Ashjian	cashjian@whoi.edu	WDD	Aug 2023 - present	71	24.243	152	43.581	71.40405	-152.726	87.1	77.0	CTD, ADCP, Passive acoustic recorder	
4/17/2023	**UAF**	Steve Okkonen/Carin Ashjian	cashjian@whoi.edu	WDD-AZFP	Aug 2023 - present	71	24.250	152	40.977	71.40417	-152.683	~90	TBD	AZFP	AZFP Mooring
~~4/17/2023~~	~~**UAF**~~	~~Steve Okkonen/Carin Ashjian~~	~~cashjian@whoi.edu~~	~~PrudhoeDeep~~	~~Aug 2022 - present~~	~~70~~	~~50.089~~	~~146~~	~~23.655~~	70.83482	-146.394	~~63.9~~	~~58.0~~	~~CTD, ADCP, Passive acoustic recorder~~	
~~4/18/2023~~	~~**UW APL / WHOI**~~	~~Jim Thomson / Maddie Smith~~	~~jthomson@apl.washington.edu / madisonmsmith@whoi.edu~~	~~CODAS 1~~	~~Apr Sep, 2023~~	~~70~~	~~33.565~~	~~150~~	~~0.425~~	70.55942	-150.007	~~6~~	~~5~~	~~Pressure and temp~~	calibration for DAS cable, Recovered on 19 Sep 2023
~~4/18/2023~~	~~**UW APL / WHOI**~~	~~Jim Thomson / Maddie Smith~~	~~jthomson@apl.washington.edu / madisonmsmith@whoi.edu~~	~~CODAS 2~~	~~Apr Sep, 2023~~	~~70~~	~~39.277~~	~~150~~	~~0.006~~	70.65462	-150.000	~~12~~	~~11~~	~~Pressure and temp~~	calibration for DAS cable, Recovered on 19 Sep 2023

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~~4/18/2023~~	~~**UW-APL / WHOI**~~	~~Jim Thomson / Maddie Smith~~	~~jthomson@apl.washington.edu / madisonmsmith@whoi.edu~~	~~CODAS 3~~	~~Apr-Sep, 2023~~	~~70~~	~~44.365~~	~~150~~	~~0.181~~	70.73942	-150.003	~~20~~	~~19~~	~~Pressure and temp~~	calibration for DAS cable, Recovered on 19 Sep 2023
10/12/2023	**KOPRI**	Kyoung-Ho Cho	kcho@kopri.re.kr	KAMS1-2023	2023-2024	75	48.206	177	3.901	75.80343	-177.065	518.0	25.0	MicroCATs, T-loggers, ADCP, SUNA, RBR-bios, AZFP, Sediment traps	in the water
10/12/2023	**KOPRI**	Kyoung-Ho Cho	kcho@kopri.re.kr	KAMS2-2023	2023-2024	75	14.320	171	0.853	75.23867	-171.014	509.0	25.0	MicroCATs, T-loggers, ADCP, RBR-bios, Sediment traps	in the water
10/12/2023	**KOPRI**	Kyoung-Ho Cho	kcho@kopri.re.kr	KAMS4-2023	2023-2024	75	1.421	165	21.734	75.02368	-165.362	544.0	25.0	MicroCATs, T-loggers, ADCPs, SUNA, RBR-bios, Sediment traps, Hydrophone	in the water
10/12/2023	**KOPRI**	Kyoung-Ho Cho	kcho@kopri.re.kr	KAMS5-2023	2023-2024	75	0.083	179	59.853	75.00138	-179.998	517.0			
10/12/2023	**KOPRI**	Kyoung-Ho Cho	kcho@kopri.re.kr	KAMS5-2022	2022-2024	75	12.368	179	59.423	75.20613	-179.990	557.0	25.0	MicroCATs, T-loggers, ADCP, SUNA, RBR-bios, Sediment traps	in the water
10/12/2023	**KOPRI**	Kyoung-Ho Cho	kcho@kopri.re.kr	ESS-H-2023	2023-2024	74	41.684	174	36.258	74.69473	-174.604	70.0	50.0	Hydrophone, RBR-TD	in the water
10/12/2023	**KOPRI**	Kyoung-Ho Cho	kcho@kopri.re.kr	ESS-I-2023	2023-2024	74	42.031	174	31.162	74.70052	-174.519	70.0	48.0	MicroCATs, RBR-TD, ADCP, IPS	in the water