Last Update Entry	Vessel Name	Research Vessel Status	Depart Date	Depart Location	Arrive Date	Arrive Location	Sampling Stations or Cruise track	Research Location/Area of Operation (e.g. Bering Sea, Chukchi Sea, etc.)	Funding Agencies	Program/Division	Research Contact Name	Research Contact Affiliation	Research Contact Email	Vessel Operator POC	Vessel Operator Email	Project Title	Brief Description of Activities	Cruise Website or Project Link (if available)	Where will the data be archived - Database or repository of cruise data
3/15/2022	Sikuliaq	Underway	4/19/2022	Seward	5/8/2022	Seward	https://www.iarpccollaborations.org/uploads/cms/images/2.lter-april19may8-fullsize.jpg	Northern Gulf of Alaska. From/to Seward, AK. Inner shelf to slope transects from Kodiak Island to east of Kayak Island	NSF	Ocean Science	Russell R. Hopcroft	University of Alaska	rrhopcroft@alaska.edu	Doug Baird	ddbaird2@alaska.edu	LTER: Resiliency in the Environmental Mosaic of the Northern Gulf of Alaska Ecosystem	Investigation on physical and biogeochemical changes that affect initiation and evolution of spring bloom in the Northern Gulf of Alaska. This will contribute to our understanding of what regulates this highly productive ecosystem that supports part of the nation's largest fishery. There is also a June/July cruise related to this project.	https://nga.lternet.edu/	https://search.dataone.org/portals/NGALTER
3/23/2022	Tiglax	Underway	4/28/2022	Homer		Separate cruise segments: Islands visited - Sugarloaf, Marmot, East Amatuli, Chowiet, Aiktak, Adak, Buldir, Shemya, Nizki, Alaid, Buldir, Attu, G Sitkin, Unalaska, Kaligagan, Egg, Bogoslof, Poa, Puffin, Baby, Agattu, St George, St Paul, Amchitka	General track line includes Homer to Sitka to western Aleutians to Pribilof Islands	Aleutian Islands and Alaska peninsula coastal waters	USFWS, NMFS, Alaska Volcano Observatory		Williams, Jeff	USFWS	jeff_williams@fws.gov	jeff_williams@fws.gov	jeff_williams@fws.gov	Seabird and marine mamal surveys	Seabird and marine mamal surveys around western and eastern Aleutians. Greatest diversities and abundances of marine birds and mammals occur near continental coastlines, on islands, and within coastal bays and estuaries. This survey will look at how seabird and mammal populations are affected by climate-induced changes as well as human activities.		
3/24/22	Oscar Dyson	Underway	5/2/2022	Dutch Harbor	5/14/2022	Dutch Harbor	TBC	E Bering Sea & Gulf of Alaska	NOAA	PMEL	Phyllis Stabeno	NOAA	phyllis.stabeno@noaa.gov	LCDR Laura Gibson	ChiefOps.MOP@noaa.gov	EcoFOCI Spring Mooring Cruise	This cruise will be used to deploy spring surface moorings as well as to maintain existing ones in the East Bering Sea and Gulf of Alaska. Profile datasets on temperature, salinity, productivity among others will also be collected up to the ice edge. Larval surveys in the area of the Pribilof Islands will also be conducted as time allows.	https://www.pmel.noaa.gov/foci/	https://www.ecofoci.noaa.gov/data-links
4/15/2022	Oscar Dyson	Scheduled	5/28/2022	TBC	8/8/2022	Unalaska, AK	Unalaska, AK	Bering Sea	NOAA	Alaska Fisheries Science Center (AFSC)	Sandy Parker-Stetter	NOAA	sandy.parker-stetter@noaa.gov	LCDR Laura Gibson	ChiefOps.MOP@noaa.gov	Walleye Pollock Acoustic-Trawl Survey Biennial Bering Sea	The midwater pollock population estimates from the acoustic-trawl survey is one of three key inputs for the pollock stock assessment model, which in turn guides the North Pacific Fisheries Management Council's annual decisions on U.S. Bering Sea pollock stock management.		Go to https://www.ngdc.noaa.gov/mgg/wcd/ or email Anderson, Charles (charles.anderson@noaa.gov)
3/18/2022	Neil Armstrong	Scheduled	6/18/2022	Woods Hole - United States	7/20/2022	Reykjavik, Iceland	https://www.iarpccollaborations.org/uploads/cms/images/6.oceanobservatories-june18july20-fullsize.jpg	Irminger Sea	NSF	Ocean Science	Al Plueddemann	WHOI	aplueddemann@whoi.edu			Ocean Observatories Initiative (OOI) Irminger Sea Global Site	Moorings in the Irminger Sea Array support sensors for measurement of air-sea fluxes of heat, moisture and momentum, physical, biological, and chemical properties throughout the water column. Monitoring the North Atlantic is important because it is one of the few places on Earth with deep-water formation that feed the large-scale circulation of the ocean. This cruise will provide annual service to check power systems, biofouling, and calibration of moorings.	https://oceanobservatories.org/array/global-irminger-sea-array/	https://oceanobservatories.org/data-products/
4/15/2022	Araon	Scheduled	7/4/2022	Incheon, ROK - Dutch Harbor-Utqiagvik	10/4/2022	Incheon, ROK	https://www.iarpccollaborations.org/uploads/cms/images/7.koreanarctic-july4oct4-full.jpg	Chukchi, Borderland, Beaufort Sea	KOPRI		Eun Jin Yang	KOPRI	ejyang@kopri.re.kr			Korea-Arctic ocean Warming and Ecosystem (K-AWARE) Study	To identify key physical and biogeochemical changes as a result of decreasing sea ice in the Pacific Central Arctic Ocean. Observations obtained from this cruise will be used to improve models and validate satellite-based observations.	https://eng.kopri.re.kr/eng/	https://kaos.kopri.re.kr/
3/15/2022	Sikuliaq	Scheduled	7/5/2022	Seward	7/28/2022	Seward	https://www.iarpccollaborations.org/uploads/cms/images/8.lter-july5july28-fullsize.jpg	Northern Gulf of Alaska. From/to Seward, AK. Inner shelf to slope transects from Kodiak Island to east of Kayak Island	NSF	Ocean Science	Russell R. Hopcroft	University of Alaska	rrhopcroft@alaska.edu	Doug Baird	ddbaird2@alaska.edu	LTER: Resiliency in the Environmental Mosaic of the Northern Gulf of Alaska Ecosystem	Investigation on physical and biogeochemical changes that affect initiation and evolution of spring bloom in the Northern Gulf of Alaska. This will contribute to our understanding of what regulates this highly productive ecosystem that supports part of the nation's largest fishery. There is also an April/May cruise related to this project.	https://nga.lternet.edu/	https://search.dataone.org/portals/NGALTER
3/18/2022	Sir Wilfrid Laurier	Scheduled	7/5/2022	Victoria BC, Canada	7/26/2022	Utqiagvik	https://www.iarpccollaborations.org/uploads/cms/images/9.nsfdbojoint-july5july26-full.jpg	DBO1=So. St. Lawrence Is., DBO2=Chirikov Basin, DBO3=So Chukchi Sea, DBO4=NE Chukchi Sea, DBO5=Barrow Canyon	NSF	AON/ Office of Polar Programs/ Arctic Sciences Section	Jackie Grebmeier and Sarah Zimmermann	UMCES-CBL	jgrebmei@umces.edu, Sarah.Zimmermann@dfo-mpo.gc.ca			NSF-DFO joint cruise related to the Distributed Biological Observatory (DBO)	To more systematically track the broad biological response to sea ice retreat and associated environmental change, an international consortium of scientists are developing a coordinated Distributed Biological Observatory (DBO) that includes selected biological measurements at multiple trophic levels in the Pacific Arctic. The DBO currently focuses on five regional biological "hotspot" locations. Monitoring rates of environmental change in these areas is relevant to understanding ecological shifts and fisheries production.	https://dbo.cbl.umces.edu/index.html	NSF Arctic Data Center and https://dbo.cbl.umces.edu/data.html
3/18/2022	Norseman II	Scheduled	7/9/2022	Nome	7/16/2022	Nome	https://www.iarpccollaborations.org/uploads/cms/images/10.beringstrait-july9july15-full.jpg	Chukchi Sea, Bering Strait	NSF	AON/ Office of Polar Programs/ Arctic Sciences Section	Rebecca Woodgate	University of Washington	woodgate@uw.edu			Bering Strait Mooring Project	Moorings will measure seasonal and interannual physical and biogeochemical changes in the Bering Strait for four years. Measuring long-term variability in this region will contribute to our understanding of the amount of freshwater Bering Strait provides to the Arctic Ocean. It will also elucidate the seasonal variation in how the Pacific waters ventilate the Arctic. Summer cruise.	http://psc.apl.washington.edu/HLD/Bstrait/bstrait.html	http://psc.apl.washington.edu/HLD/Bstrait/Data/BeringStraitDownloadregister.html
4/15/2022	Healy	Scheduled	7/14/2022	Dutch Harbor	8/30/2022	Dutch Harbor	*Not available*	Bering, Chukchi, Beaufort Sea	US Navy	ONR	Craig Lee	University of Washington	craig@apl.washington.edu			Arctic Mobile Observing System INP	Service moored, autonomous and ice-based assets for the AMOS program.	https://www.onr.navy.mil/en/Science-Technology/Departments/Code-32/all-programs/arctic-global-prediction/AMOS-DRI	
3/18/2022	Neil Armstrong	Scheduled	7/21/2022	Reykjavik, Iceland	8/16/2022	Reykjavik, Iceland	https://www.iarpccollaborations.org/uploads/cms/images/12.arcticmobileobs-july21aug16-full.jpg	North Atlantic, Irminger and Iceland Basins	NSF	Ocean Science	William E. Johns	University of Miami	wjohns@rsmas.miami.edu			Overturning in the Subpolar North Atlantic Program	The project's goal is to measure basin-wide integrated fluxes of volume, heat, and freshwater fluxes in the North Atlantic Subpolar Gyre with an array of moorings spanning the Labrador, Irminger, and Iceland Basins. This cruise will service U.S. and Dutch moorings in the Iceland and Irminger Basins and perform localized boundary current surveys in the region.	https://www.o-snap.org/	https://www.o-snap.org/data-access/
3/18/2022	Norseman II	Scheduled	7/19/2022	Nome	8/15/2022	Nome	https://www.iarpccollaborations.org/uploads/cms/images/13.toxicalgal-july19aug15-full.jpg	DBO3=So Chukchi Sea, DBO5=Barrow Canyon, DBO6=East Beaufort Sea	NSF	ANS/ Office of Polar Programs/ Arctic Sciences Section	Don Anderson & Robert Pickart	WHOI	danderson@whoi.edu			Toxic Algal Blooms	The Pacific sector of the Arctic Ocean is warming, in particular the shallow Chukchi Sea. As a result, many organisms may spread into Arctic waters, and some present significant threats to human and ecosystem health, such as harmful algal bloom (HAB) species (commonly called red tides). This study will be the first to document the current distribution of highly toxic HAB species at high resolution over large spatial scales within the Alaskan Arctic and along its transport pathways and will provide estimates of areas at high risk of toxicity now and in a warming future.	https://www2.whoi.edu/site/andersonlab/current-projects/arctic-habs/	NSF Arctic Data Center
3/18/2022	Ukpik	Scheduled	7/26/2022	Prudhoe Bay	8/9/2022	Harrison Bay	https://www.iarpccollaborations.org/uploads/cms/images/14.arcticshelf-july26aug9-full.png	Beaufort Shelf	NSF	ANS/ Office of Polar Programs/ Arctic Sciences Section	Emily Eidam	UNC-CH	emily.eidam@oregonstate.edu			Arctic Shelf Sediment Pathways	In many coastal environments, shoreline erosion provides a major source of sediment to the ocean. Over time, this material is transported along the shore (to nourish beaches) and/or offshore (to form deeper-water mud patches). Some of the highest rates of coastal erosion occur in the Arctic because ground containing permafrost thaws easily under the influence of warm ocean water and wave attack. But once that sediment enters the Arctic Ocean, we know very little about where it goes. This study is designed to determine the primary pathways of sediments in the coastal ocean during the open-water season, when frequent wind storms are expected to mobilize sediments recently delivered to the seabed.	https://sed.web.unc.edu/alaskan-beaufort-shelf/	NSF Arctic Data Center
3/15/2022	Sikuliaq	Scheduled	7/29/2022	Seward	8/24/2022	Seward	https://www.iarpccollaborations.org/uploads/cms/images/15.beringseastorms-july29aug24-full.jpg	Aleutians Dutch Harbor, AK to Adak, AK 400nm	NSF	ANS/ Office of Polar Programs/ Arctic Sciences Section	Jeffrey Donnelly	WHOI	jdonnelly@whoi.edu	Doug Baird	ddbaird2@alaska.edu	Bering Sea Storms	A research cruise along Alaska's Aleutian Islands will allow us to access remote fjords and collect a series of sediment cores and environmental measurements to reconstruct storms in the Bering Sea. These storm reconstructions will improve our understanding of how intense storminess has changed in the Bering Sea and allow examination of the regional environmental factors that enhance or inhibit storm activity.	https://web.whoi.edu/coastal-group/research/projects/high-latitude-climate/	https://web.whoi.edu/coastal-group/data/
3/18/2022	Rachel Carson	Scheduled	8/10/2022	Seattle, USA	8/31/2022	TBC	https://www.iarpccollaborations.org/uploads/cms/images/16.gulfofalaska-aug10aug31-full.jpg	SE Gulf of Alaska	NOAA	Ocean and Atmospheric Research	Jessica Cross	NOAA	jessica.cross@noaa.gov			Gulf of Alaska Ocean Acidification Coastal Cruise	The specific objectives of the research are to continue long-term observations of ocean acidification in the Gulf of Alaska to fulfill the Federal Ocean Acidification Research and Monitoring Act of 2009 and the Strategic Plan for Federal Research and Monitoring Requirements of Ocean Acidification and its Implementation Plan requirements.	https://oceanacidification.noaa.gov/CurrentProjects/GulfofAlaska.aspx	https://www.nodc.noaa.gov/oads/stewardship/data_assets.html
6/23/2022	Annika Marie	Scheduled	8/12/2022	Prudhoe Bay	9/3/2022	Prudhoe Bay	none provided	Beaufort Sea	BOEM		Carin Ashjian	WHOI	cashjian@whoi.edu			Bio-physical drivers of bowhead whale distribution on the Alaskan Beaufort Shelf during a period of rapid environmental change	Eleven years (2005-2015) of previous work near Pt. Barrow showed that krill availability as prey for bowhead whales on the shelf was driven by local wind forcing and shelf-break upwelling and that the timing of sea ice retreat each summer was associated with the age (and thus size) of the krill in late summer. Since 2015, weather patterns have shifted and krill availability on the shelf may not be as reliable as before. This project renews studies on krill availability near Pt. Barrow and off of Prudhoe Bay with relevance to bowhead whale migration and distribution patterns. Fieldwork consists of surveys of hydrography, plankton/krill and whale distributions, and the deployment of year-round moorings at key locations.		TBD
4/15/2022	Mirai	Scheduled	8/12/2022	Japan - Dutch Harbor	10/6/2022	Japan	https://www.iarpccollaborations.org/uploads/cms/images/17.arcticchallenge-aug12oct16-full.jpg	DBO3=So Chukchi Sea, DBO5=Barrow Canyon, DBO6=East Beaufort Sea, DBO7-Beaufort Sea Central	Ministry of Education, Culture, Sports, Science and Technology (MEXT), Japan		Motoyo Itoh	JAMSTEC	motoyo@jamstec.go.jp			Arctic Challenge for Sustainability (ArCS II)	This is a cruise to monitor on-going physical and biogeochemical changes in Bering Strait, Chukchi Sea, and Beaufort near coast sites. Apart from observational study of Arctic ocean environmental changes, there will also be monitoring efforts insea ice, microplastic pollution, trace gases and aerosols, and atmospheric greenhous gases.	https://www.nipr.ac.jp/arcs2/e/	https://www.nipr.ac.jp/arcs2/e/priority/priority-2/
4/15/2022	Oscar Dyson	Scheduled	08/13	TBC	9/12/2022	TBC	TBC	Bering Sea	NOAA	AFSC	Ed Farley		ed.farley@noaa.gov	LCDR Laura Gibson	ChiefOps.MOP@noaa.gov	EMA-FOCI Age-0 Groundfish and Salmon Recruitment Process	Ecosystem survey for salmon and juvenile groundfish.		
3/18/2022	Neil Armstrong	Scheduled	8/17/2022	Reykjavik, Iceland	9/27/2022	Nuuk, Greenland	https://www.iarpccollaborations.org/uploads/cms/images/19.overturning-aug17sep27-full.jpg	Labrador and Irminger Seas	NSF	Ocean Science	Robert S. Pickart	WHOI	rpickart@whoi.edu			Overturning in the Subpolar North Atlantic-West	A US-led international effort, Overturning in the Subpolar North Atlantic Program (OSNAP), has provided a continuous record of the full-water column, trans-basin fluxes of heat, mass, and freshwater in the subpolar North Atlantic since 2014, in partnership with the UK, Netherlands, Canada and Germany.	http://www.o-snap.org/	https://www.o-snap.org/data-access/
3/18/2022	Norseman II	Scheduled	8/16/2022	Nome	9/21/2022	Nome	https://www.iarpccollaborations.org/uploads/cms/images/20.ahighresolution-aug16sep21-full.jpg	Bering and Chukchi Seas	NSF	ANS/ Office of Polar Programs/ Arctic Sciences Section	Miguel Goni & Laurie Juranek	OSU	mgoni@coas.oregonstate.edu			A High Resolution Multi-Tracer Biogeochemical Study of the Pacific Arctic	Direct observations in the Pacific Arctic region, including the northern Bering and Chukchi seas, are needed to understand how this ecosystem is shifting in a time of rapid change. To that end, the investigators will participate in a research expedition scheduled for summer 2020 and will make simultaneous oceanographic measurements of dissolved oxygen, dissolved carbon dioxide, dissolved nutrients, particulate organic matter distribution and composition, and plankton productivity.	https://blogs.oregonstate.edu/oceangastracer/research/	NSF Arctic Data Center
3/15/2022	Sikuliaq	Scheduled	8/25/2022	Seward	9/3/2022	Seward	https://www.iarpccollaborations.org/uploads/cms/images/23.measuringstrain-aug25sept3-full.jpg	SW Alaska South of the Aleutian Peninsula west of the Sanak Islands and East of Kodiak	NSF	Ocean Science	Spahr C. Webb	Lamont-Doherty Earth Observatory	scw@ldeo.columbia.edu	Doug Baird	ddbaird2@alaska.edu	Measuring strain along the Aleutian subduction zone trench to better constrain seismic and tsunami hazard	This project will install three seafloor GPS-Acoustic (GPS-A) sites 60 km from the trench spanning the Shumagin Island to Kodiak region and the apparent transition from an unlocked to a locked interface on the subduction zone. These observations are critical to assessing seismic and tsunami risk in the region and will provide a new understanding of the behavior of subduction zone faults near the trench.	https://www.earth.columbia.edu/projects/view/421	
6/13/2022	F/V Northwest Explorer	Scheduled	8/27/2022	Dutch Harbor	9/20/2022	Dutch Harbor	https://www.iarpccollaborations.org/uploads/cms/images/22.NorthernBeringSeaIntegratedEcosystemSurvey-full.jpg	Bering Sea	NOAA	AFSC	Jim Murphy	NOAA	Jim.Murphy@noaa.gov			Northern Bering Sea Integrated Ecosystem Survey	The survey will include the deployment of multiple sampling gear types, including a surface trawl, a small mesh beam trawl, a bongo net, a CTD, a rosette water sampler, and a Van Veen benthic grab. The survey will support a wide range of research activities, including stock-specific juvenile salmon abundance estimates, the pelagic food web, fish condition, oceanographic conditions, zooplankton distribution and abundance, seabird densities, harmful algal bloom toxins, essential crab habitat, environmental DNA, salmon shark migration, and the carbon cycle of the Yukon River plume.	https://www.fisheries.noaa.gov/resource/outreach-materials/2022-northern-bering-sea-bottom-trawl-survey	https://www.webapps.nwfsc.noaa.gov/apex/f?p=309:19:::::P19_PROJECTID:49465865
4/15/2022	Louis St. Laurent	Scheduled	9/1/2022	Kugluktuk	9/29/2022	Canada	https://www.iarpccollaborations.org/uploads/cms/images/21-22.jointoceanice-aug19sep16-full.jpg	Beaufort Sea	DFO-Canada		Sarah Zimmermann		sarah.zimmermann@dfo-mpo.gc.ca			Joint Ocean Ice Study/Beaufort Gyre Observing System (JOIS/BGOS) - Leg 2	This is a joint cruise led by Canadian and US researchers, with other international partners. This project will monitor physical and biogeochemical changes in the DBO sites. There will also be marine mammal and seabird surveys.		
4/15/2022	Healy	Scheduled	9/4/2022	Dutch Harbor	10/28/2022	Dutch Harbor	https://www.iarpccollaborations.org/uploads/cms/images/25.ussynoptic-sep4oct28-full.jpg		NSF	ARCSS/ Office of Polar Programs/Arctic Sciences Section	Carin Ashjian	WHOI	cashjian@whoi.edu			US Synoptic Arctic Survey (SAS)	The Synoptic Arctic Survey (SAS) is an international program envisioned to mount a coordinated, multi-nation, field-based effort on a Pan Arctic scale over one-two summers to achieve the baseline understanding of the fundamental structure and function of the linked carbon-ecosystem-physical systems that will permit detection of ongoing and future changes. The SAS is focused on a single overarching question, "What are the present state and major ongoing transformations of the Arctic marine system?"	https://synopticarcticsurvey.w.uib.no/about/	
6/22/2022	Woldstad	Scheduled	9/5/2022	Nome	10/4/2022	Nome	not provided	Beaufort Sea	NASA	Physical Oceanography	Kyla Drushka	Applied Physics Laboratory, University of Washington	kdrushka@apl.uw.edu	Scott Hameister	scott@svaboats.com	Salinity and Stratification at the Sea Ice Edge (SASSIE)	The overall motivation of this project is to improve our understanding of sea ice-ocean interactions in order to better understand local to climate-scale impacts of declining Arctic sea ice. Specifically, this project aims to understand the relationship between how fresh meltwater layers created by melting sea ice during summer can later impact the formation of sea ice in autumn. We will make intensive observations of the upper ocean and atmosphere near the sea ice edge during the transition between summer ice melt and autumn advance. The campaign will include a ship, autonomous platforms (e.g., wave gliders, drifters), and an aircraft.	https://salinity.oceansciences.org/sassie.htm	PO.DAAC, NASA's Physical Oceanography data center: https://podaac.jpl.nasa.gov/
4/15/2022	Norseman II	Scheduled	9/8/2022	Nome	9/18/2022	Nome	https://www.iarpccollaborations.org/uploads/cms/images/26.beringstrait-sep8sep18-full.jpg	Chukchi Sea, Bering Strait	NSF	AON/ Office of Polar Programs/ Arctic Sciences Section	Rebecca Woodgate	University of Washington	woodgate@uw.edu			Bering Strait Mooring Project	Moorings will measure seasonal and interannual physical and biogeochemical changes in the Bering Strait for four years. Measuring long-term variability in this region will contribute to our understanding of the amount of freshwater Bering Strait provides to the Arctic Ocean. It will also elucidate the seasonal variation in how the Pacific waters ventilate the Arctic. Autumn cruise.	http://psc.apl.washington.edu/HLD/Bstrait/bstrait.html	http://psc.apl.washington.edu/HLD/Bstrait/Data/BeringStraitDownloadregister.html
3/15/2022	Sikuliaq	Scheduled	9/14/2022	Nome	10/29/2022	Nome	https://www.iarpccollaborations.org/uploads/cms/images/27.arcticmobile-sep14oct29-full.jpg	Beaufort Sea	US Navy	ONR	Craig M. Lee	University of Washington	craiglee@uw.edu	Doug Baird	ddbaird2@alaska.edu	Arctic Mobile Observing System INP	Service moored, autonomous and ice-based assets for the AMOS program.	https://www.onr.navy.mil/en/Science-Technology/Departments/Code-32/all-programs/arctic-global-prediction/AMOS-DRI	
6/15/2022	Louis St. Laurent	Scheduled	9/14/2022	Kugluktuk, Nunavut, Canada	10/15/2022	Kugluktuk, Nunavut, Canada	https://www.iarpccollaborations.org/uploads/cms/images/27.JOIS-Sept14-track-full.jpg	Beaufort Sea	NSF	AON/ Office of Polar Programs/ Arctic Sciences Section	Mary-Louise Timmermans	Yale University	mary-louise.timmermans@yale.edu			Joint Ocean Ice Study/Beaufort Gyre Observing System (JOIS/BGOS) - Leg 1	This is a joint cruise led by Canadian and US researchers, with other international partners. This project is an extensive observing program to document and analyze the Beaufort Gyre's evolving sea ice and ocean properties. In-depth analyses of the data provide understanding of the Beaufort Gyre's role in the Arctic and global climate system, which is essential to develop the most viable future climate predictions.	https://people.earth.yale.edu/research/mary-louise-timmermans	NSF Arctic Data Center
6/13/2022	Oscar Dyson	Scheduled	9/16/2022	Dutch Harbor	10/8/2022	Kodiak	https://www.iarpccollaborations.org/uploads/cms/images/24.jointdbo-augsepttbd-full.jpg	DBO1=So. St. Lawrence Is., DBO2=Chirikov Basin, DBO3=So Chukchi Sea, DBO4=NE Chukchi Sea, DBO5=Barrow Canyon	NOAA	PMEL / AFSC	Phyllis Stabeno	NOAA	phyllis.stabeno@noaa.gov ; Chief Scientist: Ryan McCabe <ryan.mccabe@noaa.gov>	LCDR Laura Gibson	ChiefOps.MOP@noaa.gov	Joint DBO-EcoFOCI sampling and mooring cruise	Occupy DBO and EcoFOCI ecosystem stations; Recover/deploy biophysical moorings (including sensors to measure temperature, salinity, currents, fluorescence, ice thickness, met, pCO2, and passive listening device for marine mammals), and collect CTD, ADCP, and water/net tow samples.	https://dbo.cbl.umces.edu/.; https://www.pmel.noaa.gov/foci/	https://www.ecofoci.noaa.gov/data-links
6/13/2022	Contract vessel - TBD	In Planning	TBD	Dutch Harbor	TBD	TBD	TBD	TBD	NOAA	PMEL / AFSC	Phyllis Stabeno	NOAA	phyllis.stabeno@noaa.gov ; Chief Scientist TBD			Fall mooring cruise	Recover/deploy biophysical moorings (including sensors to measure temperature, salinity, currents, fluorescence, ice thickness, met, pCO2, and passive listening device for marine mammals samples.	https://www.pmel.noaa.gov/foci/	https://www.ecofoci.noaa.gov/data-links
4/15/2022	Sir Wilfrid Laurier	In Planning	9/25/2022	TBD	10/28/2022	TBD	TBC				Bill Williams		Bill.Williams@dfo-mpo.gc.ca			Moorings	Moorings will measure seasonal and interannual physical and biogeochemical changes		
3/18/2022	Neil Armstrong	Scheduled	9/28/2022	Nuuk, Greenland	10/24/2022	Nuuk, Greenland	https://www.iarpccollaborations.org/uploads/cms/images/30.thearcticobserving-sep28oct24-full.jpg	Davis Strait, N. Labrador Sea to central Baffin Bay	NSF	AON/ Office of Polar Programs/ Arctic Sciences Section	Craig M. Lee	University of Washington	craiglee@uw.edu			The Arctic Observing Network - Capturing and Understanding Arctic Change with Renewed Observations at the Davis Strait Gateway	This project will renew the integrated observational program at Davis Strait, delivering data to the community and matching ongoing collections at Bering Strait, Utqiagvik, Alaska, and Fram Strait to extend the time series of concurrent measurements across the major Arctic Gateways. The extended timeseries will document changes in freshwater and heat fluxes, and will be combined with numerical modeling to investigate the processes that control variability in the strait and the potential impacts.		
3/18/2022	Sikuliaq	Scheduled	11/1/2022	Nome	11/28/2022	Seward	https://www.iarpccollaborations.org/uploads/cms/images/31.monitoring-nov1nov28-full.jpg	Beaufort Sea	NSF	AON/ Office of Polar Programs/ Arctic Sciences Section	Robert S. Pickart	WHOI	rpickart@whoi.edu	Doug Baird	ddbaird2@alaska.edu	Monitoring the western Arctic boundary current in a warming climate: Atmospheric forcing and oceanographic response	Project focuses on the fate of the Pacific water that enters the Arctic Ocean through the Bering Strait. Pacific water plays a critical role in the western Arctic ecosystem. In wintertime, the cold inflowing water provides food for phytoplankton at the base of the food chain. In summertime, the warm water melts pack ice and provides freshwater to the Arctic Ocean. After the water crosses the Chukchi Sea, north of Bering Strait, some of it forms a narrow current that flows eastward along the edge of the Beaufort Sea. As part of our project they will continue to maintain a mooring positioned in the center of the current to measure its physical and biological properties. In addition, they will carry out shipboard surveys of the current and adjacent waters when we service the mooring, to provide a larger-scale view of the fate of the Pacific water.		
Uncrewed Saildrones																			
6/14/2022	Saildrone	Underway	5/25/2022	Dutch Harbor	8/31/2022	Dutch Harbor	https://www.iarpccollaborations.org/uploads/cms/images/35.SaildroneTrack-full.jpg	Bering Sea to Chukchi and Beaufort seas	NOPP	Marisol Garcia Reyes	Farallon Institute	marisolgr@faralloninstitute.org	chris.branning@saildrone.com			Multi-sensor Improved Sea Surface Temperature (SST)	The goal of this cruise is to acquire data to: i) validate SST satellite data and help improve retrieval algorithms, and ii) investigate the conditions that influence dynamical processes that influence surface water temperatures in the South Bering Sea.		Saildrone and NASA PO.DAAC

Legend	
Red	In planning
Blue	Scheduled
Orange	Canceled or postponed
Pink	Updated entry since last posting (June 17)

This spreadsheet was developed by IARPC, PAG, and AOOS with input from NSF, NOAA, ONR, USCG, and DOI. It was last updated on July 12, 2022. For further information contact Cynthia Garcia-Eidell (cynthia.garcia@noaa.gov) or Jill Prewitt (prewitt@aoos.org).