

Start Date	End Date	Port - Depart	Port - Arrive	DAS	Cruise Location	Personnel	Name: Activities	Project	Ship & Cruise No.
1/29/2019	1/30/2019	Seattle, WA	Seattle, WA	0	Puget Sound	Chief Scientist: TBD; 0 (AFSC) TBD; 0 (PMEL) None; 0 (ABL)	/ Gear Trials (OMAO-5410): Equipment: TBD; ITAE Technologies: None; DBO: No	MACE	OMAO-5410
4/19/2019	5/2/2019	Kodiak, AK	Dutch Harbor, AK	14	Bering Sea	Chief Scientist: P. Proctor; 2 (AFSC) M. Paquin (FPC), L. Rogers; 4 (PMEL) G. Lebon or Engineering, S. Grassia, S. Bell, S. Donohoe; 1 (ABL) L. Eisner	Spring Mooring/ FOCI Moorings - Bering Sea (DY19-04): Equipment: Moorings (w/ Prawler), CTD, bongo, CalVet, towfish; ITAE Technologies: Oculus (401 deploy, 40X back-up); DBO: No	NPCREP, EcoFOCI	DY19-04
5/5/2019	5/25/2019	Dutch Harbor, AK	Kodiak, AK	21	Gulf of Alaska	Chief Scientist: A. Dougherty; 4 (AFSC) S. Porter, J. Lamb, C. Harpold; 0 (PMEL) None; 1 (ABL)	WGOA Ichthyoplankton/ EMA-FOCI Larval Groundfish Assessment (DY19-05): Equipment: neuston, bongo, fastcat, CalVET, drifters; ITAE Technologies: None; DBO: No	NPCREP, EcoFOCI, EMA	DY19-05
5/5/2019	6/8/2019	Seattle, WA	Kodiak, AK	0	Gulf of Alaska	Chief Scientist: J. Cross; 0 (AFSC) None; 2 (PMEL) D. Strausz; 0 (ABL) None	GOAOA/ Gulf of Alaska Ocean Acidification (Cancelled): Equipment: CTD, bongo; ITAE Technologies: None; DBO: No	OAP	Cancelled
7/31/2019	8/24/2019	Dutch Harbor, AK	Nome, AK	25	US Arctic: Chukchi Sea	Chief Scientist: R. McCabe; 1 (AFSC) L. Logerwell (FPC); 3 (PMEL) S. Donohoe, C. Berchcock, D. Strausz; 1 (ABL) L. Eisner	Arctic Integrated Ecosystem Survey: MOORINGS Leg 1/ NPRB Arctic IERP (OS19-01 Leg 1): Equipment: acoustics, CTD, bongo, towfish, moorings; ITAE Technologies: Oculus (401 recover & 404 deploy), Pop-up (4), RAS mooring (1), SM Prawler (TBD); DBO: Yes	NPRB AIERP	OS19-01 Leg 1
8/2/2019	8/23/2019	Barrow, AK	Barrow, AK	22	US Arctic: Chukchi Sea	Chief Scientist: B. Pickart; 2 (AFSC) J. Duffy-Anderson, Benson, Hayes (Sea Grant); 1 (PMEL) E. Wisegarver ; 0 (ABL)	DBO-NCIS Moorings/ NOAA Arctic Distributed Biological Observatories- Northern Chukchi Integrated Studies (DBO-NCIS) (HL19-00): Equipment: CTD, bongo; ITAE Technologies: TBD; DBO: Yes	EcoFOCI & ITAE	HL19-00
8/13/2019	8/26/2019	Kodiak, AK	Kodiak, AK	14	Gulf of Alaska	Chief Scientist: M. Wilson; 4 (AFSC) L. Rogers, M. Busby, A. Deary; 1 (PMEL) H. Tabisola; 2 (ABL) W. Strasburger, D. Nicolls, C. Harris (TAS)	YOY Pollock/ EMA/FOCI Age-0 Groundfish and Salmon Recruitment Processes (DY19-07 Leg 1): Equipment: midwater trawl, CTD, bongo; ITAE Technologies: None; DBO: No	EMA, EcoFOCI	DY19-07 Leg 1
8/25/2019	9/14/2019	Nome, AK	Nome, AK	21	US Arctic: Chukchi Sea	Chief Scientist: E. Farley; TBD (AFSC) L. Logerwel (FPC), D. Cooper, D. Kimmel; 1 (PMEL) S. Donohoe; 4 (ABL)	Arctic Integrated Ecosystem Survey: TRAWLING Leg 2/ NPRB Arctic IERP (OS19-01 Leg 2): Equipment: surface trawl, beam trawl, acoustics, CTD, bongo, towfish, moorings; ITAE Technologies: None; DBO: Yes	NPRB AIERP	OS19-01 Leg 2
8/29/2019	9/14/2019	Kodiak, AK	Dutch Harbor, AK	17	Gulf of Alaska	Chief Scientist: S. Porter; 4 (AFSC) A. Dougherty, M. Paquin, C. Harpold; 1 (PMEL) P. Proctor; 3 (ABL) J. Moss, R. Suryan, O. Ormseth, P. Moorhouse (TAS)	YOY Pollock/ EMA/FOCI Age-0 Groundfish and Salmon Recruitment Processes (DY19-07 Leg 2): Equipment: midwater trawl, CTD, bongo; ITAE Technologies: None; DBO: No	EMA, EcoFOCI	DY19-07 Leg 2

9/13/2019	10/2/2019	Nome, AK	Dutch Harbor, AK	20	US Arctic: Chukchi Sea	Chief Scientist: K. Cieciel; 1 (AFSC) D. Cooper (FPC), A. Spear, E. Goldstein; 1 (PMEL) D. Strausz; 4 (ABL)	Arctic Integrated Ecosystem Survey: TRAWLING Leg 3/ NPRB Arctic IERP (OS19-01 Leg 3): Equipment: surface trawl, beam trawl, acoustics, CTD, bongo, towfish, moorings; ITAE Technologies: Oculus (404 recover), Pop-up (TBD); DBO: Yes	NPRB AIERP	OS19-01 Leg 3
9/18/2019	10/2/2019	Dutch Harbor, AK	Kodiak, AK	15	Bering Sea	Chief Scientist: P. Proctor; 2 (AFSC) J. Lamb, A. Deary; 7 (PMEL) G. Lebon, S. Grassia, J. Law, E. Wisegarver, B. Kimber, S. Bell, S. Anderson; 0 (ABL)	Fall Mooring/ FOCI Moorings - Bering Sea (DY19-08): Equipment: Moorings, CTD, bongo, CalVet; ITAE Technologies: Oculus (B recover), Pop-up (TBD); DBO: Yes	EMA, EcoFOCI	DY19-08
TBD	TBD	Sitka, AK	Juneau, AK	TBD	Gulf of Alaska	Chief Scientist: TBD; 0 (AFSC) None; 0 (PMEL) None; 5 (ABL)	EGOA SECM Survey/ Eastern Gulf of Alaska (EGOA) Southeast Alaska Coastal Monitoring (SECM) Survey (XX19-00): Equipment: surface trawl, CTD, bongo; ITAE Technologies: None; DBO: No	EMA	XX19-00
TBD	TBD	Dutch Harbor, AK	Dutch Harbor, AK	TBD	US Arctic: Bering Sea	Chief Scientist: TBD; 0 (AFSC) None; 0 (PMEL) None; 5-6 (ABL)	EMA/ADFG NBS/ Joint AFSC/ADFG research/ EMA/ADFG NBS/ Joint AFSC/ADFG research (XX19-00): Equipment: surface trawl, CTD, bongo; ITAE Technologies: None; DBO: No	EMA	XX19-00
7/12/2019	8/1/19	Dutch Harbor, AK	Dutch Harbor, AK	21	US Arctic: Bering Sea	Chief Scientist: C. Wilson; 0 (AFSC) None; 0 (PMEL) None; 0 (ABL)	Eastern Bering Sea Bottom Trawl Survey Leg 3/ Eastern Bering Sea Bottom Trawl Survey (AK19-01): Equipment: moorings; ITAE Technologies: None; DBO: No	MACE	AK19-01