

## ABOUT *SIKULIAQ*

The research vessel *Sikuliaq*—pronounced See-KOO-lee-auk and translated from Inupiaq as “young sea ice”— is a 261-foot Global Class ice-capable research vessel designed to operate in harsh oceanographic conditions to advance polar and subpolar scientific research. Owned by the National Science Foundation and operated by the University of Alaska Fairbanks College of Fisheries and Ocean Sciences, *Sikuliaq* is the only ice-capable vessel in the United States academic fleet.



The vessel is part of the University-National Oceanographic Laboratory System (UNOLS) and is homeported in Seward, Alaska.

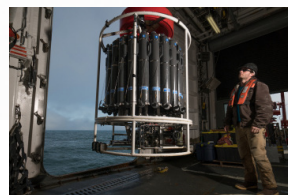
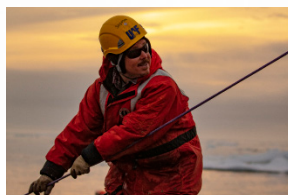


## 2019 CRUISE TRACK

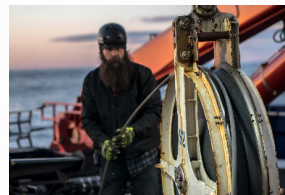
In her third full year of operation, *Sikuliaq* supported a total of 11 science cruises and spent nearly half of her time at sea in Arctic waters. In FY2019, UAF faculty, staff and students participated in approximately 60 percent of *Sikuliaq* science days at sea.

## 2019 STATISTICS

24,738 nm traveled • 203 total ship days • 160 days of science (not including mob/demob days) • 74 days in the Arctic (as defined by the Arctic Research and Policy Act of 1984) • 332 CTD casts • 8 XBT casts • 205 net tows • 201 moorings deployed • 169 moorings recovered • 13 gliders deployed • 13 gliders recovered • 33 buoys/floats deployed • 32 buoys/floats recovered







## SHIP SPECIFICATIONS

*Sikuliaq* allows researchers to collect oceanographic samples directly from the water column and seafloor, host remotely operated vehicles, use a flexible suite of winches to raise and lower scientific equipment, and conduct surveys throughout the water column and sea bottom using a variety of sampling systems.

## COMMUNITY OUTREACH

*Sikuliaq* strives to work closely with Alaska coastal communities to ensure our activities do not interfere with Native hunting or cultural events. *Sikuliaq* is the first university-operated vessel to adopt standard operating procedures outlining when and how our Arctic researchers are expected to work with coastal communities.

Characteristics	Sikuliaq
Overall Length	261 feet
Draft	18.9 feet
Beam	52 feet
Performance	
Cruising Speed	11 knots
Endurance	45 days
Ice-breaking	2.5 feet at 2 knots
Capacities	
Scientist Berths	24
Crew Berths	20 plus 2 marine technicians
Science Labs	2100 square feet
Lab or Storage Vans	Up to 4 vans
Deck Working Area	4360 square feet
Fresh Water Storage	13,190 gallons
Water Making Capacity	6000 gallons/day
Fuel Capacity	170,000 gallons
Disability Accommodations	Yes: labs, galley, staterooms

## ARCTIC RESEARCH ICEBREAKER CONSORTIUM

*Sikuliaq* and CFOS have joined 13 other partners from Europe and Canada in the international Arctic Research Icebreaker Consortium (ARICE). The collaboration supports transnational planning and implementation of Arctic research cruises. As the US representative in ARICE, *Sikuliaq* is well positioned to serve an increasingly international audience and to foster greater collaboration between US Arctic ship users and international scientific partners.

## SOCIAL MEDIA

**Facebook:** R/V Sikuliaq • **Twitter:** @rvsikuliaq

**Instagram:** @rvsikuliaq and @socooliaq

## CONTACT US

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