

# USA Update to FARO 2021

Dr. Jennifer L. Mercer

Program Manager, currently serving as Acting Section Head  
Arctic Sciences & Arctic Research Support & Logistics

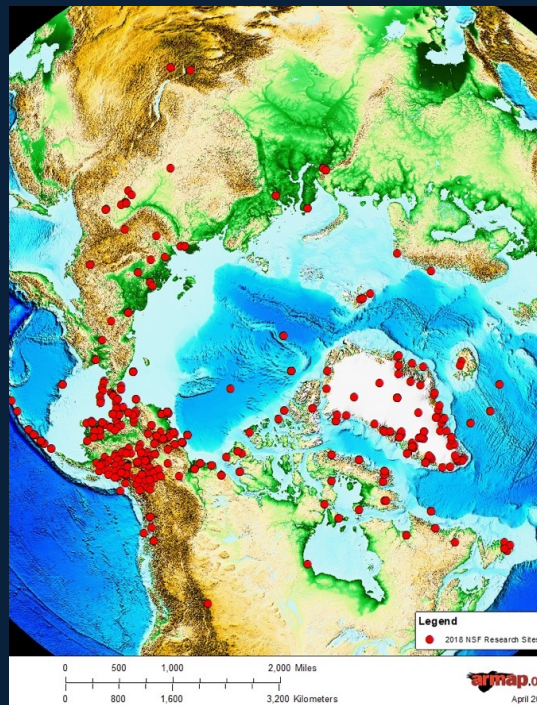


U.S. National Science Foundation  
Geosciences Directorate (GEO)  
Office of Polar Programs (OPP)



# Existing Infrastructure

- Stations (field hubs) in Alaska and Greenland
- Aircraft
- Vessels
- Satellites
- Observational instruments & networks



# COVID-19 Challenges and Solutions

- Field research in 2020 was drastically reduced, but we did support:
  - MOSAiC
  - Sustained Summit Station observations and operations (ICECAPS-ACE, collaboration between US/UK NERC continued)
  - Toolik Field Station continued operations at reduced capacity
  - NASA Oceans Melting Greenland (OMG) conducted flights in Greenland
  - Local institutions and communities helped out
- 2021 Field Research
  - Working to support some field research
  - Primary goal is to not vector COVID-19 into Arctic
  - Working with Arctic communities to understand entry requirements/concerns
  - Will sustain Summit Station, establishing PCR test capability in Kangerlussuaq
  - Several research cruises will proceed

# Look Ahead for Large Campaigns and Infrastructure Plans

- CHACHA campaign
- USCGC Healy will transit the NW Passage from Dutch Harbor to Nuuk, followed by a science cruise in Baffin Bay. Healy will dry dock in 2022, major mid-life dry dock in 2025.
- Design phase – new Ice Core Storage Facility
- Reconstruction of Summit Station, Greenland
- New propellers/engines on LC-130s
- Continue annual Beaufort Gyre research cruises with Canada on Louis St-Laurent through 2023.
- Intend to support NABOS cruises in 2021, 2023 and 2025.
- Plans to build three Polar Security Cutters are underway for delivery in 2024-2026.