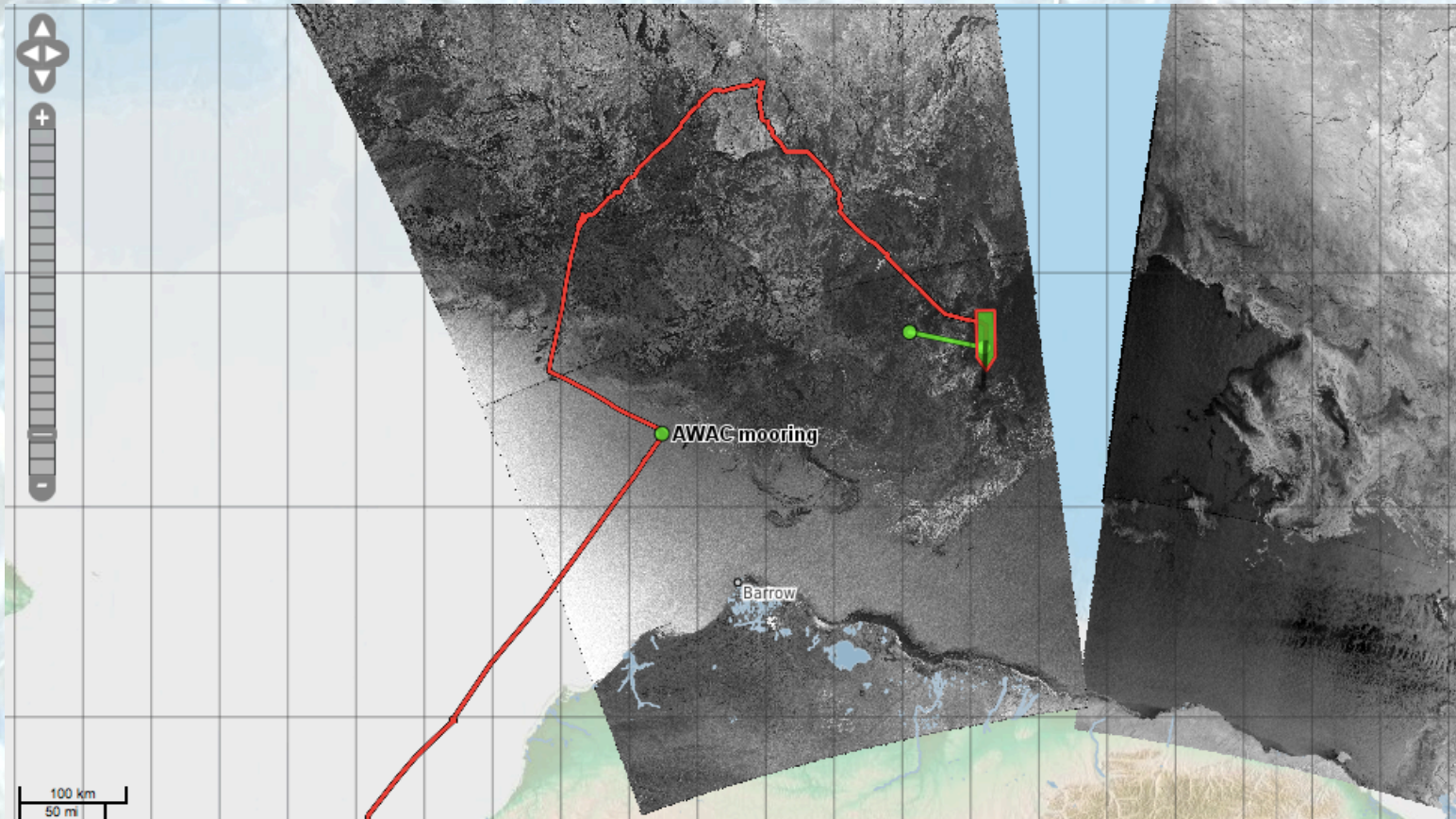
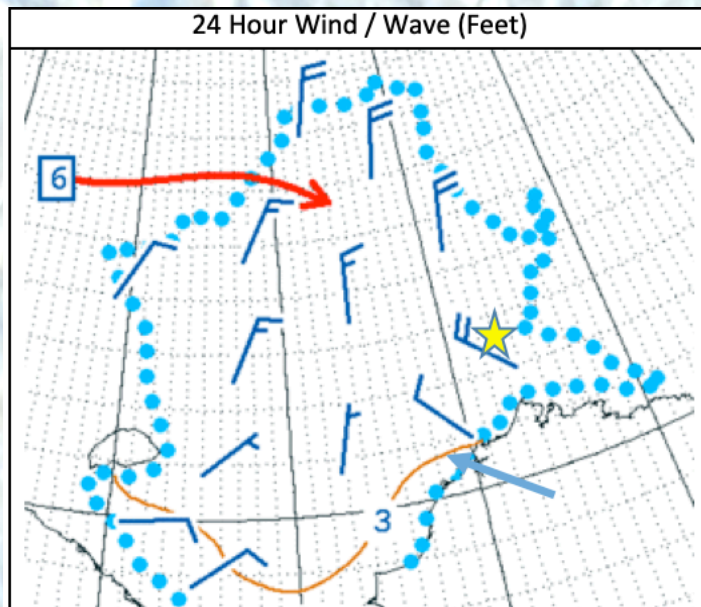
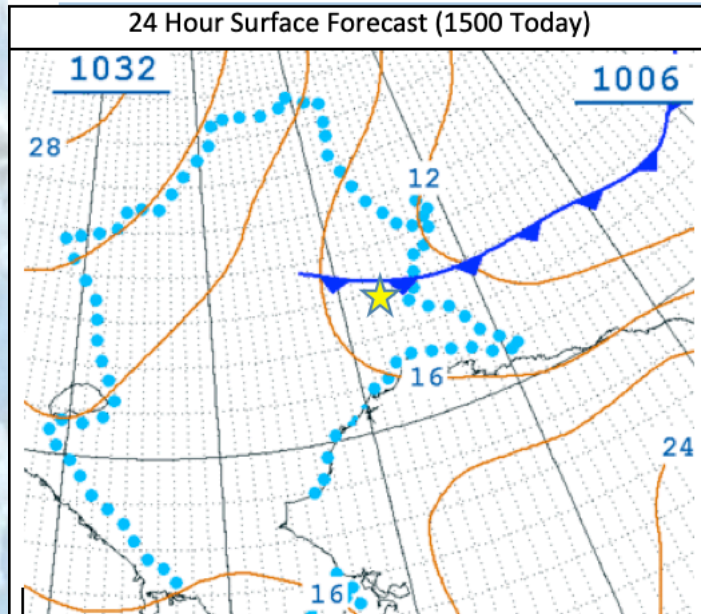


AICC January 2020

R/V SIKULIAQ Ice Cruise Planning/Forecast



- Weather Forecast
- Satellite Imagery
- Ice Radar



Weather Forecast

Weather Products are
Mined by the 2nd Mate via
The Internet

NOAA
Ocean Prediction Center
Arctic/Alaska

National Weather Service

Products are Assembled into
a Daily Briefing that is
Shared with the Science
Party



Synopsis: A 1008 mb low 200 nm northwest of Point Barrow with a cold front currently pushing onto the western North Slope will continue to push east today and stall over the Arctic Coast tonight. A 1046 mb high in the Siberian Arctic will move to 600 nm N of Wainwright by Mon evening with high pressure pushing S over the Arctic Coast.

Station 005 - ONR Mooring ETA 0800

Today

W wind 15 to 20 kt becoming N in the afternoon. A chance of snow, mainly before 9am. Seas around 5 ft.

Tonight

NE wind 15 to 20 kt. Mostly cloudy. Seas around 4 ft.

Transit to Fishing Practice (Zone PKZ505)

Today

W winds 20 kt becoming N in the afternoon. Seas 6 ft. Freezing fog in the morning.

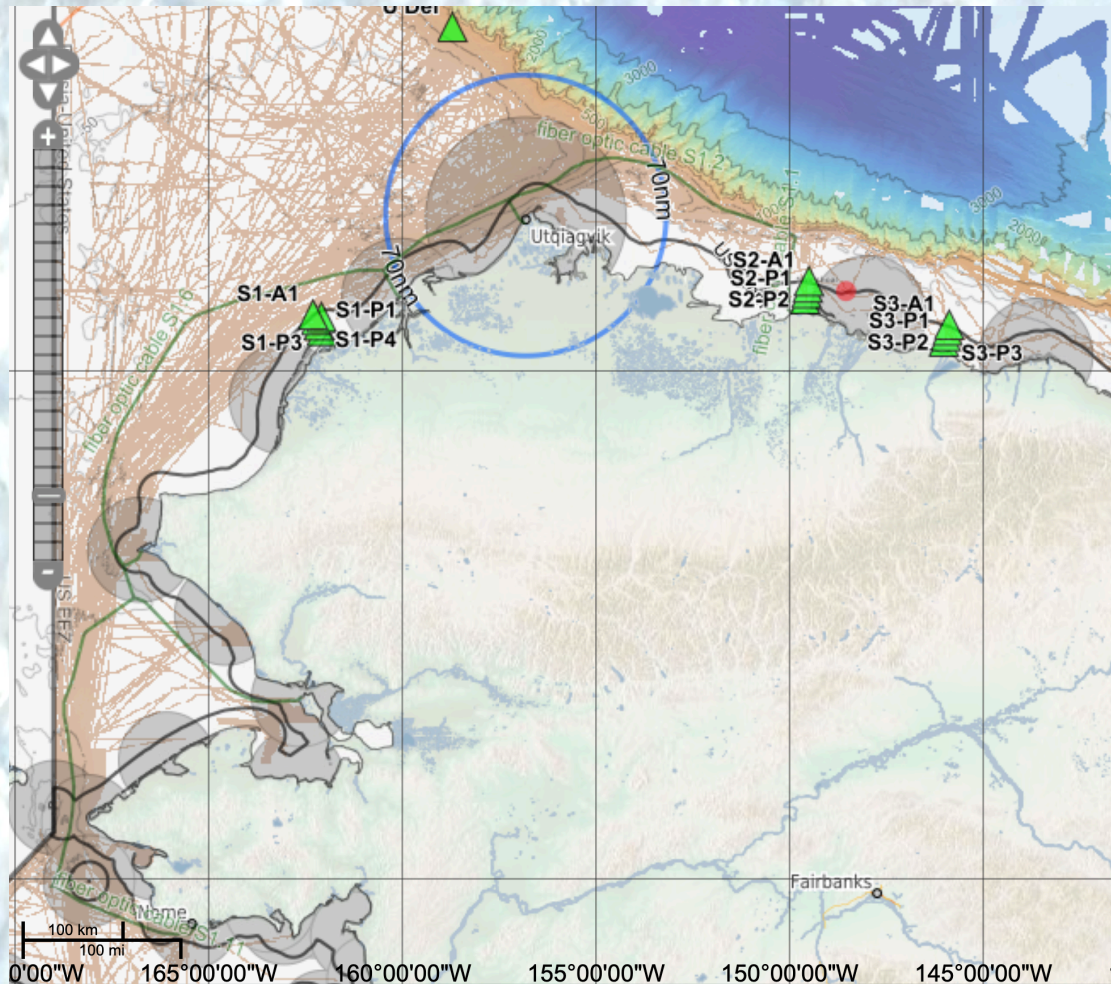
Tonight

NE winds 20 kt. Seas 5 ft.





















Satellite Imagery MapServer

Steve Roberts UAF



Cruise: SKQ201925P
lon: -122.31322325
lat: 47.649581817
heading: 309.72
cog: 280.09
sog: 0.0 knt
Tue, 14 Jan 2020 19:15:50 GMT

-  GFS sfc wind speed([legend](#))
-  WAVEWATCH III([legend](#))
-  WW3([legend](#))**WARNING: Updates ended!**
-  RTOFS ([NCEP Ocean Model](#))
-  SST MUR([legend](#))
-  SST MW([legend](#))
-  MODIS Daily([Visible TrueColor, 250m](#))
-  VIIRS,MODIS Realtime(Vis, ~300m)
-  NWS Analysis ([legend](#))
-  GOFS Ice Drift([legend](#))
-  GOFS Ice Concentration([legend](#))
-  GOFS Ice Thickness([legend](#))
-  AMSR2 ([legend](#))
-  ASCAT Sea Ice
-  Sentinel-1A Plan
-  Sentinel-1B Plan
-  SKQ201923S RadarSat 2 Plan
-  SAR(RadarSat,Sentinel)

0°00'00"W 165°00'00"W 160°00'00"W 155°00'00"W 150°00'00"W 145°00'00"W 140°00'00"W



Ice Analysis is Gathered via MapServer

RSAT-2 Data and Products © MacDONALD, DETTWILER AND ASSOCIATES LTD. (2018) – All Rights Reserved.
RSAT is an official mark of the Canadian Space Agency.

Cruise: SKQ201923S
lon: -159.144283817
lat: 72.530173200
heading: 23.08
cog: 23.40
soq: 10.3 knt
Sun, 10 Nov 2019 15:26:41

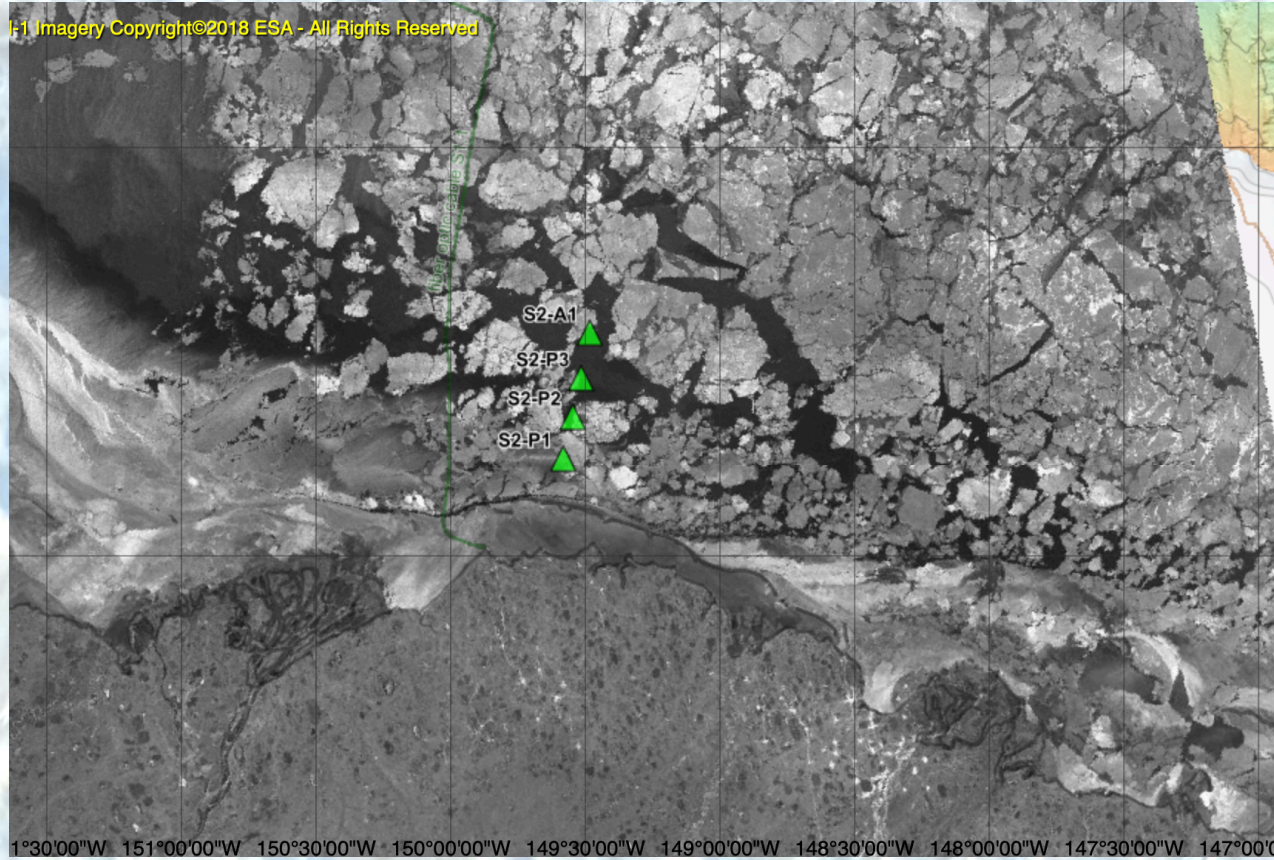


- 20191107_1610 S1A
- 20191107_1658 S1B
- 20191107_1748 S1A
- 20191107_1836 S1B
- 20191108_0415 RS2_NIC
- 20191108_0419 S1B
- 20191108_1601 S1B
- 20191108_1650 S1A
- 20191108_1739 S1B
- 20191108_1829 S1A
- 20191108_1915 S1B
- 20191109_0322 S1B
- 20191109_0346 RS2_NIC
- 20191109_1642 S1B
- 20191109_1733 S1A
- 20191109_1821 S1B
- 20191110_0316 RS2_NIC
- 20191110_0404 S1B

Radarsat 2 SAR



MapServer



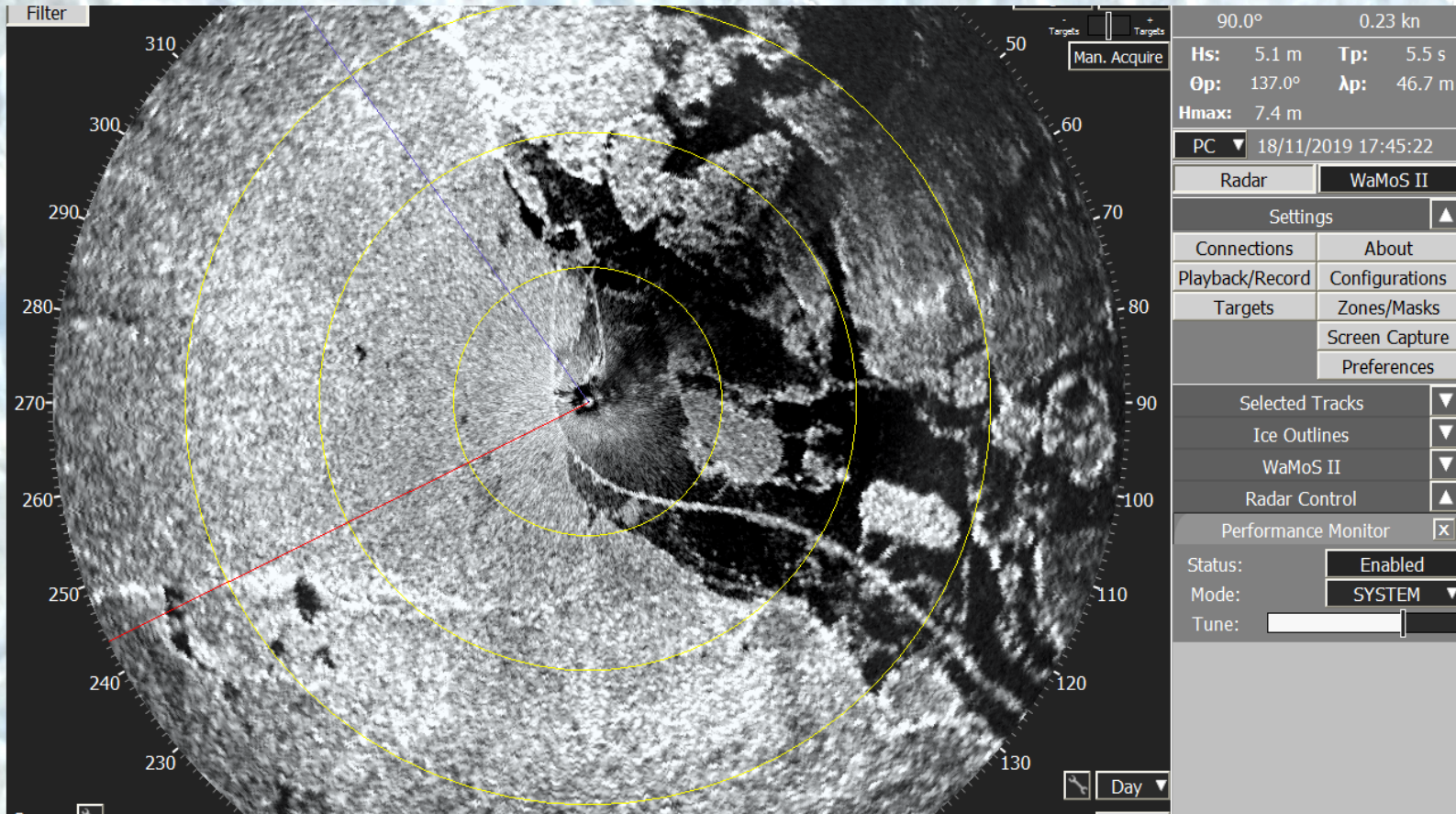
Cruise: SKQ201923S
lon: -148.480465633
lat: 71.254823200
heading: 201.61
cog: 225.68
sog: 1.4 knt
Sat, 16 Nov 2019 05:25:4

- 20191113_0427 S1B
- 20191113_1609 S1B
- 20191113_1659 S1A
- 20191113_1747 S1B
- 20191113_1837 S1A
- 20191114_0241 S1A
- 20191114_0259 RS2_NIC
- 20191114_0330 S1B
- 20191114_1600 S1A
- 20191114_1650 S1B
- 20191114_1740 S1A
- 20191114_1828 S1B
- 20191114_1917 S1A
- 20191115_0323 S1A
- 20191115_0411 RS2_NIC
- 20191115_1551 S1B
- 20191115_1731 S1B
- 20191115_1907 S1B

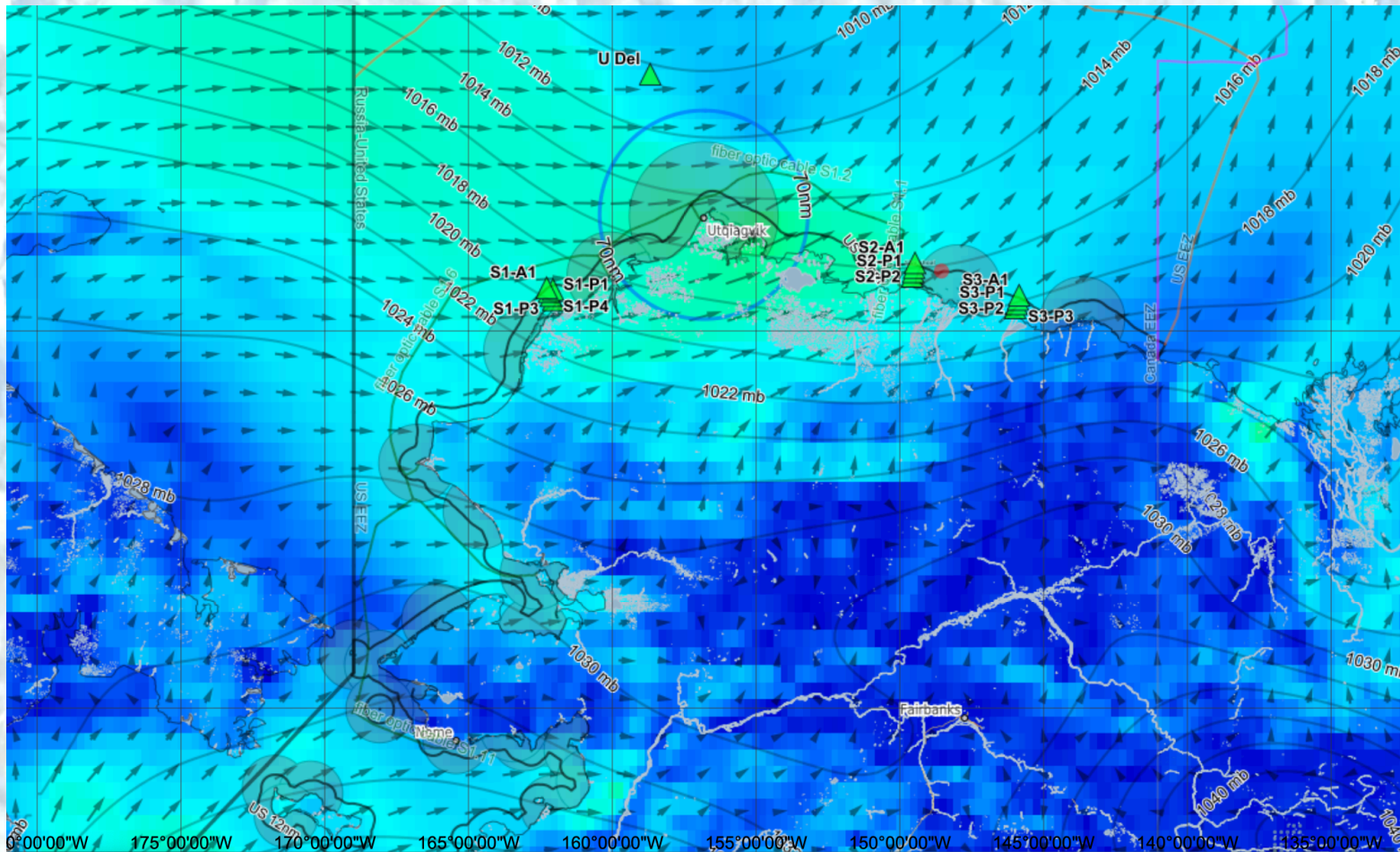
Sentinel-1 SAR



Rudder Ice Radar



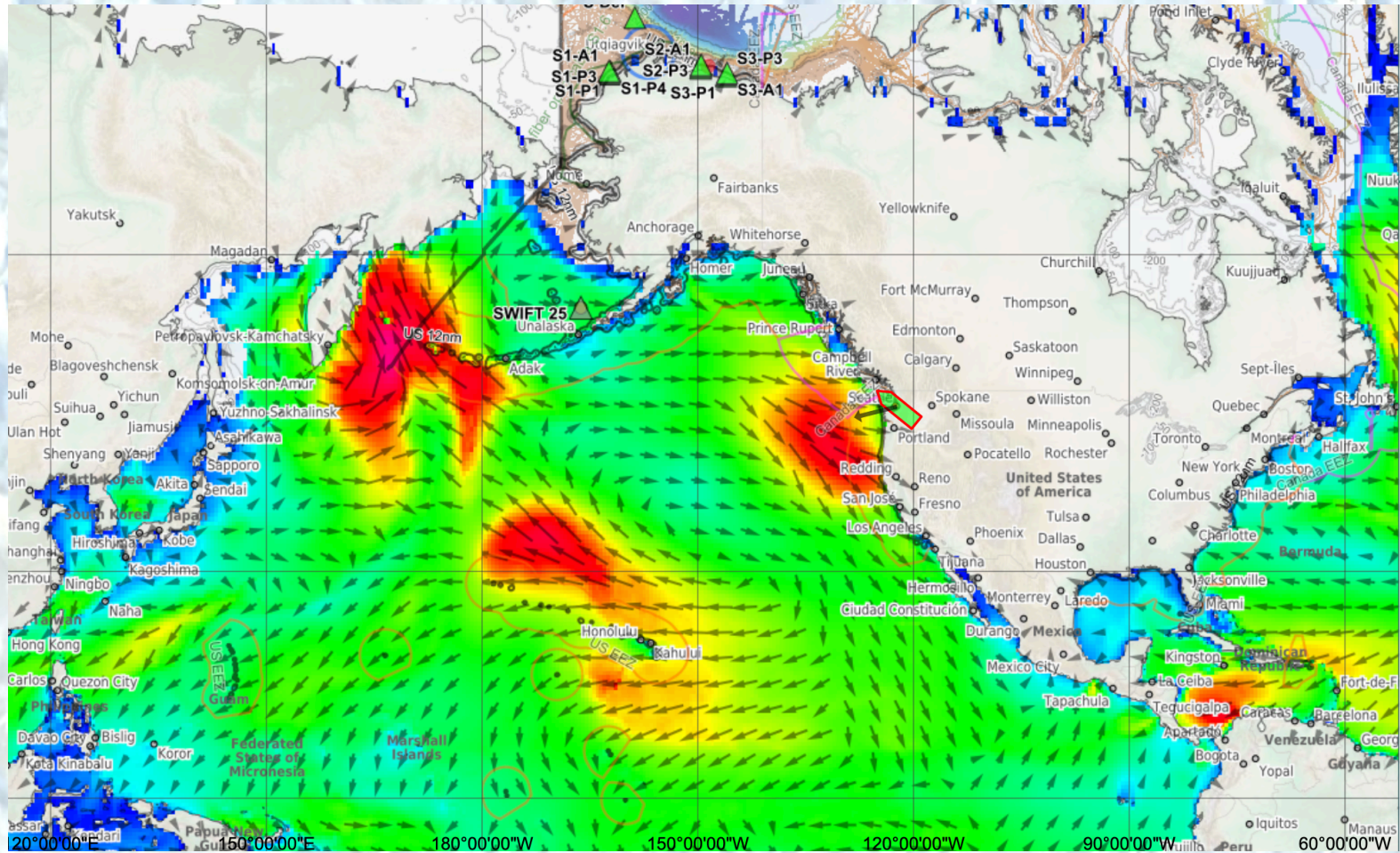
MapServer



GFS - Wind Model



MapServer



Wave Module



© John Guillote

Questions?

