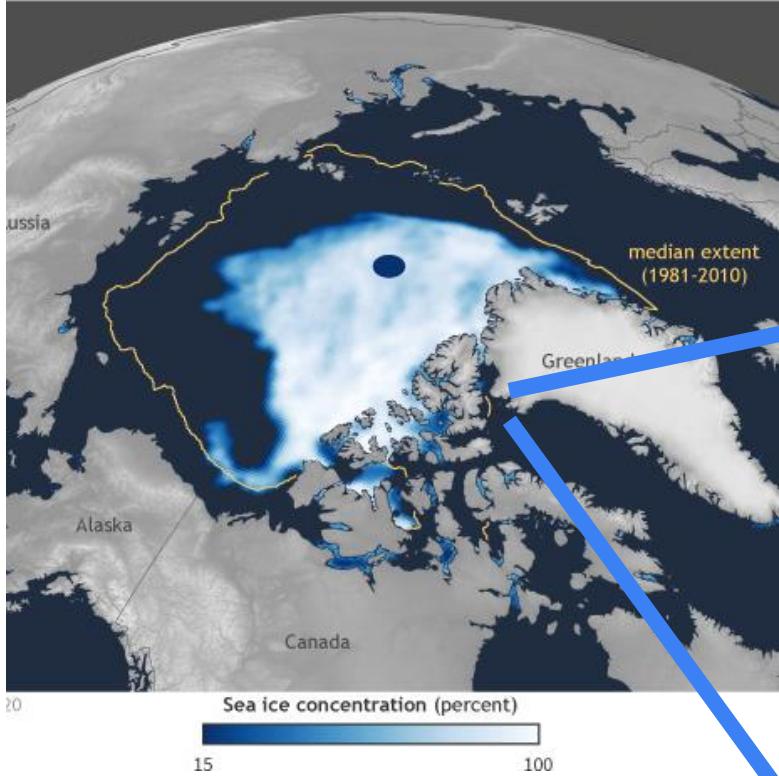


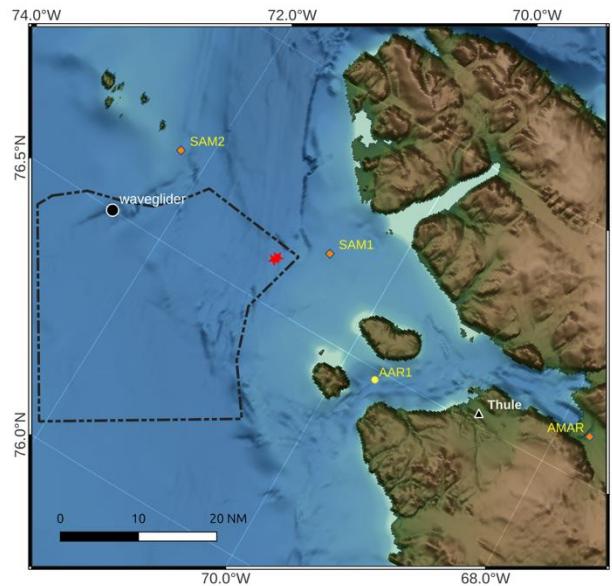


ICE PPR Ocean Atmosphere Pittufik (Thule) Ship to Shore Demo Sep 2025

summer minimum 2020



ICE PPR Ocean Atmosphere Pittufik (Thule) Ship to Shore Demo & Sea Sep 2025



Map: Romina Gehrmann



WORLDVIEW

Thule Air Base Airport, Qaanaaq,



Layers Events Data

REFERENCE

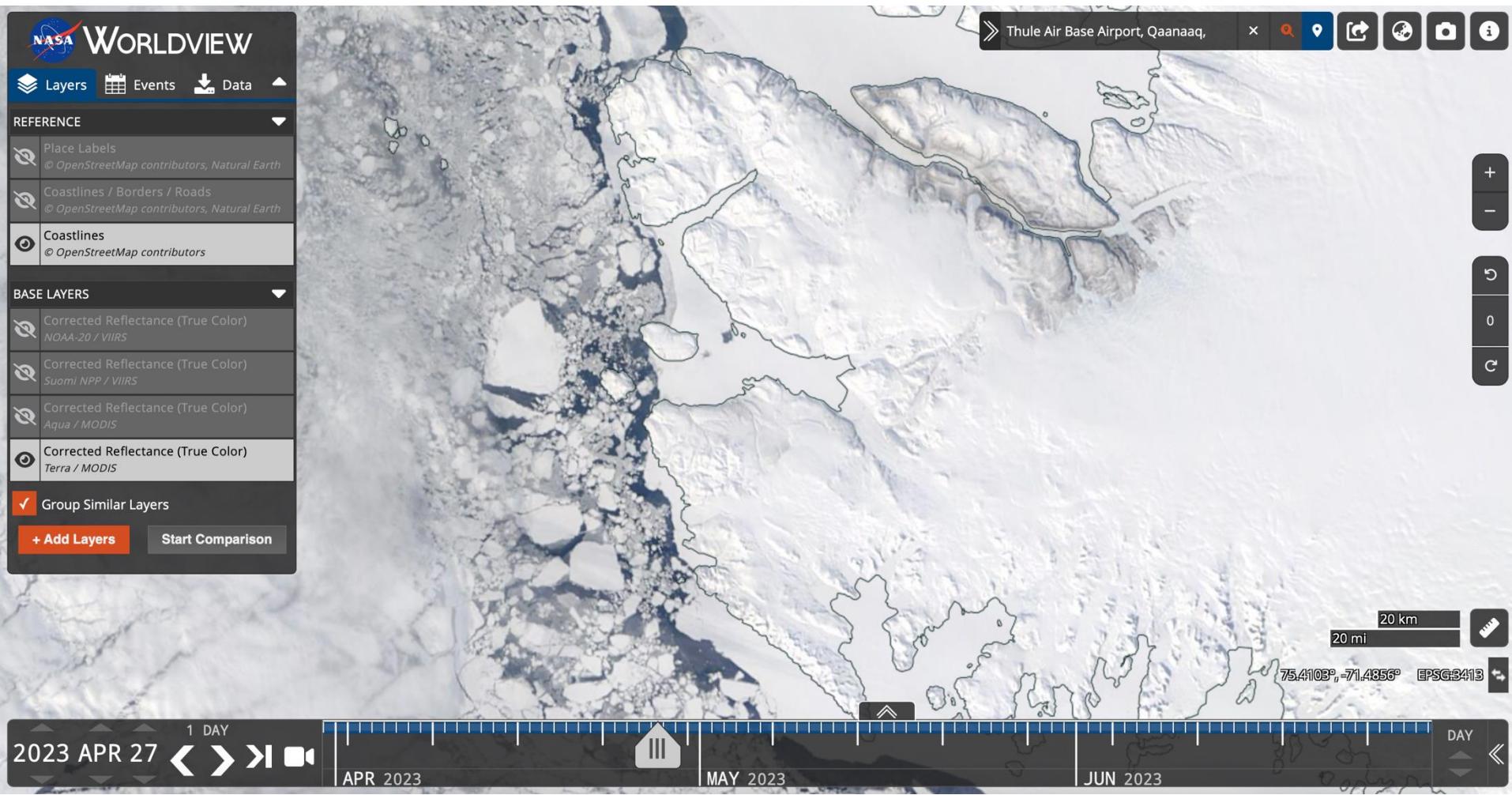
- Place Labels
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BASE LAYERS

- Corrected Reflectance (True Color)
NOAA-20 / VIIRS
- Corrected Reflectance (True Color)
Suomi NPP / VIIRS
- Corrected Reflectance (True Color)
Aqua / MODIS
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Terra / MODIS

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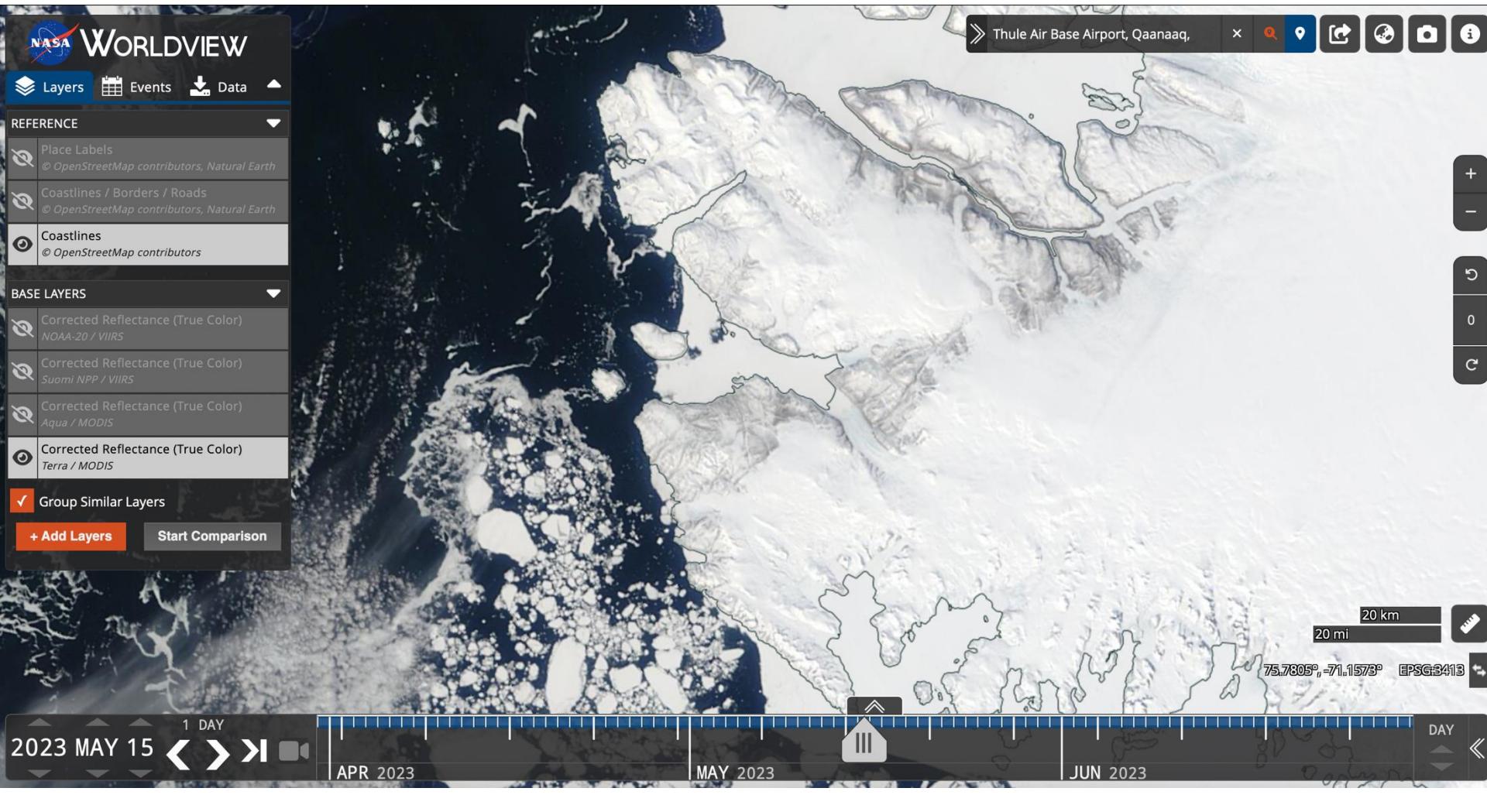
BASE LAYERS

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NOAA-20 / VIIRS
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Suomi NPP / VIIRS
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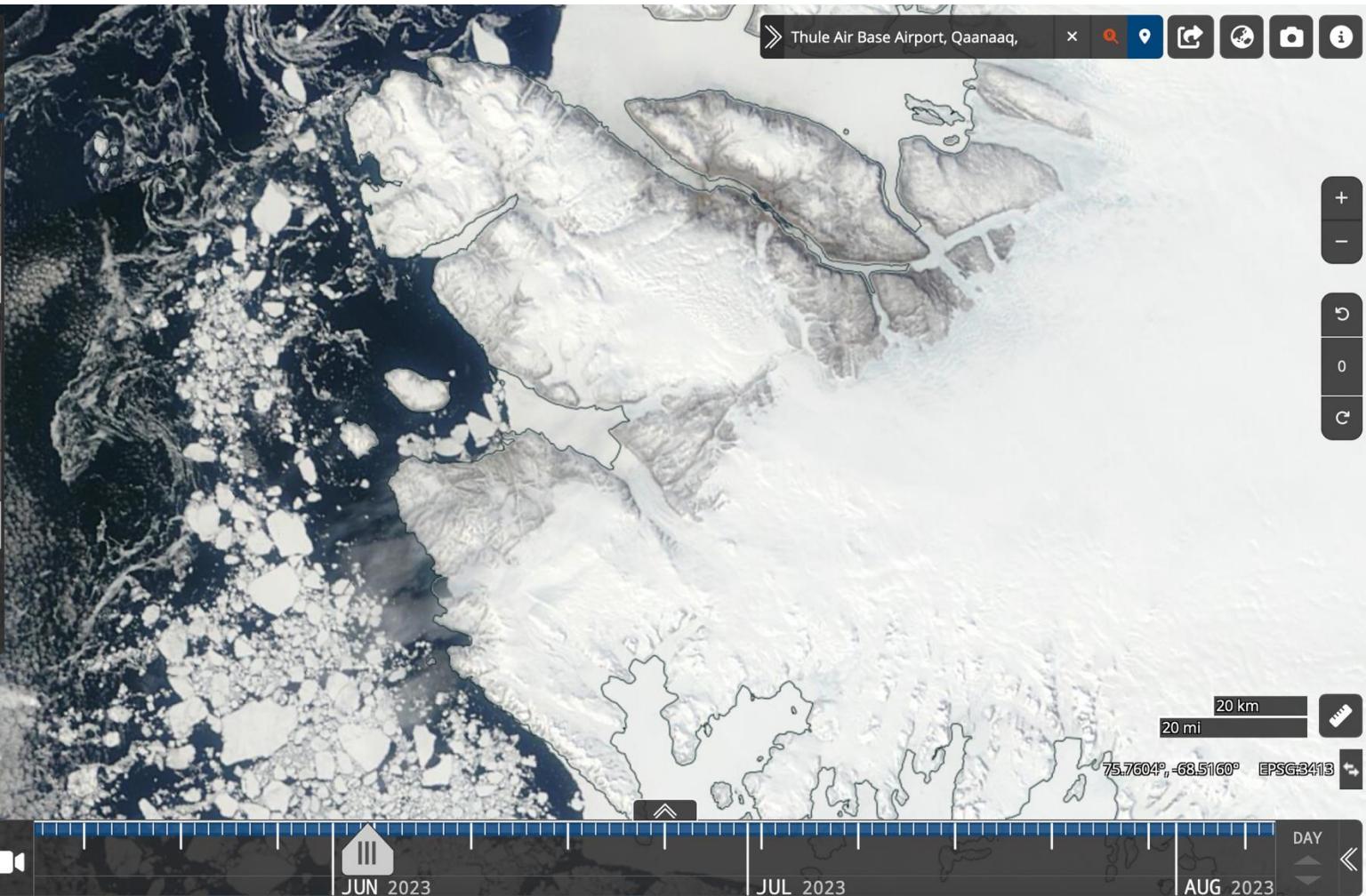
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- Corrected Reflectance (True Color)
Aqua / MODIS
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Thule Air Base Airport, Qaanaaq,





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Aqua / MODIS
- Corrected Reflectance (True Color)
Terra / MODIS

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1 DAY
2023 JUN 14

JUN 2023



JUL 2023

AUG 2023

DAY

Thule Air Base Airport, Qaanaaq,

+

0

C

20 km

20 mi

76.5650°, -67.4996° EPSG:3413



WORLDVIEW

Thule Air Base Airport, Qaanaaq,



Layers

Events

Data

REFERENCE

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Coastlines

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BASE LAYERS

Corrected Reflectance (True Color)
NOAA-20 / VIIRS

Corrected Reflectance (True Color)
Suomi NPP / VIIRS

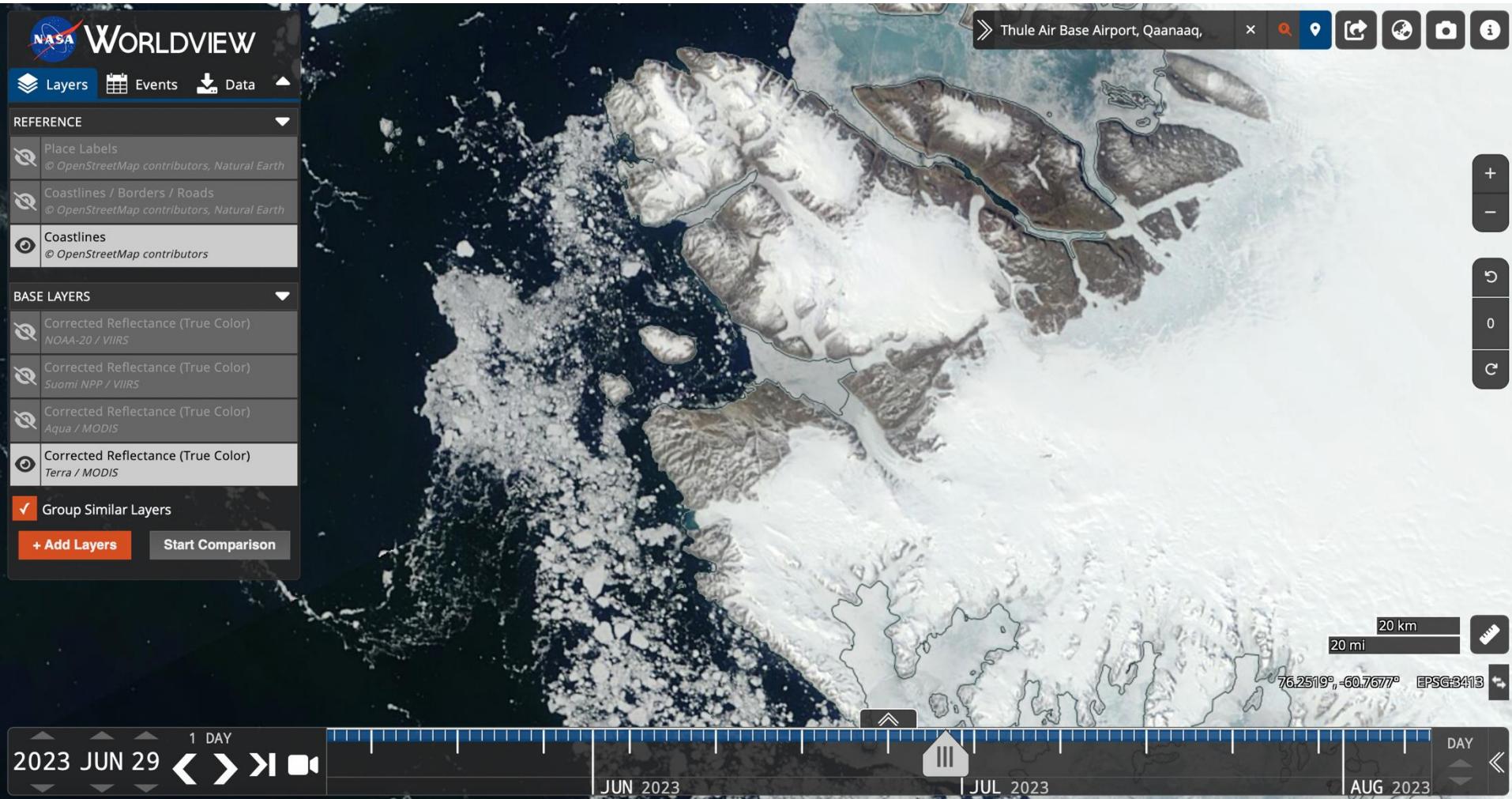
Corrected Reflectance (True Color)
Aqua / MODIS

Corrected Reflectance (True Color)
Terra / MODIS

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WORLDVIEW

Thule Air Base Airport, Qaanaaq,



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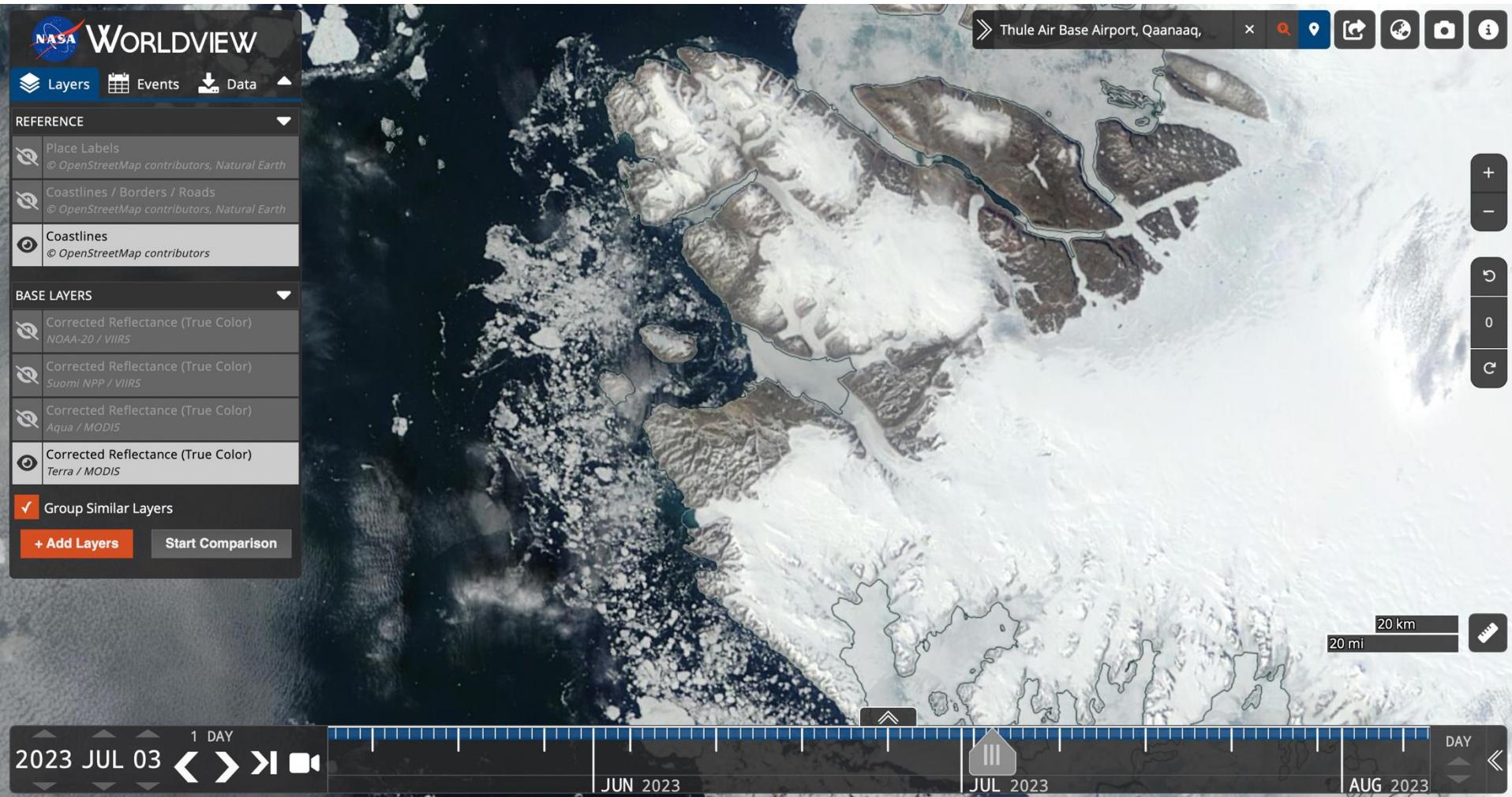
BASE LAYERS

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NOAA-20 / VIIRS
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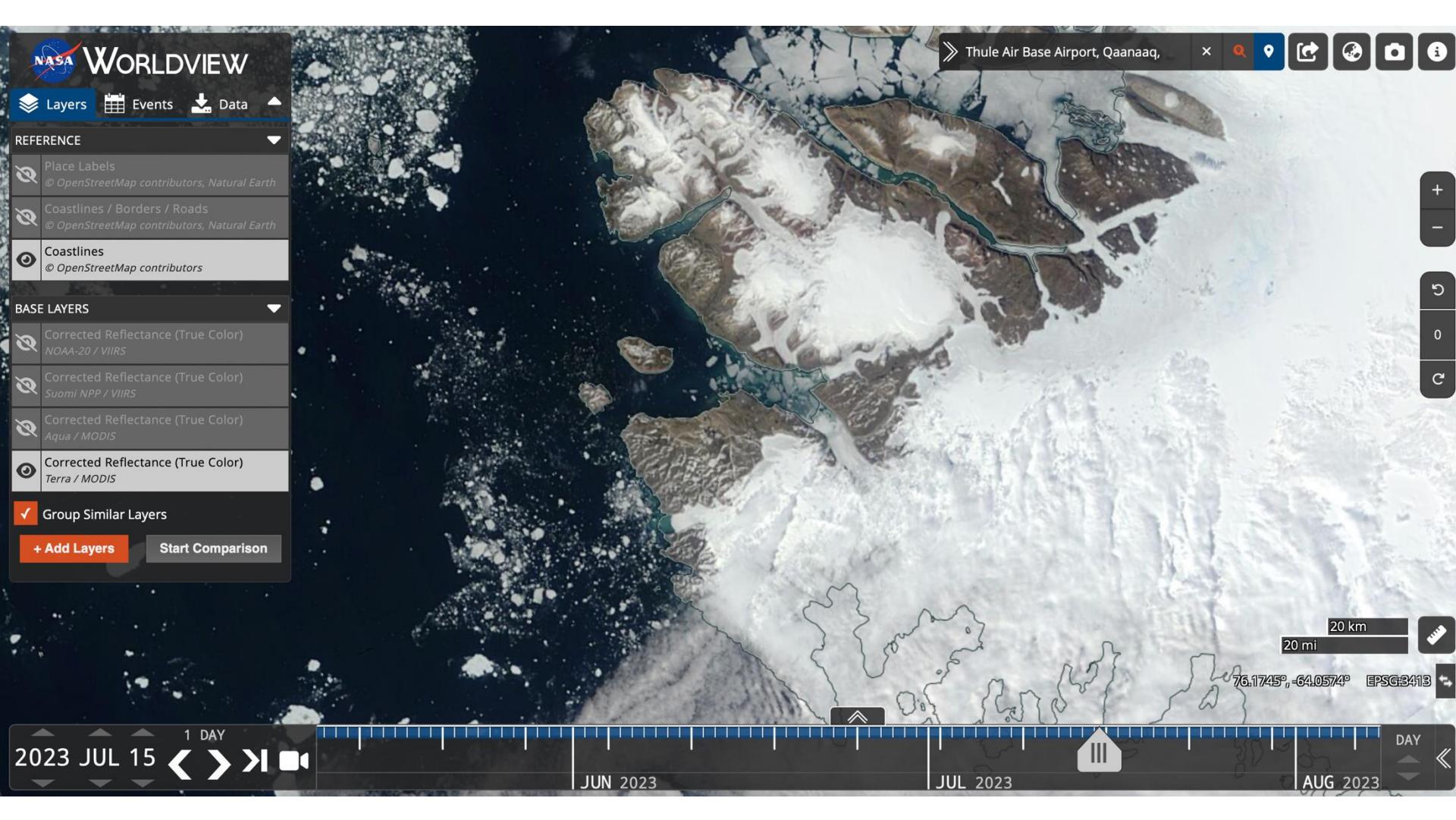
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NOAA-20 / VIIRS
- Corrected Reflectance (True Color)
Suomi NPP / VIIRS
- Corrected Reflectance (True Color)
Aqua / MODIS
- Corrected Reflectance (True Color)
Terra / MODIS

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Thule Air Base Airport, Qaanaaq,



1 DAY

2023 JUL 15



JUN 2023

JUL 2023

AUG 2023

DAY

76.1745°, -64.0574° EPSG:3413



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Aqua / MODIS
- Corrected Reflectance (True Color)
Terra / MODIS

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Thule Air Base Airport, Qaanaaq,



20 km

20 mi

76.3105°, -62.3169° EPSG:3413

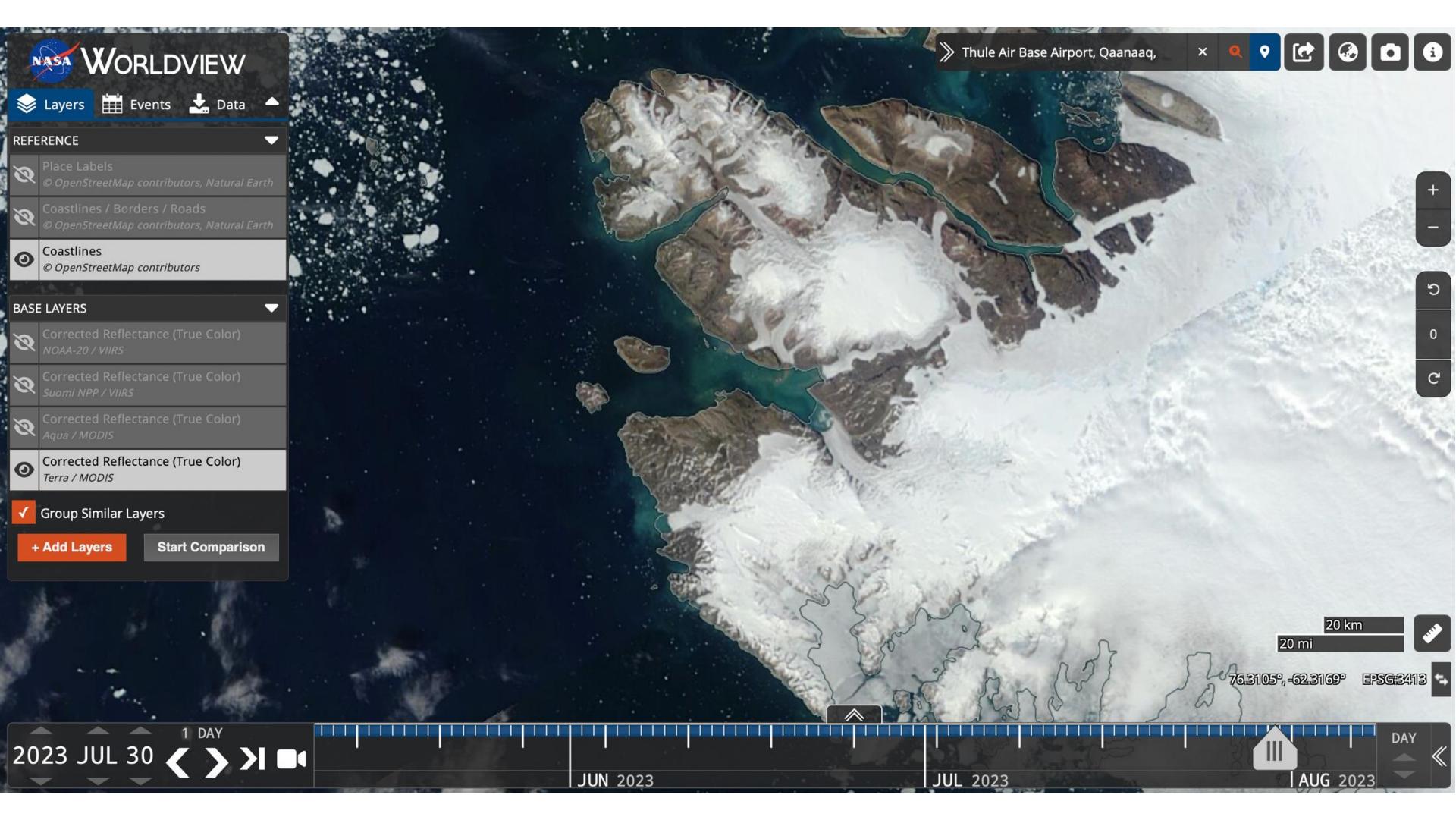
1 DAY
2023 JUL 30

JUN 2023

JUL 2023

AUG 2023

DAY
 AUG 2023

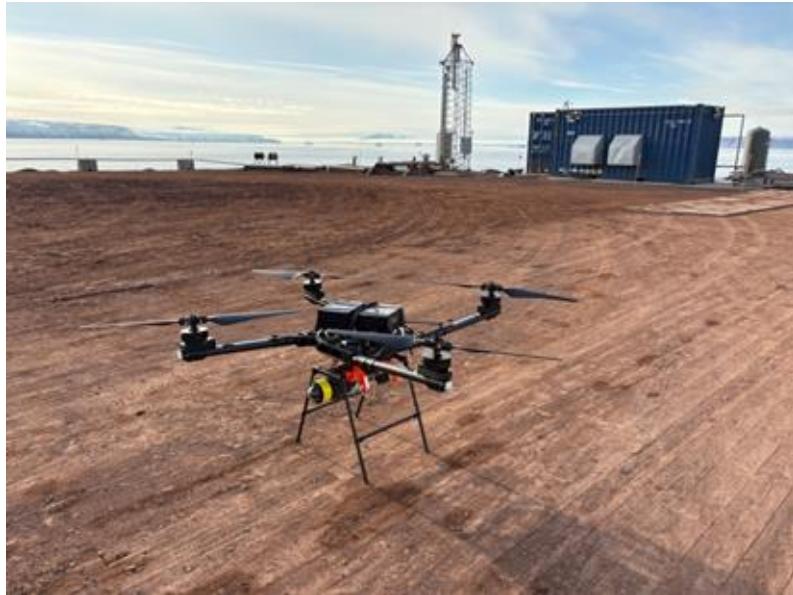




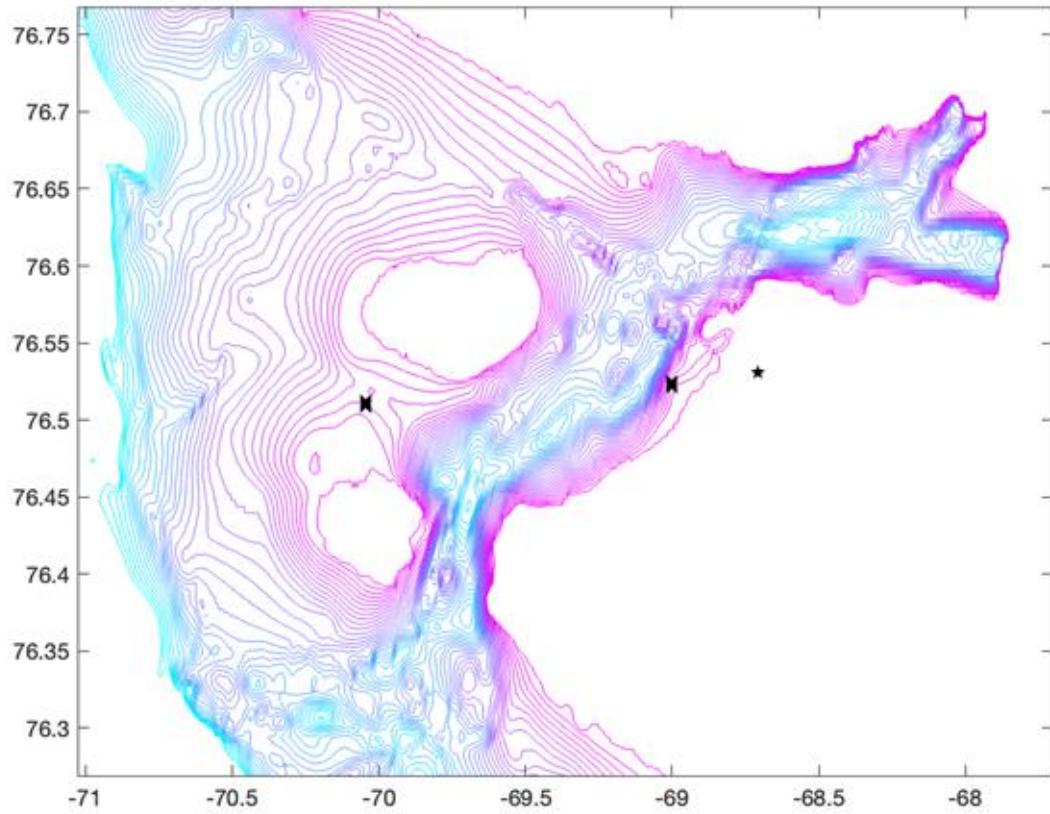
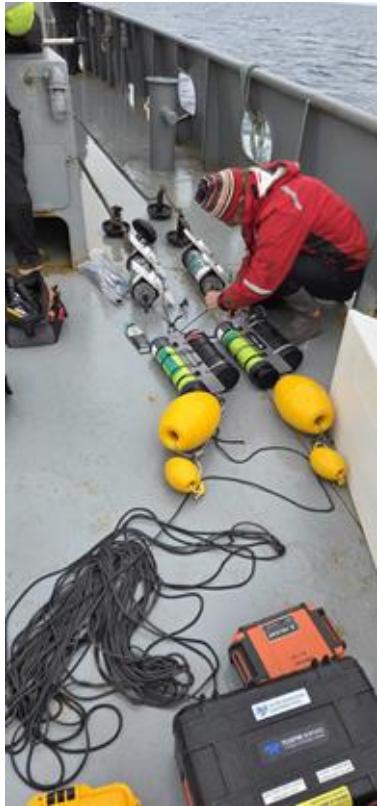
SWIFT 20 mooring



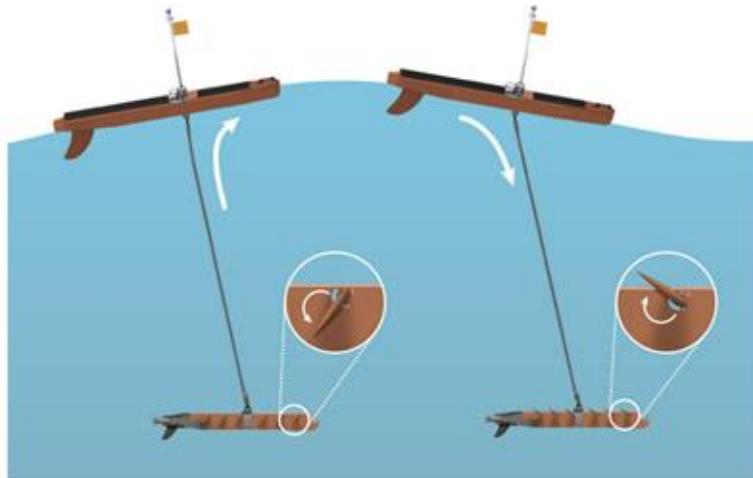
Drifting microSWIFT buoys -- drone deployments



Sea floor moorings (over-winter)

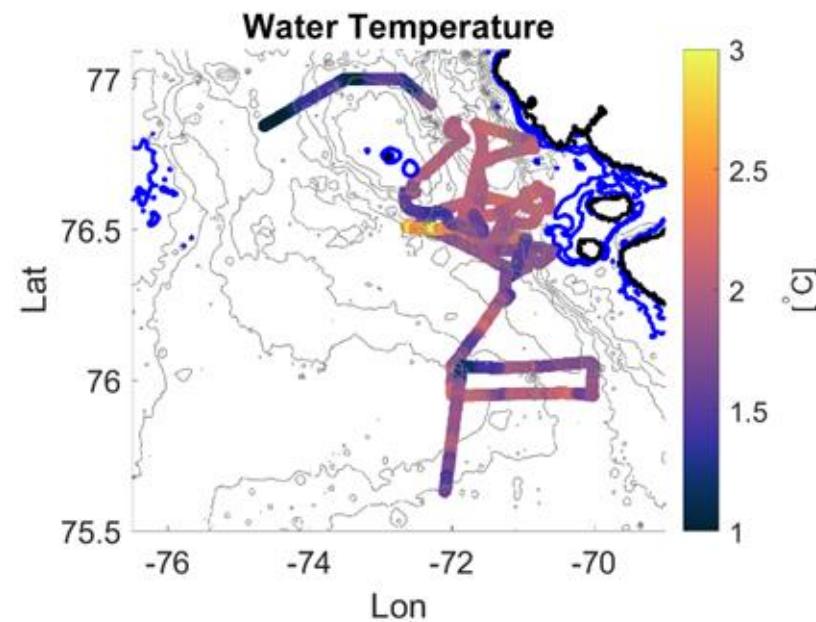
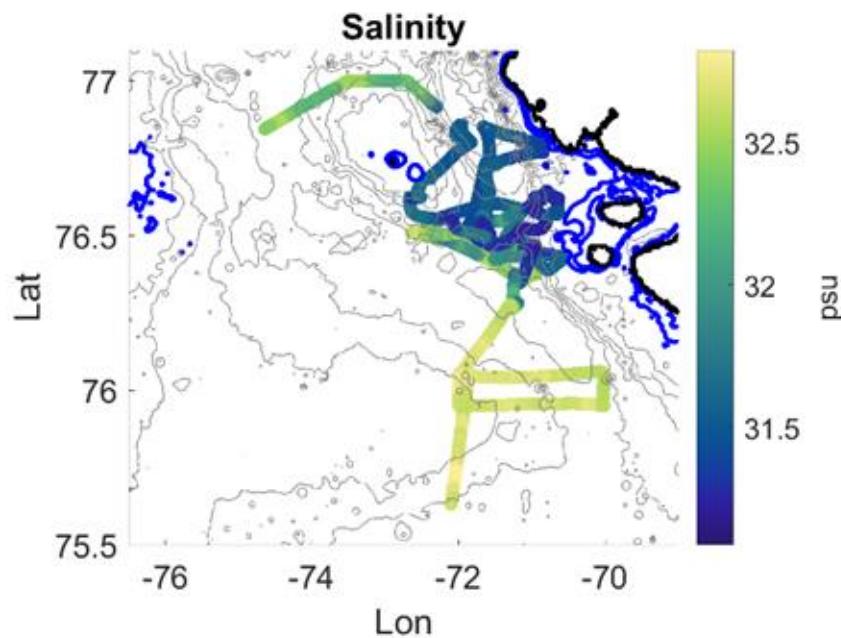


Wave Glider autonomous surface vehicles

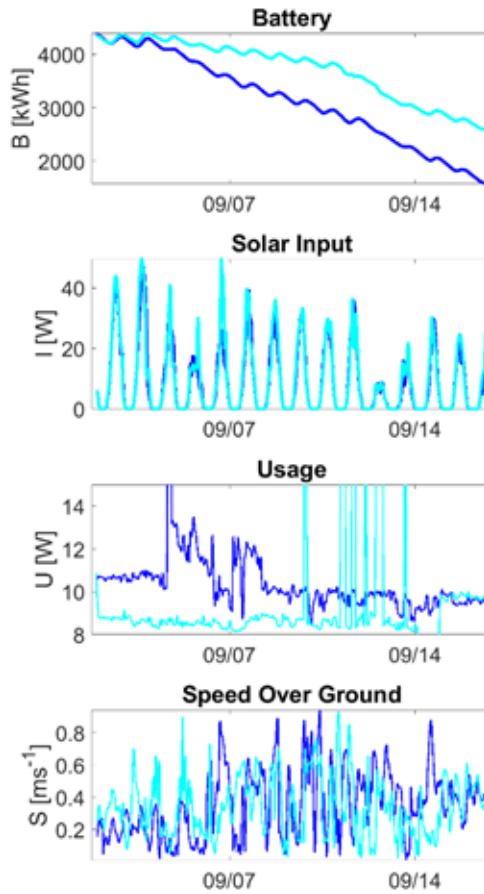
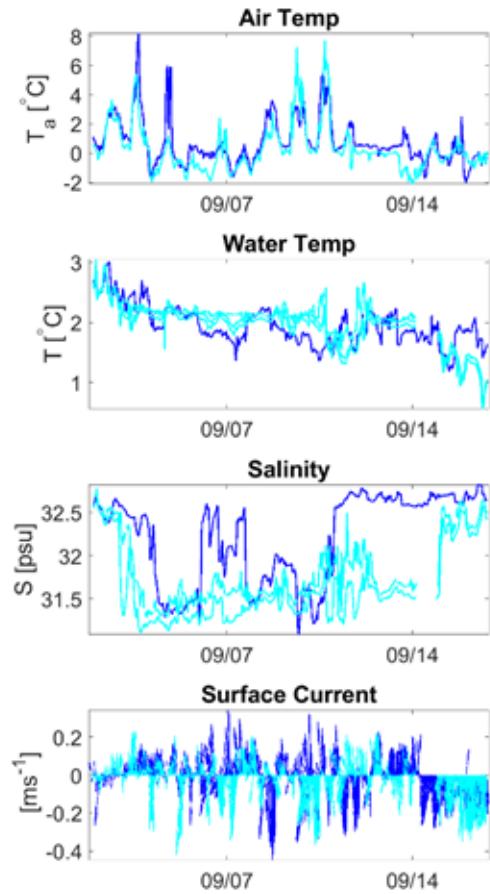
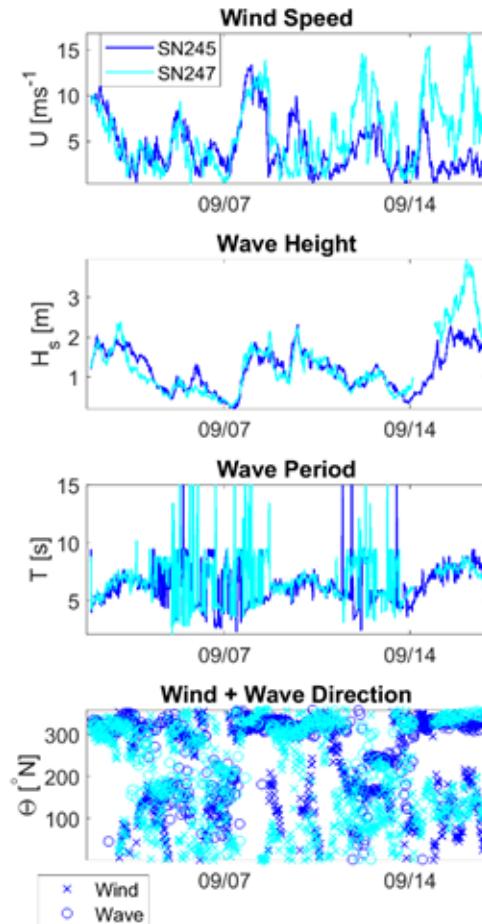


Deployment on 1 Sep 2025 by
DRDC staff from Mersey Venture

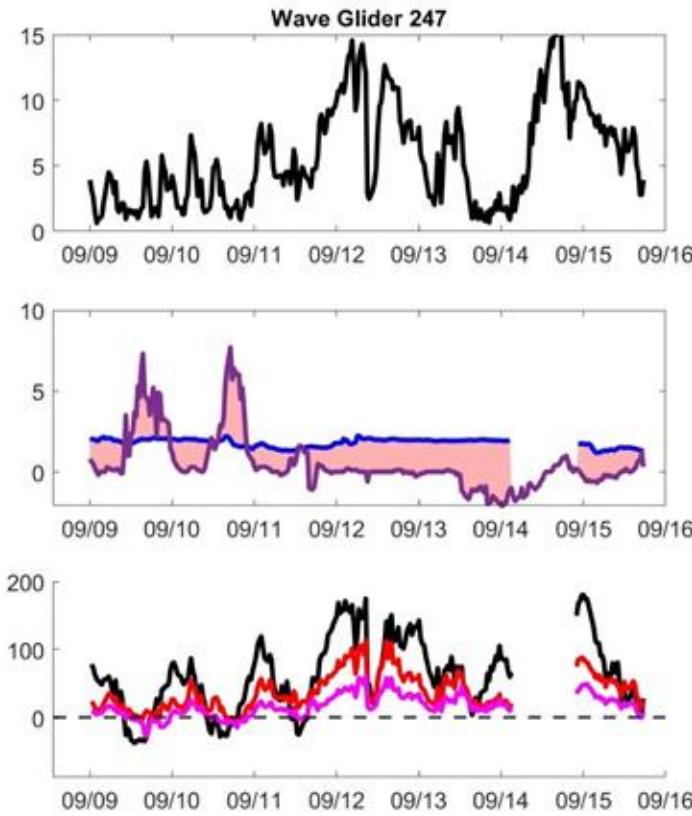
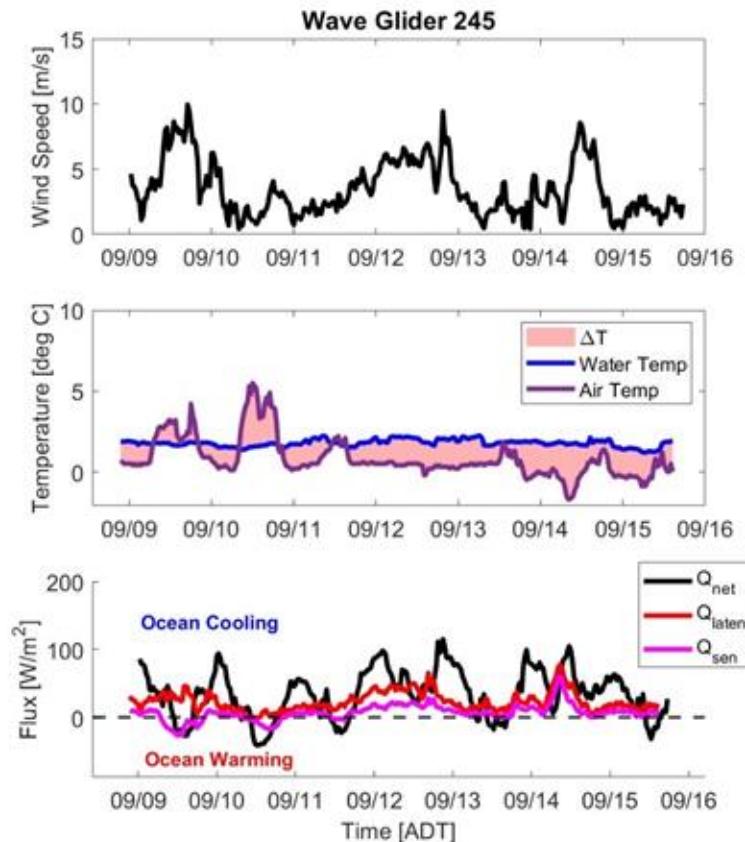
Wave Glider map



Wave Glider time series



Wave Glider fluxes





Next Pittufik exercise planned for Apr 2026

Ongoing plans for larger scale work in Baffin Bay, 2026-2028