

2024 Amundsen Expedition

UPDATE

April 2024



The 2024 *Amundsen* Expedition will take place from 14 June to 30 October, divided into 5 legs spaced at 28-day intervals, for a total of 139 days at sea.

Seven research programs are allocated ship time during the 2024 *Amundsen* Expedition:

- **Imappivut & DFO Benthic Refuges:** A co-developed understanding of the Labrador Sea and Davis Strait – ROV program
- **KEBABB/KEBABS:** Knowledge and Ecosystem-Based Approach in Baffin Bay and Barrow Strait
- **ArcticCORE:** Arctic Conservation, Observation, Research & Engagement
- **Refuge Arctic:** Integrated study of the Tuvaijuittuq region, the last refuge of the changing Arctic Ocean
- **TCA:** Transforming Climate Action
- **SN-WAGE Grad School:** The Sentinel North-WAGE Trans-Sectoral International Graduate School on the Emergence of Innovative Blue Economies in the Arctic
- **CEOS-CERC Oceanographic Moorings**

The scientific mobilization will take place in Quebec City from 30 May to 13 June, with a second short mobilization in St. John's on 10 July for the Leg 2 teams.

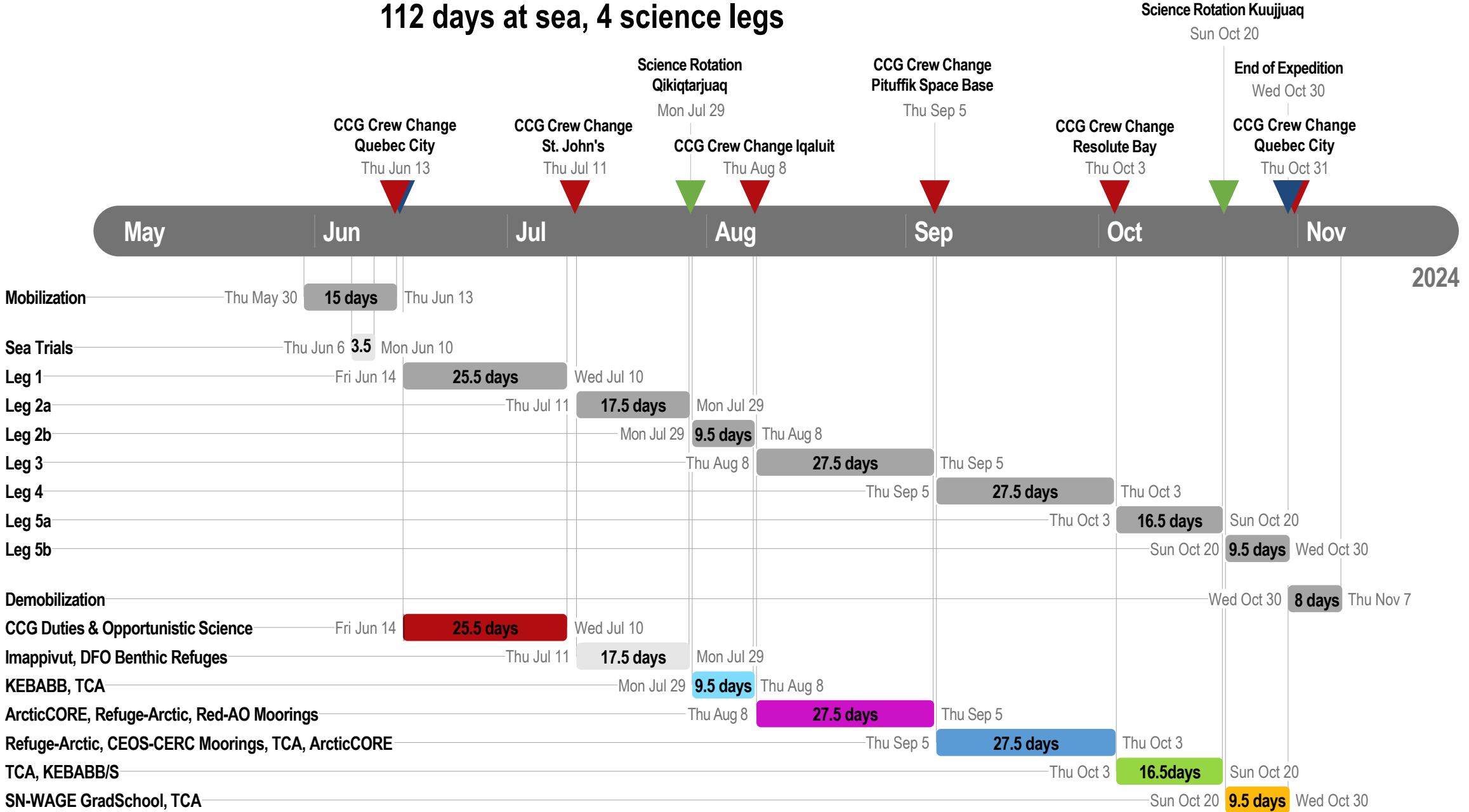
Leg 1 will be dedicated to CCG icebreaking and escort duties and opportunistic science in the Lower Arctic. The scientific expedition will then span Leg 2 to Leg 5, from 11 July to 30 October 2024, for 112 days at sea.

Leg 2 will be divided into 2 segments with a rotation of scientific personnel in Qikiqtarjuaq on 29 July. The crew change between Legs 3 and 4 will take place at the Pituffik Space Base. Leg 5 will be divided into 2 segments with a science rotation in Kuujuaq on 20 October. Flights will be chartered by Amundsen Science for the rotations of scientific personnel in Legs 2 and 5.

The research programs supported in 2024 have a strong focus on the High Arctic and will study marine ecosystems through multidisciplinary research activities and integrated studies targeting the physical, chemical and biological environments and the geology of the seabed of the Labrador Sea, Baffin Bay, Nares Strait, Lancaster Sound and Ungava Bay.

2024 Amundsen Expedition – Preliminary Expedition Schedule – April 2024

112 days at sea, 4 science legs



2024 Amundsen Expedition

Expedition Plan Overview

5 Legs

14 June to 30 October

4 science Legs
112 days at sea

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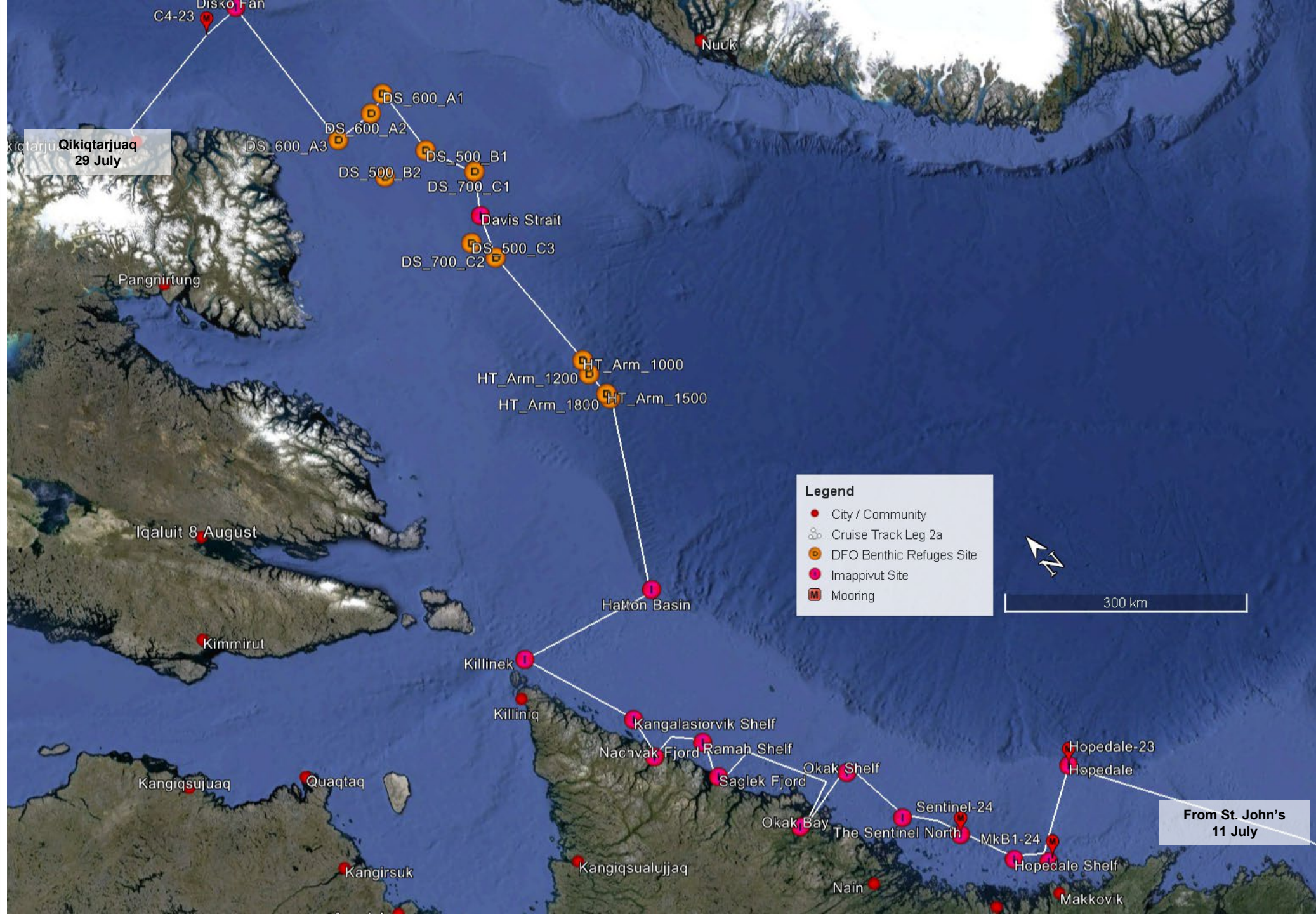
Leg 2a

11 July to 29 July
St. John's to Qikiqtarjuaq

Science Rotation
Qikiqtarjuaq, 29 July

Imappivut – ROV Program
DFO Benthic Refuges

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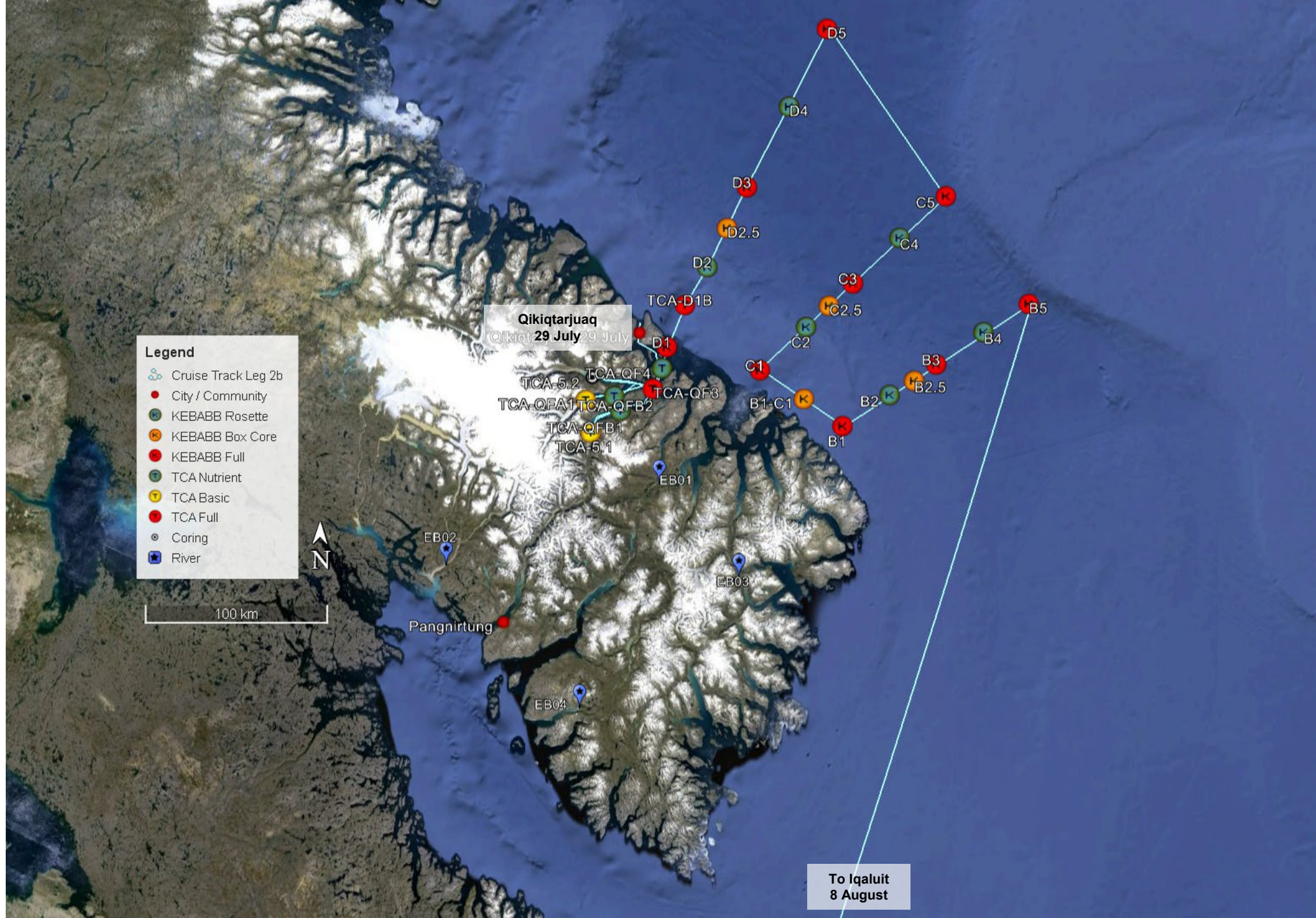
Leg 2b

29 July to 8 August
Qikiqtarjuaq to Iqaluit

Science Rotation
Qikiqtarjuaq, 29 July

KEBABB Transects B, C, D
TCA-Qik Transect

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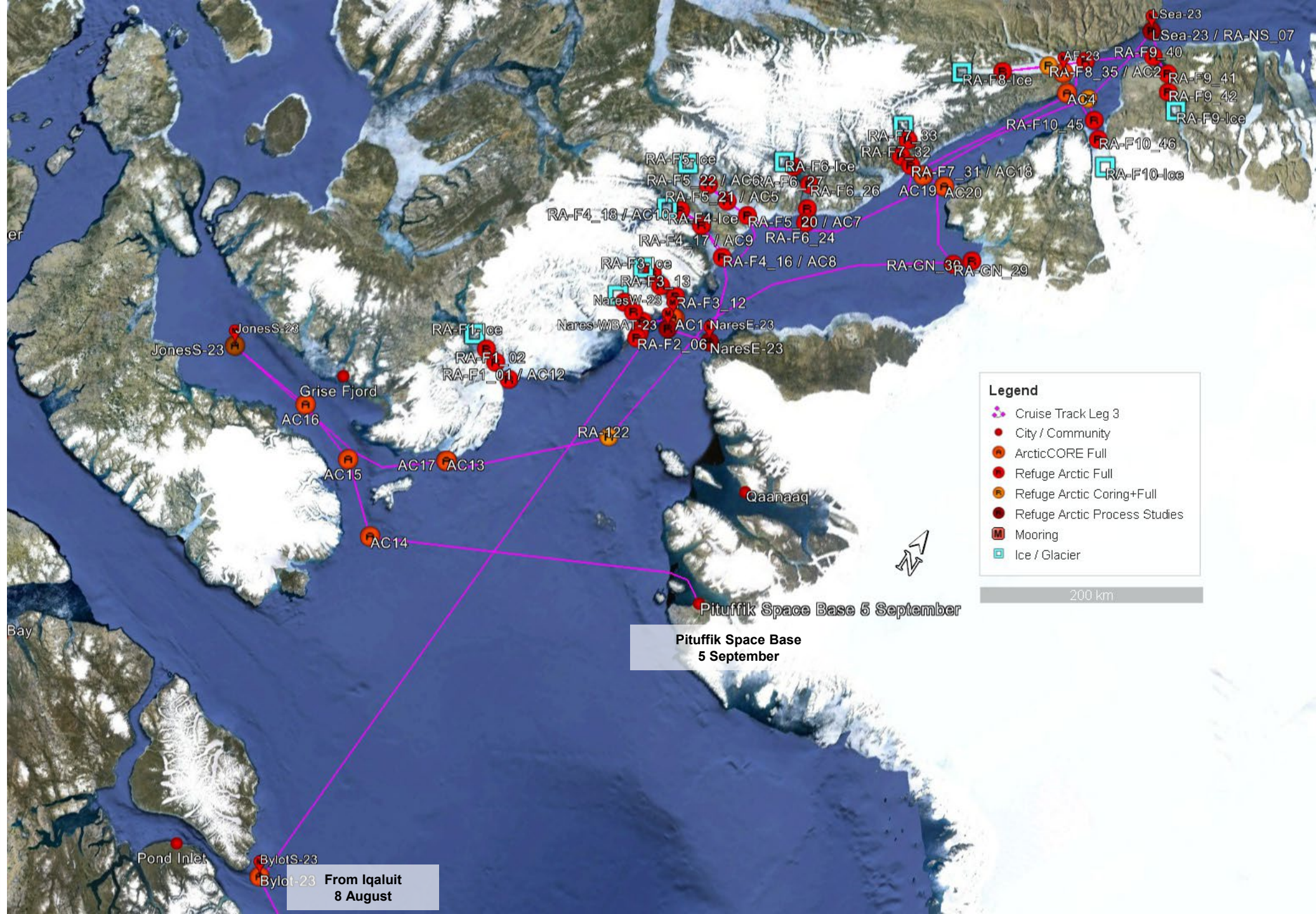


2024 Amundsen Expedition

Leg 3

8 August to 5 September
Iqaluit to Pituffik Space Base

Refuge Arctic : Fjords
ArcticCORE
Red-AO Moorings



2024 Amundsen Expedition

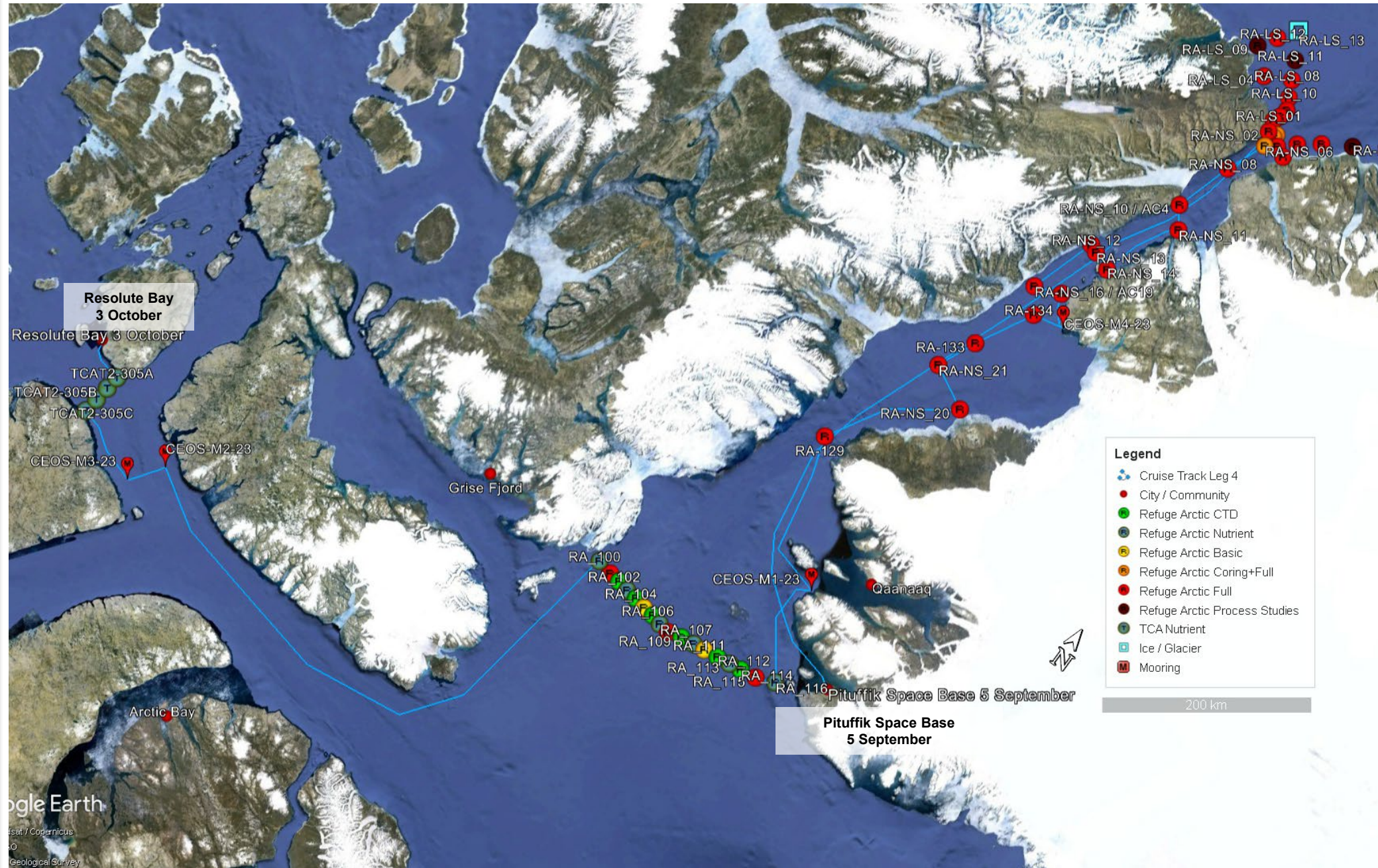
Leg 4

Main cruise plan with priority
operations shown
(Alternate plans in place if ice
conditions allow access to
Lincoln Sea)

5 September to 3 October
Pituffik Space Base to
Resolute Bay

Refuge Arctic
KEBABS
TCA
ArcticCORE
CEOS-CERC Moorings

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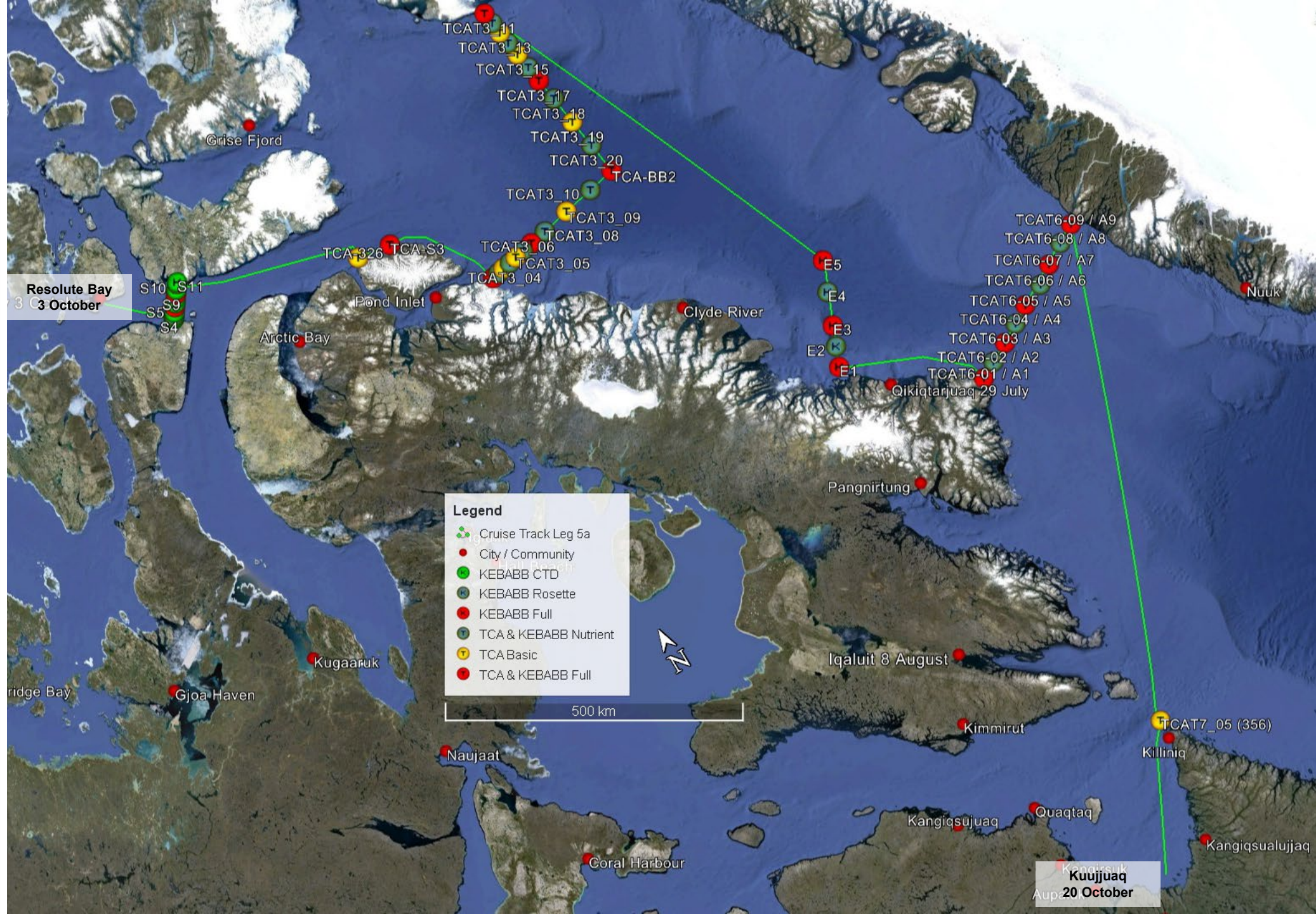
Leg 5a

3 October to 20 October
Resolute Bay to
Kuujuaq

Science Rotation
Kuujuaq, 20 October

TCA
KEBABB

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Leg 5b

20 October to 30 October
Kuujuaq to Quebec City

Science Rotation
Kuujuaq, 20 October

SN-WAGE Grad School
TCA

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