

TO EGRIP STEERING COMMITTEE MEMBERS, DANISH AND GREENLANDIC AUTHORITIES.

Expedition Permit C-22-5 EGRIP – SITuation REPort (SITREP) no.17, Sunday 14 August 2022

This SITREP covers the period August 8 – August 14, 2022 (inclusive).

Movement of personnel:

- 13-08-2022 Marie Kirk (DK), Elizabeth Bagshaw (UK) and Michael Prior-Jones (UK) from CPH to Kangerlussuaq by Air Greenland.
- 14-08-2022 Elizabeth Bagshaw (UK) and Michael Prior-Jones (UK) from Kangerlussuaq to EGRIP by 109th.
- 14-08-2022 Søren Børsting (DK), Mikkel Langgaard Lauritzen (DK), Johannes Lohmann (DK/DE), Barbara Seth (CH/DE), Julien Westhoff (DK/DE), Andreas Fichtner (CH/DE), Coen Hofstede (DE/NL), Zhiyuan Gao (CAN), David Binne (CAN), Sonja Wahl (DE) and Florian Painer (DE) from EGRIP to Kangerlussuaq by 109th.

Movement of cargo:

- 12-08-2022 370 kg fresh food from CPH-SFJ by Air Greenland
- 14-08-2022 370 kg food, cargo straps cryoegg and 8160 liter fuel from Kangerlussuaq to EGRIP by 109th.
- 14-08-2022 5550 kg Drill boxes, garbage, Ice cores from EGRIP to Kangerlussuaq by 109th.

EGRIP camp activities:

Most activities in camp have focused on packing down camp for end of season close. On the surface, all overwintering structures have been lifted and secured. Staff has begun to make inventories of food and spares, while packing and stowing items for winter. Five out of nine weatherports and both Viessmann cabins have been taken down and packed. Overwintering cargo on the surface is stowed onto heavy sleds, for subsequent parking on snow hills. Camp staff has built more than ten pallets with cargo to go out on pull-out flights.

Drilling:

Drilling has stopped for this season. In the drill trench, the week was spent packing down drills and electronics. This equipment has to go to Antarctica to drill close to Dome C in the Beyond EPICA Oldest Ice project. Various experiments were done in the borehole: Using the new Danish logger, the shape of the borehole was measured. The DAS seismic experiment had 1.4 km optical cable in the borehole while explosives were shot on the surface. A borehole camera was logging visual features in the borehole. The drill trench is now packed down for winter and the only remaining project in the borehole, the cryoegg, will be done next week. Borehole fluid adjusted to 63 m under the floor of the drill trench
Final depth of EGRIP 2022 measured by length of retrieved ice core is 2418.23 m.
Temperature at 2400 m depth in borehole: -11.1°C

Science:

Processing ice cores for 2022 was finished on Monday. Last bag processed was bag 4396 (2417.80 m). Since then, the equipment was packed down and winterized and the ice cores were packed and documented for shipment. The Canadian mercury project is completed and the equipment packed down. Seismic recorders have been placed at the shear margin for monitoring over winter.

EGRIP Camp Population: 12**Weather at EGRIP:**

Weather at EGRIP this week was mostly fine with a couple of days with overcast and snow. There were many days with morning and evening fog, which are typical for the season. Day temperatures have been from -6°C to -13°C and night temperatures were from -11°C to -22°C. Mild winds at 2- 11 kt with one day at 16 kt with some drifting and snowfall. Winds mainly from the Northwest.

Kangerlussuaq activities:

This week has been busy with planning visits by Danish and UK ministers to EGRIP. This involved arranging excursions, catering and briefings. A four day program was made. One day before the visit, everything was cancelled. Loading plans for the three camp closure flights were negotiated with camp, and the last ice core shipment from camp was received Sunday. The ice is now in the freezer in Kangerlussuaq. KISS has been Corona free this week.

Weather in Kangerlussuaq/SFJ:

Two days with fine weather; but most days with low overcast and rain. The cold and wet weather, which also was up and down along the west coast, has caused several days of very irregular airplane traffic to and from Kangerlussuaq. Temperatures between +6°C and +16°C. Mosquitos are almost gone.

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Kangerlussuaq FOMs

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