

TO EGRIP STEERING COMMITTEE MEMBERS, DANISH AND GREENLANDIC AUTHORITIES.

Expedition Permit C-22-5 EGRIP – SITuation REPort (SITREP) no.13, Sunday 17 July 2022

This SITREP covers the period July 11 – July 17, 2022 (inclusive).

Movement of personnel:

- 11.07.2022 Heather Stark (CAN) and Mikkel Langgaard Lauritzen (DK) from Copenhagen to Kangerlussuaq by Air Greenland.
- 16.07.2022 Coen Hofstede (DE/NL), Andreas Fichtner (CH/DE), Barbara Seth (CH/DE) and Iben Koldtoft (DK) from Copenhagen to Kangerlussuaq by Air Greenland.
- 17.07.2022 Sverrir Hilmasson (IS), Caroline Hornnes (DK), Nicolas Stoll (DE), Frederik Bugge Nielsen (DK), Steffen Bo Hansen (DK), Johannes Lohmann (DK/DE), Arbogast, Albert (DE) and Martin Leonhardt (DE) from Copenhagen to Kangerlussuaq by Air Greenland.

Movement of cargo:

- 11.07.2022 (AWB 631-28047493) AAL to SFJ, 260 kg, scientific equipment (6 colli UM CAN).
- 12.07.2022 (AWB 631-98671543) JAV to SFJ, 258 kg, beer kegs, from Hotel Icefiord Ilulissat.
- 14.07.2022 (AWB 631-28048414) CPH to SFJ, 219 kg scientific equipment (8 colli University of CPH).
- 14.07.2022 (AWB 92 8654 2462) DE to SFJ, 8.7kg, Pistenbully crane suspension spares.
- 16.07.2022 (AWB 631-27981192) CPH to SFJ, 734 kg, Frozen food (3 EUR Pallets).

EGRIP camp activities:

Rising temperatures, snowfall and snowdrift have dictated several camp activities. A reduced opening and a new doorway was made in the large open ramp to the drill trench using the large balloon. The skiway was groomed several times due to new snow and snowdrift. To reduce warming, curtains were mounted in the connecting tunnels. Personnel is preparing ice core boxes and cargo for the planned flights next week as well as building pallets. The fuel in the three tanks is redistributed to make tanks ready to receive fuel from arriving planes. Snow was removed around the white garage tent.

Drilling:

The deep drilling began on Tuesday after Monday was used for filter runs and assembly of the deep drill. The first core since 2019 was a 2 m long section. During the week 18 runs were made, totalling more than 58 m with a weekly final depth of 2182.63 m. The core breaks are still hard; but with the new cable, winch motor and winch control, it is still possible to break the cores. The temperature in the trenches is going up due to the warm weather outside and the very large ramp opening from the snow block removal. It was decided to make the entrance smaller so a door can be mounted.

Science:

The U.S. drone team have packed down their equipment. In the science trench, the two AWI shallow ice margin cores were measured with DEP and packed for shipment. The AWI ApRES radar is setup in position for the winter. Two profiles were completed this week with the Mill's cross radar, one SE of camp and one S of camp. Temperature profiles were measured in the two AWI ice margin holes. After a test on Thursday, deep ice core processing: DEP, two cuts in horizontal saw, ECM and line scan began Friday. First core processed: Bag 3857.

EGRIP Camp Population: 28

Weather at EGRIP:

During all days this week, it was overcast with snow and even drifting snow on some days. Only Tuesday had a few sunny spells. The wind has almost completely left the normal katabatic direction SW-WSW and has been coming from NW-N-NE at 6-16 kt. The air is humid with many layers of clouds and fog and mist. During the week, temperatures have gone up from -7°C by day to -3°C by day and night temperatures are now above -10°C.

Kangerlussuaq activities:

This week, people for EGRIP next week began to arrive. Due to the warm and unstable weather conditions, we are now planning with four flights to EGRIP next 10 days. Two FOMs are now in quarantine due to COVID so there is more to do for the rest. Main activities have been to plan the loads of coming flights and building pallets. It has required special care to make the newly arrived Pistenbully ready for flight to EGRIP.

Weather in Kangerlussuaq/SFJ:

Temperatures between +8°C and +22°C. Mostly sunny. A lot of mosquitos.

The EGRIP FOM office:

EastGRIP field operations office

Kangerlussuaq, Greenland

Office: KISS, room 208

Postal address: Box 12, DK-3910

Phone: +299 84 11 51

Mobile: +299 52 41 25

Iridium Phone: +8816 41400521

E-mail: fom@egrip.camp

Kangerlussuaq FOMs

Marie Kirk

J.P.Steffensen

Mikkel Lauritzen

Heather Stark