

TO EGRIP STEERING COMMITTEE MEMBERS, DANISH AND GREENLANDIC AUTHORITIES.

Expedition Permit C-23-7 EGRIP – SITUATION REPORT (SITREP) no. 11, Sunday 2 July 2023

This SITREP covers the period June 26 – July 2, 2023 (inclusive).

Movement of personnel:

- 26 June** László Palcsu (HU), Mihály Veres (HU), Marjan Temovski (MK), Elemér László (HU), Nándor Palcsu (HU), Jakob Schwander (CH), Remo Walther (CH), Nicolas Angelo Stoll (DE), Dirk Markus Mengedoht (DV-DE), Tim Papakyriakou (DV-CAN) and Maria Ulf Møller (DV-DK) from Kangerlussuaq to Copenhagen by Air Greenland.
- 27 June** Kenji Kawamura (JP), and Jørgen Peder Steffensen (DK) from Kangerlussuaq to Copenhagen by Air Greenland.

Movement of cargo:

- 26 June** Dry food and soda concentrate, 630kg, ship cargo received from Copenhagen to Kangerlussuaq by Kang Mini Market (SED00095391)
- 26 June** 360 lbs beverages and 6900L (13,300 lbs) fuel from Kangerlussuaq to EGRIP by 109th US Air National Guard.
- 26 June** 2 AF pallets and 3 sleds GreenDrill cargo (total 6800lbs) and 1 AF pallet trash (6m³) from EGRIP to Kangerlussuaq by 109th US Air National Guard.

EGRIP camp activities: Due to two failed attempts to send out the GreenDrill cargo, a third LC-130 was called in on June 26 to get the cargo out in order to meet U.S. deadlines. It was also an opportunity for EGRIP to receive some fuel to compensate for very little fuel received on the two previous flights. Pyranometers around the dome were re-installed to collect data for future solar panels. There was maintenance on vehicles, generator, snowblowers and snowmobiles. Due to warm temperatures, the windows of the dome got a wash. Several days were spent on repair of the outer rubber coating of the dome by stapling the rubber pieces back into place. An inventory of empty boxes in camp was completed. Erecting a new outhouse as an old one blew away. Keeping entrances to trenches open with snowblowers. Removed snow drifts from camp. Packing down spare bunkbeds.

Drilling: Work and repairs on ice chip melting facility. A couple of runs per day. Preparation for bedrock. Cores are examined by drillers and loggers after each run. As bedrock, and maybe basal water is near, there is special attention on movements in the fluid level of the hole. The acoustic fluid level pinger to measure fluid level was repaired. Since Thursday, the drillers are working in orange light. Sunday 2 July the drilling depth was 2650.35m (run 1141). Weekly production: 12.97 m.

Science:

Logging of ice cores, DEP measurements and studies of thin sections. Logging depth: 2663.51 m, 13.19 m logged this week. Processing depth: 2657.05 m bag 4831. Packing ice cores in boxes and weighing the boxes. As O18 data from core scrapings from previous bags arrived back from Copenhagen, it became clear that the bottom of the EGRIP contains ice from a glacial period below the Eemian ice, whether this is truly ice from the second last ice age remains to be seen. Thursday, visible particles were detected in the core, and camp switched on orange lights in the logging cabin and the drill trench to preserve the samples for

future luminescence measurements. From this point, DEP measurements on the cores and PP sampling stopped and the cores were after logging packed in black plastic and stowed into boxes.

EGRIP Camp Population: 14

Weather at EGRIP: This week, weather at EGRIP has been unstable. Monday had blue sky with SSW wind 4-18 kt and -2 C down to -12 C. Tuesday had NE winds up to 18kt and temperatures up to +1.5 C (a 2023 high). Wednesday thru Saturday were overcast with snow and winds between calm and 17kt, gusting 25 kt from Easterly directions. Sunday weather cleared up with blue sky and ground fog and temperatures between -1 C and -14 C.

Kangerlussuaq activities:

Hasty preparation for extra pick up mission of GreenDrill equipment at EGRIP. Trash transported to dump. Signing papers with 109th. Cleaning up after flight period. Supporting related projects from KU and GEUS.

Weather in Kangerlussuaq/SFJ:

Mixed weather with still low temperatures for the season. Still moderate mosquito counts. Sunday great weather resulting in increasing number of mosquitos. The spring in Kangerlussuaq has been rather cold and wet. In fact, the mosquito appearance, which usually happens around June 1st, was delayed by more than two weeks. Several lakes are overflowing, bogs are wet, the road to the ice sheet is overrun several places; and there has been very little melting of the ice sheet, which causes the water level in the Watson River to be lower than usual.

EGRIP camp communication:

Field Leader Dorthe Dahl-Jensen

E-mail	fl@egrip.camp
IP phone	+45 7734 7445
Handheld Iridium phone	+8816 414 00590
OpenPort phone	+8816 7777 2586
EGRIP web cam	http://alice.egrip.camp/

EGRIP field operations office:

Field Operations Manager (FOM) Thomas Blunier/ Jørgen Peder Steffensen

E-mail:	fom@egrip.camp
Physical address:	KISS, room 208 Kangerlussuaq, Greenland
Postal address:	EastGRIP, Box 12, DK-3910 Kangerlussuaq, Greenland
IP phone	+45 7734 7444
Mobile:	+299 52 41 25
Phone:	+299 84 11 51
Iridium Phone:	+8816 21444581 (mostly turned off)