

TO EGRIP STEERING COMMITTEE MEMBERS, DANISH AND GREENLANDIC AUTHORITIES.

Expedition Permit C-19-6 EGRIP – SITUATION REPORT (SITREP) no. 06, Sunday June 2, 2019

This SITREP covers the period May 27 – June 2, 2019 (inclusive).

Movement of personnel:

- 28.05.2019 Francois Burgay (F), Morihiro Miyahara (J) to Kangerlussuaq by Air Greenland
- 29.05.2019 Anders Svensson (DK), Chris Jacobs (UK), Søren Børsting (DK), Nicholas Rathmann (DK), Karl Emil Nielsen (DK), Margareta Hansson (S), Alexios Theofilopoulos (N), Nicholas Stoll (D), Maaïke Weedersteijn (N), Clint Conrad (N), Kate Selway (N), Silje Smith-Johnsen (N) to Kangerlussuaq by Air Greenland
- 30.05.2019 Anders Svensson (DK), Chris Jacobs (UK), Søren Børsting (DK), Nicholas Rathmann (DK), Francois Burgay (F), Morihiro Miyahara (J), Karl Emil Nielsen (DK), Margareta Hansson (S), Alexios Theofilopoulos (N), Nicholas Stoll (D), Maaïke Weedersteijn (N), Clint Conrad (N), Kate Selway (N), Silje Smith-Johnsen (N), from SFJ to EGRIP by 109th
- 30.05.2019 Nicolai Jørgensen (DK), Dominic Matte (DK), Trevor Popp (DK/US), Jens Christian Hillerup (DK), Sverrir Æ. Hilmarsson (IS), Angelika Humbert (D), Johannes Freitag (D), Iben Koldtoft (DK), Ole Zeising (D) from EGRIP to SFJ by 109th.
- 31.05.2019 Thomas Blunier (DK), Angelika Humbert (D), Johannes Freitag (D), Ole Zeising (D) from SFJ to CPH by Air Greenland
- 31.05.2019 Sune Olander Rasmussen (DK) from Ilulissat to SFJ by Air Greenland
- 01.06.2019 Nicolai Jørgensen (DK), Dominic Matte (DK), Trevor Popp (DK/US), Sverrir Æ. Hilmarsson (IS), Iben Koldtoft (DK), from SFJ to CPH by Air Greenland

Movement of cargo:

- 29.05.2019 (AWB 631-27578261) CPH to SFJ, 36 kg filter for the drill
- 30.05.2019 SFJ to EGRIP by 109th, 10000 lbs PAX and Cargo for Magpie
- 30.05.2019 EGRIP to SFJ by 109th, ~7000 lbs freezer machines and trash

EGRIP camp activities:

The skiway, taxiways and apron have been groomed. Markers have been repaired and after the flight on Thursday, the skiway was certified to bad weather approach. The load capacity of the skiway was upgraded. EGRIP has been handling four Polar 5 operations and one LC-130 mission. The AWI Polar 5 operations ended Wednesday and Thursday Polar 5 returned to Europe. Work on increasing ceiling height in tunnel to drill trench and in science trench continues.

There has been routine maintenance on main generator, Two Pistenbullys have been repaired for leaks in the cooling system, snow mobiles serviced and one Yanmar snow blower repaired. LED lights have been mounted in the garages as well as more lights in the trenches.

Drilling:

In the beginning of the week, drilling was hampered by metal pieces in the bore hole. By Tuesday this problem was solved, and the rest of the week drillers focused on optimizing drill routine and settings and introducing new drillers to the work. Two-shift drilling is beginning tomorrow.

A planned AWI shallow core from 100 km upstream was abandoned due to crevasses in the area.

Science:

The logging system is working fine and the team has logged from depth 1783.6 m to 1830.3 m. Weekly production: 47.00 m ice core.

The water vapour sampling drone is ready; but the final permission to operate at altitude is still pending. Drone test flights have been limited to max. 100 m altitude.

Isotope CFA is in production mode. They have analyzed from bag 2617 to bag 2808 (105.5 m measured) A test wind turbine has been mounted and is now running.

The PROMICE weather station has been raised, data has been downloaded and sensors upgraded.

The water vapour sampling and measurement station has been active all week. A network of snow accumulation stakes has been remeasured.

The MAGPIE project have made their first measurements in the vicinity of EGRIP.

EGRIP Camp Population: 28

Weather at EGRIP: Mostly fine clear and cold, except for Monday and Tuesday with overcast and light snow. Temperatures -8 C to -26 C. winds: 2 m/s to 6 m/s from WNW to WSW.

Kangerlussuaq activities:

The week has been characterized by the usual tasks of a flight period: Receiving cargo and preparing pallet for flight to EGRIP May 30, obtaining misc. orders for camp, and receiving and saying goodbye to team members travelling to and from camp. On May 31, Thomas Blunier returned to CPH and was replaced by Sune O. Rasmussen as Field Operations Manager.

Weather in Kangerlussuaq/SFJ: Nice weather with temperatures up to 20°C. Mosquito density high and increasing.

The EGRIP camp:

EastGRIP camp

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The EGRIP FOM office:

EastGRIP field operations office

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Prepared by Kangerlussuaq Field Operation Managers Thomas Blunier, Niels Hvidberg, and Sune Olander Rasmussen and the EGRIP field leader J.P. Steffensen