

TO EGRIP STEERING COMMITTEE MEMBERS, DANISH AND GREENLANDIC AUTHORITIES.

Expedition Permit C-19-6 EGRIP – SITUATION REPORT (SITREP) no. 07, Sunday June 9, 2019

This SITREP covers the period June 3 – 9, 2019 (inclusive).

Movement of personnel:

- 03.06.2019 Lucas Borges da Silva (CH) and Anne-Katrine Faber (N) from CPH to SFJ by Air Greenland
- 04.06.2019 Lucas Borges da Silva (CH), Anne-Katrine Faber (N), and Niels Hvidberg (DK) from SFJ to EastGRIP by 109th.
- 04.06.2019 Jørgen Peder Steffensen (DK), Steffen Bo Hansen (DK), Bruce Vaughn (US), Bruno Stocker (CH), Sepp Kipfstuhl (D), Hans Christian Steen-Larsen (N), and Niels Hvidberg (DK) from EGRIP to SFJ by 109th.
- 05.06.2019 Jørgen Peder Steffensen (DK), Steffen Bo Hansen (DK), and Hans Christian Steen-Larsen (N) from SFJ to CPH by Air Greenland.
- 06.06.2019 Bruno Stocker (CH) and Niels Hvidberg (DK) from SFJ to CPH by Air Greenland.
- 06.06.2019 Bruce Vaughn (US) from SFJ to New York by 109th.
- 07.06.2019 Sepp Kipfstuhl (D) from SFJ to CPH by Air Greenland.

Movement of cargo:

- 03.06.2019 AWB 631-27554671 and 631-27553260 from CPH to SFJ, 149+595 kg of frozen/cooled food.
- 03.06.2019 AWB 631-27570535 from CPH to SFJ, 40 kg of electrical equipment (Karl-Emil Nielsen).
- 04.06.2019 From SFJ to EGRIP by 109th, 6030 lbs of PAX, luggage, equipment, food, and beer. 3900 L / 7500 lbs of fuel delivered to camp.
- 04.06.2019 From EGRIP to SFJ by 109th, 2100 lbs of PAX and luggage.
- 06.06.2019 AWB 631-27598712 from Cardiff (UK) to SFJ, 22 kg equipment (Liz Bagshaw)

EGRIP camp activities:

There has been maintenance of skidoos, Pistenbully crane and tiller. The skiway and apron are in very good conditions, only limited grooming has been made, and a LC-130 mission on June 4th went smooth. The skiway was upgraded to a landing weight of 135 klbs. 8 JATO bottles and ignitors were swapped on the June 4th flight.

Drilling:

On Monday 3rd at noon a core barrel was lost in the drill hole during descend. Various attempts of catching the barrel succeeded Tuesday evening in a 6h operation where the barrel was slowly pulled to surface. The drill team has set up a schedule with 16h drilling a day and approx. 4h filtering during night. During the first days of drilling, the drillers were struggling with many fine chips in the hole and penetration at about half speed of normal. The problem was identified to a communication issue where rotation of the anti-torque section was not reported systematically. After sharpening and adjustment of the skates, drilling speed is now back to normal. Much of the weekend was spent filtering the hole and we should now be ready for normal production.

Science:

Due to the lost core barrel, slow penetration, and exchange of crew, the weekly production is limited to 42.7 m. Ice from depth 1830.3 m to 1873.0 m has been logged. The water vapour sampling drone has had several successful sampling flights below 100 m altitude and the permission to operate at altitude is valid as of June 12th. Isotope CFA is in production mode and has analyzed from bag 2808 to bag 2997 (103.95 m measured). The water vapour sampling and measurement station has been active all week. A network of snow accumulation stakes has been remeasured. Instrumentation has been set up in the Physical Properties lab in Science trench. The AWI C-fabric analyzer is currently not working properly. The MAGPIE project has had three successful 100 km deployments to the NW, SW, and SE of EGRIP. Measurement stations have been set up in those direction at 50 km and 100 km distance from EGRIP. Another station was set up 50 km W of EGRIP. One more station will be set up 50 km downstream NE of camp.

EGRIP Camp Population: 24

Weather at EGRIP: Mostly fine with blue sky. Very little snowfall and snow drift. Overcast Tuesday and Saturday. Temperatures have been rising the last days. Temperatures -4 C to -24 C. winds: 1 m/s to 8 m/s mostly from W and SW.

Kangerlussuaq activities:

The flight period was concluded with the 2nd flight to EGRIP on June 4th involving the usual dealings with cargo and personnel. The mission was successful despite initial marginal weather in camp.

Weather in Kangerlussuaq/SFJ:

Mostly nice weather with temperatures up to 20°C. Mosquito density medium/high and stable.

The EGRIP camp:

EastGRIP camp

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The EGRIP FOM office:

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