

TO EGRIP STEERING COMMITTEE MEMBERS, DANISH AND GREENLANDIC AUTHORITIES.

Expedition Permit C-18-5 EGRIP – SITUATION REPORT (SITREP) no.05, Sunday 27. May 2018

This SITREP covers the period May 21 – May 27, 2018 (inclusive).

Movement of personnel:

- 21. May** Shimeng Wang (CHN), Nicolas Rathmann (DK), Hamid Mojtabavi (D), Tobias Erhardt (CH), Zhiheng Du (CHN), Jan Eichler (D) from Copenhagen (CPH) to Kangerlussuaq (SFJ) by Air Greenland
- 22. May** Damiano della Lunga (I), Shimeng Wang (CHN), Nicolas Rathmann (DK), Hamid Mojtabavi (D), Tobias Erhardt (CH), Zhiheng Du (CHN), Jan Eichler (D), Flemming Olav Bisgaard (DK, AirGreenland), Tina Bang-Christensen (DK) from Kangerlussuaq (SFJ) to EGRIP by 109th
- 22. May** Basile de Fleurian (N), Thomas Hedegaard (DK), Jens Christian Hillerup (DK), Sverrir Æ. Hilmarsson (IS), Flemming Olav Bisgaard (DK), Tina Bang-Christensen (DK) from EGRIP (SFJ) to Kangerlussuaq (SFJ) by 109th
- 22. May** Bill Houghton (CAN), George Barrett (CA), Erik Prager (CAN) from Kangerlussuaq to Calgary (CAL) by Basler
- 23. May** Benjamin Harting (D) from Copenhagen (CPH) to Kangerlussuaq (SFJ) by Air Greenland
- 23. May** Basile de Fleurian (N), Thomas Hedegaard (DK), Jens Christian Hillerup (DK) from Kangerlussuaq (SFJ) to Copenhagen (CPH) by Air Greenland
- 24. May** Sverrir Æ. Hilmarsson (IS) from Kangerlussuaq (SFJ) to Copenhagen (CPH) by Air Greenland
- 25. May** Lucas Kandora (D), Benjamin Harting (D) from Kangerlussuaq (SFJ) to Copenhagen (CPH) by Air Greenland

Movement of cargo:

- 22. May SFJ to EastGRIP by 109th** / 3,558kg Cargo / 3xAF pallet + loose load (drill equipment), Food, new kitchen, Snowmobile #4, Green Balloon/ 3,600 liter fuel.
- 22. May EastGRIP to SFJ by 109th** One overhang pallet with wind sled, One pallet with radar equipment
Total 2,380 kg.

EGRIP camp activities:

Camp received an LC-130 flight on Tuesday bringing in the last persons for a full complement of drillers and ice core processors. Prior to the flight, the skiway was groomed, which allowed for larger cargo capacity. Cargo was unpacked and distributed and the cargo line cleaned up. Tuesday and Wednesday camp hosted a Twin Otter from the PARCA project (Steffen group). They maintained several automatic weather stations on the NE-Greenland ice sheet. Snow blocks have been removed from the ceiling of the entrance tunnel for greater height. Snow drifts have been removed from ramps and entrances. Four Nansen sleds have been repaired. Two snow mobiles are under repair. Excavation for large balloon cave has begun. The issues with unstable internet connection of the previous weeks have been solved, and camp has now a very reliable connection, allowing for IP-telephony (see number below).

Drilling:

The drillers have completed the cable pre-tensioning process and have made the final modifications to the drill trench. It was made wider to accommodate a long table for the long version of the drill. The long drill was mounted and all systems are working. The drill tower has been repositioned. At the end of the week, several test runs were made with good results. The core extraction table in the logger cabin has been aligned, and the drill team is ready for routine drilling.

Science:

A plan for the work flow in the science trench has been made and Tuesday, people were introduced to the work in the science trench. All work stations were made ready. Ice core processing began on Thursday at bag 641 (352m) and by Sunday evening processing had reached bag 781 (429.55m), giving a total of 77.55 m processed this week. The setup of physical properties and isotope laboratories were completed mid-week, and both laboratories are now in production. On the surface, a few test drone flights for sampling water vapour were conducted. Throughout the week, there has been surface snow sampling and water vapour sampling.

EGRIP Camp Population: 26 (32 during PARCA stay)

EGRIP (IP) telephone numbers:

+45 7734 7444 ext. 401 (field leader) ext. 402 (common room).

EGRIP iridium numbers:

Primary no.: +8816 7776 2837	Iridium Open port, field leader
Secondary no.: +8816 7776 2838	Common phone, main dome
Third no.: +8816 7776 2839	Handheld satellite phone

Link to webcam and weather station: <http://alice.egrip.camp/>

Weather at EGRIP:

Most of the week, fine with varying thin cloud cover Saturday and Sunday. Saturday and Sunday were windy with snow drift. Temperatures from -14 C to -31 C and winds from calm to 11 m/s, mainly from S, SW and W.

Kangerlussuaq activities:

Building pallets for the May 22nd flight. Received cargo on the retro flight on May 22nd from EGRIP. Supported the Basler team on dismantling their equipment. Wind sled pallet parked at our warehouse.

Weather in Kangerlussuaq/SFJ:

The weather has been variable with some warm days with blue sky but also cold and grey days with wind and light snowfall. Winds between 2 m/s and 8 m/s. Temperatures between -3C to 12C.

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
E-mail: fom@egrip.camp

Kangerlussuaq FOM
Thomas Blunier, Tina Bang Christensen

Field Leader EGRIP
Jørgen Peder Steffensen