

TO EGRIP STEERING COMMITTEE MEMBERS, DANISH AND GREENLANDIC AUTHORITIES.

Expedition Permit C-19-5 EGRIP – SITUATION REPORT (SITREP) no.05, Sunday 26 May 2019

This SITREP covers the period May 20 – May 26, 2019 (inclusive).

Movement of personnel:

- 20.05.2019** Lydia Helms (GRL) to Kangerlussuaq by Air Greenland
- 21.05.2019** Matthias Hüther (D), Giulia Sinnl (DK/I) to Kangerlussuaq by Air Greenland
- 22.05.2019** Kevin Rozmiarek (US) to Kangerlussuaq (SFJ) by 109th
- 23.05.2019** Dorthe Dahl-Jensen (DK/CAN), Frederik Bugge Nielsen (DK), Hans Chr.Florian (GRL), Maria Hörhold (D) EGRIP to Kangerlussuaq by Basler
- 23.05.2019** Dorthe Dahl-Jensen (DK/CAN), Frederik Bugge Nielsen (DK), SFJ to CPH by Air Greenland
- 24.05.2019** Lydia Helms (GRL), Matthias Hüther (D), Giulia Sinnl (DK/I) Kevin Rozmiarek (US) Kangerlussuaq to EGRIP by Basler
- 24.05.2019** Hans Chr.Florian (GRL), Maria Hörhold (D) SFJ to CPH by Air Greenland

Movement of cargo:

- 21.05.2019 (AWB 631-2756 8704) CPH to SFJ, 85 kg CIC scientific cargo (ceiling lights)
- 21.05.2019 (AWB 631-2757 6581) CPH to SFJ, 110 kg NIPR scientific cargo
- 21.05.2019 (AWB 631-2755 3256) CPH to SFJ, 317 kg fresh food
- 21.05.2019 (AWB 631-2757 6533) CPH to SFJ, 1273.5 kg scientific cargo, collection various senders (University of Adelaide, Numeric Resources, Adolf-Schmidt Observatorium für Geomagnetismus, Fjeld & Fritid, Batteribyen)

- 23.05.2019 EGRIP to SFJ by Basler, AWI ice cores in AWI boxes
- 24.05.2019 SFJ to EGRIP by Basler, 3200 lbs of scientific cargo to EGRIP

EGRIP camp activities:

Grooming skiway taxi ways and apron. Made load pad for LC-130 with snow blower and dozer. Made experimental 5.5 m deep hole and backfilled with snow blower snow. Performed routine maintenance on vehicles and generator. Handled and fueled PARCA team Twin Otter four times. Handled and fueled Polar 5 six times. Installed fume hood in kitchen of main dome. Removing snow blocks from caves. Work on electrical installations and installing extra lamps. Repairing doors and shelves.

Drilling:

The first 3.49 m deep ice core was drilled Thursday. Two short cores were produced Friday, and issues with penetration and damaged cutters continued until Sunday evening when a lost screw and washer were retrieved. Borehole should now be clean. Logged depth: From 1767.57m (2018 end depth) to 1783.6 m

Science:

Bore hole logging of NEEM bore hole successfully completed.

Isotope CFA laboratory measured deep core from 1105.5 m to 1141.25 m (end brittle zone) and from 1408.00 m to 1439.3 m.

P-RES radar survey conducted at: Point 15 km NNE of EGRIP, point 20 km NNE of EGRIP, point 20 km SSW of EGRIP, point 30 km NW of EGRIP (old RADIX site), point upstream of EGRIP and in vicinity of EGRIP.

Atmospheric water vapour sampling site fully operational.

CT-scans of surface snow cores conducted on several cores.

Work on LISA box.

Work on water vapour sampling drone in progress.

Setting up test wind turbine.

EGRIP Camp Population: 26

Weather at EGRIP: Mostly fine. Temperatures between -8 °C and -23 °C with wind at 3 m/s to 7 m/s mainly from WSW.

Kangerlussuaq activities:

Receiving various cargo. Preparing load for Basler flight. Obtaining small orders for camp. Receiving PAX.

Airport is tightening security with unknown consequences for our operations.

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

The EGRIP FOM office:

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