

## TO EGRIP STEERING COMMITTEE MEMBERS, DANISH AND GREENLANDIC AUTHORITIES.

### Expedition Permit C-22-5 EGRIP – SITuation REPort (SITREP) no.14, Sunday 24 July 2022

This SITREP covers the period July 18 – July 24, 2022 (inclusive).

#### Movement of personnel:

- 20.07.2022 Sverrir Hilmarsson (IS), Caroline Hornnes (DK), Nicolas Stoll (DE), Frederik Bugge Nielsen (DK), Steffen Bo Hansen (DK), Johannes Lohmann (DK/DE), Arbogast, Albert (DE), Martin Leonhardt (DE), Coen Hofstede (DE/NL), Andreas Fichtner (CH/DE), Barbara Seth (CH/DE) and Iben Koldtoft (DK) from Kangerlussuaq to EGRIP by 109th.
- 20.07.2022 Jens-Jacob Herjulf Simonsen (DK/GL), Henrik Park Preisler (DK), Romain Duphil (FR), Claus Birger Sørensen (DK), Nicholas Rathmann (DK), James Veale (UK), Daniela Jansen (DE), Laura Dietrich (NO/DE), Ole Zeising (DE), Michael Döring (DK/DE), Aslak Grinsted (DK), Johannes Freitag (DE), Josef Richard Kipfstuhl (DK/DE), Tamara Gerber (DK/CH), David Lilien (CAN/US), Daniel Steinhage (DE), Chloe Bashear (US), Valerie Morris (US), Kevin Rosmiarek (US) from EGRIP to Kangerlussuaq by 109th.
- 20.07.2022 Antje Boetius (DE, AWI-DV), Philip Griess (DE, D-press), Lukas Lukincic (DE, D-press), Jakob F. Christensen (DK, DK-press), Hjalte D. Jørgensen (DK, DK-press) and Rasmus Arildsen (DK, DK-press) from Copenhagen to Kangerlussuaq by Air Greenland.
- 21.07.2022 Jens-Jacob Herjulf Simonsen (DK/GL), Henrik Park Preisler (DK), Romain Duphil (FR), Claus Birger Sørensen (DK), Nicholas Rathmann (DK), James Veale (UK), Daniela Jansen (DE), Laura Dietrich (NO/DE), Ole Zeising (DE), Michael Döring (DK/DE), Aslak Grinsted (DK), Johannes Freitag (DE), Tamara Gerber (DK/CH), David Lilien (CAN/US) and Daniel Steinhage (DE) from Kangerlussuaq to Copenhagen by Air Greenland.
- 21.07.2022 Chloe Bashear (US), Valerie Morris (US) and Kevin Rosmiarek (US) from Kangerlussuaq to Schenectady by 109th.
- 23.07.2022 Antje Boetius (DE, AWI-DV), Philip Griess (DE, D-press), Lukas Lukincic (DE, D-press), Jakob F. Christensen (DK, DK-press), Hjalte D. Jørgensen (DK, DK-press), Rasmus Arildsen (DK, DK-press) and Mikkel Langgaard Lauritzen (DK) from Kangerlussuaq to EGRIP by 109th.
- 23.07.2022 Anders Svensson (DK), Jeppe Kromann Laursen (DK), Chris Jacobs (UK), Steffen Bo Hansen (DK) and Thomas Fløisdorf (DK) from EGRIP to Kangerlussuaq by 109<sup>th</sup>
- 23.07.2022 David Binne (CAN), Gao Zhiyuan (CAN) and Lukasz Warzecha (SE, PL/UK-press) to Kangerlussuaq from Copenhagen by Air Greenland.
- 24.07.2022 Anders Svensson (DK) from Kangerlussuaq to Copenhagen by Air Greenland.
- 24.07.2022 Sonja Wahl (DE), Florian Painer (DE/AT) and Niels Hvidberg (DK) from Copenhagen to Kangerlussuaq by Air Greenland.

#### Movement of cargo:

- 20.07.2022 4673 liter + 2590 liter fuel, 1100 kg food and drill equipment, 940 kg DAS equipment and PB parts, 2820 kg PB tracks, 1450 kg PB blade and hydraulics, 5660 kg PB 300 polar body and 1200 kg frozen food from Kangerlussuaq to EGRIP by 109th.
- 20.07.2022 4770 kg TUNU ice, 4730 kg TUNU equipment, 1450 kg drone equipment and 1365 kg AWI equipment from EGRIP to Kangerlussuaq by 109th.
- 21.07.2022 (AWB 63198674623) GOH to SFJ, 98 kg, (2x 30L Qajak kegs+ 6x Handgel).
- 21.07.2022 (AWB 63128049324) Skjern to SFJ, 60 kg, Vacuum-pump for FED + ass. (Solus).

21.07.2022 (F22741747) CPH to SFJ, 3 kg, Saw Blades for Makita saws (Carl Ras).  
22.07.2022 (AWB 63128047552) CPH to SFJ, 5 kg, Amaelle's sample box (FR).  
23.07.2022 6100 liter fuel, 1341 kg PB cabin and 1130 kg science equipment from Kangerlussuaq to EGRIP by 109th.  
23.07.2022 4100 kg Toyota Hilux (TUNU) and 3740 kg AWI and EGRIP ice cores from EGRIP to Kangerlussuaq by 109th.

#### **EGRIP camp activities:**

Again this week, rising temperatures, snowfall and snowdrift have dictated several camp activities. Flights planned on 18<sup>th</sup> July and 19<sup>th</sup> July had to be moved to 20<sup>th</sup> July. A new entrance to underground caves was completed. During the week, three aircraft was received this week, where two arrived the same day to take advantage of a window in the weather. A new Pistenbully was delivered and the Pistenbully mechanic assisted camp staff to assemble the machine. Due to the weather, the skiway was groomed several times. The entire skipment of US ice (McConnell, TUNU project) was taken out of caves and built into three pallets. They were shipped out on July 20. In the three flights of this week, EGRIP ice and cargo amounted to three pallets, one pallet was Colorado Drone equipment and ten pallets (positions) was McConnell TUNU project. Camp received the first of two visits by DV and press.

#### **Drilling:**

This week drilling has continued with production of about 15 m per day. In the middle of the week, production was reduced due to filter runs, mounting of pump, crew exchange and handling ice shipments. Due to the hard core breaks, the drill and winch were stress tested to 2.5 tons.

Total production this week: from 2162.80m to 2240.58m: 77.78 m

#### **Science:**

In the science trench, processing of the deep ice core began this week. Apart from logging, processing involves DEP measurement, two cuts in horizontal saw, ECM measurement, line scanning, physical properties examination and packing the cores. The first deep core processed was bag 3857. Last processed core on Sunday was bag 3895. Length: 20.90 m.

NAAZ II ash layer (55,000 years ago) was found at 2211.83 m depth.

The line scanner had a few software issues; but they were fixed.

The radar, drone, rover and GPS programs are finalized, the equipment palletized and most shipped out.

On the surface, the AWI DAS seismic program began with the setup of seismic cables and geophones.

#### **EGRIP Camp Population: 23**

#### **Weather at EGRIP:**

Weather at EGRIP this week continued to be unusual with overcast, wind from the North, warm temperatures and poor for flying. Very few short spells of sunshine. Wind speeds between calm and 14 knots and temperatures between -13°C and 0°C.

#### **Kangerlussuaq activities:**

This week, EGRIP has experienced a very large crew exchange with 43 people changing places between Kangerlussuaq and EGRIP on three flights. This required a lot of administration of rooms, services to arriving and departing people and cargo handling. The FOM office handled two main cargo objectives:

Sending to EGRIP a new Pistenbully in sections and receiving all ice and project cargo from the McConnell TUNU project as well as EGRIP ice, AWI ice and science equipment. The effectiveness of the FOM office was somewhat hindered by the fact that one FOM and one assistant went into COVID quarantine on 16<sup>th</sup> and 17<sup>th</sup> July.

**Weather in Kangerlussuaq/SFJ:**

Dry and mostly sunny with temperatures between +8°C and +22°C. Still a lot of mosquitos.

**The EGRIP FOM office:**

EastGRIP field operations office

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Kangerlussuaq FOMs

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