

TO EGRIP STEERING COMMITTEE MEMBERS, DANISH AND GREENLANDIC AUTHORITIES.

Expedition Permit C-22-5 EGRIP – SITuation REPort (SITREP) no.07, Sunday 05 June 2022

This SITREP covers the period May 30 – June 05, 2022 (inclusive).

Movement of personnel:

30.05.2022 Kevin Riehl (CA, AWI KBA crew) from Kangerlussuaq to Copenhagen by Air Greenland.
30.05.2022 Alan Gilbertson (CA, AWI KBA crew), Victoria Grahm (CA, AWI KBA crew) from Kangerlussuaq to EGRIP by Polar 5 Basler (C-GAWI).
30.05.2022 Charlotte Runge (DK), Kerim Nisancioglu (N), Alan Gilbertson (CA, AWI KBA crew), Victoria Grahm (CA, AWI KBA crew) from EGRIP to Nuuk by Polar 5 Basler (C-GAWI).
31.05.2022 Charlotte Runge (DK), Alan Gilbertson (CA, AWI KBA crew), Victoria Grahm (CA, AWI KBA crew) from Nuuk to Kangerlussuaq by Polar 5 Basler (C-GAWI).
02.06.2022 Clemens Gollin (DE), Charlotte Runge (DK), Alan Gilbertson (CA, AWI KBA crew), Victoria Grahm (CA, AWI KBA crew), Lucius Cirtwill (CA, AWI KBA crew) from Kangerlussuaq to EGRIP by Polar 5 Basler (C-GAWI).
02.06.2022 Chloe Bashear (US) from New York to Kangerlussuaq by the 109th.
02.06.2022 Bruce Vaughn (US) from Kangerlussuaq to Nuuk by Air Greenland.
03.06.2022 Julien Westhoff (DK/DE), Thomas Matthias Hedegaard (DK), Jens Christian Hillerup (DK), Aslak Grinsted (DK) from Copenhagen to Kangerlussuaq by Air Greenland.

Movement of cargo:

30.05.2022 From SFJ to EGRIP by Basler, 2 kg pistenbully replacement parts and mail.
31.05.2022 From EGRIP to SFJ via Nuuk, 2 oxygen bottles and synthetic compressed air.
01.06.2022 (AWB 631-27994794) CPH to SFJ by Blue Water, 36 kg scientific equipment (3 colli).
02.06.2022 From SFJ to EGRIP by Basler: ~10 kgs ice axe, alcogel, hospital alcohol, 2 oxygen bottles (1 EGRIP property, 1 on loan from SFJ nurse clinic).
03.06.2022 (AWB 631-27974590) CPH to SFJ by Air Greenland, 912 kg refrigerated and dry food
03.06.2022 (AWB 631-27974601) CPH to SFJ by Air Greenland, 261 kg of frozen food.
03.06.2022 From Schenectady, NY to SFJ by the 109th: Hydrochloric acid and Weatherport glue.

EGRIP camp activities:

On Monday our Norwegian visitors left early in the morning, catching good winds for their kites. The condition of a person in camp, who had been feeling unwell for some days, was worsening Monday morning. It was decided to arrange a medical evacuation using the AWI Polar 5 Basler, located in Kangerlussuaq. The person and camp doctor were picked up by the Basler, and at 1700L they were flown to Nuuk. The evacuation went well, and the person is recovering.

We lifted the Carpenter's garages up from its 5 m deep hole to the surface. The hole was back-filled, and a new berm made, and the garage was placed on top. Shelves were re-installed and items placed back in good order. We also made the first tube cast for a power line to carpenter's garage. On Tuesday came the first bad weather day this season, and snowfall and winds hampered outside work. The skiway had large drifts our ramp entrances to the storage cave and to cook's freezer were completely filled up and had to be re-opened when the weather improved Wednesday. We groomed the skiway ahead of the AWI Basler arrival. On Thursday, the AWI Basler arrived amid blustery conditions. It is configured with sophisticated

radar for mapping the interior of the ice sheet and the base under the ice. The Basler will be here for about three weeks and has flown its first mission. Charlotte, our doctor, returned back to camp with the plane. We are now 22 persons in camp. Midweek, we started to open and inspect the inclined ramp to drill trench. Following inspection, we found it is necessary to make an entirely new ramp tunnel with a width and height of 3 m. This will allow for passage of one of our big sleds when we later will need to remove snow block from the trenches. Other tasks during the week included a fuel transfer between tanks, while the third fuel tank was excavated. We continued to pull cables from the science trench to dome through a new duct and work on electrical cables in camp. Pistenbully no. 2 was repaired and is now running again. We set up servers for the radar campaign, and made ready the main power lines to drill trench. On Friday, the polar bear radar was installed and is now operational. During all this, Kevin C. in the kitchen has taken good care of us with a wide selection of cooked food, fruit and bread. Saturday morning, EGRIP was hit by bad weather. High winds, snow, heavy snow drift and 50 m visibility made outdoor activities almost impossible, some science was possible in the cabins and tents; but the crews had to maintain radio contact with the dome. Regular head counts were necessary to ensure everybody was safe. The bad weather lasted until Sunday evening. We will now spend Monday to groom the skiway and clean up in camp. The LC-130 flight scheduled for Monday has been postponed to Tuesday.

Drilling:

No drilling is scheduled before late June.

Science:

Throughout the week, the Megapit team continued studies, and the project reached a milestone as one pit was completed, and the team began working on the second and last one. Progress was slightly hampered by the blizzard. On Friday, sampling of the second Megapit started. A laboratory was also installed for the drone team. On Friday, the AWI Polar 5 made its first successful radar survey and the drone team launched the drone. There are still some parameters have to be fine-tuned, as the drone made a controlled landing after only 500 m.

EGRIP Camp Population: 22**Weather at EGRIP:**

On Monday weather started to turn overcast with Temperatures -14°C to -11°C. Wind: 9 kt from WSW, changing to calm and visibility down to ½ km. These conditions persisted into Tuesday, and there came snow and snow drift. Temperatures ranged -10°C to -6°C, and wind picked up to 23 kt from SE, which reduced visibility down to 500 m. Conditions improved Wednesday with blue sky and unrestricted visibility and 4-10 kt winds again from WSW. Temp. -20°C to -15°C. Blue skies remained into Thursday and Friday, with colder temperatures -26°C to -10°C and wind 11-16 kt from the W and SW. Saturday and Sunday, was dominated by 21 – 37 kt winds from NW – NNE, later NNW with continuous snow fall, drifting snow and visibility down to 50 m.

Kangerlussuaq activities:

On Monday, the FOM office liaised with the Field Leader and the KBA Basler team to schedule a medevac from EGRIP to Nuuk (departing around midday), for a participant experiencing both altitude and chest complications. It was agreed by the camp doctor (Charlotte Runge), that Dronning Ingrid's Hospital in Nuuk was the best option for patient care. The Basler team returned to Kangerlussuaq with the doctor on Tuesday. The AWI Polar 5 team received their expedition permit Tuesday, so the airborne radar campaign

can begin. The Basler departed just before 10 am on Thursday morning for EGRIP. The FOM office continued to work on three pallets for the next Hercules flight, received cargo from Blue Water, and established an overview of the upcoming flight period, post-handover with the previous FOM (Iben). Late on Thursday, the 109th returned to town and we received our first guest, Chloe Bashear from the US, who is part of the Boulder team. The following morning (Friday), we received four additional team members from Copenhagen. On Friday morning, the FOMs had a friendly and productive meeting with the incoming team from the 109th to talk through flight period 2 plans. From Friday to Sunday, FOMs entered cargo information in the database, and got the manifests ready. On Friday 3rd, a delivery of refrigerated, dry and frozen foods (1173 kg) was collected from Air Greenland Cargo office, and unpacked in the warehouse. A chest fridge was required for the chilled foods, and we were able to source one from the KISS manager at short notice. On Saturday, we received word from EGRIP that Saturday's storm has ruled out the possibility of a scheduled flight on Monday 6th and we moved our plans one day. On the weekend, the pallets were finalised, and IT/communications equipment was checked, updated and prepared for the 2022 season by JC and Aslak.

Weather in Kangerlussuaq/SFJ:

Weather has been consistently sunny with few clouds and blue skies all week, with some gentle winds. Daily temperatures have ranged from 1 to 12°C early in the week, and rose to 2 to 17°C in the weekend. With the rising temperatures came the first mosquitos of the season on Friday.

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
Iridium Phone: +8816 41400521
E-mail: fom@egrip.camp

Kangerlussuaq FOMs
Sune Olander Rasmussen
Eliza Cook
Helene Persson