

TO EGRIP STEERING COMMITTEE MEMBERS, DANISH AND GREENLANDIC AUTHORITIES.

Expedition Permit C-22-5 EGRIP – SITuation REPort (SITREP) no.09, Sunday 19 June 2022

This SITREP covers the period June 13 – June 19, 2022 (inclusive).

Movement of personnel:

- 13.06.2022 Romain Duphil (F), Jens-Jacob Herjulf Simonsen (DK/GL), Niels Fabrin Nymand (DK), Jeppe Kromann Laursen (DK), Henrik Park Preisler (DK), Grant Vernon Boeckmann (DK/US), Nicholas Mossor Rathmann (DK), Michael Döring (DK/DE), David Lilien (CA/US), Tamara Annina Gerber (DK/CH), Claus Birger Sørensen (DK), James Veale (UK), Laura Dietrich (N/DE), Johannes Freitag (DE), Daniel Steinhage (DE), Ole Zeising (DE), Austin Rivera (US, 109th) and Wes Fool (US, 109th) from SFJ to EGRIP by 109th.
- 13.06.2022 Helene Pehrsson (DK) from Kangerlussuaq to Copenhagen by Air Greenland.
- 13.06.2022 Jørgen Peder Steffensen (DK), Sverrir Æ. Hilmarsson (IS), Jens Christian Hillerup (DK), Kevin Christensen (DK), Chantal Zeppenfeld (CH/AT), John Drysdale Paden (DE/US), Hayley Bennett (US) and Michael Town (N/US) from EGRIP to SFJ by 109th.
- 14.06.2022 Eirini Malegiannaki (DK/GR) from Copenhagen to Kangerlussuaq by Air Greenland.
- 14.06.2022 Jens Christian Hillerup (DK) and Kevin Christensen (DK) from Kangerlussuaq to Copenhagen by Air Greenland.
- 14.06.2022 Austin Rivera (US, 109th) and Wes Fool (US, 109th) EGRIP to SFJ by 109th.
- 15.06.2022 Eirini Malegiannaki (DK/GR) from SFJ to EGRIP by 109th.
- 15.06.2022 Sverrir Æ. Hilmarsson (IS) from Kangerlussuaq to Copenhagen by Air Greenland.
- 15.06.2022 Eirini Malegiannaki (DK/GR) from EGRIP to SFJ by 109th.
- 16.06.2022 Dorte Dahl-Jensen (DK) from SFJ to EGRIP by 109th.
- 16.06.2022 Thomas Blunier (DK/CH) from Copenhagen to Kangerlussuaq by Air Greenland.
- 16.06.2022 Jørgen Peder Steffensen (DK), Chantal Zeppenfeld (CH/AT), Eliza Cook (DK/UK) and Sune Olander Rasmussen (DK) from Kangerlussuaq to Copenhagen by Air Greenland.
- 16.06.2022 Thomas Matthias Hedegaard (DK) from EGRIP to SFJ by 109th.
- 17.06.2022 Thomas Matthias Hedegaard (DK) from Kangerlussuaq to Copenhagen by Air Greenland.
- 17.06.2022 Clemens Gollin (DE), Alan Gilbertson (CA, AWI KBA crew), Victoria Grahn (CA, AWI KBA crew) and Lucius Cirtwill (CA, AWI KBA crew) from EGRIP to Kangerlussuaq by Polar 5 Basler (C-GAWI).
- 19.06.2022 Hayley Bennett (US) from SFJ to NY by 109th.

Movement of cargo:

- 13.06.2022 From SFJ to EGRIP by 109th, 11,676 lbs of PAX, luggage, science equipment and food. 3310 L of fuel delivered to camp.
- 13.06.2022 From EGRIP to SFJ by 109th, estimated 5,100 lbs of PAX, luggage, logistical equipment and trash.
- 14.06.2022 From SFJ to EGRIP by 109th, 14,080 lbs of drill liquid as airdrop. 849 L of fuel delivered to camp.
- 15.06.2022 From SFJ to EGRIP by 109th, 959 lbs of PAX, science and drill equipment. 11,609 L of fuel delivered to camp.
- 15.06.2022 From EGRIP to SFJ by 109th, 300 lbs of PAX.

15.06.2022 From Bremerhaven to SFJ by Royal Arctic Line one 20" ship container for AWI/Polar 5.
 16.06.2022 (DKAAL0398693) CPH to SFJ by Blue Water with ship, 1500 kg of dry food (3 colli).
 16.06.2022 (DKAAL0011253) CPH to SFJ by Blue Water with ship. 1352 kg of dry food (4 colli).
 16.06.2022 From SFJ to EGRIP by 109th, 9600 L of fuel in drums delivered to camp.
 16.06.2022 From SFJ to EGRIP by 109th, 2214 lbs of PAX, science and drill equipment. 12,080 L of fuel delivered to camp.
 16.06.2022 From EGRIP to SFJ by 109th, estimated 3,900 lbs of PAX, scientific equipment and cable drum.
 17.06.2022 From EGRIP to SFJ by Basler, 1 empty CO₂ bottle + RECAP Honda generator.

EGRIP camp activities:

During the period from Monday to Thursday the main focus of camp was to handle 109th flights bringing crew members, cargo and fuel to camp. The main crew exchange happened with Skier 11 on Monday 13th June when 8 people left camp and 18 people arrived (including two 109th airdrop observers). Two pallets of retro cargo were also flown out by the Skier. Tuesday Skier 21 performed a successful airdrop of 32 barrels of drill liquid just north of the Skiway, but brought less fuel to camp than expected. Hence it was necessary to call in a total of 3 Skiers Wednesday and Thursday to make sure camp has enough fuel for all the activities planned during the coming 5 weeks. All 3 missions successfully delivered fuel to camp: Skier 31: 11609 liters, Skier 41: 9600 liters (in drums), Skier 42: 12080 liters. Skier 42 also delivered 1 pallet of science equipment and 1 PAX to camp, and it left with 1 Pallet of retro cargo as well as 1 PAX from camp. During the intensive flight period the skiway was groomed in tune with the pilot advice, resulting in an upgrade of the skiway. Monday and Thursday the Basler made its two last radar flights of this season and Friday it left for SFJ for reconfiguration in anticipation of the TUNU pull out.

During the first days of the week, the new ramp to the drill trench was successfully covered by a snow roof cast using the big green balloon. This new covered ramp as well as an increase in camp personnel facilitated a significant acceleration of the excavation work in the drill trench. This work was ongoing all week with snow blocks being cut and carried to a Flexmobile pulled sledge that carried the blocks up the new ramp. Excavation work was still ongoing at the end of the week and is expected to last many more days.

Drilling:

No drilling is scheduled before late June.

Science:

Monday and Thursday the Basler made its two last radar flights of this season, while the drone team managed a total of 14 drone flights during the week. On the surface various science teams got organized and make progress on ApRES measurements (5 stations were placed out of camp), assembly tests and troubleshooting of the EGRIP radar system and the Greenland Exploration Rover. Furthermore, the AWI shallow drill system was setup south of camp and is now ready for drilling the S8 shallow core. Snow sampling was also carried out during precipitation events in the weekend.

EGRIP Camp Population: 28

Weather at EGRIP:

Mainly sunny weather with southerly and southwesterly wind 5-15kt Monday to Thursday, turning more cloudy Friday and during the weekend as winds turned first SE and then N increasing up to 17kt.

Temperatures between -21°C and -6°C with an increasing trend for night-time temperatures as clouds started to dominate.

Kangerlussuaq activities:

The FOMs were busy with a big crew exchange Monday, but was good prepared. The fuel situation in camp kept the FOMs active for a few days arranging three extra missions with the 109th getting fuel level up in camp and enough for keeping the camp running until next scheduled mission on July 19th. Wednesday the AWI ship container was received, where equipment for the radar and flight equipment are stored. Friday the Polar 5 plane came back to town and the radar system will be re-equipped for logistics missions next week. The first positive covid-19 case in the EGRIP project showed up in the weekend of a field participant that left EGRIP 5 days earlier. The situation was taken care of and our goal is not to get covid into camp. Finally, all the ID cards for the cars were permitted. There has been a change in the FOM crew, so we had to say goodbye to Helene, Eliza & Sune and welcome to Eirini and Thomas.

Weather in Kangerlussuaq/SFJ:

Weather started out with snowy weather for Monday and Tuesday, reducing the mosquitoes' activities. Wednesday temperature raised and the same did the level of mosquitoes, especially worse during handling fuel drums. Friday quite windy with sand storms in town. From end of Friday rainy/cloudy weather, again reducing the mosquitoes level. Temperatures between -2°C and +12°C.

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