

TO EGRIP STEERING COMMITTEE MEMBERS, DANISH AND GREENLANDIC AUTHORITIES.

Expedition Permit C-22-5 EGRIP – SITuation REPort (SITREP) no.10, Sunday 26 June 2022

This SITREP covers the period June 20 – June 26, 2022 (inclusive).

Movement of personnel:

- 20.06.2022 John Drysdale Paden (DE/US) from Kangerlussuaq to Copenhagen by Air Greenland.
- 20.06.2022 Dennis Ludwig (DE, AWI KBA crew) from Copenhagen to Kangerlussuaq by Air Greenland.
- 22.06.2022 Søren Børsting (DK) and Anders Mortensen Svensson (DK) from Copenhagen to Kangerlussuaq by Air Greenland.
- 22.06.2022 Michael Town (NO/US) from Kangerlussuaq to Copenhagen by Air Greenland.
- 25.06.2022 Iben Koldtoft (DK), Alan Gilbertson (CA, AWI KBA crew), Victoria Grahm (CA, AWI KBA crew) and Lucius Cirtwill (CA, AWI KBA crew) from Kangerlussuaq to Ilulissat by Polar 5 Basler (C-GAWI).
- 25.06.2022 Iben Koldtoft (DK), Alan Gilbertson (CA, AWI KBA crew), Victoria Grahm (CA, AWI KBA crew) and Lucius Cirtwill (CA, AWI KBA crew) from Ilulissat to Kangerlussuaq by Polar 5 Basler (C-GAWI).
- 25.06.2022 Søren Børsting (DK), Anders Mortensen Svensson (DK), Alan Gilbertson (CA, AWI KBA crew), Victoria Grahm (CA, AWI KBA crew) and Lucius Cirtwill (CA, AWI KBA crew) from Kangerlussuaq to EGRIP by Polar 5 Basler (C-GAWI).
- 26.06.2022 Brandon Thomas McDonald (CH/US, TUNU team), Drake Owen McCrimmon (US, TUNU team), Joseph Robert McConnell (US, TUNU team) and Sophia Michele Wensman (US, TUNU team) from TUNU to EGRIP by Polar 5 Basler (C-GAWI).

Movement of cargo:

- 20.06.2022 From Bremerhaven to SFJ by BlueWater ship, 346 kg of scientific equipment (8 colli).
- 25.06.2022 From Ilulissat to Kangerlussuaq by Polar 5 Basler, estimated 130 kg of explosive and beer kegs (6 colli).
- 25.06.2022 From SFJ to EGRIP by Polar 5 Basler, estimated 1500 lbs. of scientific + logistics equipment.
- 26.06.2022 From EGRIP to TUNU by Polar 5 Basler, estimated 100 lbs. of empty ice core tubes of TUNU team gear.
- 26.06.2022 From TUNU to EGRIP by Polar 5 Basler, 4 PAX + 29 ice core boxes of TUNU team gear.
- 26.06.2022 From TUNU to EGRIP by Polar 5 Basler, 43 ice core boxes of TUNU team gear.
- 26.06.2022 From TUNU to EGRIP by Polar 5 Basler, 3 full drums of MOGAS, camp gear and drilling equipment of TUNU team gear.
- 26.06.2022 TUNU team Basler received 3420 liter fuel from EGRIP tanks.

EGRIP camp activities:

Camp activities were mainly focused on excavation work in the drill trench, with all available hands in camp participating in the removal of snow blocks before lunch and dinner. Blocks could be removed by Flexmobile driven sledge up the new ramp from the drill trench. Flag line was established on the Greenland national day. After windy conditions camp was cleared of snowdrifts skiway was groomed, as to receive the AWI Basler Saturday bringing 3 crew and 2 new camp members. Sunday the AWI Basler started shuttling TUNU crew and camp gear back to EGRIP, bringing 4 TUNU camp members to EGRIP. Surface cargo was

also organized and snowmobiles serviced during the week. Vertical shaft for staircase to drill trench extended using balloon method.

Drilling:

Shallow drilling of the EGRIP S8 core (final depth 99m) completed near camp this week.

Science:

Drone operations continued with low level flights during cloudy conditions and flights up to 1500m above the surface under clear skies. Tests and troubleshooting the Greenland Exploration rover and ApRES systems, installation of ApRES west of camp. Assembly of the Polypod for the EGRIP ultra wide band train. Tests of the EGRIP ultra wide band train with radar measurements near camp.

EGRIP Camp Population: 37

Weather at EGRIP:

Overcast with northerly winds during the beginning of the week, turning windy (gusting up to 26kt) from N and NE Wednesday, calming again Thursday with brief sunny spells in the evening. Friday to Sunday gradually turning sunny as the wind direction changed to WSW. Temperatures generally between -17°C and -10°C, cooling to slightly below -20°C during clear early mornings.

Kangerlussuaq activities:

Most of the week was used to help the Polar 5 basler crew to re-equip the plane for logistics missions. The work was finished Wednesday after delays of both closed airport, rain and windy weather. Saturday the basler flew to Ilulissat to pick up explosive for use later in the season at EGRIP camp for the seismic while drilling associated program. After the missions to Ilulissat the Polar 5 could finally fly back to EGRIP camp for the TUNU pull out missions after several days of bad weather in camp. The sea freight container for AWI has been packed, documented and is ready for shipment. All the frozen food and dry food, which arrived earlier in the month with the ship, has been re-packed and is ready to be shipped into camp. Camp laundry was handled in for washing in the beginning of the week and got back later in the week. Two new camp members, Anders and Søren, arrived mid-week. Søren changes the alternator on the white Taro, which we hope will solve the issues we have had with the car earlier in the season.

Weather in Kangerlussuaq/SFJ:

Monday it was raining a lot keeping the mosquitoes away. Tuesday, on the Greenlandic National Day, was quite windy (even the airbus from Copenhagen has to return due to wrong wind direction) and in the evening it was snowing. The rest of the week, it was both cloudy, sunny and rainy. Temperatures between 0°C and +17°C.

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