

TO EGRIP STEERING COMMITTEE MEMBERS, DANISH AND GREENLANDIC AUTHORITIES.

Expedition Permit C-23-7 EGRIP – SITUATION REPORT (SITREP) no. 10, Sunday 25 June 2023

This SITREP covers the period June 19 – June 25, 2023 (inclusive).

Movement of personnel:

- 19 June** Grant Boeckmann (DK/US), Palle Koch (DK), Ashish Paiginkar (IN), Prashant Redkar (IN), Yannick Elias Heiser (DK/DE), Josephine Yolanda Lindsey-Clark (DK/S/UK), Barbara Seth (CH/DE) and Hans Kristian Sangill Brødløs (DK) from Kangerlussuaq to Copenhagen by Air Greenland.
- 19 June** Nanna Karlsson (DK - GEUS), Anne Solgaard (DK - GEUS), Øyvind Winton (DK - GEUS), Chris Shields (DK - GEUS), Gummi (IS - Norland Air pilot) and Björn (IS - Norland Air co-pilot) from Ilulissat to EGRIP by Norland 6 Twin Otter.
- 20 June** Tim Papakyriakou (DV - CA) from Copenhagen to Kangerlussuaq by Air Greenland.
- 22 June** Sverrir Aevor Hilmarsson (IS), Josef Richard Kipfstuhl (DK/DE), Cook, Eliza (DK/UK), Chiara Barla (IT), Martin Leonhardt (DE), Derryn Winston Harvie (AU), Ilka Weikusat (DE), Dirk Markus Mengedoht (DV - DE) and David Dreyer Lassen (DV - DK) from Copenhagen to Kangerlussuaq by Air Greenland.
- 23 June** Katrine Krogh Andersen (DV - DK) and Merete Eldrup (DV - DK) from Copenhagen to Kangerlussuaq by Air Greenland.
- 23 June** Christina Egelund (DV - DK), Hanne Meldgaard (DV - DK), Rikke Clausen (DV - DK), Anders Langballe Pedersen (DV - DK), Maria Ulf Møller (DV - DK) and Naimah Ambreen Hussain (DV - DK) from Nuuk to Kangerlussuaq by Air Greenland.
- 23 June** Nanna Karlsson (DK - GEUS), Anne Solgaard (DK - GEUS), Øyvind Winton (DK - GEUS), Chris Shields (DK - GEUS), Gummi (IS - Norland Air pilot) and Björn (IS - Norland Air co-pilot) from EGRIP to Constable Pynt by Norland 6 Twin Otter.
- 24 June** Sverrir Aevor Hilmarsson (IS), Josef Richard Kipfstuhl (DK/DE), Cook, Eliza (DK/UK), Chiara Barla (IT), Martin Leonhardt (DE), Derryn Winston Harvie (AU), Ilka Weikusat (DE), Dirk Markus Mengedoht (DV - DE), Tim Papakyriakou (DV - CA), David Dreyer Lassen (DV - DK), Katrine Krogh Andersen (DV - DK), Merete Eldrup (DV - DK), Christina Egelund (DV - DK), Hanne Meldgaard (DV - DK), Rikke Clausen (DV - DK), Anders Langballe Pedersen (DV - DK), Maria Ulf Møller (DV - DK) and Naimah Ambreen Hussain (DV - DK) from Kangerlussuaq to EGRIP by 109th US Air National Guard.
- 24 June** László Palcsu (HU), Mihály Veres (HU), Marjan Temovski (HU - MK), Elemér László (HU), Nándor Palcsu (HU), Jakob Schwander (CH), Remo Walther (CH), Lars Ostenfeld (Media - DK), Peter Kofoed (Media - DK), Kenneth Sorento (Media - DK), Alison Criscitello (CA), Bent Neumann Jensen (DK), Anders Mortensen Svensson (DK), Søren Børsting (DK), Kenji Kawamura (JP), Emil Dissing Eriksen (DK), Timothy Cedric Gee (UK), Nicolas Angelo Stoll (DE), Dirk Markus Mengedoht (DV - DE), Tim Papakyriakou (DV - CA), David Dreyer Lassen (DV - DK), Katrine Krogh Andersen (DV - DK), Merete Eldrup (DV - DK), Christina Egelund (DV - DK), Hanne Meldgaard (DV - DK), Rikke Clausen (DV - DK), Anders Langballe Pedersen (DV - DK), Maria Ulf Møller (DV - DK) and Naimah Ambreen Hussain (DV - DK) from EGRIP to Kangerlussuaq by 109th US Air National Guard.
- 25 June** Lars Ostenfeld (Media - DK), Peter Kofoed (Media - DK), Kenneth Sorento (Media - DK), Alison Criscitello (CA), Bent Neumann Jensen (DK), Anders Mortensen Svensson (DK), Søren

Børsting (DK), Emil Dissing Eriksen (DK), Timothy Cedric Gee (UK), David Dreyer Lassen (DK), Katrine Krogh Andersen (DV - DK), Merete Helene Eldrup (DV - DK), Christina Egelund (DV - DK), Hanne Meldgaard (DV - DK), Rikke Clausen (DV - DK), Anders Langballe Pedersen (DV - DK) and Naimah Anbreen Hussain (DV - DK) from Kangerlussuaq to Copenhagen by Air Greenland.

Fuel: Camp received 2215 L of fuel from C130. (24 juni defuel 5000 l, refuel -2785 l)
Camp gave Norlandair Twin Otter 1635 l of fuel

Movement of cargo:

20 June 1.423 kg of ship cargo received from Copenhagen to Kangerlussuaq by Blue Water Shipping (BWS nr: 7962712 and BWS nr: 7962726)

22 June 5 pll total 1023 kg food cargo dry and cool from Copenhagen to Kangerlussuaq by Air Greenland (631-28190676, via Chris)

24 June 1 AF pallet with food packed in ice core boxes (1t of food, total 2600 lbs);
1 AF pallet science material including logger calibration stand, flight cases for drill, scaffolding (total 2900 lbs); 7 flight cases with scaffolding and drill material (1190 lbs) from Kangerlussuaq to EGRIP by 109th US Air National Guard.

24 June 1 AF pallets Hungarian team science material, EGRIP science material, GEUS weather station parts, luggage from EGRIP (2800 lbs) to Kangerlussuaq by 109th US Air National Guard.

EGRIP camp activities: It has been a busy week at EGRIP with a peak population of 31. There has been an overlap of personal between 19 June and 24 June and we have had a Norlandair Twin Otter with a GEUS crew maintaining weather stations in North Greenland and at EGRIP. With Twin Otter and C130 traffic the skiway has been groomed pallets have been prepared and received. Unfortunately, two GreenDrill pallets and sledges were not able to make it out on 24 June. 24 June we had 11 distinguished visitors including the Danish Minister for Research and Education, representatives from the University of Copenhagen, University of Manitoba and the Alfred-Wegener-Institute. In addition, we had two film crews in camp for the week 19-24 June.

Drilling: Drilling was stopped on 18 June as the target depth of ice core logging depth of 2626.0 m was reached. This was a conservative estimate of 20 m from the bedrock. After arrival in camp 19 June the bedrock pinger of Jakob Schwander was deployed in the borehole. The result was not easily interpreted due to borehole expansions due to use of glycol but seemed to be in agreement with other estimates. After the pinger the dust logger of Jakob Schwander was deployed. In the Holocene ice the drill liquid was too unclear and in the glacial ice the dust signal was too high for the dust logger. After filtering the borehole and testing that the liquid level acoustic sensor was operational, deep drilling was started again 23 June. Sunday 25 June the drilling depth was 2637.38 m (run 1125). Weekly production: 11.38 m. In addition to the deep drilling the Hungarian team drilled five 24 m 3 inch core 1 km from camp. The lower 16-24 m was sampled for tritium. The upper part of two of the cores were logged and packed for Mercury (University of Manitoba) and for the Canadian ice core storage at University of Alberta.

Science: In the science trench logging, DEP and packing of the cores continued. In addition, scraps from the top each bag was sampled for O18 samples. 19 O18 samples were returned to University of Copenhagen on 24 June. Physical Property measurements continued and the ice crystals are still very big. From DEP we estimate the ice to be from the Eemian.

EGRIP Camp Population 25 June: 14

Weather at EGRIP: The weather this week has been very changeable with temperatures between -25 C and -9 C. The wind has been between 0 and 16 kt gusting 26 kt. The wind direction has been changeable. Many days have been with snow fall and drifting snow.

Kangerlussuaq activities:

Received ship cargo and moved into warehouse. Received food. Prepared AF pallets for mission on 24th. Prepared DV visit. Entertained DVs: Tour to point 660, science presentation at KISS, Dinner at Rowclub.

Weather in Kangerlussuaq/SFJ:

Increasing temperatures with increasing numbers of mosquitoes but still way less than usual at this time of the year.

EGRIP camp communication:

Field Leader Anders Svensson/ Dorthe Dahl-Jensen

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EGRIP web cam <http://alice.egrip.camp/>

EGRIP field operations office:

Field Operations Manager (FOM) Thomas Blunier/ Jørgen Peder Steffensen

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Kangerlussuaq, Greenland

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