

TO EGRIP STEERING COMMITTEE MEMBERS, DANISH AND GREENLANDIC AUTHORITIES.

PROJECT EGRIP (C-16-5) – SITUATION REPORT (SITREP) no. 15, Sunday, July 24th, 2016.

This SITREP covers the period July 18th – 24th, 2016 (inclusive).

Movement of personnel:

- July 18th** Thomas Sinkjær (DK), Eliza Cook (DK) from SFJ to Ilulissat by Air Greenland.
- July 19th** Dahe Qin (PRC), Yongjian Ding (PRC), Xingwu Xu (PRC), Sarah Berben (N), Naoko Nagatsuka (J), Iben Koldtoft (DK), Fumio Nakazawa (J), Christian Holme (DK), Thomas Fløisdorf (DK) from SFJ to CPH by Air Greenland.
Bärbel Höhn (D), Patricia Lips (D), Frank Wilhelms (D), Karsten Wurr (D) from CPH to SFJ by Air Greenland.
- July 20th** Aslak Grinsted (DK), Mari F. Jensen (N), Randi K. Nielsen (DK), Troels Mikkelsen (DK) from CPH to SFJ by Air Greenland.
Nicholas Rathman (DK), Camilla Marie Nielsen (DK) from SFJ to CPH by Air Greenland.
- July 21st** Bärbel Höhn (D), Patricia Lips (D), Frank Wilhelms (D), Karsten Wurr (D), Nanna Steffensen (DK), Frederik Reimert (DK), Nikolaj Olander Rasmussen (DK), Cunde Xiao (PRC), Aslak Grinsted (DK), Mari F. Jensen (N), Randi K. Nielsen (DK), Troels Mikkelsen (DK), Mika Lanzky from SFJ to EGRIP by 109th ANG.
Bärbel Höhn (D), Patricia Lips (D), Frank Wilhelms (D), Karsten Wurr (D), Nanna Steffensen (DK), Frederik Reimert (DK), Nikolaj Olander Rasmussen (DK), Nanna Karlsson (DK), Martin Vindbæk Madsen (DK), Henrik Preisler (DK), Diane Tuft (US), Jim Tisch (US), Juan Enriques (US), Pierre-Yves Cousteau (US), David Kiernan (US), Alan Stoga (US), Kurt Lauk (D), Chris Jacobs (UK), David Alvarado (US), Brendan Hall (US), Kate McLean (US), Jason Sussberg (US), Bill Nye (US), Jim White (US) from EGRIP to SFJ by 109th ANG.
Diane Tuft (US), Jim Tisch (US), Juan Enriques (US), Pierre-Yves Cousteau (US), David Kiernan (US), Alan Stoga (US), Kurt Lauk (D), Chris Jacobs (UK) from New York to SFJ by private jet.
Eliza Cook (DK) from Ilulissat to SFJ by Air Greenland.
- July 22nd** Bärbel Höhn (D), Patricia Lips (D), Frank Wilhelms (D), Karsten Wurr (D), Eliza Cook (DK), Nanna Karlsson (D) from SFJ to CPH by Air Greenland.
- July 23th** David Alvarado (US), Brendan Hall (US), Kate McLean (US), Jason Sussberg (US), Bill Nye (US), Jim White (US) from SFJ to Schenectady by 109th ANG, manifested by CPS.
Marius Folden Simonsen (DK) from CPH to SFJ by Air Greenland.
Martin Vindbæk Madsen (DK), Henrik Preisler (DK), Sune Olander Rasmussen (DK), Dorte Elisabeth Rasmussen (DK), Nikolaj Olander Rasmussen (DK) from SFJ to CPH by Air Greenland.

Movement of cargo:

- July 20th** 142 kg of scientific equipment CPH to SFJ by Air Greenland / Blue Water (AWB 631-2721 9850).

July 21st 3656 kg of scientific equipment (mainly Viessmann cabins for drillers and logging) and resupply plus 6541 L / 11680 lbs of fuel from SFJ to EGRIP by 109th NYANG.

1360 kg of personal field equipment, empty pallets, straps etc. from EGRIP to SFJ by 109th NYANG.

Camp activities:

The skiway markers were maintained and the skiway was groomed in preparation of the flight Thursday. The flight Thursday marked the end of the 2016 period with Distinguished Visitors at EGRIP. The groups: A television group, a policy maker group, a group of senior scientists, and a group of politicians all expressed their thanks for the hospitality received at EGRIP. With the flight on Thursday camp also had its last major crew exchange this year, and camp received the last items for camp construction and a fuel re-supply. As the floor in the core buffer was found to be too high compared to the freshly levelled floor in the logging tunnel, it was decided to remove the ice core shelves, lower the floor and put the shelves back in place. Several vehicles were maintained during the week. A water shortage on Saturday was caused by a forgotten plug in the dishwasher that nearly drained the main snowmelter.

Science activities:

The surface-snow sampling program is still ongoing. The water vapour sampling and measurement site is still online. Preparations to begin re-measurement of the 2015 strain network positions and expand the strain network. A table in the drill trench was made ready to receive freshly drilled cores for logging and documentation. The pore close off depth in EGRIP core is at 62 m. The pilot hole for the casing was decided to be deep enough and the drilling was terminated for this year.

Sunday logging depth (final 2016 depth): 108.73 m.

Drilling activities:

In the drill trench, the HT has been mounted on the shallow drill tower and drilling of the first core sections of the deep EGRIP ice core was done Tuesday. By the end of the week, drilling reached a depth of 108.73 m. During this first drilling week, drillers spent time adjusting the drill configuration for optimum core quality. The function of a bip-indication of drill rotation was not functioning and it was determined that one of the wires in the drill cable was damaged at the termination. This will be repaired next week.

EGRIP Camp Population:

17 people.

EGRIP iridium numbers:

+8816 777 37835 (Camp, primary number)

+8816 234 93272 (secondary)

Weather at EGRIP:

Summer is at EGRIP, with clear weather or few scattered clouds during day, and ground fog and low overcast in the morning. Winds normally 3 – 6 m/s from westerly sectors with a few short periods of calm. In the beginning of the week, one night down to -20^o C otherwise night temperatures between – 6 to - 10^o

C. On Thursday, day temperatures reached - 2°C, but most of the week daytime temperatures were at -4 to -10°C. We had a few short episodes with light snowfall.

Kangerlussuaq activities:

We have been composing loads and packing pallets for the flight on Thursday 21st July. A main task was to make plans for and carry out detailed programs for the visiting groups, including receiving and sending off passengers from Europe and the US, conducting excursions, and handling cargo to and from EGRIP.

Weather in Kangerlussuaq/SFJ:

Mostly sunny. Temperatures in the 15°C to 22°C range. Friday was very windy with a dry warm wind from the ice sheet and blowing dust. Blueberries and blackberries are ripe for picking.

The EGRIP FOM office:

Email: fom@egrip.camp homepage: www.eastgrip.org

Tel.: +299 84 11 51

Mobile: +299 52 41 25

Kangerlussuaq/SFJ iridium number: +8816 234 95044

EGRIP Field Operations office,

Marius Folden Simonsen

J.P. Steffensen