

TO EGRIP STEERING COMMITTEE MEMBERS, DANISH AND GREENLANDIC AUTHORITIES.

Expedition Permit C-18-5 EGRIP – SITUATION REPORT (SITREP) no.10, Sunday 01 July 2018

This SITREP covers the period June 25 – July 01, 2018 (inclusive).

Movement of personnel:

- 25. June:** Helle Astrid Kjær (DK), Jens Christian Hillerup (DK), Jakob Schwander (CH), Remo Walther (CH), Dorte Dahl-Jensen (DK), Bo Moellesoe Vinther (DK), Melanie Behrens (G), Maria Skranes (N), Terje Isungset (N), Sven-Erling Brusletto (N), Hallgrim Haug (N), Anne Marte Velsand Blindheim (N), Mari Fjalstad Jensen (N), Siwan Davies (UK), Jan Thomas Justesen (DK), Karl-Emil Nielsen (DK), Atle Sekkingstad (N), Ole-Andre Lagmandokk (N), Peter Lindgren (N, Sweden), Svein Haaland (N), Jim White (US), Joby Lubman (US), Sasha Torpe (US), Frederik Bugge Nielsen (DK), Anja Løkkegaard (DK) from Kangerlussuaq (SFJ) to EGRIP by skier 109th.
- 25. June:** Thomas Röckmann (D), Thomas Blunier (CH/DK) from Kangerlussuaq (SFJ) to CPH by Air Greenland.
- 25. June:** Nikoletta Vaxevasi (Greece), Richard Mark Nunn (US), Eliza Cook (UK/DK), Alexandra Mirjam Zühr(D), Tobias Erhardt(D/CH), Johannes Ekkehard Freitag (D), Kévin Bastien Fourteau (F), Ji-Woong Yang (CHN), Bayer, Madalena (D) from EGRIP to Kangerlussuaq (SFJ) by skier 109th.
- 26. June** Nan Zhang (CHN), from CPH to Kangerlussuaq (SFJ) by Air Greenland.
- 27. June** Nikoletta Vaxevasi (Greece), Richard Mark Nunn (US), Tobias Erhardt(D/CH), Johannes Ekkehard Freitag (D), Ji-Woong Yang (CHN), Madalena Bayer(D), from Kangerlussuaq (SFJ) to CPH by Air Greenland.
- 27. June** Julien Westhoff (D), Pia Götz (D), Nicolas Stoll (D), Sonja Wahl (D), from CPH to Kangerlussuaq (SFJ) by Air Greenland.
- 28. June** Vasileios Gkinis (GR/DK), Lasse Eriksen (DK), Steffen Bo Hansen (DK), Bärbel Seth (CH), Jan Tell (D), Christine Hvidberg (DK), Ikumi Oyabu (J), Jens Hesselbjerg Christensen (DK), Will Skorski (US), Masashi Niwano (J), Rigen Shimada (J), Sumito Matoba (J), Lisa Griem (N), from CPH to Kangerlussuaq (SFJ) by Air Greenland.
- 29. June:** Nan Zhang (CHN), Julien Westhoff (D), Pia Götz (D), Nicolas Stoll (D), Sonja Wahl (D), Vasileios Gkinis (GR/DK), Lasse Eriksen (DK), Steffen Bo Hansen (DK), Bärbel Seth (CH), Jan Tell (D), Christine Hvidberg (DK), Ikumi Oyabu (J), Jens Hesselbjerg Christensen (DK), Will Skorski (US), Masashi Niwano (J), Rigen Shimada (J), Sumito Matoba (J), Lisa Griem (N), from Kangerlussuaq (SFJ) to EGRIP by skier 109th.

- 29. June:** Jens Christian Hillerup (DK), Anders Svensson (DK), Kevin Amtoft Christensen (DK), Erik Hackmann-Nielsen (DK), Romain Duphil (F), Matthias Hüther (D), Camilla Marie Jensen (DK/CH), Morihiro Miyahara (J), Trevor Popp (US/DK), Emilie Capron (F), Kerim Nisancioglu (N), Tobias Zolles (N), Nicolas Rathmann (DK), Sepp Kipfstuhl (D), Hamid Mojtabavi (D), Damiano della Lunga (D), Jan Eichler (D), Valerie Morris (US), Maria Skranes (N), Terje Isungset (N), Sven-Erling Brusletto (N), Hallgrim Haug (N), Anne Marte Velsand Blindheim (N), Atle Sekkingstad (N), Ole-Andre Lagmandokk (N), Peter Lindgren (N, Sweden), Svein Haaland (N), Joby Lubman (US), Sasha Torpe (US), Jim White (US) from EGRIP to Kangerlussuaq (SFJ) by skier 109th.
- 30. June:** Anders Svensson (DK), Kerim Nisancioglu (N), Kevin Amtoft Christensen (DK), from Kangerlussuaq (SFJ) to CPH by Air Greenland.
- 01. July:** Jim White (US) from Kangerlussuaq (SFJ) to New York by 109th.
- 01. July:** Kévin Bastien Fourteau (F), Jens Christian Hillerup (DK), Erik Hackmann-Nielsen (DK), Romain Duphil (F), Matthias Hüther (D), Camilla Marie Jensen (DK/CH), Morihiro Miyahara (J), Trevor Popp (US/DK), Emilie Capron (F), Sepp Kipfstuhl (D), Hamid Mojtabavi (D), Jan Eichler (D), Valerie Morris (US), Maria Skranes (N), Terje Isungset (N), Sven-Erling Brusletto (N), Hallgrim Haug (N), Anne Marte Velsand Blindheim (N), Atle Sekkingstad (N), Ole-Andre Lagmandokk (N), Peter Lindgren (N, Sweden), Svein Haaland (N), Joby Lubman (US), Sasha Torpe (US), from Kangerlussuaq (SFJ) to CPH by Air Greenland.

Movement of cargo:

- 25. June** SFJ to EastGRIP by 109th / 4.120kg Cargo / 1.470L fuel / 3x AF pallets: foam boxes with dry food, Cardboard boxes with fresh food, DV cargo, RADIX foam boxes, and excess luggage.
- 25. June** EGRIP to SFJ/ 3978 kg Cargo/ 2x AF pallets: 39 boxes of frozen ice cores and garbage.
- 26. June** (AWB 631-2745-2154) / 221 kg / 4 cll / Science + logistical purchases from CIC.
- 28. June** (AWB 882 (GOH) 0035-572-5) / 1 cll / 3 kg / Lynx spare parts from Iceland.
- 29. June** SFJ to EastGRIP by 109th / 4.410kg Cargo / 7.140L fuel / 3x AF pallets: foam boxes with dry and frozen food, Japanese and other science equipment, bamboo sticks and excess luggage.
- 29. June** EGRIP to SFJ/ 2640kg Cargo/2x AF pallets: DV cargo and excess luggage.
- 30. June** SFJ to EastGRIP by 109th / 5.768kg Cargo / 6.800L fuel / 2x AF pallets: drill liquid, Mogas and empty foam boxes.
- 30. June** EGRIP to SFJ/1.659kg Cargo/ 1x AF pallet: 44 boxes frozen ice cores.

EGRIP camp activities:

From Monday to Friday EGRIP had the pleasure of hosting one DV (Jim White) three television crews (2 US and 6 Norwegian media) as well as 3 ice musicians, who treated the whole camp to a wonderful concert in the balloon trench concert hall.

Drilling:

Firn-gas drilling was completed and deep drilling continued, only interrupted by some days of filter runs at the end of the period.

Drilling from 1223.89m to m 1291.54m (drillers depths) of main core and from 52m to 117m shallow core at the firn-gas site.

Science:

On Friday a Japanese crew of three arrived in EGRIP, and the immediately commenced setting up equipment for surface monitoring of snow crystals and albedo etc. The measurements are done to validate satellite based measurements over the ice. Surface measurements of water vapor and surface snow sampling continued throughout the period.

In the science trench the processing and logging crew was changed completely in two phases, Monday and Friday. Hence processing continued at a modest pace as new crew members learned their positions. Some crew was also changed in the CFA isotope and PP cabins, but here steady production was almost maintained.

Processing of main core from 1140.70m to 1218.25m and logging of main core from 1232.61m to 1303.53m. Physical properties measurements from 888.25m to 1185.80m (not including the brittle ice from 904.75m to 1140.70) and CFA isotope measurements from 730.95m to 789.25m.

EGRIP Camp Population:

29 until Monday 25th, then 45 until Friday 29th, thereafter 33.

EGRIP iridium numbers:

Primary no.: +8816 7776 2837

Iridium Open port, field leader

Secondary no.: +8816 7776 2838

Common phone, main dome

Third no.: +8816 7776 2839

Handheld satellite phone

Link to webcam and weather station: <http://alice.egrip.camp/>

Weather at EGRIP:

The weather at EGRIP was mostly sunny, however ground fog and overcast conditions was often observed early in the day – in particular during flight operations Monday and Saturday. Wind speeds remained modest, only up to 10kt sustained, mainly from directions between SW and NW. Temperatures between -24C and -4C.

Kangerlussuaq activities:

Sorting out the Firn Air Cargo and preparing it for return shipping.

Picking up cargo, building 8x AF pallets, making transport papers and PAX manifests for the 109th. Planning with the 109th to make a training mission to EGRIP, changing plans due to bad weather and rebuilding AF pallets. Making last moment purchases. Handling the many PAX going in and out of KISS e.g. renting cars, picking up PAX up in the airport, getting room keys, getting rooms cleaned, arranging the EGRIP dinners at the Roclub, and helping the media teams to go on tours filming the ice front and the ice musicians.

Weather in Kangerlussuaq/SFJ:

Warmer sunny days with lots of mosquitoes, and not so sunny windier days with less mosquitoes.

Temperatures between 6 and 18 deg C.

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
E-mail: fom@egrip.camp

Kangerlussuaq FOM
Marie Kirk and FOM helpers Eliza Cook, Kevin Fourteau and Alexandra Mirjam Zuhr.

Field Leaders EGRIP
Anders Svensson, Bo Møllesøe Vinther