

TO EGRIP STEERING COMMITTEE MEMBERS, DANISH AND GREENLANDIC AUTHORITIES.

Expedition Permit C-17-5 EGRIP– SITUATION REPort (SITREP) no.14, Sunday 23. July 2017

This SITREP covers the period July 17– July 23, 2017 (inclusive).

Movement of personnel:

- 17. July** Marie Kirk (DK) from CPH to SFJ by Air Greenland.
- 18. July** Morihiro Miyahara (J), Kumiko Goto-Azuma (J), Tomoyuki Homma (J), Yumi Nakayama (J-press) and Romain Duphil (F) from CPH to SFJ by Air Greenland.
- 19. July** Dorthe Dahl-Jensen (DK), Kristian Bagge(DK), Karl Nyman (DK/S), Trevor Popp (DK/US), Swenja Schiwiek (D), Ji-woong Chung (KOR), , Andreas Plach (N/AUT), Johanna Kerch (D), , Martin Vindbæk Madsen (DK), Christine Hvidberg (DK), Jens Christian Hillerup (DK), Elizabeth Bagshaw (U.K.), Daniela Jansen (D-Press), Martin Tischner (D-press), Tobias Krell (D-press), Peter Wuchterl-Ammer (D-press), Johannes Obermaier (D-press) from CPH to SFJ by Air Greenland.
- 23. July** Morihiro Miyahara (J), Kumiko Goto-Azuma (J), Tomoyuki Homma (J), Yumi Nakayama (J-press), Dorthe Dahl-Jensen (DK), Aslak Grinsted(DK), Kristian Bagge(DK), Romain Duphil (F), Karl Nyman (DK/S), Trevor Popp (DK/US), Swenja Schiwiek (D), Ji-woong Chung (KOR), Andreas Plach (N/AUT), Johanna Kerch (D), Martin Vindbæk Madsen (DK), Christine Hvidberg (DK), Jens Christian Hillerup (DK), Elizabeth Bagshaw (U.K.), Daniela Jansen (D), Martin Tischner (D-press), Tobias Krell (D-press), Peter Wuchterl-Ammer (D-press), Johannes Obermaier (D-press) and three US-ANG DVs from SFJ to EGRIP by 109th.
- 23. July** Steffen Bo Hansen(DK), Basile de Fleurian (N/F), Jan Eichler (D), Vasileios Gkinis (DK/GRE), Mayu Herbst(DK), Andrew Hoffmann (DK/US), Bent Neumann Jensen(DK), Helle Kjær(DK), Khanghyun Lee (KOR), Nora Loose (N), Jan Tell(D), Matthias Huther(D), Abigail Thayer(US), Bo Vinther(DK) and three US-ANG DVs from EGRIP to SFJ by 109th .

Movement of cargo:

- 23. July** 5380 kg food, scientific equipment and spareparts, and 4250 liter fuel from SFJ to EGRIP by 109th .
- 23. July** 3650 kg scientific equipment, snow and ice core samples from EGRIP to SFJ by 109th.

Camp activities:

In preparation of the planned flight on Thursday, the skiway was groomed, and much work went into improving the NE end of skiway, where the 109th in June reported bumpiness. Also, the aim of the intense grooming work was to obtain an increase in landing weight of the LC-130, or at least to avoid a lowering of landing weight. The skiway markers has to straightened after high winds. On Thursday the plane was

cancelled due poor forecast and lack of available air craft. Friday, wind and snow across the skiway prevented flying, and a second round of strong winds prevented grooming until Saturday afternoon. Sunday morning the flight occurred without incidents. In camp, snow drifts had to be removed and the entrances to underground facilities had to be cleaned. Ice core and snow samples were packed and made ready for shipment. Temperature in the ice core buffer was measured at -22C.

Science activities:

Snow cores were drilled and sampled, also by using the portable CFA system on 5 m sections. A radar profiling 20 km SE of camp was made. Normal ice core logging stopped on Wednesday and from now on, brittle ice goes directly into the buffer. At the AWI drill test site, a 3.4 m pit study and A5-17 hand auger core to 15.9 m was done. Temperature profiling of AWI test borehole. Logging and packing AWI test core. Water vapour sampling, methane sampling, boundary layer and meteorology measurements continued steadily throughout the week.

Drilling activities:

In the beginning of the week, filtering runs continued until more than 200 kg slush had been removed from hole. Ice core quality appears to improve after cleaning the liquid column. The AWI test drill was packed down. Tuesday, drilling was resumed, but several times the drilling electronics had to be repaired. The 700 m depth mark was passed. Problems with tilting mechanism on tower was repaired. The borehole inclination continues to go down and work to further decrease the inclination continues.

July 16. Logging depth: 669.32 m.

July 23. Logging depth: 704.64 m.

EGRIP Camp Population: 31

EGRIP iridium numbers:

NOTE: Primary number different from the number given in the field plan.

Primary no.: +8816 777 72510

Iridium Openport

Secondary no.: +8816 234 9137

Field leader, handheld satellite phone

3 m satellite dish installed, and camp has access to LAN, the web and IP phones.

EGRIP IP based phone numbers (preferred): +45 77347444 ext 401 (Field leader office)

+45 77347444 ext 4012(first floor in Dome)

Weather at EGRIP:

Weather in camp has been very changing. Two days of high winds and snow upset the flight plans. Some days with overcast and snow and some days fine. The wind has been coming from various directions, and strong winds came from NE and later from SW. Wind speed were from calm up to 15 m/s during high winds. Temperatures ranged from -5 C to -20 C.

Kangerlussuaq activities:

The flight on July 23 marked a major crew exchange with 23 arriving passengers and 13 leaving. Food was picked up at the cargo terminal and frozen food packed in the warehouse. Our car were in good use as people had to wait three days for the flight. The VW Taro has come back from service with a new clutch and new tires. Due to the delay in flight, the tickets for all outgoing personnel was re-booked. Saturday evening we had a barbeque dinner at our warehouse.

EastGRIP field operations office

Kangerlussuaq, Greenland

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Weather in Kangerlussuaq/SFJ:

The weather in Kangerlussuaq has improved during the week. Sunshine and temperatures between +5 at night and +17C during the day. Mosquitos numbers are sometimes high.

EGRIP Field Operations office,

J.P.Steffensen

Marie Kirk