

## TO EGRIP STEERING COMMITTEE MEMBERS, DANISH AND GREENLANDIC AUTHORITIES.

### Expedition Permit C-19-6 EGRIP – SITUATION REPORT (SITREP) no. 12, Sunday July 14, 2019

This SITREP covers the period July 08 – 14, 2019 (inclusive).

#### Movement of personnel:

- 08.07.2019 Hannah Meyer (D) from CPH to SFJ by Air Greenland.
- 08.07.2019 Sofia Kjellman (N), Florian Mekhaldi (S), and Chiara Paleari (S/I) from CPH to SFJ by Air Greenland.
- 09.07.2019 Nanna Marie Steffensen (DK), Dorthe Dahl-Jensen (DK), Sverrir Hilmarsson (IS), Frederik Bugge Nielsen (DK), Bent Møller (DK), Ilka Weikusat (D), Kenji Kawamura (J), Elizabeth Bagshaw (UK), Trevor Popp (DK), Kentaro Yamashita (J), Kazuhiro Matsubara (J), David Barber (CAN), Lucette Barber (CAN), Prasad Gogineni (US), Suseela Gogineni (US), Stuart Bell (US), Susan Bell (US) and Sevgi Gurbuz (US) from CPH to SFJ by Air Greenland.
- 09.07.2019 Chloe Brashear (US) and Charles O'Neill (US) from NY to SFJ by the 109<sup>th</sup>.
- 10.07.2019 Stephen Yan (US) from CPH to SFJ by Air Greenland.
- 10.07.2019 Dorthe Dahl-Jensen (DK), Sverrir Hilmarsson (IS), Frederik Bugge Nielsen (DK), Bent Møller (DK), Ilka Weikusat (D), Kenji Kawamura (J), Elizabeth Bagshaw (UK), Trevor Popp (DK), Kentaro Yamashita (J), Kazuhiro Matsubara (J), David Barber (CAN), Lucette Barber (CAN), Prasad Gogineni (US), Suseela Gogineni (US), Stuart Bell (US), Susan Bell (US), Pavel Talalay (CHN/RUS), and Youhong Sun (CHN) from SFJ to EGRIP by the 109<sup>th</sup>.
- 10.07.2019 Sonja Wahl (N/D), Nicolas Stoll (D), Tine Sommer (DK), Janani Venkatesh (DK), Petra Langebroek (N), Margit Simon (N), Nicholas Rathmann (DK), Kevin Rozmiarek (US), Tyler Jones (US), Kerim Nisancioglu (N), Maria Eden (D), Aslak Grinsted (DK), Falk Oraschewski (DK/D), and Svenja Schiwiek (D) from EGRIP to SFJ by the 109<sup>th</sup>.
- 11.07.2019 Romain Duphil (F) from CPH to SFJ by Air Greenland.
- 11.07.2019 Kevin Rozmiarek (US), Tyler Jones (US), Kerim Nisancioglu (N), Aslak Grinsted (DK), and Chiara Paleari (S/I) from SFJ to CPH by Air Greenland.
- 12.07.2019 Steven Franke (D) from CPH to SFJ by Air Greenland.
- 12.07.2019 Sonja Wahl (N), Nicolas Stoll (D), Janani Venkatesh (DK), Petra Langebroek (N), Margit Simon (N), Maria Eden (D), and Svenja Schiwiek (D) from SFJ to CPH by Air Greenland.
- 12.07.2019 Romain Duphil (F), Chloe Brashear (US), Sofia Kjellman (N), Florian Mekhaldi (S), Hannah Meyer (D), and 30 JSEP PAX from SFJ to EGRIP by the 109<sup>th</sup>.
- 12.07.2019 Jan Tell (D), Steffen Bo Hansen (DK), Jan Oechsle (DK), Johannes Lohmann (DK), Naoko Nagatsuka (J), Tomotaka Saruya (J), Kenji Kawamura (J), Kentaro Yamashita (J), Kazuhiro Matsubara (J), David Barber (CAN), Lucette Barber (CAN), Prasad Gogineni (US), Suseela Gogineni (US), Stuart Bell (US), Susan Bell (US), Pavel Talalay (CHN/RUS), and Youhong Sun (CHN) from EGRIP to SFJ by the 109<sup>th</sup>.
- 12.07.2019 Daniel Steinhage (D) from CPH to SFJ by Air Greenland.
- 13.07.2019 David Wallis (D), Zurine Yoldi (DK/E), and Jens Christian Hillerup (DK) from CPH to SFJ by Air Greenland.
- 13.07.2019 Stuart Bell (US), Susan Bell (US), and Falk Oraschewski (DK/D) from SFJ to CPH by Air Greenland.
- 13.07.2019 Tine Sommer (DK) from SFJ to Nuuk by Air Greenland.

- 14.07.2019 Jan Tell (D), Steffen Bo Hansen (DK), Kentaro Yamashita (J), Kazuhiro Matsubara (J), Prasad Gogineni (US), Suseela Gogineni (US), Pavel Talalay (CN), and Youhong Sun (CN) from SFJ to CPH by Air Greenland.
- 14.07.2019 David Barber (CAN) and Lucette Barber (CAN) from Kangerlussuaq to Ilulissat by Air Greenland.
- 14.07.2019 Iben Koldtoft (DK), Steven Franke (D), David Wallis (NL/UK), Zurine Yoldi (DK/E), Jens Chr. Hillerup (DK), Sevgi Gurbuz (US), Charles O’Niel (US), Yan Jie (US), and Daniel Steinhage (D) from SFJ to EGRIP by the 109<sup>th</sup>.
- 14.07.2019 Chris Jacobs (UK), Bo Vinther (DK), Kevin Christensen (DK), Tobias Erhardt (D/CH), Hamid Motjabavi (D), Sebastian Hellmenn (D), Estelle Ngoumtsa (DK/UK), Liz Bagshaw (UK), Eliza Cook (DK/UK), Nan Zhang (CHN), and Li Bing (CHN) and 30 JSEP PAX from EGRIP to SFJ via Summit by the 109<sup>th</sup>.

**Movement of cargo:**

- 08.07.2019 AWB 631-27556620 from CPH to SFJ by Air Greenland, 3 euro pallets of fresh food (3 cll).
- 09.07.2019 One pallet with Mill Cross radar equipment and 7 lose items from NY to SFJ by the 109<sup>th</sup>.
- 10.07.2019 18 PAX, one pallet of dry food, deep drill cable and luggage (6,835 lbs), one pallet of frozen food (3370 lbs), and one pallet of science equipment, fresh food and 4 drums mogas (4,275 lbs), total 17,865 lbs from SFJ to EGRIP by the 109<sup>th</sup>. 3500 L of fuel delivered to camp.
- 10.07.2019 14 PAX, one pallet of ice samples (4,500 lbs), one pallet of trash (3,000 lbs), and one pallet of luggage, scientific cargo and snow samples (2,500 lbs), total 12,960 lbs from EGRIP to SFJ by the 109<sup>th</sup>.
- 12.07.2019 AWB 631-27611592 from CPH to SFJ by Air Greenland, 5.40 kg of scientific equipment to Anaïs (1 cll).
- 12.07.2019 AWB 631-27611861 from CPH to SFJ by Air Greenland, 21.0 kg of scientific equipment to Anaïs (1 cll).
- 12.07.2019 5 PAX + 30 JSEPs, one pallet of balloons, tower elements, isolating plates and luggage (2,640 lbs), and one pallet of JSEP equipment + radar boxes (3,145 lbs), total 13,135 lbs from SFJ to EGRIP by the 109<sup>th</sup>. 4000L of fuel delivered to camp.
- 12.07.2019 17 PAX, one pallet of ice samples + empty ice core boxes (3,800 lbs), one pallet of empty drums (1,300 lbs), and one pallet of luggage and ice samples (3,500 lbs), total 12,170 lbs from EGRIP to SFJ by the 109<sup>th</sup>.
- 14.07.2019 Two pallets Alabama radar and empty pallets (total 5,505 lbs) and 8300 L fuel from SFJ to EGRIP by the 109<sup>th</sup>.
- 14.07.2019 Pallet with JSEP equipment and pallet with drill equipment (total 6,800) from EGRIP to SFJ via Summit by the 109<sup>th</sup>.

**EGRIP camp activities:**

This week there were two major logistical tasks in camp: 1) Handling three LC-130 landings, each with arriving and departing people (including DVs) and arriving and departing cargo, and 2) Hosting the visit of 30 Greenlandic, Danish and US high school students of the Joint Science and Education Program (JSEP) for two days. The flights required almost constant grooming of the skiway as new snow fell several times during the week. As many as 134 passengers came and went through EGRIP airport this week. The JSEP visit took some planning and preparation, and Friday to Saturday, camp population grew to 55 and two cooks were serving meals in main dome in two shifts.

**Drilling:**

After a sequence of runs with increasing difficulty to break the core in the borehole, the risk of having a stuck drill significantly increased. It was therefore decided to stop deep drilling for 2019, and use the off-season to come up with new procedures and engineering solutions to the problem. After drilling was halted, the borehole was filtered and later the borehole was recorded with the borehole logger. Final 2019 logged depth: 2122.42 m Continued shallow drilling at S7 to 84 m.

**Science:**

The science trench was fully operational until Saturday and this week bags 3587 to 3856 were processed (i.e. 269 bags processed in total). Bag 3856 (2120.80m) is the final processed bag of 2019. In the CFA cabin a total of 147 bags were measured (3323-3470), while the PP measurements reached bag 3715.

Saturday was the big Joint Science and Education Program (JSEP) day. Greenlandic, Danish and US high school students were participating in ice core processing, snow pit studies and other scientific camp activities.

On the surface atmospheric and surface measurements continued as planned.

Two new projects started this Saturday: Testing of four radars from University of Alabama and the Danish rover project.

**EGRIP Camp Population:** 23, with a maximum (Friday-Sunday) of 55.

**Weather at EGRIP:**

Cloudy with sunny spells in the middle of the week. Some light snow fall. Otherwise fine. Temperatures in beginning of week -8C to -2C, later becoming -8C to -18C. Winds 3 – 5 m/s from SW to NNW.

**Kangerlussuaq activities:**

It has been the most busy week this season with three LC-130 flights to camp combined with DV visit and the High school students from JSEP. Eight pallets with food, supplies and the Alabama radar were packed and eight pallets received. The ice core freezer in Kangerlussuaq is now almost full; but shipment of the ice will await the very last samples that arrive from camp in August. All week there have been EGRIPpers in KISS, some on the way to camp and some returning from camp. All available vehicles have been in full swing. The FOMs have been giving talks to the JSEP students and the DVs were taken on several excursions to sights in the area and to the ice sheet margin.

**Weather in Kangerlussuaq/SFJ:**

Dry and mostly sunny. Temperatures between 22C and 8C. Very few mosquitos.

**The EGRIP camp:**

EastGRIP camp

IP phone: +45 7734 7444 ext. 401 (field leader), ext. 402 (1<sup>st</sup> floor in dome)

Iridium +8816 777 62837

**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  
IP phone: +45 7734 7444 ext. 301  
E-mail: [fom@egrip.camp](mailto:fom@egrip.camp)

Prepared by Kangerlussuaq Field Operation Managers Iben Koldtoft and Jørgen Peder Steffensen, and  
EGRIP field leader Dorthe Dahl-Jensen