

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

### Expedition Permit C-19-6 EGRIP – SITUATION REPORT (SITREP) no. 09, Sunday June 23, 2019

This SITREP covers the period June 17 – 23, 2019 (inclusive).

#### Movement of personnel:

- 17.06.2019 Sebastian Hellmann (D) from CPH to SFJ by Air Greenland.
- 17.06.2019 Guido Vettoretti (DK) from SFJ to CPH by Air Greenland.
- 17.06.2019 Tine Gjedde Sommer (DK) from Nuuk to SFJ by Air Greenland.
- 18.06.2019 Bo Møllesøe Vinther (DK), Kevin Amtoft Christensen (DK), Svenja Mareike Schiwiek (D), Jan Tell (D), Janani Venkatesh (DK), Seyedhamidreza Mojtabavi (D), Kerim Hestnes Nisancioglu (N), Maria Eden (D), Petra Margaretha Langebroek (N), Margit Hildegard Simon (N), Eliza Cook (DK), Steffen Bo Hansen (DK), Tyler Robert Jones (US), William Bradley Skorski (US), Jan Westenkær Thomsen (DK), Laila Chemnitz (DK), Rasmus Borum Rydahl (DK), Claus Birger Sørensen (DK), Jens Villum Kann-Rasmussen (DK), Jørgen Tang-Jensen (DK), Gregor Sailor (AT), Jean Gabriel Andre Xavier Leynaud (F), Quentin Thierry Esperse (F), and Thibault Antoine Vincent Bernard (F) from CPH to SFJ by Air Greenland.
- 19.06.2019 Bo Møllesøe Vinther (DK), Kevin Amtoft Christensen (DK), Tine Gjedde Sommer (DK), Svenja Mareike Schiwiek (D), Jan Tell (D), Tobias Erhardt (CH), Janani Venkatesh (DK), Seyedhamidreza Mojtabavi (D), Kerim Hestnes Nisancioglu (N), Maria Eden (D), Sebastian Hellmann (D), Petra Margaretha Langebroek (N), Margit Hildegard Simon (N), Eliza Cook (DK), Steffen Bo Hansen (DK), Tyler Robert Jones (US), William Bradley Skorski (US), Jan Westenkær Thomsen (DK), Laila Chemnitz (DK), Rasmus Borum Rydahl (DK), Claus Birger Sørensen (DK), Jens Villum Kann-Rasmussen (DK), Jørgen Tang-Jensen (DK), Gregor Sailor (AT), Jean Gabriel Andre Xavier Leynaud (F), Quentin Thierry Esperse (F), and Thibault Antoine Vincent Bernard (F) from SFJ to EGRIP by the 109<sup>th</sup>.
- 19.06.2019 Sarah Catherine Harvey (US), Giulia Sinnl (DK), Lydia Maria Helms (GL), Anders Svensson (DK), Alexios Theofilopoulos (N), Jan Westenkær Thomsen (DK), Laila Chemnitz (DK), Rasmus Borum Rydahl (DK), Claus Birger Sørensen (DK), Jens Villum Kann-Rasmussen (DK), and Jørgen Tang-Jensen (DK) from EGRIP to SFJ by the 109<sup>th</sup>.
- 20.06.2019 Lydia Maria Helms (GL) from SFJ to Nuuk by Air Greenland.
- 20.06.2019 Anders Svensson (DK) from SFJ to CPH by Air Greenland.
- 21.06.2019 Sarah Catherine Harvey (US), Giulia Sinnl (DK), Alexios Theofilopoulos (N), Jan Westenkær Thomsen (DK), Laila Chemnitz (DK), Rasmus Borum Rydahl (DK), Jens Villum Kann-Rasmussen (DK), and Jørgen Tang-Jensen (DK) from SFJ to CPH by Air Greenland.
- 22.06.2019 Claus Birger Sørensen (DK) from SFJ to CPH by Air Greenland.
- 23.06.2019 Nan Zhang (CN) and Bing Li (CN) from CPH to SFJ by Air Greenland.

#### Movement of cargo:

- 18.06.2019 20 L of soda concentrate from Nuuk to SFJ by KNI
- 18.06.2019 A shipping container with equipment from CPH/AAL to SFJ by ship by Royal Arctic Line.
- 19.06.2019 27 PAX and one pallet of science equipment, food, and luggage (4,650 lbs), total 10,470 lbs from SFJ to EGRIP by the 109<sup>th</sup>. 4500 L of fuel delivered to camp

19.06.2019 11 PAX, one pallet of ice samples and luggage (1,200 lbs), and one pallet of empty drums (1,460 lbs), total 5,000 lbs from EGRIP to SFJ by the 109th.

21.06.2019 AWB 631-27608582 from Bremerhaven to SFJ, 45 kg of drill equipment.

21.06.2019 AWB 631-27608700 from Bremerhaven to SFJ, 262 kg of science equipment.

21.06.2019 36 drums of drill liquid from SFJ to EGRIP by the 109th (airdrop training).

21.06.2019 9800 L of fuel from SFJ to EGRIP delivered by the 109th (in connection with airdrop training and DV visit).

22.06.2019 AWB 631-27555614 from Copenhagen to SFJ, 111 kg of frozen food.

22.06.2019 AWB 631-27555603 from Copenhagen to SFJ, 155 kg of fresh food incl. 40 L of soda concentrate.

#### **EGRIP camp activities:**

EGRIP camp received flights two times during this week, exchanging part of the camp crew Wednesday on skier 31 and hosting a 109<sup>th</sup> airdrop training operation Friday. In the latter operation skier 51 brought drop zone personnel and military DVs to camp, while skier 52 performed the airdrop 1nm north of the skiway. The operation was a success with 36 barrels of drill liquid be dropped in bundles with 4 drums in each. All drums were successfully recovered without any leakage. Furthermore skier 51 delivered 9800 liters of fuel to camp.

Otherwise camp hosted one photographer (documenting polar architecture) and a crew of 3 virtual reality (VR) experts producing a VR tour of EGRIP for the upcoming museum in Ilullisat.

#### **Drilling:**

The week started with a successful fishing operation recovering the drill from the bore hole after the cable had come loose the week before. As the cable did no longer spool nicely on the winch after the fishing operation, it was decided to unspool and respool the cable – and operation taking several days. Late in the week the bore hole was logged and filtered, and finally a new fishing operation had to be carried out, as two parts of the broken termination had to be recovered from the bore hole. No ice core was produced this week, except for the core recovered together with the drill Monday.

#### **Science:**

In camp the science trench processing line became fully operational Friday, and a total of 83 bags of brittle ice were processed (last bag 1729). CFA measurements were restarted (last bag 1663) and PP measurements continued (last bag 1656). On the surface the atmospheric and surface measurement programs continued as planned, with water vapor isotope drone operations restarted on Saturday. The MAGPIE project completed their measurement campaign placing and recovering stations up to 100km from camp.

**EGRIP Camp Population:** 40

#### **Weather at EGRIP:**

The week started and ended with wind from NW and snowy conditions with up to 25kts of wind Sunday. Otherwise good flying weather during the week with SW winds and only few cloudy periods. Temperatures ranged from -18°C to -4°C.

**Kangerlussuaq activities:**

This was a busy week with a large crew increase and exchange, 2 media groups, and a group of Danish DVs from the VILLUM Foundation and Niels Bohr Institute visiting EGRIP on June 19<sup>th</sup> with Kangerlussuaq tours on June 18<sup>th</sup> and 20<sup>th</sup>. Guido Vettoretti left the FOM office on June 17<sup>th</sup>. We hosted a group of high-ranking DVs from the 109<sup>th</sup> in camp on June 21<sup>st</sup> during the airdrop training mission and delivered a science presentation in Kangerlussuaq in the evening. We would like to express our gratitude to the 109<sup>th</sup> for a smooth collaborative event.

Late in the week, we have been preparing for the next mission scheduled for June 25<sup>th</sup>, including unpacking a container of ship cargo and repacking the contents.

**Weather in Kangerlussuaq/SFJ:**

Nice weather with temperatures up to 24°C in the early week. Friday-Sunday 8-15°C with unusually long periods of rain/drizzle. Mosquito level low.

**The EGRIP camp:**

EastGRIP camp

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