

TO EGRIP STEERING COMMITTEE MEMBERS, DANISH AND GREENLANDIC AUTHORITIES.

PROJECT EGRIP (C-16-5) – SITUATION REPORT (SITREP) no. 12 Sunday July 3rd, 2016.

This SITREP covers the period June 27th – July 3rd, 2016 (inclusive).

Movement of personnel: Movement of personnel:

- June 28th** Eliza Cook (DK), Sarah Berben (N), Camilla Marie Jensen (DK), Nicholas Mossor Rathmann(DK), Henrik Park Preisler from SFJ to EGRIP by the 109th NYANG.
- Jens Christian Hillerup (DK), Steen Rhydahl Larsen (DK), Anders Jørgensen (DK), Elizabeth Bagshaw (UK), Peter Voss (DK), Ingerid Salvesen (N), Elizabeth Kolbert (US), Linda Næsfeldt (N), Jan Bech (DK), Sarah Harvey (US), Kristian Høier (DK), Helen Pillar (DK), Kerim Nisancioglu (N), Hans Christian Steen-Larsen from EGRIP to SFJ by 109th NYANG.
- Jakob Schwander (CH), Barbara Seth (CH), Niccolo Maffezzoli (DK), Anders Svensson (DK) from SFJ to CPH by Air Greenland.
- June 29th** Steen Rhydahl Larsen (DK), Anders Jørgensen (DK), Peter Voss (DK), Ingerid Salvesen (N), Linda Næsfeldt (N), Kerim Nisancioglu (N), Hans Christian Steen-Larsen (DK).
- Elizabeth Kolbert (US), Jens Christian Hillerup (DK) from SFJ to Nuuk by Air Greenland.
- June 30th** Elizabeth Bagshaw (UK), Kristian Høier (DK), Helen Pillar (DK) from SFJ to CPH by Air Greenland.
- Sarah Harvey (US) from SFJ to Schenectady by 109th ANG.
- July 3rd** Jan Bech (DK) from SFJ to Sisimiut by Air Greenland.

Movement of cargo:

- June 27th** 884 kg of rapid access drilling equipment from SFJ to Bern by Air Greenland and Lufthansa.
- June 28th** 14,480 lbs (6580 kg) of drilling equipment, weatherports, cables, food, engine oil, bamboo, sleds, and chairs plus 5,383 L (10,300 lbs) of fuel from SFJ to EGRIP by 109th ANG.
- 8,100 lbs (3680 kg) of seismic instrumentation (Nettles group) from EGRIP to SFJ by 109th ANG (an onwards to Schenectady, US, on June 30th handled by our US partners at CH2M Hill)

Camp activities:

In the beginning of the week, the main activities were related to the end of the flight period. In addition to the work with cargo logistics, fuel offloading, and exchange of crew, we spent time catering for three journalists visiting camp, and a team from the company Emperion worked hard to set up a connection to a geostationary communication satellite using the large satellite receiver tested last week without luck. They succeeded, and we thus now have broadband internet in camp with better quality and at much-reduced cost compared to the former iridium-based system. The system was used on Sunday to live-stream the soccer match between France and Iceland.

On Monday, Kristian Høier successfully defended his MSc thesis in camp. Another *first* at EastGRIP.

For the rest of the week, teams have worked on construction tasks, setting up a third garage on a hill and improving camp facilities for the mid-July increase in camp population.

The drill trench floor has been finished and light and panels for electrical plugs has been installed in preparation for the drill setup later this month.

Science activities:

The surface sampling programme in the clean snow area continues.

So-called cryo-eggs have used to measure temperature in the 60 m deep EGRIP S1 borehole near camp. In addition two cryo-eggs have been placed 11-meter holes drilled: one in camp and one in the shear region at the boundary of the Northeast Greenland Ice Stream (NEGIS) 11.9 km from camp.

Positions: In camp: Behind weatherport WP3 (2016: STAPI)

At NEGIS boundary: EGG2 (160701) 75.70620N, 36.29790W, 11.91 km bearing 225° from the EGRIP reference pole (160623) 75.6303N, 35.9926W)

The Japanese sampling program has started, including a ~4 meter deep hand-dug snow pit.

Drilling activities:

As describes above, the drill trench is being prepared.

EGRIP camp population: 16 people.

EGRIP iridium numbers:

+8816 777 37835 (Camp, primary number)

+8816 234 93272 (secondary, night)

Weather at EGRIP:

Mostly sunny early in the week with more cloudy conditions later in the week. Daily maximum temperatures in the range from -8°C to -4°C and night minimum temperatures ranging from -17°C to -10°C . Winds predominantly from SW-NW between 5 and 10 knots.

Kangerlussuaq activities/SFJ:

Monday and Tuesday were busy with flight operations and a lot of cargo handling and packing. The whole team helped packing pallets and most of the ship cargo received mid-June is now in camp. Most of the

participants coming out from the ice left Kangerlussuaq Wednesday and Thursday, and the main activity since that has been tidying up and resting.

Weather in Kangerlussuaq/SFJ:

Changeable, temperatures in the 10-20°C range with some rain, later in the week improving.

Mosquito level low.

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