

TO EGRIP STEERING COMMITTEE MEMBERS, DANISH AND GREENLANDIC AUTHORITIES.

Expedition Permit C-17-5 EGRIP– SITUATION REPort (SITREP) no.16, Sunday 6. August 2017

This SITREP covers the period July 31– August 6, 2017 (inclusive).

Movement of personnel:

31. July Elizabeth Bagshaw(UK), Ina Kleitz(D), Søren B. Nielsen(DK), Christine Hvidberg(DK) and Daniela Jansen (D) from SFJ to CPH by Air Greenland.

1. August Karl Emil Nielsen(DK) and Marius Simonsen(DK) from SFJ to CPH by Air Greenland.

2. August Diana Vladimirova(DK/RUS) from SFJ to CPH by Air Greenland.

Movement of cargo:

2. August 91 colli, total 3578 kg ice core and snow samples from SFJ to CPH by Air Greenland.

3. August 8 colli, total 633 kg DK intermediate drill from SFJ to CPH by Air Greenland.

Camp activities:

A new Velux window was mounted on top of main dome. A mineralization filter was mounted on drinking water supply. PB 2 and PB 1 underwent maintenance. The cover of Carpenters garage was straightened after excavation of the skirt. New steps into dome were made. The IT cables inside, outside and under dome were rearranged. Snow was added to the snow wall around the base of the dome using a snow blower in order to keep the basement under the dome sealed. Mounted new exhaust system for backup generator and made routine maintenance of main generator and backup generator. Cleaning and documenting carpenters garage. Cutting away snow around staircase in stairwell by drill trench. The skiway was groomed. The white storage tent was emptied in preparation of lifting the tent to present snow surface.

Science activities:

Logging without cutting the ice cores and storing them in core buffer continues. Work in physical properties laboratory continues. Water vapour sampling, methane sampling, boundary layer and meteorology measurements continued steadily throughout the week. Water isotope sampling for sublimation studies. GPS and drone at N shear margin, around camp and down the ice stream from camp. SSA tent packed down in clean snow area. Packing and strapping ice core boxes.

Drilling activities:

Deep drilling continues in two shifts and 800 m was passed on Wednesday. Sunday was spent with borehole logging, calibration of the borehole logger and filtration of the borehole fluid. An error in orienting the outer spring relative to the azimuth caused an increase in inclination; but this has been

corrected and inclination is now being reduced again. Shallow drilling the S3 core continues as long as core quality remains good. S3 depth Saturday: 107.89 m.

July 30. Logging depth: 760.99 m.

August 6. Logging depth: 831.46 m.

EGRIP Camp Population: 21

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

A 3 m satellite dish gives camp 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:

First half of the week it was sunny with SW'ly winds at 2 – 8 m/s. Second half of the week it was overcast with sunny spells and some snow. Winds were from W to N and NW, up to 10 m/s. Temperatures between -20 C and -5 C.

Kangerlussuaq activities:

During the week several excursions to the ice were made with DVs and press. Presentations were given in KISS and interviews with journalists from 'Voice of America', 'New York Times', Finnish press and 'Deutsche Welle'. Two full truckloads of ice core and snow samples were handed in at the Air Greenland terminal. The ice is now safe in a freezer in Denmark. A large amount of dirty field gear has been laundered and placed back in the field equipment containers.

EastGRIP field operations office

Kangerlussuaq, Greenland

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Weather in Kangerlussuaq/SFJ:

The weather in Kangerlussuaq has been sunny, dry and warm. Temperatures between +6 at night and +22C during the day. Mosquitos are not an issue anymore. In the last few days, low clouds were hanging over the fjord. However, this is smoke from extensive bushfires just north of Kangerlussuaq in the Søndre Isortoq region. Saturday evening, the smoke reached Kangerlussuaq and the air smelled of burning plants. The bushfire is monitored by Danish Navy helicopters.

*EGRIP Field Operations office,
J.P.Steffensen*