

TO EGRIP STEERING COMMITTEE MEMBERS, DANISH AND GREENLANDIC AUTHORITIES.

Expedition Permit C-18-5 EGRIP – SITUATION REPORT (SITREP) no.08, Sunday 17 June 2018

This SITREP covers the period June 11 – June 17, 2018 (inclusive).

Movement of personnel:

- 11. June** Ståle Rønning (N), Sarah Harvey (US), Steffen Bo Hansen (DK), Bent Neumann Jensen (DK), Shimeng Wang (CHN), Sepp Kipfstuhl (D), Sune Olander Rasmussen (DK), Zhiheng Du (CHN), Daniela Jansen (D), Ilka Weikusat (D), Bruce Vaughn (US), Hans Christian Steen-Larsen (DK) from Kangerlussuaq (SFJ) to Copenhagen by Air Greenland.
- 11. June** Lydia V. Helms (GRL) from Kangerlussuaq (SFJ) to Tasiilaq (AGM) via Nuuk (GOH) and Kulusuk (KUS).
- 15. June** Jens Jakob Simonsen (GRL) from Kangerlussuaq (SFJ) to Narsarsuaq (UAK) via Nuuk (GOH).

Movement of cargo:

EGRIP camp activities:

Sunday June 11 camp received a Skier with PAX, firn gas equipment, long ice core troughs, and food. There has been no major activities in camp logistics. Monday to Tuesday a GLISN Twin Otter with 2 pilots and 4 scientists overnighed. Thursday to Saturday three Norwegian kite skiers passed by on their travel from Qaanaaq to Isortoq on the ice sheet. Vehicles have been maintained and ramps have been held free of snow. A small satellite camp has been set up 1.5 km south of camp for the firn gas drilling project.

Drilling:

Deep drilling is progressing well with 84 m drilled this week. The ice quality is very good and it appears that the brittle zone is terminating earlier (higher up in the ice) than expected. Below 1000 m depth there is hardly any internal cracks in the ice and drilled cores are in one piece. Newly drilled ice cores have been stored temporarily in 3.5m long ice core troughs in the ice core buffer as they are still somewhat brittle. Cores drilled earlier this season have been logged in parallel. At the firn gas site drilling and firn pumping with a bladder has progressed to a depth of some 50 m over the first week. 2-3 depths have been sampled in 24h.

Science:

It has been a busy week in the main processing line, where last years' brittle ice has been processed, water isotopes have been measured continuously, and the physical properties program has progressed as planned. Most likely, the Saksunarvatn visible tephra layer occurred close to 1150m depth, suggesting that the Holocene onset will occur close to 1250 m depth. The water vapor and snow surface program has been very active starting the week with replacement of a defect Picarro.

EGRIP Camp Population: 31

EGRIP iridium numbers:

Primary no.: +8816 7776 2837

Iridium Open port, field leader

Secondary no.: +8816 7776 2838
Third no.: +8816 7776 2839

Common phone, main dome
Handheld satellite phone

Link to webcam and weather station: <http://alice.egrip.camp/>

Weather at EGRIP:

Varying, visibility mostly good to unrestricted. Temp: -10 to -25 deg C.

Kangerlussuaq activities:

Planning of cargo and PAX for flight period 4. Did EastGRIP laundry. Sent people home by Air Greenland. Cleaned the warehouse. The ship arrived Saturday 16 June. We have received our containers Sunday 17 June.

Weather in Kangerlussuaq/SFJ:

Warm up to 20 deg C, mostly sunny with some rain. The mosquito season has started.

The EGRIP FOM office:

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