

TO EGRIP STEERING COMMITTEE MEMBERS, DANISH AND GREENLANDIC AUTHORITIES.

Expedition Permit C-17-5 EGRIP– SITUATION REPort (SITREP) no.13, Sunday 16. July 2017

This SITREP covers the period July 10– July 16, 2017 (inclusive).

Movement of personnel:

16. July J.P.Steffensen from CPH to SFJ by Air Greenland.

Movement of cargo:

16. July 550 kg scientific equipment and ice core boxes from CPH to SFJ by Air Greenland.

Camp activities:

Grooming of the skiway started on Wednesday in preparation of flight on July 20. There is special attention on the NE end of the skiway, as this end still has rollers from the many starting attempts on June 9. Temperature in the ice core buffer is beginning to be higher than -20 C and in order to restrict airflow through the tunnels and trenches, extra curtains in tunnels and doorways and extra seals have been mounted around the logging freezer. There has been service on vehicles.

Science activities:

As the deep ice core is now in the brittle zone, activities in the science trench are focused on work in the physical properties laboratory and in the isotope laboratory. Logging and storing the deep ice core continues. On the surface, the AWI team has concluded drill testing at 88 m depth. A portable CFA system has been tested. Water vapour sampling, methane sampling, boundary layer and meteorology measurements continued steadily throughout the week.

Drilling activities:

This week has been eventful on the drilling front. After a modification was made on the drill to correct for rising inclination, the drillers have been able to reduce inclination from more than 5 degrees to 3 degrees, however at a cost of lower production. The much improved inclination has been documented by subsequent bore hole logging. There have been issues with the electronics section and the software, and drill motors have been changed and issues with the depth encoder solved. There have been a couple of bad core breaks, resulting in some floating pieces of ice core in the hole. It was discovered, that the top valve of the borehole filter unit did not work properly and thus all previous filter runs have not been effective. Over the weekend, many filter runs were made to remedy the problem.

July 10. Logging depth: 606.13 m.

July 16. Logging depth: 669.32 m.

EGRIP Camp Population: 22

EGRIP iridium numbers:

NOTE: Primary number different from the number given in the field plan.

Primary no.: +8816 777 72510
Secondary no.: +8816 234 9137

Iridium Openport
Field leader, handheld satellite phone

3 m satellite dish installed, and camp has access to LAN and the web.

Weather at EGRIP:

Weather in camp this week was mostly sunny with fog patches. Saturday and Sunday cloudy with few snow showers. Wind were mostly from SW and W at 4-5 m/s; but made 360 degree turn and increased to 12 m/s on Sunday 16th. Temperatures were between -7C and -20C.

Kangerlussuaq activities:

Black Ford and Blue Toyota have been serviced. The VW Taro is scheduled to return from service Wednesday.

EastGRIP field operations office

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Weather in Kangerlussuaq/SFJ:

The weather in Kangerlussuaq has been cool, with some clouds and rain and snow during the night. Temperatures between +1 at night and +10C during the day. Mosquitos numbers are down.

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