

TO EGRIP STEERING COMMITTEE MEMBERS, DANISH AND GREENLANDIC AUTHORITIES.

Expedition Permit C-19-6 EGRIP – SITUATION REPORT (SITREP) no. 11, Sunday July 07, 2019

This SITREP covers the period July 01 – 07, 2019 (inclusive).

Movement of personnel:

07.07.2019 Jørgen Peder Steffensen (DK), Pavel Talalay (CHN), and Youhong Sun (CHN) from CPH to SFJ by Air Greenland.

Movement of cargo:

04.07.2019 AWB 631-27610682 from CPH to SFJ by Air Greenland, 169 kg of scientific equipment (11 cll).

07.07.2019 AWB 631-27610936 from CPH to SFJ by Air Greenland, 1178 kg drill winch with cable (1 cll).

EGRIP camp activities:

The week was used for production drilling, processing, CFA, PP and surface measurements, as well as finishing the GPS stake measurements around camp. Skiway was groomed in anticipation of next weeks flights, and snowdrifts forming at trench entrances were kept at bay. A new 5.67m deep toilet hole was also made. Furthermore a “bear in camp 0630” exercise was completed and evaluated. A double pit was excavated just SW of WP2 and WP3.

Drilling:

Production drilling has been carried out until Saturday before lunch, when it had to be stopped due to consistently hard core breaks. The core breaks Friday and early Saturday were all at (or near) the pulling capacity of the winch motor (2.2 tons). Hence the ever-increasing risk of getting the drill stuck had become unacceptable and drilling thus had to be stopped. Until this point, it had been a productive week with 98.23m drilled by the 3 drill shifts. Logged depth at end of week was 2120.37m. Shallow drilling equipment was brought back to the S7 shallow drill site, and coring was continued from 40m and downwards to 55m at the end of the week.

Science:

The science trench was fully operational during the entire week and good progress was thus made in the processing line where bags 3278 to 3586 were processed (i.e. 309 bags processed in total). In the CFA cabin a total of 205 bags were measured (1849-1930 & 3200-3322), while the PP measurements reached bag 3516. Corebuffer temperature was between -21°C and -20°C all week.

On the surface atmospheric and surface measurements continued as planned even though the drone program had to be terminated mid-week. Measurements of the GPS stakes around camp were completed. A Japanese snow pit was dug and sampled down to 1m.

EGRIP Camp Population: 33

Weather at EGRIP:

The week was mostly cloudy with intermittent snowfall but ending up with a nice and sunny weekend. Winds mostly from northerly directions, turning SW towards the end of the week, but never more than 12 kts sustained. Temperatures between and -18°C and -1°C.

Kangerlussuaq activities:

Repacking food from ship, cleaning in the warehouse, picking up laundry and preparing for next week's large crew exchange. Jørgen Peder joined the FOM office on July 7th.

Weather in Kangerlussuaq/SFJ:

A mix of weather with cloudy and sunny spells. In the weekend sunny and warm days. Temperatures between 6-21°C. No Mosquitoes.

The EGRIP camp:

EastGRIP camp

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