

NEEM - SITREP no. 13, Sunday 18 July 2010

This SITREP covers the period July 12- July 18, 2010 (inclusive).

Movement of personnel:

- July 11** Lucia Sala (IT) from CPH to SFJ by Air Greenland.
- July 16** Lilo Berg (D) and Lise Barnéoud (F) to SFJ by Air Greenland.
- July 18** Jørgen Peder Steffensen (DK), Rune Steffensen (DK), Svend Steffensen (DK), and Silvia Schön (D) from CPH to SFJ by Air Greenland.

Movement of cargo:

- July 15** 44 kg (2 kolli) Scientific equipment from Aberystwyth University to SFJ by Air Greenland.
4 kg (1 kolli) Scientific equipment from Piccaro Instruments to SFJ by Air Greenland.
- July 16** 724 kg (11 kolli) from UCPH to SFJ by Air Greenland.

Camp activities:

This week the camp has continued working in normal routine. The drilling got back on track again after the problems last week, and even broke this year record of the daily production. Snow and snowdrifts has influenced the camp maintenance, and drift snow had to be removed from several places in camp, and skiway was groomed towards the end of the week.

Skiway:

Grooming of skiway started Friday after the first snow storm, and was continued all Sunday in preparation of the next week flight period with DV visit to the camp.

Drilling:

Part of Monday was used to filter the hole after the drill was stuck in the hole on Sunday. The drilling got back into a very productive mode, and on Thursday the drilling broke this year record on drilling production in one day. Friday afternoon, drilling was stopped and a sonic logger was lowered to the bottom of the borehole in order to obtain a precise determination of the bedrock depth. The borehole was also temperature logged. The temperature at bottom of the borehole was -4.2 deg C so depending on the ice thickness there might be basal melt or not.

This week production: 70.56 m

Driller's depth: 2491.51 m

Logging depth: 2507.29 m

Science trench:

Processing of the brittle core drilled last year continued this week. The processing continued with a speed of about 30 meters per day. Friday was the last day of processing the brittle core, and Saturday, the processing of the deep freshly drilled core from this year was resumed. Also on

Saturday, the CFA team reached their goal of processing down to 2200 meter depth. The deeper ice and the brittle ice for CFA will be stored at NEEM and will be CFA processes in 2011. The CFA team has in total processed 930 meter of ice core this year.

CFA production this week: 127.6 m

CFA depth: 2200.55 m

Processing production this week (ECM, DEP, Cutting): 66.5 m of deep ice core, 90.75 m of brittle ice core, including brittle zone bags 2116-2119.

Processing depth: 864.6 m in the brittle ice, and in the deep ice 2438.70 m.

Drill trench: -13C

Connecting tunnel: -18C

Core buffer: -20C

Science trench: -14C

Ice cave: -21C

Associated programs:

Brought shallow drill equipment to site S2.(77 deg 25.471 min N; 51 deg 07.266 min W)

NEEM iridium numbers:

Primary no.: +8816 777 02735

Secondary no.: +8816 224 34860

Night no: +8816 414 39 863

Weather at NEEM:

It has been a week with a change in weather from clear and cold conditions to warmer temperatures, overcast and clouds in the beginning of the week, snow and snow drifts on Thursday and then more snow showers, warmer temperatures and stronger winds with snow drifts. Day and night temperatures in the last part of the week between -7C and -8C.

NEEM camp population: 32

Kangerlussuaq activities:

We have prepared the DV visit, and arranged accommodation, meals, rental cars, polar gear, collected information on travel times and clearance data, and made a plan for the three day DV visit. We have also communicated with the visitors and sent information on the visit. We have processed the requests from camp. We have ordered and acquired food, medical supplies, and other supplies for the camp in preparation of the next weeks flight period. Numbered Iceboxes and repaired hole in floor in warehouse. We have ordered a new door for the warehouse, and had the Toyota Landcruiser evaluated.

Weather in Kangerlussuaq/SFJ:

This week also brought a change in weather to Kangerlussuaq. The first days were overcast with temperatures around 15C, later changing to thick cloud cover and rain and Daytime temperatures

down to 10C. Towards the weekend the weather cleared again and became sunny and warm with temperatures at 15-20C again. Mosquitos are still around, but low.

Tel.: +299 84 11 51

Mobile: +299 52 41 25

Kangerlussuaq/SFJ iridium number: +8816 2144 2402

NEEM Field Operations office,

Christine Hvidberg

Bo Hvidberg