

NEEM - SITREP no. 9, Sunday 20 May 2010

This SITREP covers the period June 14 - June 20, 2010 (inclusive).

Movement of personnel:

June 20: Margaretha Hansson (S) and Thorbjörn Karlin (S) to Kangerlussuaq from CPH by Air Greenland

Movement of Cargo:

No movement of cargo

Activities:

A quiet week between to flight periods. Daily routine work has been carried out all this week. Maintenance of main generator. Removing snowdrifts. Improving skis on the fuel sledges.

Skiway:

The skiway, apron and taxiway have been groomed extensively. The groomers have been working on the skiway every day, sometimes two vehicles at the same time, except when weather did not permit work. Due to very high temperatures and a lot of snow it has been quite a fight improving the skiway. By Sunday evening the skiway is ready for flights next week.

Drill trench:

In the beginning of the week it was tricky to find the optimal drilling pitch to obtain negative cutter load without getting too high current in the motor. Different cutters were tried before the stable drilling continued. Some problems with the software communication are a nuisance, but do not slow drilling. A problem with the winch controller was fixed on Sunday. Drillers are drilling with higher pitch, which allow for negative cutter load and brings the inclination under control.

This week production: 102.10 m

Driller's depth: 2155.76 m

Logging depth: 2170.38 m

Science trench:

A routine week in the science trench where a 400 m production so far this season was celebrated in the CFA. In processing the 94,000 year reference horizon has been passed, which is the lowest radar horizon that can be identified using the NGRIP record.

CFA production this week: 118.80 m

CFA depth: 1730.85 m

Although it has been warm on the surface, temperature control is still maintained in the trenches by switching the cooling tunnels on when needed. Insulation of the ventilation air ducts from the CFA laboratories has helped together with mounting plastic curtains in the connecting tunnel and between core buffer and science trench.

Processing depth (ECM, DEP, Cutting): 2144.45 m

Drill trench: -13C (cooling tunnel some times switched on)

Connecting tunnel: -19 C

Core buffer: -20C (cooling tunnel some times switched on)

Science trench: -17C

Ice cave: -24C

Associated programs:

At the water vapour sampling site the machines was working fine and many experiments conducted.

NEEM iridium numbers:

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Weather at NEEM:

Again a rather warm week at NEEM with temperatures between –18C and -1.7C (-1.7 C at 02.00 Saturday morning), mostly 2 knots to 18 knots and grey and cloudy with several snow showers. The night between Friday and Saturday camp was hit by a blow. Mean wind went up to 28 knots, with gusts up to 37 knots. Most of Saturday the wind was strong, and it snowed most of the time. Camp got 7.5 cm new snow in 24 hours.

NEEM camp population: 33**Kangerlussuaq activities:**

Nice and quit week in Kangerlussuaq, maintenance and repair on vehicles.

Weather in Kangerlussuaq/SFJ: Cloudy and rain showers, end of weekend very nice warm and sunny.

Temperatures 12C to 22C

Mosquitoes

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