

TO NEEM STEERING COMMITTEE MEMBERS, DANISH AND GREENLANDIC AUTHORITIES.

PROJECT NEEM (C-12-5) – SITUATION REPORT (SITREP) no.03, Sunday 27. May 2012.

This SITREP covers the period May 21 – May 27, 2012 (inclusive).

Movement of personnel:

May 21 Mirena Olaizola (DK), Martin Leonhard (D), Philipp Schuert (D) and Marja Kröger (D) from Copenhagen (CPH) to Kangerlussuaq (SFJ) by Air Greenland.

Erin Pettit (US) and Dan Kluskiewicz (US) from Schenectady to Kangerlussuaq by NYANG 109th

May 23 Mirena Olaizola (DK), Martin Leonhard (D), Philipp Schuert (D), Marja Kröger (D), Erin Pettit (US) and Dan Kluskiewicz (US) from Kangerlussuaq to NEEM by NYANG 109th.

Hans Christian Steen-Larsen (US) from NEEM to Kangerlussuaq by NYANG 109th

Daniel Steinhage (D) and Julia Binder (D) from Kangerlussuaq to NEEM by AWI Basler POLAR6
Koni Steffen (US), Gino Casassa (CHL), Faezeh Nick (US) and Simon Steffen (US) from Kangerlussuaq to NEEM by Nordurland Twin-Otter.

Movement of cargo:

May 21 2110 kg food and logging winch from Schenectady (KSCH) to SFJ by NYANG 109th.

May 23 4490 kg Logging/drilling equipment and food from Kangerlussuaq to NEEM by NYANG

365 kg food from Kangerlussuaq to NEEM by AWI Basler POLAR6

194 kg test balloon from Copenhagen to Kangerlussuaq by AirGreenland

2675 kg Weatherports, Met Tower and Garbage from NEEM to Kangerlussuaq by NYANG 109th

Activities:

A main activity for the camp this week was preparing and handling of the flight operations to and from the camp. The NYANG 109th flight was postponed a day to wait for delayed US cargo and passengers in Kangerlussuaq. Due to the bad weather in southern part of Greenland the AWI Basler Polar 6 was a little behind schedule and had to postpone the arrival at NEEM. The Nordland Twin-Otter took advantage of the nice weather in North Greenland and moved the schedule forward. This caused a busy May 23 with all three airplanes flying to NEEM. The operations went well the NEEM Skiway got an upgrade and the NYANG 109th LC-130 could take off without any problem. The AWI Basler Polar 6 and the Nordland Twin-Otter were staying in camp for further flight operations in and out of NEEM.

Before the flights HF communication was set up and successfully tested with Kangerlussuaq office.

Camp opening is now over and work at NEEM is entering a phase with scientific and logistical tasks.

Work has begun on excavating the two big garages. Later, the garages will be lifted to new hills for storage. Already on the second LC-130 mission this year camp has been able to send equipment back to Kangerlussuaq, and this week most of the overwintering cargo in the cargo line has been excavated and lifted to the snow surface. The collection of cargo to be shipped out next time is in progress.

Drilling:

The Danish intermediate drill test is completed. 130.4 meter was drilled. From 117.5 meter to 130.4 meter drilling was done in wet mode for testing a new drilling fluid. More tests with the new drilling fluid are planned for next week.

The German shallow drill has been mounted for testing in the southern part of camp. Some adjustments are still needed before test drilling can begin.

Science:

Logging with the Danish logger was completed; temperature and borehole geometry was measured. Mounting and testing the US sonic logging system using the NEEM deep drill winch was tested; but the characteristics of the winch and cable setup did not fit. Saturday and Sunday the U.S. SP winch was put in place on the snow surface inside a tent. The sonic logging will be done through a hole in the roof of the drill trench.

Associated programs:

The AWI Basler Polar 6 completed four radar missions in the northern part of the Greenland ice sheet and made a test landing at the NEGIS site where Polar 6 will fly in a U.S. team later in the season. Polar 6 is now ready to deploy to Kangerlussuaq to reconfigure the airplane.

The Nordurland Twin-Otter and the PARCA team completed three mission and serviced the Automatic Weather Stations (AWS) at the following sites; GITS, Humbolt, Peterman, TUNU and NEEM. The Twin-Otter is now ready to leave NEEM.

All the procedures related to the flight operations went fine: i.e. fuelling, communication ground to air and contact to Airspace authorities Flight Information Centre (FIC)

The automatic water vapour sampling and isotopic measuring station is now operational. It is scheduled to run the entire season.

Weather at NEEM:

Again a week with very nice weather, mainly clear blue sky with few clouds wind 3-13 knots and Temperature between -14C to -31C

NEEM camp population: 27

NEEM iridium numbers:

Primary no.: +8816 777 15686

Second no: +8816 414 39863

Tomato back-up: +8816 414 52559

Kangerlussuaq:

Packing and preparing cargo for NEEM flights this week.

Tel.: +299 84 11 51

Mobile: +299 52 41 25

Kangerlussuaq/SFJ iridium number: +8816 214 42402

Weather in Kangerlussuaq/SFJ:

Snow and rain most of the week with temperatures between -5C and + 10C.

First mosquitoes reported...

NEEM Field Operations office,

Lars Berg Larsen