

**TO NEEM STEERING COMMITTEE MEMBERS, DANISH AND GREENLANDIC AUTHORITIES.**

**PROJECT NEEM (C-12-5) – SITUATION REPORT (SITREP) no. 10, Sunday 15. July 2012.**

This SITREP covers the period July 9 – July 15, 2012 (inclusive).

**Movement of personnel:**

- July 9** Casper Rasmussen (DK) from Kangerlussuaq to NEEM by AWI Basler Polar6.  
Leo Peters (US), Knut Christianson (US), Kiya Wilson (US) and Atsuhiko Muto (US) from NEGIS Camp to NEEM by AWI Basler Polar6.
- July 10** Leo Peters (US), Knut Christianson (US), Kiya Wilson (US), Atsuhiko Muto (US) and Sarah Harvey (US) from NEEM to Kangerlussuaq by AWI Basler Polar6.
- July 11** Trine Dahl-Jensen (DK) from CPH to Kangerlussuaq by AirGreenland.  
Dean Childs (US) and Allan Shi (US) from Schenectady to Kangerlussuaq by 109<sup>th</sup> NYANG.
- July 12** Leo Peters (US), Knut Christianson (US), Kiya Wilson (US), Atsuhiko Muto (US) from Kangerlussuaq to Schenectady by 109<sup>th</sup> NYANG.  
Bryn P. Hubbard (UK), Sverrir Æ. Hilmarsson (IS), Kazuhide Sato (J), Steffen B. Hansen (DK) and Trevor Popp (DK) from CPH to Kangerlussuaq by Air Greenland.

**Movement of cargo:**

- July 9** Approx. 8000 lbs of NEGIS cargo from NEGIS camp to NEEM by AWI Basler Polar6.
- July 10** Approx. 3000 lbs of NEGIS cargo from NEEM to Kangerlussuaq by AWI Basler Polar6.

**Activities:**

The packing down of NEEM camp has continued through the week. We have removed snow blocks from the drill trench ramp. Removed tables and floor grids from the Science Trench, and packed band saws in boxes. Designed and built a box for the science trench scale. Removed ice and water from drill and tower every day due to the unusual weather situation at NEEM and the meltwater dripping everywhere. We have installed light in the balloon trench.

**Science:**

We have used the warm weather at NEEM to study formation of melt layers and changes in the firn. We have made shallow pits to observe the melt and formation of ice layers, measure firn temperatures and take samples. The air aerosol sampling and the measurements of the stable water isotopes in the vapour successfully continues.

**Drilling:**

No drilling.

**Associated programs:**

The NEGIS camp has been closed down and pulled out to the NEEM camp. The camp crew and some cargo were moved to Kangerlussuaq by the Basler Polar6. The remaining NEGIS cargo was repacked and organized on pallets at NEEM and prepared to be moved to Kangerlussuaq by the 109ths.

**Weather at NEEM:**

Until Tuesday morning, Sunny weather with day temperature of -4C and night temperatures of -13 C. Then an unusual weather situation came with temperatures around the freezing point night and day, overcast, and periods with rain, sleet or light snow. This weather continued throughout the week. The planned flight with LC-130 this week was cancelled due to this unusual weather

**NEEM camp population:** 8 (15 Monday night, including the NEGIS crew and the Basler Polar6 crew)

**NEEM iridium numbers:**

Primary no.: +8816 777 15686

Second no: +8816 414 39863

:Field leader night: + 8816 214 64 908

**Kangerlussuaq:**

Polar 6 flights to NEGIS Monday, and returning to Kangerlussuaq Tuesday. Preparing for the 109 flight period, planning flights and cargo, and receiving the NEEM crew. DV visit to the NEEM project in Kangerlussuaq Thursday to Saturday by Niels Strandberg Pedersen, chairman of the board of University of Copenhagen. Arranged an excursion to the ice front with the stranded NEEM crew.

Tel.: +299 84 11 51

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Kangerlussuaq/SFJ iridium number: +8816 214 42402

**Weather in Kangerlussuaq/SFJ:**

Sunny and warm most week. On Wednesday, a strong föhn wind from the ice sheet with dust storm around Kangerlussuaq. The warm temperatures over the ice sheet increased melting and run-off of meltwater, and caused flooding of Watson River. The bridge has been closed since Tuesday night, and the dams were washed away Wednesday. The water supply survived the flooding, but the radar at Black ridge was disconnected, but will be restored in the coming week. Day temperatures +20 - +25C.

Mosquitoes level low.

*NEEM Field Operations office,*

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