

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

**PROJECT NEEM (C-12-5) – SITUATION REPORT (SITREP) no. 11, Sunday 22. July 2012.**

This SITREP covers the period July 16 – July 22, 2012 (inclusive).

**Movement of personnel:**

**July 17** Sarah Harvey (US), Trine Dahl-Jensen (DK), Bryn P. Hubbard (UK), Sverrir Æ. Hilmarsson (IS), Kazuhide Sato (J), Steffen B. Hansen (DK), Trevor Popp (DK), Dean Childs (US) and Allan Shi (US) from Kangerlussuaq to NEEM by 109th.  
Lou Albertshardt from Schenectady to SFJ by 109<sup>th</sup> NYANG.  
Motohiro Hirabayashi (J), Gunnar M. Arnthorsson (IS), Casper Rasmussen (DK) from NEEM to SFJ by 109th.

**July 18** Gunnar M. Arnthorsson (IS) from SFJ to Reykjavik via NUUK by AirGreenland.  
Lone Holm Hansen (DK) from CPH to SFJ by AirGreenland.

**1<sup>st</sup>. Flight:**

Bo Hvidberg (DK), Erik S. Hvidberg (DK) and Niels S. Hvidberg (DK) from SFJ to NEEM by 109th.

**2<sup>nd</sup>. Flight:**

Erik S. Hvidberg (DK), Niels S. Hvidberg (DK) from NEEM to SFJ by 109th.

**July 19** Jørgen-Peder Steffensen (DK), Peter Ditlevsen (DK), Lisbeth Nielsen (DK), Anne Katrine Faber (DK), Alexandra Messerli (CH), Bo S. Madsen (DK), Myriam Guillevic (F) from CPH to SFJ by Airgreenland.

**1<sup>st</sup>. Flight:**

Marisa LaRouche (US), Alexandra Schmidt (US), Shelly Hynes (US), Lynn Reed (US), Peter West (US), Kaitlin Keegan (US), Nivi Rosing (GRL), Cecilia Olsen-Heilmann (GRL), Aggu Erik Wæver Broberg (GRL), Malou Papis (GRL), Lisbeth Susanne Gliese Mathiesen (DK), Cecilie Sand Nørholm (DK), Fie Thorup Hansen (DK), Charlotte Kjær Madsen (DK), Torben Benoni (DK), Robbie Score (US), Louise Albershardt (US) from SFJ to NEEM by 109th.  
Dean Childs (US) NEEM to SFJ by 109<sup>th</sup> NYANG.

**2<sup>nd</sup>. Flight:**

Bo Hvidberg (DK) from NEEM to SFJ by 109th.

**July 20** Peter Ditlevsen (DK), Lisbeth Nielsen (DK), Anne Katrine Faber (DK), Alexandra Messerli (CH), Bo S. Madsen (DK), Myriam Guillevic (F) from SFJ to NEEM by 109th.

Alejendra Borunda (US), Rune Gjermundbo (DK), Helle Astrid Kjær (DK), Paul Vallelonga (DK), Allan Shi (US), Marisa LaRouche (US), Alexandra Schmidt (US), Shelly Hynes (US), Lynn Reed (US), Peter West (US), Nivi Rosing (GRL), Cecilia Olsen-Heilmann (GRL), Aggu Erik Wæver Broberg (GRL), Malou Papis (GRL), Lisbeth Susanne Gliese Mathiesen (DK), Cecilie Sand Nørholm (DK), Fie Thorup Hansen (DK), Charlotte Kjær Madsen (DK), Torben Benoni (DK), Robbie Score (US), from NEEM to SFJ by 109th.

**July 22** Trine Dahl-Jensen (DK), Bryn P. Hubbard (UK) from NEEM to SFJ by 109th.

Alejendra Borunda (US) from SFJ to Schenectady by 109  
Rune Gjermundbo (DK), Helle Astrid Kjær (DK), Paul Vallelonga (DK), Christine Hvidberg (DK), Bo Hvidberg (DK) from SFJ to CPH by AirGreenland.

### **Movement of cargo:**

**July 16** 16.5 kg hydraulic cylinder for Pistenbully from Kässbohrer, Germany to SFJ by AirGreenland.

**July 17** 3266 lbs, Food, scientific equipment, generator from SJF to NEEM.  
7300 lbs, Carpenter equipment, camp gear, NEGIS retro cargo and personal gear from NEEM to SFJ.  
Received 3654 l of fuel from Skier 21.

**July 18** **1<sup>st</sup>. Flight:**  
7200 lbs, German sledge from SFJ to NEEM.  
6500 lbs, NEGIS retro cargo, 2 heaters, red dome, sauna garage and white balloon from NEEM to SJF.  
**2<sup>nd</sup>. Flight:**  
6600 lbs, German sledge from SJF to NEEM.  
6500 lbs, Garbage and NEGIS retro cargo, camp gear from NEEM to SFJ.

**July 19** **1<sup>st</sup>. Flight:**  
1075 lbs, Fresh food, S & E personal gear from SFJ to NEEM.  
3000 lbs retro cargo, NEEM to SFJ.  
**2<sup>nd</sup>. Flight:**  
6000 lbs, German sledge from SFJ to NEEM.  
4250 lbs NEEM retro cargo, 2 x snowmobiles, NEEM to SFJ.

**July 20** 1180 lbs, Zarges boxes, food from SFJ to NEEM.  
3000 lbs, Drill boxes, ice core boxes, scientific equipment retro from NEEM to SFJ.

355 kg of general cargo, electronic devices and polar gear (14 colli) sent to AWI, Bremerhaven by AirGreenland (AWB 631-2661-5923). 702 kg of science equipment (13 colli) sent to CIC, Copenhagen by AirGreenland (AWB 631-0187-0945).

2 boxes (Daniel Steinhage) handed in to Blue Water Shipping (Chris Sørensen) to be sent by ship August 4, 2012.

**July 22** 9500 lbs, deep drill winch, Center tower section with linear motors, Hans Tausen drill from NEEM to SFJ.

#### **Activities:**

Packing down of camp is one of the main activities in camp. By mid-week the cable between the drill and the winch was cut and the drill tower was disassembled. The big heavy winch and the central part of the drill tower with the linear motors were pulled out of the trench by the Pistenbully and sent out of camp at the end of the week. Garbage and empty drums were put on pallets and sent out of camp.

Receiving extra Skiers, due to training activities, and maintenance of skiway were another two main non-scientific activities all during the week. Received three big German sledges. The first two casing tubes were placed in the drill trench. On July 19 and July 20 NEEM was hosting a visit from group of Greenlandic, U.S. and Danish students under the NSF Science and Education Program.

#### **Science:**

Finalized melting of samples.

Air sampling program.

Several pit studies and drilling of a 4.5 m deep ice core with the hand auger to observe the melt layers.

Set up logger outside drill trench roof.

Optical logging of borehole finalized.

Made a 10 meter long double trench with the snowblower to study the melt layers.

#### **Drilling:**

Basal drilling with rock drill and Hans Tausen drill. Recovered a mixture of sediments and ice and recovered the stone that had stopped the drilling in 2010 and 2011. All drilling stopped mid-week for immediate packing down.

#### **Associated programs:**

Monitoring of GEUS seismic system in the science trench. The data recovery was very high – over 95% and the quality excellent both in the borehole and on the accompanying surface sensor. The GEUS seismic station is now packed and sent out.

Maintenance of the GLISN seismic station: The station is maintained and operational.

#### **Weather at NEEM:**

The warm and humid weather at NEEM finally cleared in the beginning of the week. Temperatures between -12C to -0,5C. Wind speeds at 0- 15 from all directions but mostly from SSE. Start of week blue sky. Mid week and end overcast and snow.

**NEEM camp population:** between 8 (beginning of week) and 29 (during S&E visit).

**NEEM iridium numbers:**

Primary no.: +8816 777 15686

Second no: +8816 414 39863

:Field leader night: + 8816 214 64 908

**Kangerlussuaq:**

The FOM office has been very busy all week planning flights to NEEM. The 109ths have used NEEM as a training site all week, because Raven and Summit were not available for training. Received crew from NEEM and sent crew to NEEM. Received and organized cargo from NEEM. Sent cargo to Europe, and organized cargo in and around the warehouse.

Tel.: +299 84 11 51

Mobile: +299 52 41 25

Kangerlussuaq/SFJ iridium number: +8816 214 42402

**Weather in Kangerlussuaq/SFJ:**

Sunny and clear most week. Day temperatures 20-25 C, night temperatures 15 C. Almost no mosquitoes. Sunday change in weather with low clouds and rain.

*NEEM Field Operations office,  
Christine Hvidberg & Lone Holm Hansen*