

## **NEEM - SITREP no. 15, Sunday 1 August 2010**

This SITREP covers the period July 26- August 1, 2010 (inclusive).

### **Movement of personnel:**

- July 26** Jean Jouzel (F) and Bryn Hubbard (UK) from CPH to SFJ by Air Greenland.
- Jakob Schwander (CH) from SFJ to CPH by Air Greenland.
- Dan Pasteris (US) from SFJ to Schenectady by 109<sup>th</sup>.
- July 27** Christine Hvidberg (DK-FOM) and Bo Hvidberg (DK-FOM) from SFJ to CPH by Air Greenland.
- Tanner Kuhl(US), Heather Andres(CAN) and James Zheng(CAN) from Schenectady to SFJ by 109<sup>th</sup>
- Lars Berg Larsen(DK) and Trevor Popp(DK) from CPH to SFJ by Air Greenland.
- July 28** Anne Marie Berggren (S), Jean Jouzel (F), Bryn Hubbard (UK), Tanner Kuhl(US), Heather Andres(CAN), James Zheng(CAN), Lars Berg Larsen(DK), Trevor Popp(DK), Renee Crain(US), Mike McKibben(US), Morten Thrane Leth(GRL), Rhett Butler(US), Rune Steffensen(DK), Svend Steffensen(DK), Gorm Steffensen(DK), Nanna Steffensen(DK), Eric Copeland(US), Jay Burnside(US), Monte Ingram(US), Scott Klandic(US), Randy Olsen(US), Dane Terry(US), John McIntyre Jr(US-109<sup>th</sup>), Timothy De Ver Dye(US-109<sup>th</sup>), Wesley Ralph Pope(US-109<sup>th</sup>), Roberto J.C.Gonzalez-Homs(US-109<sup>th</sup>), Fred W.Baker III(US-109<sup>th</sup>), Joseph Christopher Donahue(US-109<sup>th</sup>), Mannie Garcia(US-109<sup>th</sup>),Melanie Conner(US-109<sup>th</sup>) and Maj. Robert Bullock (US-109<sup>th</sup>) to NEEM from SFJ by 109<sup>th</sup>.
- July 28** Daiana Leuenberger(CH), Gideon Gfeller(CH), Anders Svensson(DK), JiWoong Chung(COR), Sebastian Bjerregaard(DK), Julia Rosen(US), Anna Wegner(D), Nerilie Jane Abram(UK), Paul Vallelonga(DK), Martin Skrydstrup(DK), Olivier Alemany(F), Fernando Valero Delgado(D), Corentin Reutenauer(DK), Gerko van der Wel(NL), Kenji Kawamura(J), David Balslev-Clausen(DK), Jerome Chappellaz(F), Jim White(US), Lucia Sala Simeon(F), David B. Stroud(US), Robert Freeland(US), Danny Ernest Satterfield(US), Renee Crain(US), Mike McKibben(US), Morten Thrane Leth(GRL), Rhett Butler(US), Rune Steffensen(DK), Svend Steffensen(DK), Gorm Steffensen(DK), Nanna Steffensen(DK), Trine Schmidt Jensen(DK), Eric Copeland(US), Jay Burnside(US), Monte Ingram(US), Scott Klandic(US), Randy Olsen(US), Dane Terry(US), John McIntyre Jr(US-109<sup>th</sup>), Timothy De Ver Dye(US-109<sup>th</sup>), Wesley Ralph Pope(US-109<sup>th</sup>), Roberto J.C.Gonzalez-Homs(US-109<sup>th</sup>), Fred W.Baker III(US-109<sup>th</sup>),

Joseph Christopher Donahue(US-109<sup>th</sup>), Mannie Garcia(US-109<sup>th</sup>),Melanie Conner(US-109<sup>th</sup>) and Maj. Robert Bullock (US-109<sup>th</sup>) from NEEM to SFJ by 109<sup>th</sup>

**July 30** Julia Rosen(US), Jim White(US), David B. Stroud(US), Robert Freeland(US)and Danny Ernest Satterfield(US) from SFJ to Schenectady by 109<sup>th</sup>

Daiana Leuenberger(CH), Gideon Gfeller(CH), Anders Svensson(DK), JiWoong Chung(COR), Sebastian Bjerregaard(DK), Julia Rosen(US), Anna Wegner(D), Nerilie Jane Abram(UK), Paul Vallelonga(DK), Martin Skrydstrup(DK), Olivier Alemany(F), Fernando Valero Delgado(D), Corentin Reutenauer(DK), Gerko van der Wel(NL), David Balslev-Clausen(DK) and Jerome Chappellaz(F) from SFJ to CPH by Air Greenland

**Aug 1** Kenji Kawamura(J) from SFJ to CPH by 109<sup>th</sup>

#### **Movement of cargo:**

**July 28** 5010 kg NZ drill, scientific equipment, food, DK-winch and 1590 kg fuel from SFJ to NEEM by 109<sup>th</sup>.  
9100 kg fuel from Thule AB to NEEM by 109<sup>th</sup>.  
3640 kg U.S. ice core samples, ice cores and scientific equipment from NEEM to SFJ by 109<sup>th</sup>.

#### **Camp activities:**

This week work has switched from deep drilling to processing of brittle core and shallow ice core drilling. Also, during the last crew exchange of the season, camp staff has been reduced as the CFA team and several drillers left camp. Processing of brittle ice continues, and processers now also log the shallow cores. The last crew exchange was combined with a much needed fuel flight to Thule and visits by NSF representatives and 109<sup>th</sup> press people. Against many odds, the 109<sup>th</sup> managed to fly to camp with a very full plane and getting airborne with a record load of more than 20,000 lbs including several pallets of ice cores. Camp has now fuel to continue until pull out. In the drill trench, drillers are cleaning up and packing down. The testing of the New Zealand intermediate drill, a Danish intermediate winch and a Swiss elevated tower began.

#### **Skiway:**

Skiway was groomed Saturday.

#### **Drilling:**

Deep drilling reached a record low in weekly production: 0.10 m, as the last core of 0.10 m was drilled Monday. As no more penetration could be obtained, and as the electronics section shortened at the bottom (most likely due to water glycol in the drill liquid), termination of NEEM drilling at bedrock was declared Tuesday. Deep drilling is now terminated.

This week production: 0.10 m.

Driller's depth: 2522.08 m, final depth

Logging depth: 2537.35 m, final depth

**Science trench:**

Brittle ice processing continues, and this is time consuming as processors are working in the worst quality ice. It takes time to ensure the integrity of the ice core by keeping all pieces of the puzzle in place. Processing of shallow cores in-between constitute a welcome break in the tedium of brittle zone processing.

Brittle ice processing production this week (ECM, DEP, Cutting): 81.40 m  
Processing depth: 961.40 m

Drill trench: -15C  
Connecting tunnel: -19C  
Core buffer: -20C  
Science trench: -15C  
Ice cave: -24C

**Associated programs:**

With the arrival of the delayed NZ equipment on Wednesday, the NZ crew is now busy setting up their 4" intermediate drill for field testing.

The DK-3" shallow drill has been drilling hole 2010 S2 to 100.14 m

Work on assembling the new DK intermediate winch and Swiss elevated tower.

Work on readying the U.K. logger for the deep hole. The U.K. logger uses it's own winch with a cable length of 600 m.

**NEEM iridium numbers:**

Primary no.: +8816 224 34860

Secondary no.: +8816 414 39 863

**Weather at NEEM:**

It has been a week stable weather at NEEM: Sunshine and a clear blue sky with ground fog in the night. Daytime temperatures between -3C and -6C, and night temperatures between -12C and -20C.

**NEEM camp population: 23**

**Kangerlussuaq activities:**

A busy week with handling a major crew exchange. Luckily, the flight planned for Wednesday did occur on that day (almost a first time this season), and everybody could arrive and leave Kangerlussuaq on time. Our freezer is full of ice, and the first shipment to Europe of 54 boxes is due Monday at Noon. 12 boxes of gas samples are stored in a freezer run by CPS at -26 C. This ice will go separately Tuesday Noon. The U.S. CFA equipment has already been shipped to the U.S. All other cargo is collected in the warehouse awaiting shipment at the end of the season.

**Weather in Kangerlussuaq/SFJ:**

Some showers but mostly sunny; but quite windy. Day temperatures between 8C and 15C. Mosquitoes are gone. Many mushrooms and blue berries.

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