

## **NEEM - SITREP no. 12, Sunday 11 July 2010**

This SITREP covers the period July 5- July 11, 2010 (inclusive).

### **Movement of personnel:**

**July 5** Christine Hvidberg (DK), Bo Hvidberg (DK) from CPH to SFJ by Air Greenland.

**July 10** Henning Thing (DK) from SFJ to CPH by Air Greenland.

### **Movement of cargo:**

**July 5** 1842 kg (4057 lbs) frozen ice core in 39 boxes from SFJ to CPH by Air Greenland.

**July 8** 108 kg (3 colli) from SFJ to UCPH by Air Greenland. 88 kg (3 kolli) from SFJ to IMAU by Air Greenland.

### **Camp activities:**

This week the camp has returned to working in normal routine again after the exchange of personnel last week. Drilling has continued with a steady production at almost 10 meter per day, processing caught up with the drilling on Monday, and the rest of the week has been dedicated to processing of the brittle ice that was drilled last year. CFA has proceeded with good progress. A science meeting was held in camp to present and compare preliminary data, but it is still too early to draw conclusions on the new data. Friday night the antenna at the main dome broke, but it was replaced by the back-up antenna, and the camp communication line is now up again.

### **Skiway:**

No work on skiway this week.

### **Drilling:**

The drilling started out Monday with a production of 14 m and 3 meter long cores, but through the week it has generally been difficult to produce long ice cores, and the drilling has been slowing down. Saturday drilling went very well again. Sunday evening the drill got stuck at the bottom of the borehole. 2.3 kg of frozen glycol was put down the borehole and the drill was free after 2 hours and 30 minutes.

This week production: 71.35 m

Driller's depth: 2420.95 m

Logging depth: 2437.73m

### **Science trench:**

The ice core processing caught up with the drilling last Monday, and from Tuesday, the rest of the week has been used to process the brittle ice that was drilled last year, and has been kept over winter in the core buffer. The brittle ice has many breaks that limit some of the measurements. The ice might not be suited for the CFA measurements to be performed at NEEM next year. The processing of the brittle ice has proceeded very efficiently with 20-25 meters per day.

CFA production this week: 121 m  
CFA depth: 2072.95m

Processing production this week (ECM, DEP, Cutting): 156.2 m  
Processing depth: 2336.95-2372.15m and 655.05- 775.50m

Drill trench: -14C  
Connecting tunnel: -18C  
Core buffer: -21C  
Science trench: -15C  
Ice cave: -23C

**Associated programs:**

No work on associated programs.

**NEEM iridium numbers:**

Primary no.: +8816 224 34860  
Secondary no.: +8816 414 39 863

**Weather at NEEM:**

It has been a week with great weather at NEEM: stable cold temperatures, sunshine and a clear blue sky. Daytime temperatures between -5C and -6C, and night temperatures between -15C and -17C.

**NEEM camp population: 32**

**Kangerlussuaq activities:**

Monday ice core boxes were shipped to Denmark by Air Greenland. The cars are being serviced in order to be ready for the next flight period with DV visit. Sleeping bags and polar equipment has been cleaned. We have relocated cargo in the warehouse and started preparation of pallets for next flight period. We have started preparing the DV visit and compiling orders from camp of supplies. We have had an exchange of personnel in the FOM office during the week.

**Weather in Kangerlussuaq/SFJ:**

A nice and sunny week with day temperatures around 15C. Sometimes a few clouds coming in, but no rain. Mosquitos are still around, but relatively low.

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