

TO NEEM STEERING COMMITTEE MEMBERS, DANISH AND GREENLANDIC AUTHORITIES.

PROJECT NEEM (C-12-5) – SITuation REPort (SITREP) no.09, Sunday 8. July 2012.

This SITREP covers the period July 2 – July 8, 2012 (inclusive).

Movement of personnel:

July 3 Christine Hvidberg (DK) and Bo Hvidberg (DK) from CPH to Kangerlussuaq by AirGreenland.

July 4 Martin Leonhardt (D), Trevor Popp (DK) and Steffen Bo Hansen (DK) from Kangerlussuaq to CPH by AirGreenland.

July 5 Bo Vinther (DK) from Kangerlussuaq to CPH by AirGreenland.

July 6 Sepp Kipfstuhl (D) from Kangerlussuaq to CPH by AirGreenland.

Movement of cargo:

No movement of cargo.

Activities:

The packing down of NEEM camp has continued through the week. The carpenters garage has been sorted and packed. The carpenters garage is now emptied and snow and ice has been removed around it. 25 zarges boxes have been packed and documented to be stored on a NEEM traverse sledge. 15 boxes were packed for retro to Kangerlussuaq. The sauna garage is packed and palletized for retro to Kangerlussuaq. Science boxes have been sorted, and a small collection of plastic bags and science tools will be stored in the Main Dome for future use. Snow has been removed around the drill trench roof to the depth of the “submarine” window, 5m below the present surface. A new documentation software for the NEEM 2012 documentation has been prepared. It contains one line of overview information per box, a text file for each box describing the detailed content, and a jpeg file with a picture of the box.

Tenches to the drill trench and the balloon trench have been opened. Small tents have been checked and documented. Sorted and packed food. Repair of shock absorbers in one of the skidoos and oil shift on Pistenbully. Unpacked casing tubes from a sledge, and stored casing tubes in the drill trench in preparation of extending the bore hole to the present surface.

Science:

Sunday to Tuesdays the 2.2 m pit 2km from camp (position: N77.42067, W51.12614, elevation 2451m) was sampled.. From University of Copenhagen, measurements for light absorption, sampling for major ions, phosphate and organic acids (pyruvic acid) and stable water isotopes have been done in the 2.2 m deep pit and temperature measurements in the top 70 cm have been made. From Lamont-Doherty University, 10 40kg samples have been taken to melt and filter for ³He and interplanetary dust particles and 20 1l samples have been taken for organic geochemistry. From National Institute of Polar Research, the density has been measured and samples taken for ions, metals and physical properties and temperatures in the 2.2 m deep

snow pit have also been measured. The air aerosol sampling and the measurements of the stable water isotopes in the vapour successfully continues.

Drilling:

The following shallow coring sites were visited with AWI Basler POLAR6 operating out of SFJ: South Dome (position: 63.52593°N, 44.58119°W), Monday/Tuesday night. Core drilled to 49 m depth.

Associated programs:

The NEGIS team has been working from the camp at the NEGIS site (75 37.61 N, 35 56.49W) all week. During the week, a full seismic profile across the North East Greenland Ice Stream was accomplished. GPS stations have been recovered and packed. The camp is packing down and preparing for pull out on Monday.

Weather at NEEM:

The week started with sunny conditions and night temperatures of -16C, and day temperatures of -8C, wind 5-15 from S an SE. Weather changed during Wednesday to cloudy and Thursday and Friday overcast with light snow and night temperatures -9C and day temperatures -3C, wind 3-13 kn from S. Friday evening the weather cleared and cooled to night temperatures of -15C. Saturday afternoon again cloudy, winds 1-9 kn turning to NW. Sunday sunny conditions with temperatures -15 - -4C.

NEEM camp population: 8

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 South Dome Monday evening. Changing personnel in the FOM office. Packing and arranging AWI cargo. Cleaned and sorted polar equipment .

Tel.: +299 84 11 51

Mobile: +299 52 41 25

Kangerlussuaq/SFJ iridium number: +8816 214 42402

Weather in Kangerlussuaq/SFJ:

Cloudy conditions most week with periods of sunshine now and then. Day temperatures +10 - +15C. Mosquitoes level medium.

NEEM Field Operations office,

Christine Hvidberg

Bo Hvidberg