

TO EGRIP STEERING COMMITTEE MEMBERS, DANISH AND GREENLANDIC AUTHORITIES.

PROJECT EGRIP (C-16-5) – SITUATION REPORT (SITREP) no.06, Sunday 29th May 2016.

This SITREP covers the period 23rd May– 29th May, 2016 (inclusive).

Movement of personnel:

- May 26rd** From Copenhagen (CPH) to Kangerlussuaq (SFJ) by air Greenland -Lars Berg Larsen.
- May 25th-27th** From EGRIP to Kangerlussuaq (SFJ) by Twin Otter - Hans Christian Florian (GRL).
- May 28th** From Kangerlussuaq (SFJ) to Kulusuk by Twin Otter - - Hans Christian Florian (GRL).

Movement of cargo:

- May 23rd** Newburgh AB (USA) to Kangerlussuaq (SFJ) by USAF 105th C-17, 1800 kg, new 12x20 WeatherPort, cargo straps and PopUp tents.
- May 23rd** From Berne Switzerland (BRN) to Kangerlussuaq (SFJ) by Air Greenland: (AWB 117-8974 8735), 17 colli, 1024 kg, Bern(CH), Drill equipment.
- May 26th** From Copenhagen (CPH) to Kangerlussuaq (SFJ) by air Greenland: 368 kg drill equipment

Camp activities:

This week mayor focus was the construction of the drill trench and access ramp. The balloons were again kept pressurized for three days before they were deflated and pulled out. The construction of the science and drill trenches including connecting tunnels and ice core buffer are now completed. First excavation began May 8 and the whole structure was completed in two tempi 18 days later.

In the beginning of the week the Twin Otter with the PARCA project arrived and EGRIP was the hub for three days while the team maintained a series of automatic weather stations on the ice in Northern Greenland. The PARCA AWS at EGRIP was moved in to an area 300 m from the EGRIP.

Meanwhile maintenance on the main generator was carried out after an engine stop and new oil pressure sensors installed.

All balloon equipment was packed away and work installing cables and equipment in the trenches has begun.

Science activities:

AWI studies:

- 1) This week, the construction of two orthogonal trenches with a length of 50 meters each for solely scientific purposes has begun. Here, the top meter has already been sampled using carbon fiber tubes at a spatial resolution of 5 m. In addition, half of the snow cores taken from the science trench were measured in the DEP (dielectric profiling) and cut for water isotope sampling. The other half has been packed and safely stored in the science trench for transport back to Europe.
- 2) The machine-based excavation of the trenches for scientific snow studies has been terminated at a depth of 4 meters. Using the help of a shovel, the top 5 meters were probed and the samples packed for transport to Europe and stored in the balloon trenches. In addition, the surface snow was sampled at a spatial resolution of one meter and its specific surface area (SSA) measured using an IceCube device.

Data from EGRIP and NEEM PARCA AWS downloaded. A copy was obtained by EGRIP Field Leader.

EGRIP Camp Population: 9 people.

EGRIP iridium numbers:

+8816 777 37835 (Camp, primary number)

+8816 234 93272 (secondary)

Weather at EGRIP:

In the beginning sunny and blue sky, cold temperatures -16C to -32C. In the weekend the nice weather deteriorated low pressure and snowstorm. Wind up to 14 m/s. Sunday, the weather improved again.

Kangerlussuaq activities:

Receiving and repairing cargo for coming EGRIP flight next week

Weather in Kangerlussuaq/SFJ: First part of the week cloudy, cold and light snow. Last part of the week sunny and cloud free. Temperature from -5C to +15C
23 mosquitos counted Sunday May 29.

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