

## TO EGRIP STEERING COMMITTEE MEMBERS, DANISH AND GREENLANDIC AUTHORITIES.

### Expedition Permit C-18-5 EGRIP – SITUATION REPORT (SITREP) no.04, Sunday 20. May 2018

This SITREP covers the period May 14 – May 20, 2018 (inclusive).

#### Movement of personnel:

- 14. May** Bruce Vaughn (US), Valerie Morris (US), Richard Nunn (US) Copenhagen (CPH) to Kangerlussuaq (SFJ) by Air Greenland.
- 14. May** Lydia Helms (GRL) Nuuk to Kangerlussuaq (SFJ) by Air Greenland
- 15. May** Jens Jacob Simonsen (GRL) Nuuk to Kangerlussuaq (SFJ) by Air Greenland
- 15. May** Steffen Bo Hansen (DK), Bent Neumann Jensen (DK), Eliza Cook (DK/UK), Ilka Weikusat (D) Copenhagen (CPH) to Kangerlussuaq (SFJ) by Air Greenland
- 16. May** Tobias Binder (D), John Paden (US), from Kangerlussuaq (SFJ) to CPH
- 16. May** Hans Chr. Florian (GRL) from Kangerlussuaq (SFJ) to Nuuk
- 16. May** Karl Emil Nielsen (DK), Bruno Stocker (CH) from Kangerlussuaq (SFJ) to Copenhagen (CPH)
- 17. May** Bruce Vaughn (US), Valerie Morris (US), Richard Nunn (US), Lydia Helms (GRL), Steffen Bo Hansen (DK), Bent Neumann Jensen (DK), Eliza Cook (DK/UK), Ilka Weikusat (D) and Jens Jakob Simonsen (GRL) from Kangerlussuaq (SFJ) to EGRIP by 109<sup>th</sup>
- 19. May** Damiano della Lunga (I) Copenhagen (CPH) to Kangerlussuaq (SFJ) by Air Greenland.
- 19. May** Bill Houghton (CAN), Geogre Barrett (CA), Erik Prager (CAN) and Lucas Kandora (D) from EGRIP to Kangerlussuaq by Basler.

#### Movement of cargo:

##### 14. May – SFJ Air Greenland:

- (AWB 631-2744-8805) / 1 cll / 25 kg / Hollow shaft
- (AWB 117 – 68343192) / 1 cll / 20 kg / Sample bags for PP-ice core
- (AWB 631-2744 8794) / 1 cll / 898 kg / Dry and refrigerated Food
- (AWI 631-2744 8960) 1 cll / 66 kg / Drill equipment
- (AWI 631 – 2744 8982) 1 cll / 96 kg / Frozen food
- (AWI 631 – 2744 9321) 3 cll / 708 kg / Food
- (AWI 631 – 2744 9332) 1 cll / 140 kg / Frozen food

**17. May- SFJ to EastGRIP by 109<sup>th</sup>** / 5027 kg Cargo / 2xAF pallet + loose load (drill equipment, INSTAAR equipment)

**17. May EastGRIP to SFJ by 109<sup>th</sup>** One pallet with empty drums, one drum of waste oil, old shelf system and two Zarges boxes. Total 1,100 kg.

#### EGRIP camp activities:

This past week all overwintering equipment has been excavated and all vehicles activated. The freezer system in logging cabin is now installed and running. Repairs on our Nansen sleds is under way. The skiway, taxiway and apron has been groomed many times due to traffic of Polar 6. Camp staff has supported Polar

6 with fuel, weather and radio communications. One weatherport was built and only two weatherports are remaining to be built. Throughout the week, our internet connection has been unstable. Our engineer has spent a lot of time troubleshooting. As weather permitted, the elevator shaft and stairwell have been extended to present surface. Doppler radar is installed and running. All electrical installations in camp have been checked and revised. We built separation wall in logger cabin tunnel. Several doorways in trenches have been cut to proper height. Camp received one LC-130 flight on Thursday

### **Drilling:**

After all modifications to the drill trench were completed, the drillers have filtered the hole. Two drill motor sections are working. Extension of inclined trench is completed. Core extraction table has been extended. Drillers are now in the process of unwinding cable for re-winding on winch drum with proper tension.

### **Science:**

Polar 6 has flown four 3 hour missions in the past week. Polar 6 flew to Kangerlussuaq Saturday morning. Logging of 2017 ice cores is completed. Official length of 2017 ice core: 904.88 m. During the week there has been surface snow sampling, water vapour sampling and setting up of isotope laboratory and physical properties laboratory.

**EGRIP Camp Population:** 23

### **EGRIP iridium numbers:**

Primary no.: +8816 7776 2837	Iridium Open port, field leader
Secondary no.: +8816 7776 2838	Common phone, main dome
Third no.: +8816 7776 2839	Handheld satellite phone

Link to webcam and weather station: <http://alice.egrip.camp/>

### **Weather at EGRIP:**

Mostly fine with some clouds and snow showers Tuesday and Wednesday. Temperatures between -14 C and -30 C. Winds have been moderate with less than 6 m/s most of the time.

### **Kangerlussuaq activities:**

Building pallets for the May 16<sup>th</sup> flight. Incoming cargo from the US was delayed. As this cargo is crucial for the science we decided to postpone the flight to camp by one day. Luckily, this shift was possible. ACL at 13000 lb. Arial Port had to build a T2 for our loose cargo, this was unexpected and delayed the take off by a good hour. Report from the pilots does not allow lifting the ACL.

Preparation of cargo for the 22<sup>nd</sup> of May. All food has been repacked into AWI boxes.

AWI Basler arrived on May 19<sup>th</sup>. Crew is removing skis. Departure planned for early next week.

### **Weather in Kangerlussuaq/SFJ:**

Generally higher temperatures during day and night hours. Still some snow covering the ground. Variable weather with light snowfall and overcast, but mostly increasing warmer

days with blue sky and higher temperatures which has melted the snow a lot within few days. The temperatures are between +12C to -4C.

**The EGRIP FOM office:**

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