

Report – field campaign spring 2012 - climatology team

(May 12th – June 02th)

Participants on the spring 2011 field campaign:

- Roman Finkelburg, TU Berlin
- Albert Polze, TU Berlin
- Marco Möller, RWTH Aachen University
- Lars Schneider, RWTH Aachen University

Associated colleagues:

- Dieter Scherer, TU Berlin
- Christoph Schneider, RWTH Aachen University

Logistic support:

- Jon Ove Hagen, University of Oslo

Objectives:

- Investigation of mass and energy balance of Vestfonna and De Geerfonna
- Meteorological measurements
- Assessment of spatial variability in local and regional climate setting
- Documentation and analysis of snow stratigraphy
- Preparation for future assessment of ice dynamic information

Conducted fieldwork:

- Gathering data from two automatic weather stations (De Geerfonna ~240 m asl; NW ramp of Vestfonna ~370 m asl)
- Metering ablation stake networks on Vestfonna and De Geerfonna
- Dismounting of: the two weather stations, the remains of one automatic weather station of Vestfonna ~240 m asl, ablation stake network
- Digging of a snow pit at the AWS site on De Geerfonna and Vestfonna (Temperature, snow density, grain size and grain type, snow stratigraphy)
- Clearing De Geerfonna and Vestfonna of all remains and human traces/ impact

LOG of activities:

Date	Workings	Weather	Site
09.05.2012	Arrival in LYR	sunny, cloudy in the afternoon	LYR
10.05.2012	Preparing field campaign	cloudy	LYR
11.05.2012	Preparing field campaign	partly cloudy, in the afternoon cloudy	LYR
12.05.2012	Preparing field campaign	snow	LYR
13.05.2012	Preparing field campaign	partly cloudy, in the afternoon cloudy windy	LYR
14.05.2012	Heli flight to Jon Ove's station at Oxfordhalvøya; preparation of Camp	partly cloudy	LYR/ Oxfordhalvøya
15.05.2012	Remaining in Camp bc. of injured participant; repairing snow scooter	windy, cloudy, strong wind in the afternoon, no wind in the evening	Oxfordhalvøya
16.05.2012	Preparing sledges for trip to Vestfonna	sunny, no wind	Oxfordhalvøya
17.05.2012	Trip to VF-AWS370; setting up basecamp	cloudy no wind at Oxfordhalvøya, sunny, heavy snow drift at Vestfonna	Oxfordhalvøya/ Vestfonna
18.05.2012	Recovering; Measuring and gathering data of VF-AWS370; dismounting VF-AWS370; dismounting ablation stakes	cloudy, light wind	Vestfonna
19.05.2012	Finishing dismount of VF-AWS370; measuring VF-AWS240, starting to dismount VF-AWS240; Dismounting ablation stakes	sunny, no wind in the morning; cloudy/ white-out, windy in the evening	Vestfonna

20.05.2012	Interrupting dismount of VF-AWS240; Recovering; Repairing broken snow scooter; gathering data of DG-AWS, starting to dismount DG-AWS	partly cloudy, light wind	Vestfonna/ De Geerfonna
21.05.2012	Finishing dismount of DG-AWS; Dismounting ablation stakes; Proceed to dismount VF-AWS240	no clouds, cloudy in the afternoon	Vestfonna/ De Geerfonna
22.05.2012	Preparing sledges for trip to Oxfordhalvøya; trip to Oxfordhalvøya; package of sledges; recovering	cloudy at ECS2, white-out until summit of Vestfonna, sunny from summit to Oxfordhalvøya	Vestfonna/ Oxfordhalvøya
23.05.2012	Preparing trip and taking trip to basecamp, dismounting basecamp; preparing and taking trip back to Oxfordhalvøya	cloudy at Oxfordhalvøya; white-out and windy at Vestfonna	Vestfonna/ Oxfordhalvøya
24.05.2012	Trip to former basecamp, towing broken snow scooter back to Oxfordhalvøya	cloudy at Oxfordhalvøya; sunny, snow drift at Vestfonna afternoon; partly cloudy no wind in the evening at Vestfonna	Vestfonna/ Oxfordhalvøya
25.05.2012	Recovering; preparing camp and dismounted stations for storage	cloudy, light wind	Oxfordhalvøya
26.05.2012	Preparing camp; stocktaking of dismounted stations	cloudy, light wind	Oxfordhalvøya
27.05.2012	Recovering	sunny, windy; strong wind, snow drift, in the evening	Oxfordhalvøya
28.05.2012	Waiting for flight back to LYR	snowstorm	Oxfordhalvøya

29.05.2012	Waiting for flight back to LYR	snowstorm	Oxfordhalvøya
30.05.2012	Clearing and leaving camp; flight back to LYR	snowstorm; partly cloudy, strong wind at midday	Oxfordhalvøya
31.05.2012	Clearance, stocktaking	sunny	LYR
01.06.2012	Clearance, stocktaking	cloudy	LYR
02.06.2012	Departure from LYR	cloudy	LYR

Photos:



Trip to Vestfonna (Albert Polze, Roman Finkelburg, Marco Möller)



Building the basecamp (Lars Schneider, Albert Polze)



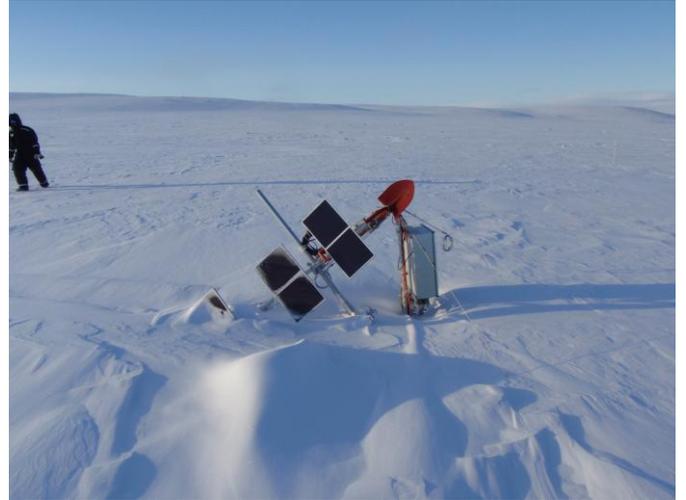
Dismounting VF-AWS370 (Roman Finkelburg)



Dismounting ablation stake at Vestfonna (Lars Schneider)



*Arriving at former VF-AWS240
(Roman Finkelburg)*



Arriving at DG-AWS



Dismounting DG-AWS (Roman Finkelburg)



Dismounting sensors of DG-AWS (Marco Möller)



Scooter repair
(Roman Finkelburg, Lars Schneider)



Vestfonna summit (Marco Möller, Roman Finkelburg, Lars Schneider)



Dismounting the basecamp
(Roman Finkelburg)



Clearing Jan Ove Camp
(Lars Schneider)