

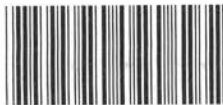
Property of _____

Address _____

Telephone* _____

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815250



30 Apr leaving Sunderland Kou, Simon, Haskin
 1 May CPH - Ranger
 1 May Cargo BS SC - westport
 2 May SF2 - SC - up 50 - CP1
 4 May download 10 m tower
 5 May download JAP1, down 10
 6 May redrilled JAP1
 7 May redrilled SC AWS
 8 May New data logger SC with GPS
 11 May SC snow survey
 14 May leaving SC
 16 May SF2 - JAV - Summit
 16 May EGRIP wiring new AWS
 16 May Summit AWS
 17 May EGRIP new AWS station, NEE E
 18 May Dancog, - Tuna N
 18 May Dancog - NEE - Qanarp
 20 May Qanarp - GITS - Humboldt - Petmann
 21 May GITS
 23 May NASF-4 - Ranger
 24 May S-Dome
 25 May Dye II - saddle - NASF SE
 29 May end of field season

Planned trip to SC

2-5-14

SC $69^{\circ} 33' 32''$ W, $45^{\circ} 21' 10''$ N

CP $69^{\circ} 52' 31.7''$ W, $47^{\circ} 01' 01.9''$ N

up50 $69^{\circ} 44' 40''$ W, $48^{\circ} 09' 03''$ N

2's $69^{\circ} 44.643$ N, $48^{\circ} 09.283$ W

CP 1: Multiplexer was replaced last year

—o maybe replace the CR100 this time

—o maybe replace the GOFs tomorrow as well

Autumn orientation 203° true N. (20/13)

CP1 GOFs: 8030 126E 00:41:10

(most likely multiplexer not working)

2.5.14

Kanger - Juvet Camp

Good weather, left Kanger with 1 load
and all members at 12:20 to SC.

Second load was bring rest of cargo
and two more drums of Hg for
slides.

Arrived around noon at SC, then
up 50 and CP1 with Jay, Simon,
Khang and myself. We will be here
for a 4 hours.

01:45 landed at UP 50

$69^{\circ} 44' 38.5''$ N

$48^{\circ} 05' 14.9''$ W 1625m

CP1

2-5-14

CP1 $69^{\circ} 52' 30.2''$ N 1943

$47^{\circ} 01' 09.8''$ W new coordinates

added to google sheet

• Antenna was off by 50° !

Moved tower by 80° towards west,
now wind direction is towards South
again, also set radiometer.

• Replaced 3 antenna beams.

• Replaced Multiplexer, now all
channels work again (multiplexer was out
for quite some time (years)).

Download via CR1000 only possible.

The memory card was only until 2012,
but all data on logs. Replaced
memory card and should be working
again.

There was no data since 2012 on the
CR1000!

3-5-14

Swiss Camp

Got up around 8am, Camp was
already all functioning since yesterday.
Organised the work tent, and
the gang team got the Shulas out
on runway (2 Gg noon), 6:00 tent
is the Scott tent now, and Hanna
organised the kitchen.

Afternoon solar panels now attached
and strengthened the pole.

Swiss Camp

4-5-14

Download 10m tower

SW in and out good
not red: ok

362 - 31 Jk (Jan 2014) data missing
due to low battery

The rest is ok

Swiss down load all data working

Surface lowing +2.2m to 3.6 = 1.4m

Snow in spring 2013: 108cm

Eis melt: 32cm summer 2013 (?)

4.5.14

Swiss Camp

checked all snow modules,
need spare parts for small snow module
and has shipped snow, take some pix.

All slides work fine with the new fuel.

→ Snow pit with 120 cm new snow,
and through light pictures.

JAR1 trip

5.5.14

Azimuth $\sim 207^\circ$ for GO2 antenna

We will need

ladder, PC, Snow kit, shovel?

Download ok, no net radiometer

Since 5/11/2013 no snow height!
both channels are zero!

Pressure is questionable, but seems ok
⇒ need two new snow height or check
the cables!

Snow pit with 80 cm snow
+ over it 80 cm above snow to first
sleeve, $\Rightarrow \sim 160$ cm above the ice to
first sleeve.

5.5.14

JAR 1

Quick wiring: C3 and C5 green/white
and 12 VOLTs

6.5.14

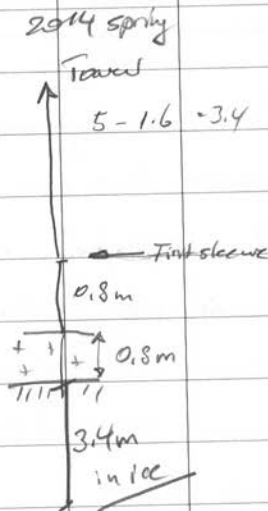
Savies Camp

First windy day but clear and cold
yesterday it was -17°C at JAR 1 in the
afternoon.

Preparing for JAR 1

1 Tower
2013

5m



JAR 1 + down to

6.5.14

- Power cable for battery extension

Since ice surface is going down +
cable connectors to extend

- 2 new sound instruments and two
replacements

- Screw driver, pliers
bells and zip ties

- Replaced the snow height sensors (H₁, H₂)
and both are working again.

- Moved battery box close to pole which
we did not redrill. There are now
3.4 m of pole in the ice.

Down to remove 3 poles and moved
the rope for the battery box to the
main pole

6.5.14

Work left to do10 m tower:

- new class data logger
- Sniz snow heights (2 kubs?)
- GOES transmitter
- Battery box 2x 50 Ah (or 30 Ah?)
- Surface temp. of snow (as Aug?)
- move radiation equipment to tent
- 1 move solar panel?

Work left to do

6.5.14

Ans: • redrill pole, how much is left in the ice?

• check all drains again, maybe load the GOES norm program, and move all the special measurements to 10 m tower.

⊗ → redrill the 10 m thermocouple ice temperature using the snow drill!

Take stock of all the Alu at Sniz

Camp left and move some to

Kager for new tent on GS and in Bhutan.

• Snow Survey with new snow pole

• prepare new programs for Argos stations in the north (GLIS, Humboldt, Petermann, Tunna-10)

6-5-14

SC AWS

Redrilled in 2012 now with
5.5 m into the ice.

• 2013 still 3.5 m in the ice (spring)

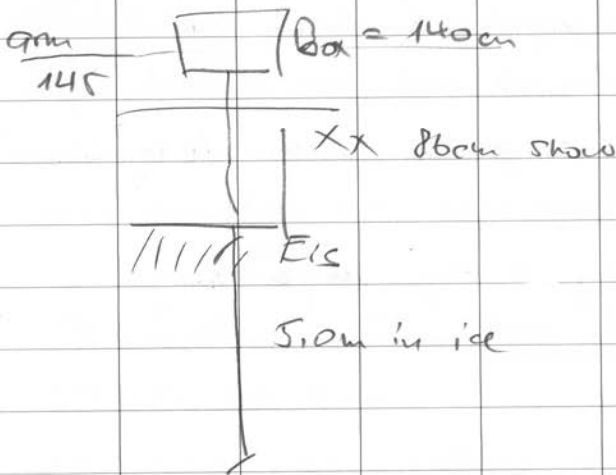
• 2013 Summer melt ~ 40 cm ice

2014 still ~ 3.0 m in ice

Sanic Camp AWS

7.5.14

Redrilled AWS



• 5 m into the ice, 82 cm snow,
Poles (two extensions) 6.5 m to Sleeve,

• Inserted the ice thermocouple cable,
but had to cut the last two sensors.

• Count sensor should be at 6 m!

7-5-14 Scrub Camp

Time table - for future 2 days

leaving as planned Friday 16 May tomorrow

Thursday 15 May may be leaving
if Tim or other can come earlier

Weather still excellent, low wind, -15°C
period ok.

Now we will have all our ticks killed
of scrub camp and surroundings

Scrub Camp

8-5-14

• Shelf in farage installing
for bamboo and smoke gun places

• Finish tower drive with solar panel(s)

"056 496 22 58" Dicker post 12
04:00 SC time

8.5.14 New 10m tower Sunda Camp

orange to C.6

1 SE HUP 1 T1 yellow - white power red/blue

2 SE " T2 "

3 SE " H1 blue

4 SE " H2 "

5 SE water 1 green - white

6 SE water 2 "

EX 2 for both just black of white/black
(old model blue cable)

P1/P2 vs green 1/2 red - black

snow height C3 and C5 are 12V alt

* 7/8 pressure blue - yellow - black, red - 12V

8/10 TC1 blue red

* 11/12 SW 6 red - black - white

* 13/14 SW ↑ " "

* 15/16 red red red - black - ground

New Sunda Camp 10m tower 8.5.14

GOES station

Station # 0

GOES # 8030A 1EP

Time 00:43:40

GOES E = 207 (no correction)

Azimuth ? 207° true north

GOES W = 265 (no correction)

Elevation 14°

CS 500 black - Temp

brown - therm

Green - ground

red - power

clear - shield

2nd sensor

or 10m height

HUP 4r yellow T clear II

white H orange C6

blue H red/blue 12V

1 2 3 4 5 6 7 8
1/2 3/4 5/6 7/8 9/10 11/12 13/14 15/16

9.5.14

Swiss Camp, 10m towerSwiss Camp

9.5

Finished 10m tower with
CR100 data logger, two snow
height sensors and a GOES transmitter
with GPS.

• The GOES transmitter from AWS3

Loran C was re-used.

• 2x 100 Ah battery box (grey) put
in foot of tower.

• Started recording around 1800C
with transmitter.

Also the top crane was put vertical.

Both wind directions need to be
deduced.

We re-scheduled our departure
from Friday 16, Mar to Wednesday
14 Mar. Due to the good weather
and good station, we finished
early this season.

Jay did get the blue fulmar chicks
working again.

- Pulled the two drums of
fuel that were "bad" and
with burner the fuel to melt

10.5.14 Magnetic Variations

coordinates not accurate enough

SC 69.55 N 49.2 W GORE East

Az. 1207 GORE East On map

Swiss Camp mag. declination $\sim \pm 32^\circ$ West

\Rightarrow (Az, with mag correction = 240°)

Use the Garmin Compass, set on true North and for Swiss Camp Azimuth is 207!

Swiss Camp

10.5.14

Downloaded both instrument towers, AWS and to in tower, All under line.

Redirection both our towers to 207 true north. The wire of by 30° .

Redirection wind direction slightly at lower level of AWS, and by 30° at upper level.

Redirection wire direction at lower level at to in tower, upper level is off by 30° !

11.5.14 Swiss Camp Snow Survey

AWS new setting

Box 60 cm to snow

Lower arm 60 cm to snow

Snow: 100, 90, 121, 92 cm

old pole of AWS to junction 263 cm

above the snow

10 m lower

lower arm to snow 150 cm

New box (int changed) 64 cm to snow

Snow: 112, 117, (~~115~~), 120

Swiss Camp

12.5.14

Snow survey analysis

New Box height at 10 m down

New AWS lower as it was redshifted.

2013 snow at AWS: 108.75 cm

2013 10 m lower 94 cm to snow + 150 cm snow
= 244 cm to ice

Snow 2014: 115 cm + 150 cm to snow for
lower arm = 265 cm

$265 - 244 = \boxed{21 \text{ cm ice melt}}$ at 10 m lower

From AWS record.

AWS: 2.02 m to 3.4 m = 1.2 m lowering

Snow at AWS = 108 cm - 120 = $\boxed{12 \text{ cm}}$
ice melt

$\boxed{20 \text{ cm ice melt, 108 cm snow}}$ 2013

862,0833 - 2011 20,666

13.5.14

Swiss Camp

Last day before departure. This season
all went well - and no show storm.

Simon and Derek go back to HP 50
to install new battery cable which
broke yesterday finally their visit replacing
the Trimble instrument and a battery box.

This was a very easy and pleasant season.
Began worked better after the first few days,
not sure what was wrong. Probably the
bill was not paid by WSL in time
and he made a delay after I called
the WSL office (they contacted the
Begin link provider in the US).

Southern Traverse

13.5.14

PreparationNASA SE

Tower was extended in 2013, no xmit
214/15 antenna

check or

Paddleneeds extension

xmit ✓

+ power cable extension 213/16 antenna

Dye II

Tower is high
210/16 antenna

xmit ✓

S-Dome

extended in 2013!

no xmit

but tilted!
213/18 antenna

check or

• aux parts, cleaning

• tripod + parts

• Density kit

(one extension)

• spare battery box + cable

• ladder

13.5.14 Northern Traction Preparation

NASA-U: tower was extended in 2013 no xmit? Hum
Battery box needed? he put new box 2013! Tami-U
Antenna 206/10 \Rightarrow check power on recording Pet

NEEM: no extension needed trigger xmit ✓
Antenna 204/8

Pet: no extension needed # 107284
upload new ARGOS program
remove one pole

Hum: Could use an extension (but could wait one more year!)
upload new ARGOS program
107283

GOES: 8030947A (low 102)
00:42:10 \Rightarrow

Northern Traction Preparation 13.5.14

GITS 107282 } ARGOS transmitter numbers!
107283 }
Tami-U 107285 }
Pet 107284 }

GITS: needs extension 4-5 hour stop

upload new ARGOS program,
needs ARGOS transmitter, new tower arm, wind sensor
maybe new pressure sensor? new radiation grid

Tami-U: no extension needed # 107284
upload new ARGOS program

NASA E: no extension needed ✓ no xmit
Antenna: 226/7 ??

Station 24

EGRIP: new station: 75° 37' 36" N 260m
35° 58' 29" N

2 extend + stroke

all new instruments, GOES:
GOES antenna! ~ 226/7

12.5.14

AWS preparation

Total AWS needed:

- 4 extensions, 4 ^{in kays} screws
- ✓ 3 cross arms - (SC)
- ✓ 1 med vertical arm (top) (SC)
- ✓ 4 plates (SC)
- ✓ 1 radiator arm with mount (SC)
- ✓ 4 u bolts or large screws (SC)

4 from kays

~~1 needed from SC~~
1 none at Swiss Camp!

Swiss Camp

12.5.2014

Leaving tomorrow to kays
call the pilots at 7 am at
+299 24 78 89

There will be 3 loads, two with
trash (5 drums) and shingles, and old iron
piles from old Swiss Camp station.

Flan is scheduled to leave at 8 am.

This is the first season ever that we had no
snow storm, even it is building snow
and might drag overnight(?) by itself

15.5. GPS to be picked up
Petermann GPS Alain ^{Hubert} from list

D: 80.1704°N, 58.6840°W

830m = Elevation

C: 80.4125°N 59.1948°W

400m = Elev.

Leaving Ranger to JAR 16.5.14

Flipped to Ilulissat with Hanne and
a battery box. Hope to fly to Summit
in the afternoon for refueling and
then to EGRIP for a new AWS.

Humbold GPS

79.8081°N, 62.0152°W, 670

All the coast it is cloudy with snow
and low fog. We have a good
chance to get stuck in Ilulissat.

21-25 May - Gucci - to Silvio

079 207 8468

15.5.14 Russell Glacier (Ice day)

We spent one day at Russell Glacier

and at the ice margin. Took several

panoramas from the glacier.

16.5. EGRIP AWS Setting 2014

GOES station 8030947A 03:42:10

Antenna az. ~ 226/7 (needs updating)

↑ moved by one due to phase

Multiplexer

Multiplexer

7/8 (4) SW-in

12V 12V

9/10 (5) SW-out

G G

4/12 ~~not~~ not installed

clock C1

11/12 (6) Te-ar 1

reset C2

13/14 (7) Te-ar 2

Ex Ex 1

AG AG

H1 1H

Lo 1L

AG AG

CR1000 Wiring EGRIP 16.5.

1 SE T1 yellow red = power

2 SE T2 yellow black ground

3 SE H1 blue (orange = C3)

4 SE H2 blue

5 SE W-dir 1 green / white

6 SE W-dir 2 green / white

EX1 for both black of black and white
(old mod. C blue cable)

C3 Snow 1 green / white

C5 Snow 2 green / white

15/16 pressure blue - yellow - black, red = 12V

EX3 pressure green (newer used so far)

P1 v-sp1 red / black

P2 v-sp2 red / black

17.5

RSRU and EGRIP

EGRIP

N

W

Coordinates: $75^{\circ} 35' 35''$ $35^{\circ} 59' 27''$

Height: 2737m

added to google sheet

Conditions: Surface snowdrifts.

We reached about 2 hours reaching the snow pit.

Wind direction, upper level, 2" reading gives the proper value. Lower level was 90° , but wind came from West - 270.

All channels are working, satellite had a high, and value for azimuth was 219° , 7.9 above horizon.

Snow pit, 80 cm snow accumulation

In the morning - looked to the attention for RSRU tower, Cent this piece was no where to find. Maybe it was in the wooden boxes on the cargo line?

Tina also returned to Summit at noon and we left for EGRIP with all the gear. Went to put up a new station for the ice core community.

17.5

Narsa-Eh₀ x m.t.

Coordinates: 75° 00' 05.9" 2642m

added to google sheet

29° 59' 13.3"

check the satellite link and antenna.

My alt value was 226/7.

All channels working, one wind instrument showed quite different values than other.

GOER antenna was pointed 30° around off and into the ground. Redirected antenna and hopefully fixed the transmission.

Lots of rime on the towers.

Snow pit: 54cm accumulation only

Dane bog

17.5

The home of the Sims team and their dogs. Again a most wonderful

evening with low sun. We left

Nars-E around 20:00 and will have

a beautiful view to Dane bog again.

18.5

TUNN-NTUNN-P

18.5

12

Multiplied

Data Logger

314

TH

56

TH

713

wind

Kullu

1 SW

2 SW

3 SW

4 - 13 TC SW

14 TH TC SW

All channels working, backdated the two data tables.

New ARGOS Program. It did not work

first as it was build on the PE AIR SWs which had no multiplexers.

I used the old program and the new ARGOS code in the middle of the program.

All channels showed values, but need to check the ARGOS transmission part again.

We left 2 drums of fuel for tomorrow to cross the ice sheet. Danchoy, Den markshaven, Tunn-P, Viben - Gausag.

18.5

Flight Time - 6 to Denenberg

Again a massive flight over the coastal
region of north-east Greenland with its
big fjords and mountain glaciers. There
is a lot of snow this year.

1400 NORTH Snow Pit 18.5

13 cm	snow	total snow or new snow?
2 cm	hard	
4 cm	hard	
7 cm	hard	layers of wind crust
0.35	snow density	of new snow
33 cm	snow	last yr
1 ft	didite (Hite)	for last year snow

20.5.2014

GITS Ave

Coordinates:

We could not land due to ground fog, could not see the station.
The fog just started 10 km north of GITS. Weather forecast is not good and we could not get us where it we land.

Could not see the station from the air.

Humboldt Ave

20.5.2014

Coordinates: $78^{\circ} 31' 40.2'' \text{N}$, $56^{\circ} 50' 24.0'' \text{W}$ 1963

added to google sheet

Landed 11:30 local

Uploaded new program, downloaded old one.
Will decide on site if we need an extension.

Downloaded old data, 24 channels working.
Uploaded new XRGW program. Lifted instrument box by ~1m.
 \Rightarrow next year needs to be extended. No more room to move the box, upper arm at the top of the pole.

Snow pit: 8 cm accumulation.

Noticed skid tracks without of the tent.

20.5.2014 Tetmann hrs

Coordinates: $80^{\circ}05'42''N$ $58^{\circ}07'28''W$ 31

Verde new ARGUS program

added to google sheet

Uploaded new Arps program

Data downloaded, all working except
wind speed 2 was out (cable broke at
data Arps connection).

Tc air seems too low, and Ref. Temp
seems too low (both -1.8 or -2.0C,
whereas the HMP45 showed -10C?

Maybe Ref. Temp not working properly.

Snow pit: 32 cm accumulation.

The pole did not slide out!

Schedule for Rest of Season

20.5

21 May GITS with stay at Pangnait We ✓

22 May Rest day for pilots at Pangnait Th ✓

23 May Flight to Kangerlussuaq via NARS-Q Fr

24 May Southern traverse 1 Se

25 May Best weather day S

26 May Southern traverse 2 Th

27 packing Kanger Th

28 packing Kanger We

29 Flight to CPH Th

30 Return to ZRH/Miami/Denver Fr

20.5.2014 Flight PET Aves to Glacis Snow

The weather was cloudy and we made it only to our field camp location on the ice and then returned to Domeq. We flew by Hum-birdt Glacier and close to the North Water. Most glaciers showed very large retreat and melt channels.

We had a nice walk again to the icebergs with lots of pictures.

GITS

21.5

2nd attempt to reach GITS. Weather very nice with no clouds anywhere. Satellite image shows only a small patch of clouds over GITS, the rest of the north is clear.

Coordinates: 77° 08' 13.3" 2004m
added to google sheet 61° 03' 30.4"

Downloaded 44 data, worked well. Mounted new wind sensor at Bues level which was missing. Exchanged new pressure sensor and added new ARGUS transmitter.

Several cables were pulled out which could have happened during the snow digging. Temp/Hum 2nd sensor, net radiometer, Bues Snow sensor. All working great with new ARGUS program.
Extended with Sun pole

23.5

NASA-4

Coordinates: 73° 50' 27.1" N 246m

added to google sheet

+90° 31' 14.2" W

Downloaded disk, worked well.

Low SHT sensor was out, replaced.

Pressure was out and not replaced.

Needs new pressure sensor next year.

Transmitter rebooted, GPS found and
data in the buffer, antenna was at
207 azimuth (correct!). Not sure why
x unit stopped earlier in the season.

aws shows only ~ 50cm!

Snow pit 109cm accumulation.

Battery dropped to 8.2V and shut-off,
data logged as well as transmitter.

⇒ needs new battery box in 2015!

This happened already for 3 years!

Back to Kanger

23.5

Hazy clouds along the coast to

Ikulissat due to Kanger, we

made a short stop in JAV to

refuel and just left about one

hour before airport closing in Kanger.

24.5

S-Dome

We had icing conditions in the vicinity,
and delayed the departure until noon.
Still overcast and slight snow in ranges,
but S-Dome should be good.

Antenna: 2/13/18

Coordinates: 63° 08' 56.6" N 200°

added to google sheet

44° 49' 00.4" W

Downloaded data - both sonic heights
were broken, replaced them and all channels
working again.

Antenna was corrected, pointing towards 210
reset the transmitter (cycled the power).

Snow pit: 106 cm accumulationFlight Pye II - Saddle -

25.5

NASA - SE

Departure was delayed by 2 hours
because it found fog at our sites.
We had the airport opened since P-1
and left shortly after noon, with
a first destination to Pye II, which
has good ice according to the
ground personnel there.

25.5

Pye-II

Coordinates: $66^{\circ} 28' 52.4''$ N
 2251m $46^{\circ} 17' 18.0''$ W

added to google sheet

Downloaded data, only upper snow
 height sensor was out, which was re-
 placed.

Station is good for 2-3 years.

Snow pit 73cm to a large ice layer,
 but snow height sonic showed more
 like 1.2m accumulation (?)

Saddle

25.5

x-mit de. Antenna 213/16

Coordinates: $66^{\circ} 00' 00.1''$ N
 2480m $44^{\circ} 30' 08.1''$ W

added to google sheet

Could not download the memory card,
 and once repaired, it had no reading since
 last year.² Had to download via
 the snow modem, and it took at least one
 hour! Deleted all content from memory card
 and put it back.

Added one (lower) snow height sensor
 which was missing.

Tc-air1 ~~sensor~~ is out and could not
 replace. All else works.

Very large extension, good for 3-4 years
 Snow pit 131 cm accumulation.

25.5

NASA - SE

Antenne 214/15 (no xmit)

Coordinates: $66^{\circ} 28' 41.2'' N$

added to google sheet

2385m $42^{\circ} 20' 47.0'' W$

Download ok. Battery was low in winter,
replaced battery box with new one.

Change lower snow height sensor.

All channels working and towers pretty tall.

Antenne was off by 45° , turned the whole tower!

Snow accumulation 165cm!

This is a record this year.

The surface was pretty rough and the
pilots had to cut the seastrips with
shovels.

END of AWS Travers!

All went pretty smooth and very good
weather!

AWS visit 2015

GOER sites

Dye-II 08 no extension needed

Humz ant, V Speed 1 ant, piers. ant 12.3V

NASA-SE no extension

Tar HHP and IC quite different $\Delta 15^\circ\text{C}$

Saddle no extension

V1 not always running, Volt 2 ant 12.3V ✓

S-Dome Could need extension, ①,
box will be at snow level

all channels seem to work, not many

transmissions, ID 311 + 314 was working

AMS sites

(ARGOS sites)

Tuna-N: need to lift arms

wind dir 14,

>360

wind dir 2 out, snow/H2 noisy, 12.3V

Humbolt: needs extension

①

wind dir 14 dr, all channels dr, battery 12.0V

Petermann ELA no extension

big diff between T_{air} + T_{air}
HNO TC,

wind dir 1 strong (sometimes negative), 12.7V!

GITS no extension

wind speed 1 out, snow/H2 out 12.6V!

ANS sites 2012 (GPR)

NASA - Y no extension

all working, not xmit

12.6V

NEEM needs in 1 year extension ...

snow th and press. ant
xmit ok

12.7V

EGRIP

needs radiation sensor (all 3)
one wind-dir offset!

12.5V

Summit no extension, xmit ok ✓

V1 not turning? Pressure? Shp-Hz-out
Vspeed 1 out, Valt 1 out, Temp 3, 4 out

12.2V

NASA-E

needs extension

①

no transmission!

Aug sites 2015 Sun Gap

Sunite Camp new drilling into line ①
S now 14 noisy, xmit ok 12.6V

ETH 10 m no drilling

Crawford 1 no extension
THP 2 too high, Hump 2 noisy 12.6V

JAR 1 new drilling ②
xmit not working! ?

Batteries LiON

23.3.15

<u>Extensions:</u>	- S-Dome	2	Li-Ion	12V / 4.4 Ah	HALA 21-002401 ✓
	- Humboldt	2	"	11.1V / 6.6 Ah	21-002467
	- NASA-E	2	"	7.2V / 8.8 Ah	21-002371
	(NEEM - maybe)				
	- Inmarsat	3	"	28V 66 Wh	48-11-2830

<u>Lift arms:</u>	- Tandu-N	4	"	18V 54 Wh	BL 1830
				Makita	

<u>Batteries:</u>	S-Dome?	1	"	11.1V 6.6 Ah	Danassun CF-V2S428
		1	"	11 3.6 Ah	CF-V2SU1428
	Radar Batteries	4x100Ah	1	10.6 5.4 Ah	CF V2S448
					Triumph
		1		11.1 2.5 Ah	88604-03

23.3.15

Batteries SLFANG Flights

25.3.15

2	LiON	ultracon with cable		①
2	LiFON	G0216216	24V	
2	"	11.1V	5.21V	Phantom
1	"	11.1V	6.6AW	HALO 2-002467
2	"	12V		" 2 004004A

24 April North

27 " Summit

28 " "

28 " "

2 May "

3 May "

②

15 May North

17, 18 Summit

③

29 May North

1 June Summit

3 June "

6 " "

1. large EDAK - Koni clothing
- 2 " " Began, Pave-bize, GPS, GeoXH
- 3 " " Thermanet, 2 NFA, climbing, sleeping bag
- 4 " " 3 RTWing, 2nd red, 1 box, density kit
- 5 " " Tools, Photo, Small Pump, clothes
- 6 med " AWS spare parts
- 7 " " drill set, Wanne cloth
- 8 " " GPR instruments
- 9 small " - Tools
- 10 " Tools new
- 11 " " AWS parts
- 12 GPR antenna, gear box