now
plan is to extend
Nasa-U, collect data
at NGRIP, extend @
summit, overnight there.
— NASA - U —
~ 22.54 departure,
3 h 25 m ground
time.

before:
47 cm lower arm
80 cm profile T/H

-21 cm = junction
bottom of top mast

after: +
307 = profile arm
80

227

NASA-U p.t. 5/25/2005

J. Box empty 7dag

1930 Z

depth	weight	g
0-10 cm	1011	
20	1058	
30	1064	
40	1053	
50	1055	
60	1111	
70	1064	
80	1090	
90	1082	
100	1069	
110	1059	
120	1039	125 summer layer
130	1081	
140	1065	
150	1098	
160		
170		

NASA-U pit stratig.
5/25/05

crust @ 6 cm
layer transition @ 16
" 18
23
33
wind crust 49
" inclined 57
" " 61.5
layer transition @ 66
inclined wind crust
@ 79.
layer exit @ 81
1 mm thick crust 97.5
2 mm depth hoar
layer exit @ 101.5
3-4 mm chunky crust @ 109.5
1 cm depth hoar @ 120
last year summer @ 125
next layer transition @ 140
5 mm depth hoar @ 145
wind crust @ 150
" @ 155

NASA-U Grain size
5/25/05

SURFACE 1 mm grains @ 3.5 cm
dendrite aggregate 20.5 mm
30 cm
sugar snow, fg 40 cm
grains begin @ 50 "
104 cm → 1 mm 60 5mm
70 5mm
1.5 mm grains 80 30 mm
@ 130 chunky 90 40 mm
crust layer. 100 5 mm

NGRIP 5/25/05

clock 1 min slow
cables causing lean
towards N^NE 20°W of mag. measured
~ 8 5

heights
bottom of profile: 30 cm
T/H 1 38 cm 78 cm 79.5
wind 1 72.5

profile separation 121

198
T/H 2 + 42 from arm bottom
wind 2 + 42
191 cm

NGRIP Pit 5/25/05

~ 23:45Z

tare wt 717 g lg cutter

		g/l.
		307
		361
0 - 10		345
10 - 20		314
- 30		288 !
- 40	278	288
- 50		407
- 60		330
- 70	65-75	350
- ~~80~~	80-90	335
70 - 80		360
- ~~100~~		332
90 - 100		325
- 110		
120		

pix taken

layering.

crust @ 8cm, ~ inclined @ 15
1mm white crust @ 36
soft snow above to 32
thin crusts 38, 39, 40
lg soft grains 52-55
top of summer @ ~~57~~ 57
thick crust @ 72
crust @ 85, 91
summer 2003 @ 105
dh @ 110, 2cm dh @

Koni's idea's

1) grain size change
@ 50
@ 115

Summit 5/26

IAMSFJ
clock is on

U1 32 cm
U2 32 + 123 cm

TH1 38
TH2 38 + 114 cm

frost on NR Lite
" " S↓ 24554
none on S↑ 24562 S/N
pyranometers are type
w white resistor
packet. red, white, black,
clear.

~ 1 cm
frost on radiation shields
see pix

Summit Pit
5/26/05 ~5'

depth		cutter wt.
0-10	986-(714)	
20	325	
30	363	
40	351	
50	301	
60	358	
70	335	
80	311	
90	294	← summer '04
100	324	
110	330	sugar
120	383	sugar
130	326	sugar

Summit Stratig.
5/26/05

0-10	soft fresh
10-15	layer
15-24	layer
24-46	
46	wind crust inclins
46-58	fine, all fine abov
64	wind crust
64-72	larger grains
70-75	soft
84	2cm depth hoar
90	interface
102	1.5 mm white crust, inclined.

below 102 grains again larger.

summer layer @ 86?
grains > 1 mm below 86
" > 1.5 mm " 102

South Dome AWS
5/27/2005 J.B. R.H. + Shane
clock accurate!

replace 2 sonics
only 1 existing

wind 1: 35, 2: 105+35

TH1: 22, 2: 22+182

S↑ 28086
S↓ 28091

tower leaning S ~5°

ice in lower net Dome

new Tc., 1m spacing

Transmitter clock was
accurate within 10 sec.
unclear why we were not
rx transmissions*. Unpow-
cled and re-activated it.

* fuse/pol cord ?

S Dome 5/27/05
P2

new Tc strings
depths 1, 2 ~ 20cm
3 ~46
4 ~1.46
~2.46
each meter

Added to maintenance sheet