

MASS CPII

TROWEL 716g (total weight)		
0	10	1000 grams
10	20	1052
20	30	1063
30	40	1110
40	50	1077
50	60	1095
60	70	1127
70	80	1119
80	90	1081
90	100	1089
100	110	1074
110	120	1096
120	130	1126
130	140	1098
140	150	1061
150	160	1076
160	170	1130

CPII (cont)

4 mm pencil	165
1.2 mm 9 fingers	169 cm
9 mm	very lg grains 170 cm
	ice layer structures w/ 13 grains in between 174 cm

AIR TEMP -11.5

SUNNY
WIND from east

MAY 10 97.

Began installation of
Cranford Pt II and

the 10 m ice core

for the thermometer

Weather - cold yet sunny
wind from West
high cirrus

COORDINATES CP II

69° 54' 48" N

46° 51' 17" W

added to google sheet

MAGNETIC DECLINATION
~ 42°

MAY 11 CP II

SNOW PIT STRATIGRAPHY

.3 mm	grain size	0
1 finger		← 46 1 mm hard crust
1063 g		59 cm
.4 mm		→ very hard 1 mm
pencil	HARD CRUST	66, 69, 69.5, 70, 75
1066 g		110, 122, 131.5
		135 cm
.6 mm		
1 finger		137 cm
.5 mm		
pencil		
1137 g		146 cm
1.0 mm		very large grains
9 fingers		149 cm
.6 mm		
1 finger		
1076 g		165 cm

4/00 ME II

11:38 video taken upon arrival

2 cm rimc on S face
of most instruments
tower

pressure 774 steady

elev watch 2175 m

PITS

30 m

from

station

Current
Stk
Conditions

NORTH P

1 cm rimc

0 - 10 280 gms

10 - 20 340

20 - 30 315

30 - 40 375



EAST PIT

1 cm rimc

0 - 10 287

10 - 20 370

20 - 30 336

30 - 40 360

@ 30 cm level there has been
@ NES a 1 mm Ice layer
consistently

South Pit

ste an

0-10 290

312

gms

same

10-20 333

20-30 337

30-40 335



West Pit

0-10 304

10-20 322

20-30 319

30-40 329

varying levels

under

hard: soft

wind drift

@ 511

sagging - hard

blown snow

amidst soft

5-20-97

JAR	PIT	DENSITY (pure snow - standard)
0	10	402 g
10	20	402
20	30	425
30	40	ice 405
40	50	424
50	60	424
60	70	375
70	80	377
80	90	389

Weather clear
~ 5 m/s wind

MAY 21 S.C. STRATIGRAPHY

618 pm local

surface

@ 18-19 cm ice
→ to 4 cm

@ 110 summer horizon

0

1 finger
melt started wet

13 cm

4 fingers

34 cm

pencil

↑ small
↓ grains

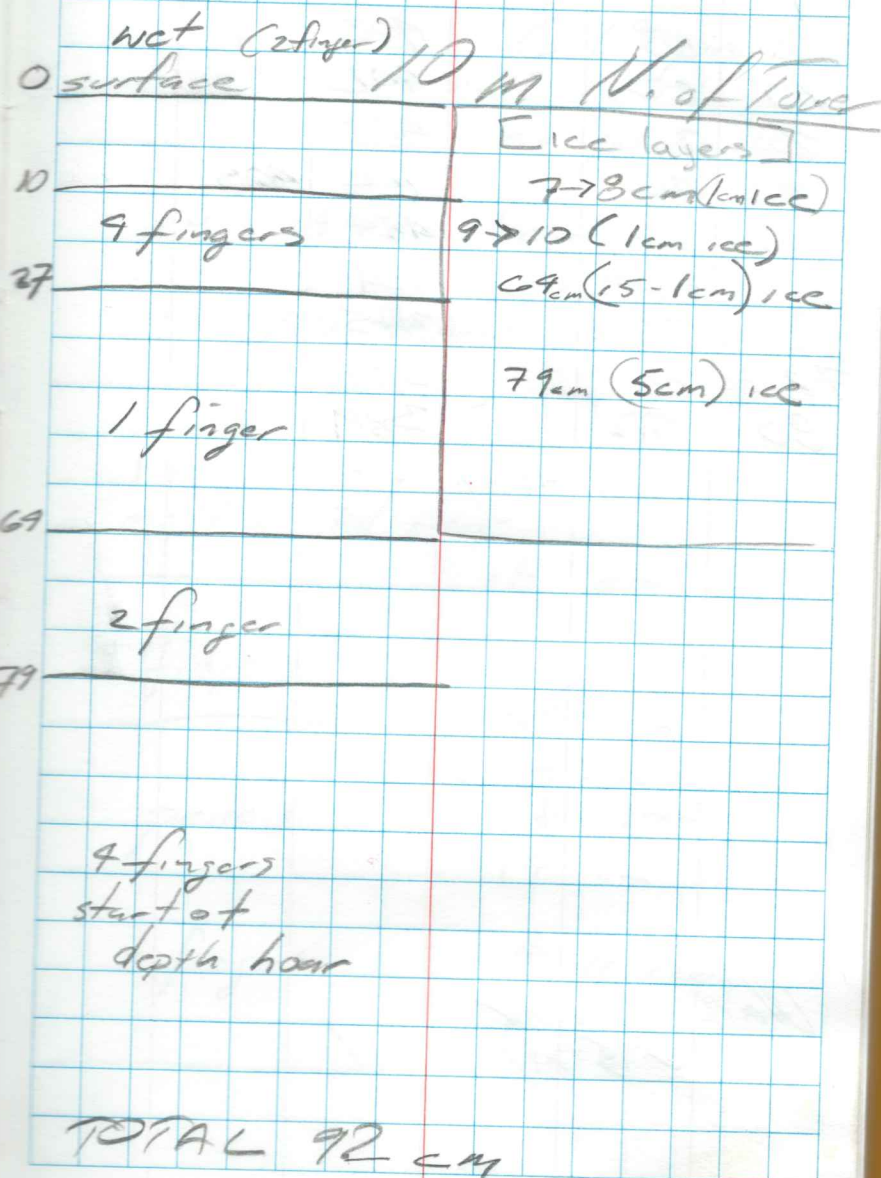
74 cm

2 fingers

↑ 1/2 grain
↓

110

JAR PIT 5-20-97



Density S.C. 5/21
 like 253g weight
 volume 1/2 like (only snow weight)
 0 → 18 → 200 g

18 → 34 → 171 g

34 → 74

(40-45 214 g)
 (60-65 209 g)

74 → 110

(75-80 166 g)
 (90-95 165 g)

H₂O EQUIVALENT

40 cm tube 607 g
 (get volume)? 8.5 diameter cm

bag & tube = 700 g

0-18 cm 460 g only snow

18 → 58 cm 850 g

58 → 98 870 g

98 → 110 145 g

110 ↓ frozen firm
 166 solid ice

5-20-97

JAR	PIT	DENSITY (pure snow - standard)
0	10	402 g
10	20	402
20	30	425
30	40	ice 405
40	50	424
50	60	424
60	70	375
70	80	377
80	90	389

Weather clear
~ 5 m/s wind

MAY 21 S.C. STRATIGRAPHY

6:18 pm local

surface

@ 18-19 cm ice
→ to 4 cm

@ 110 summer horizon

0

1 finger
melt started wet

13 cm

4 fingers

34 cm

↑ small grains
↓

pencil

74 cm

2 fingers

↑ 1/2 grain
↓

110