

Observers: PS+AY

Center for Snow and Avalanche Studies

Profile # 1

Time: 1100

Snowpack Profile

Date: 12/13/2017

Location: SASP

Elev. 11,060

Aspect: SE

Boot Pen: 2 cm

∠: 1°

Air T: -0.9°C

Sky: ☉

Precip: no

Wind: Calm

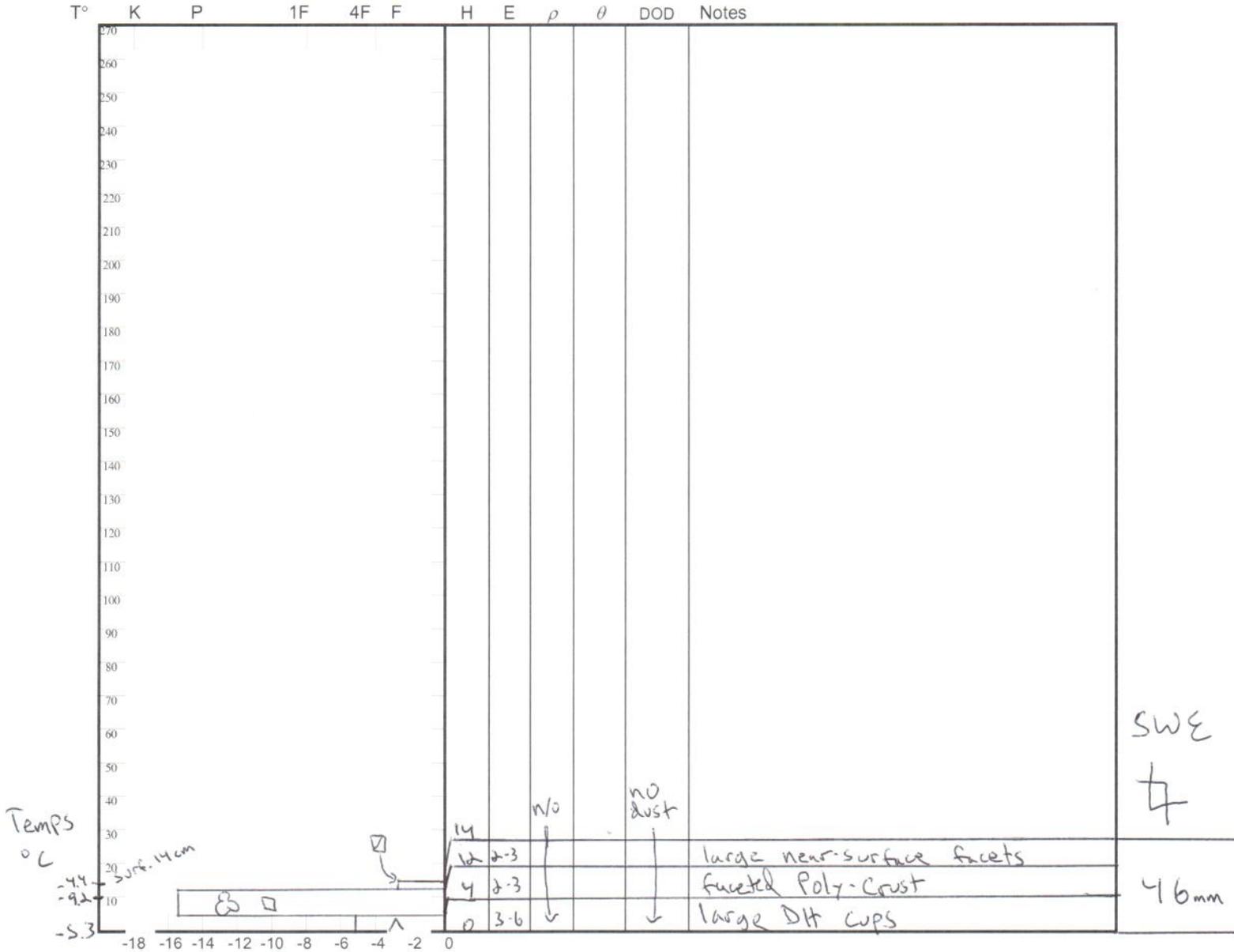
Prior Pit: # n/a: / /

Total Snowpack SWE: 46 mm H₂O

HS Norm: 0.13 m

Mean ρ: 353.8 kg/m³

Notes: _____



Notes: Snow discontinuous in study plot. Very little snow cover on surrounding landscape

No dust observed.

Animal tracks in plot.

Observers: jo/AT
 Time: 9:45

Center for Snow and Avalanche Studies

Profile # 2

Snowpack Profile

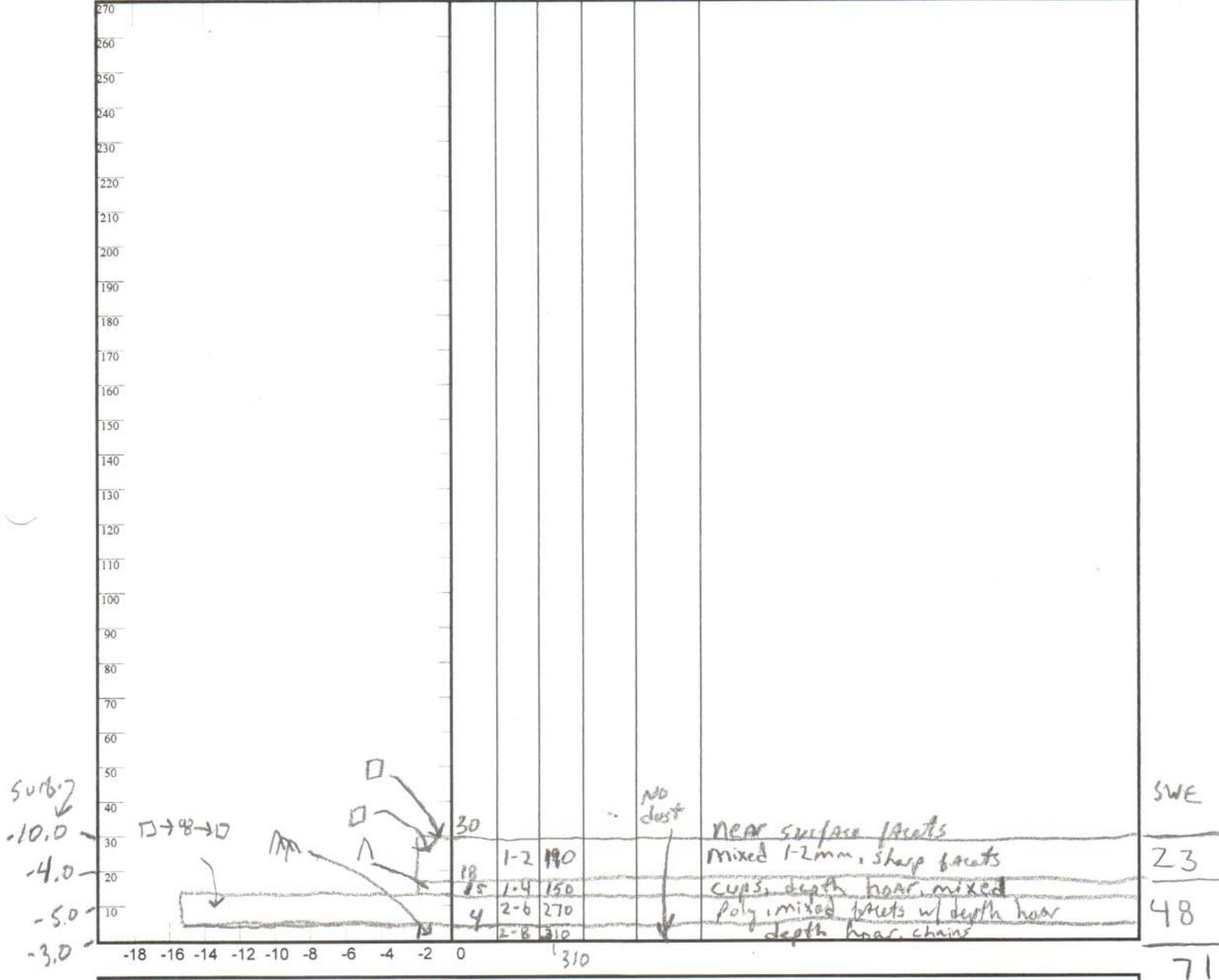
Date: 1/1/2018

Location: SASP Elev: 11,060 Aspect: SE Boot Pen: 10 cm 1 °

Air T: -1 °C Sky: ☉ Precip: Nil Wind: CalM Prior Pit: # 1; 12/13/2017

Total Snowpack SWE: 71 mm H₂O HS Norm: 0.32 m Mean ρ: 222 kg/m³ Notes: depth poles = 35cm, 32cm, 31cm, 28cm.

T° K P 1F 4F F H E ρ θ DOD Notes



Notes:

Observers: JD+AT

Center for Snow and Avalanche Studies

Profile # 3

Time: 1520

Snowpack Profile

Date: 1/16/18

Location: SASP

Elev. 11,060'

Aspect: N

Boot Pen: 35 cm

\angle : 3 °

Air T: -4 °C

Sky: 0

Precip: NO

Wind: LT

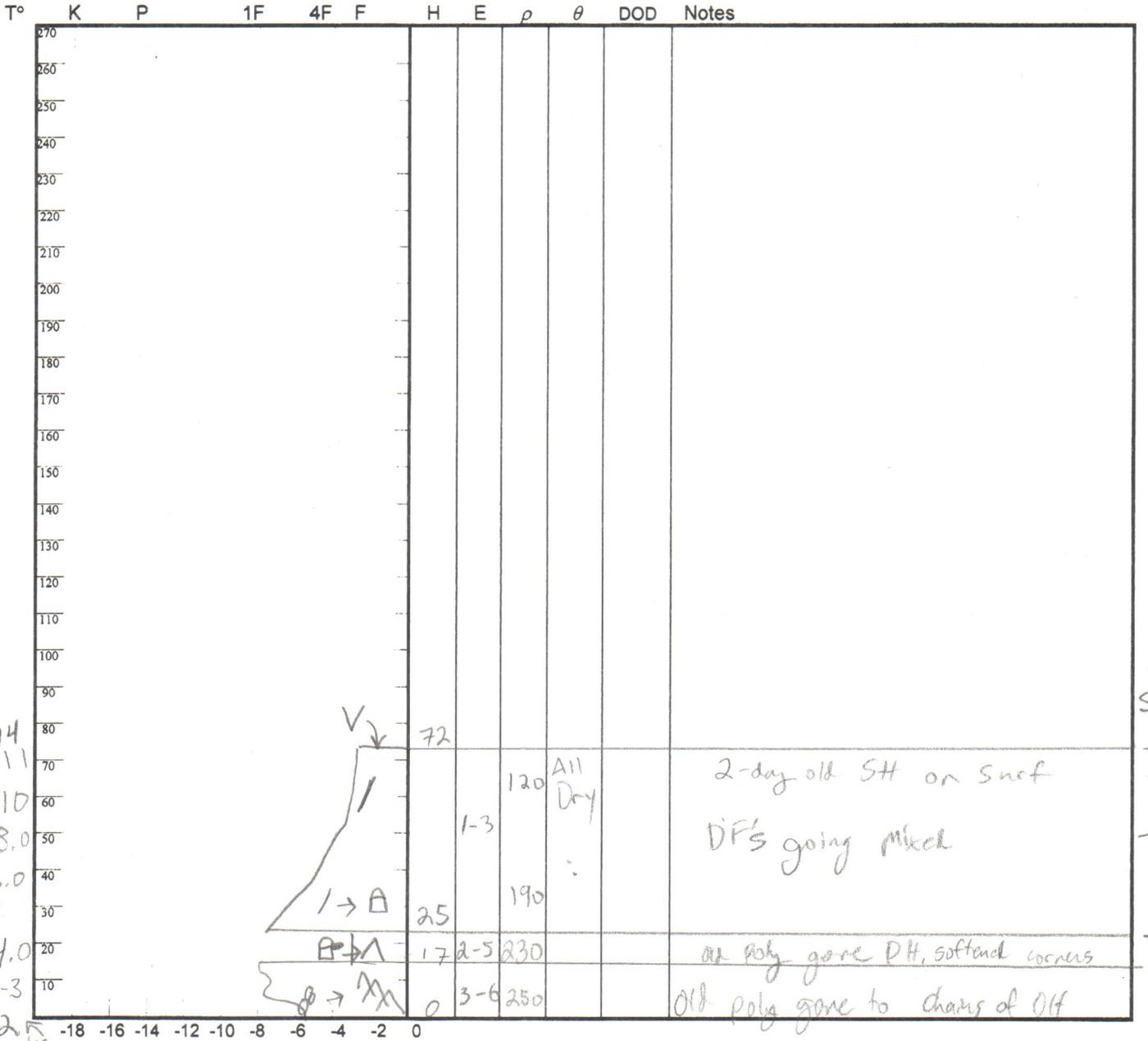
Prior Pit: # 2; 1/1/2018

Total Snowpack SWE: 139 mm H₂O

HS Norm: 0.71 m

Mean ρ : 196 kg/m³

Notes: _____



Notes:

Observers: AT

Center for Snow and Avalanche Studies

Profile # 4

Time: 1120

Snowpack Profile

Date: 2/1/2018

Location: SASP

Elev. 11,050

Aspect: N

Boot Pen: 50 cm \angle : 0 °

Air T: 2 °C

Sky: \oplus

Precip: NO

Wind: Lt

Prior Pit: # 3; 7/16/2018

Total Snowpack SWE: 181 mm H₂O

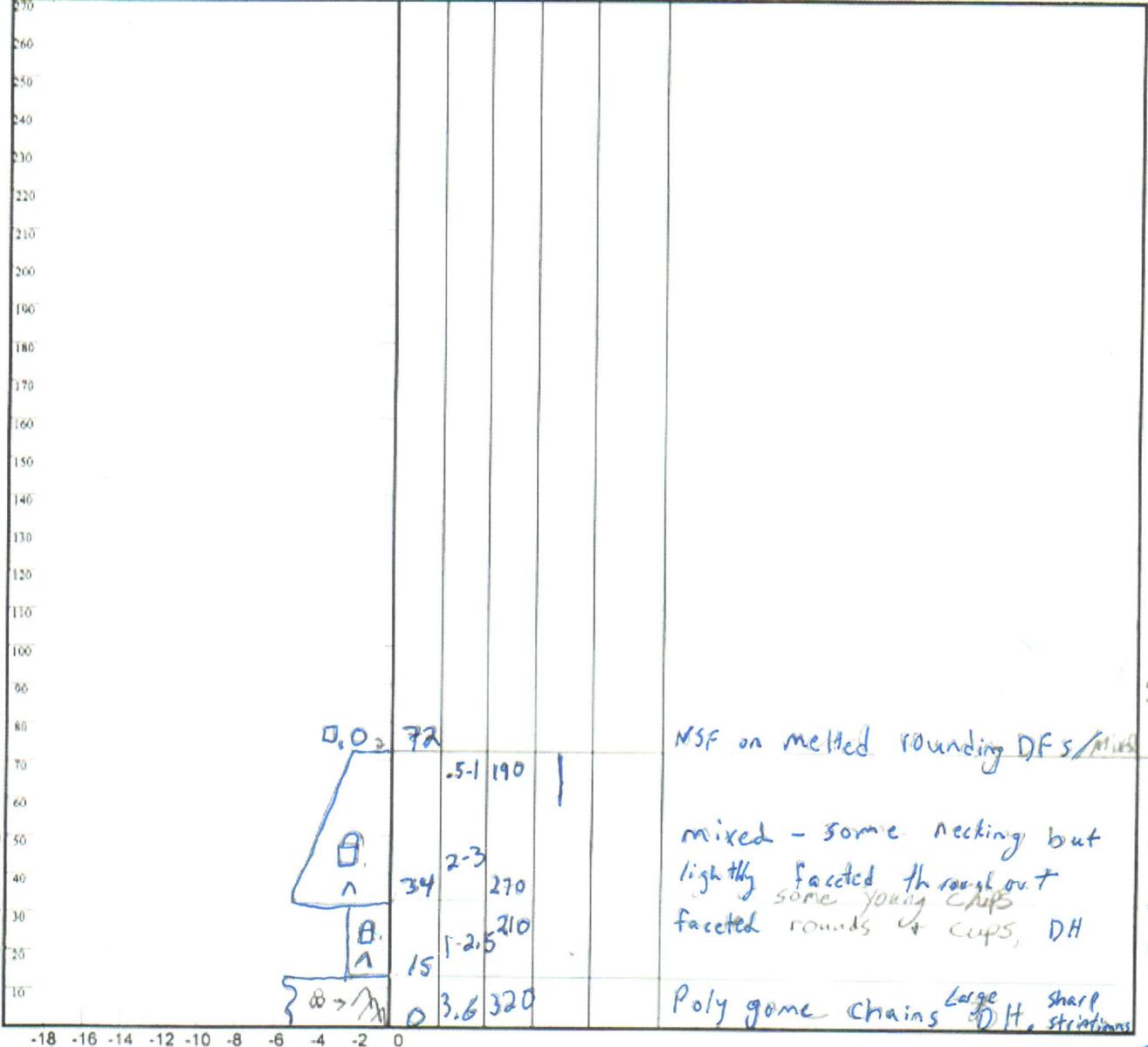
HS Norm: 0.76 m

Mean ρ : 238 kg/m³

Notes: _____

T° K P 1F 4F F H E ρ θ DOD Notes

temp °C
surf. 0.0
-1.8
-4.8
-3.0
-6.2
-4.8
-2.2
-1.2
0.1



7
SWE
50
48
40
43

Notes:

Observers: JD/Snow School Center for Snow and Avalanche Studies

Profile # 6

Time: 1400

Snowpack Profile

Date: 2/28/2018

Location: SASP

Elev. 11,060'

Aspect: N

Boot Pen: X cm \angle : 2°

Air T: -9 °C Sky: ☉

Precip: 51

Wind: LT

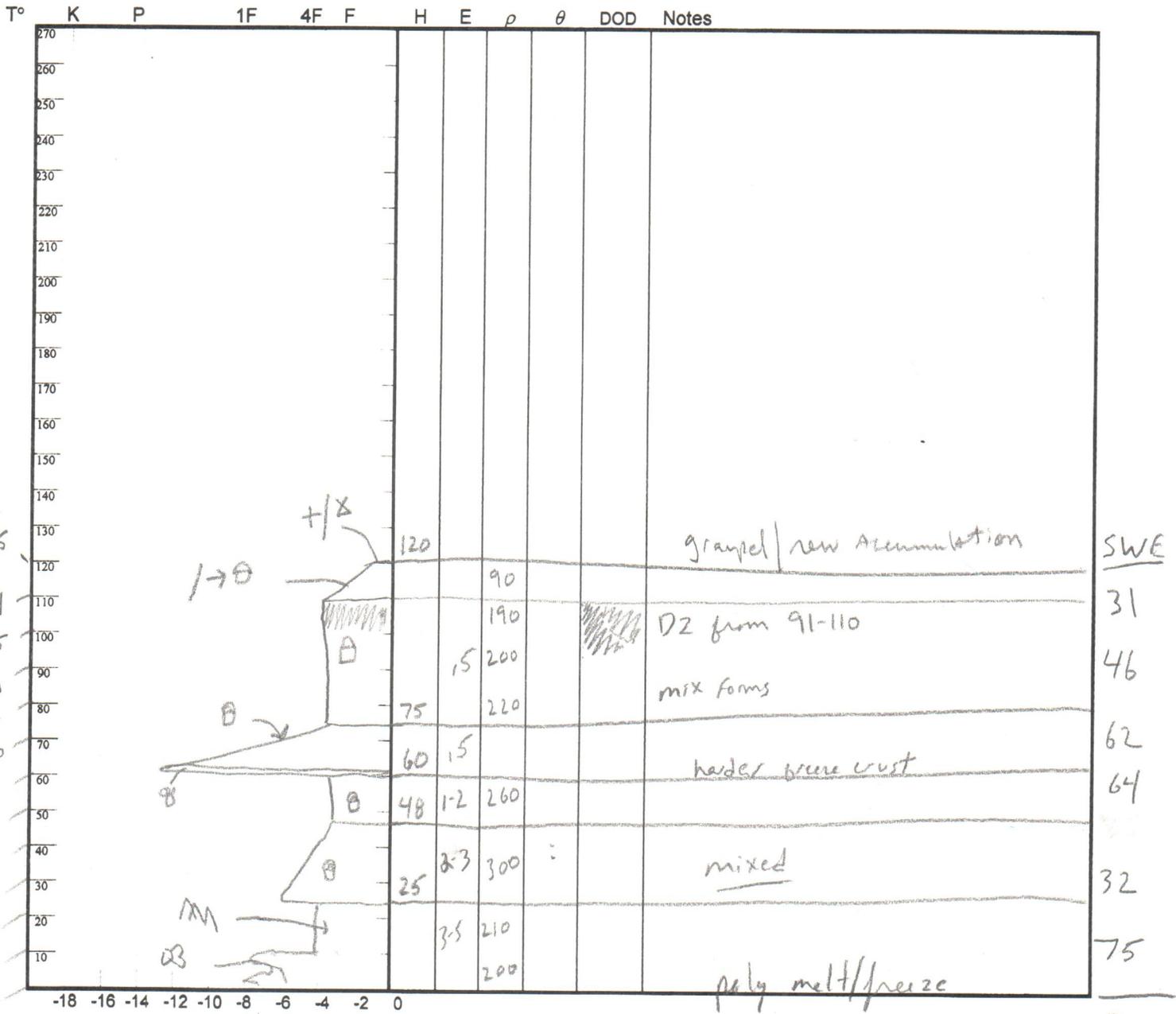
Prior Pit: # 5; 2/16/2018

Total Snowpack SWE: 310 mm H₂O

HS Norm: 120 m

Mean ρ : 258

kg/m³ Notes: _____



Notes:

Observers: JD/KWD

Center for Snow and Avalanche Studies

Profile # 7

Time: 1230

Snowpack Profile

Date: 3/10/2018

Location: SASP

Elev. 11,060'

Aspect: N

Boot Pen: 19 cm

∠: 3 °

Air T: 2 °C

Sky: ☉

Precip: nil

Wind: Mod

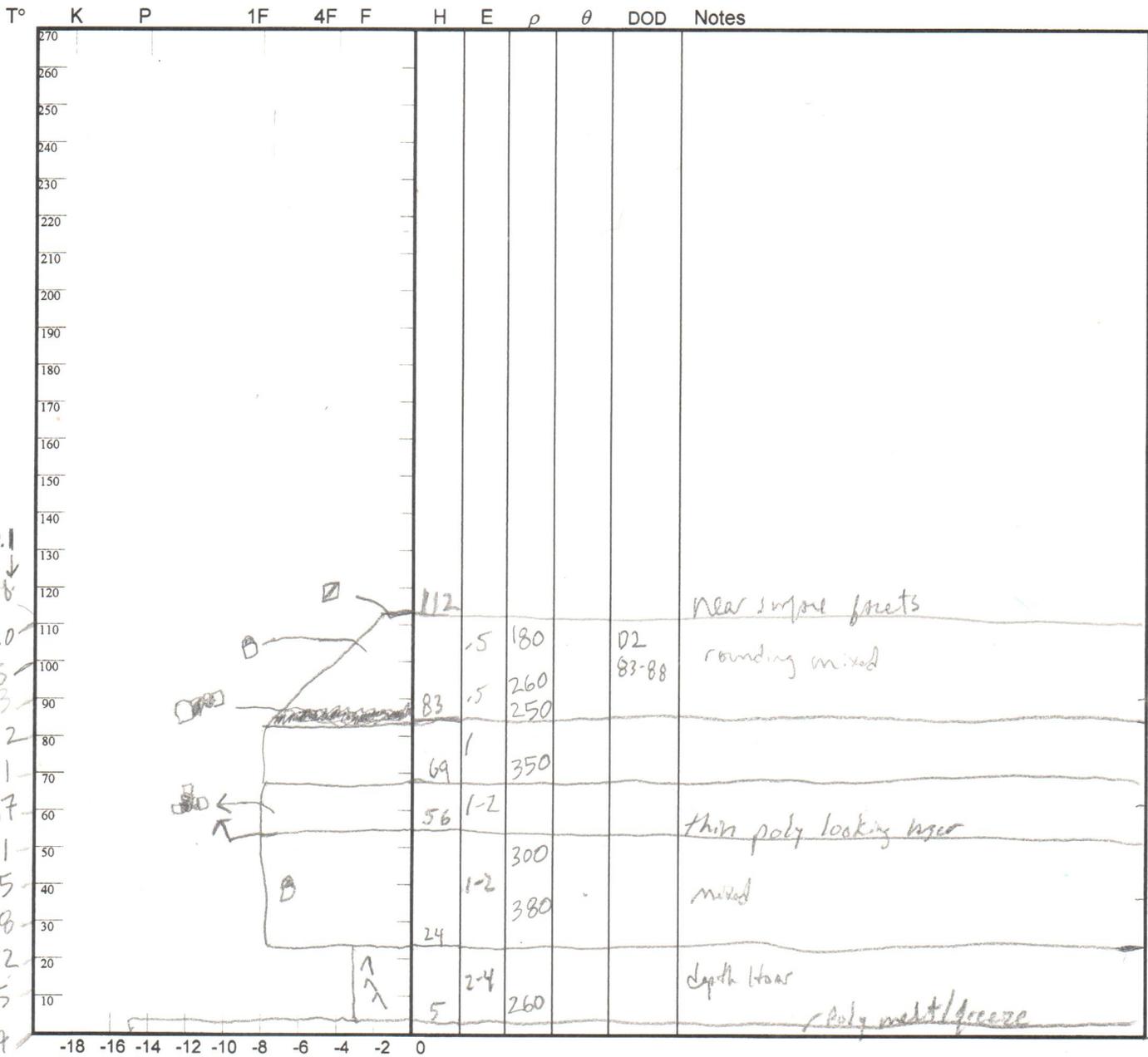
Prior Pit: # 6; 2/28/2018

Total Snowpack SWE: 324 mm H₂O

HS Norm: 111 m

Mean ρ: 292 kg/m³

Notes: _____



SWE

31

34

54

82

51

72

324

Notes:

Observers: PS, AY

Center for Snow and Avalanche Studies

Profile # 8

Time: 1303

Snowpack Profile

Date: 03 / 17 / 2018

Location: SASP

Elev. _____ Aspect: ESE

Boot Pen: 14 cm \angle : 2 °

Air T: -2.4 °C Sky: 0

Precip: NO

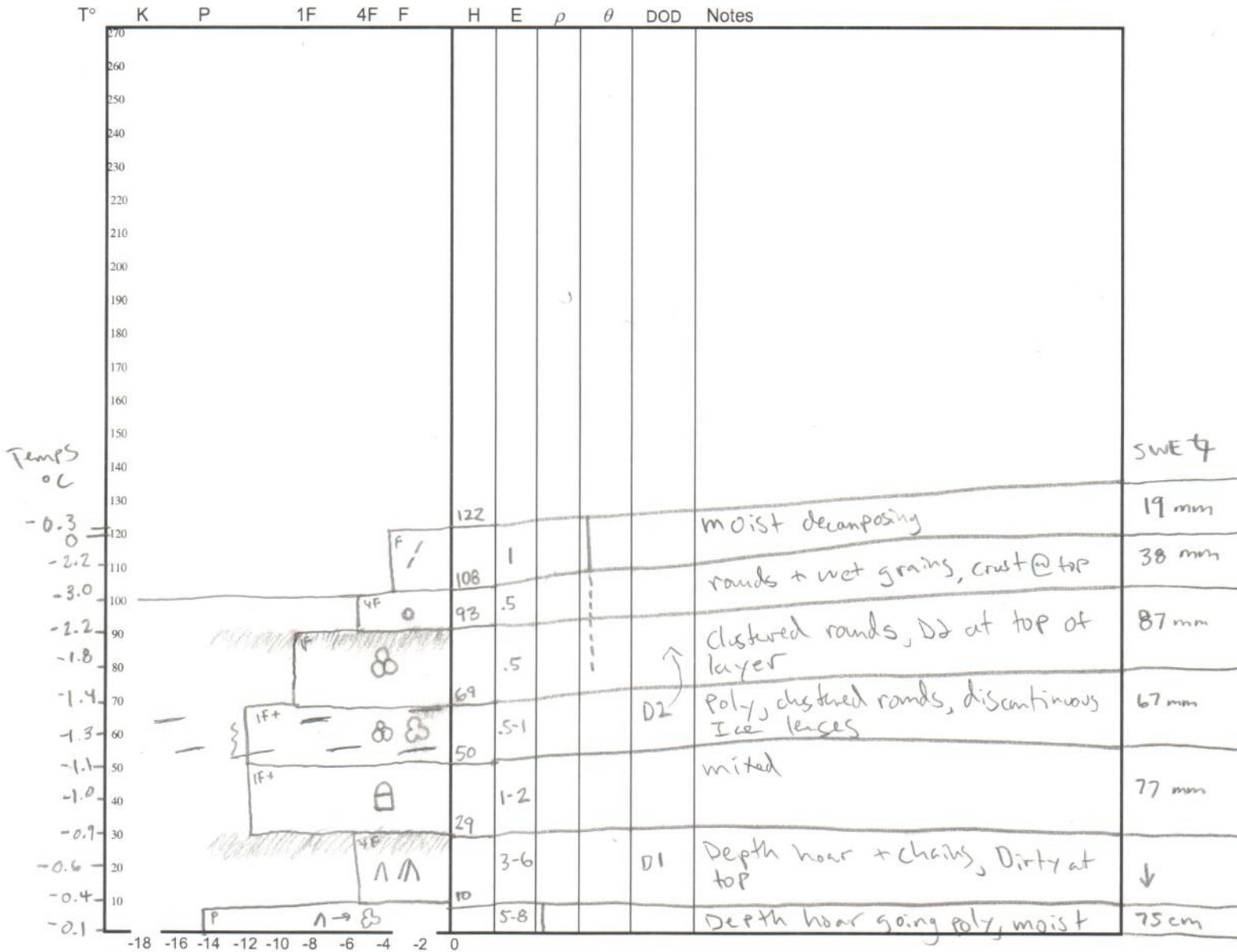
Wind: L

Prior Pit: # 7; 3/10/18

Total Snowpack SWE: 363 mm H₂O

HS Norm: 121 cm Mean ρ : 300 kg/m³

Notes: _____



Notes:

Observers: AT

Center for Snow and Avalanche Studies

Profile # 9

Time: 1600

Snowpack Profile

Date: 3/23/18

Location: SASP

Elev. 3368 M

Aspect: W

Boot Pen: 25 cm

α : 3 °

Air T: 2 °C

Sky: 10

Precip: S-1

Wind: L1

Prior Pit: # 8 : 3/17/18

Total Snowpack SWE: 376 mm H₂O

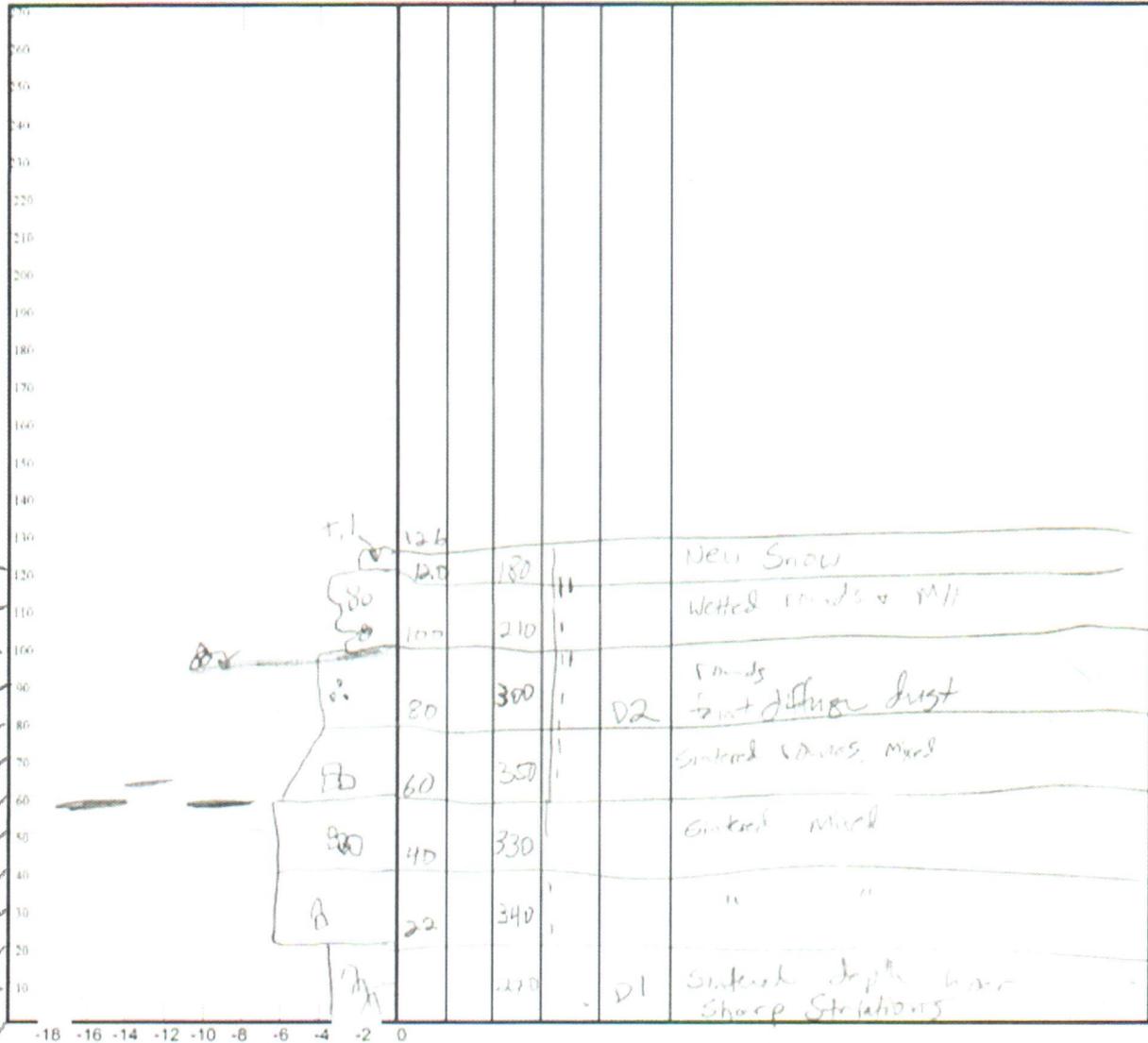
HS Norm: 1,30 m

Mean ρ : 289 kg/m³

Notes: _____

temp not observed

T° K P 1F 4F F H E ρ # DOD Notes



Phil did
temps on
3/26

sub:
-2.0
-3.0
-2.6
-2.0
-1.4
-1.4
-1.4
-1.4
-1.4
-1.4
-1.2
-1
-0.8
-0.5

7
SWE

12

44

57

61

63

69

70

376mm

Notes:

Observers: PS

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Profile # 10

Time: 0915

Snowpack Profile

Date: 4/1/18

Location: CASP

Elev. 11060

Aspect: ESE

Boot Pen: 2 cm

\angle : 2°

Air T: -0.3 °C

Sky: ①

Precip: ND

Wind: Calm

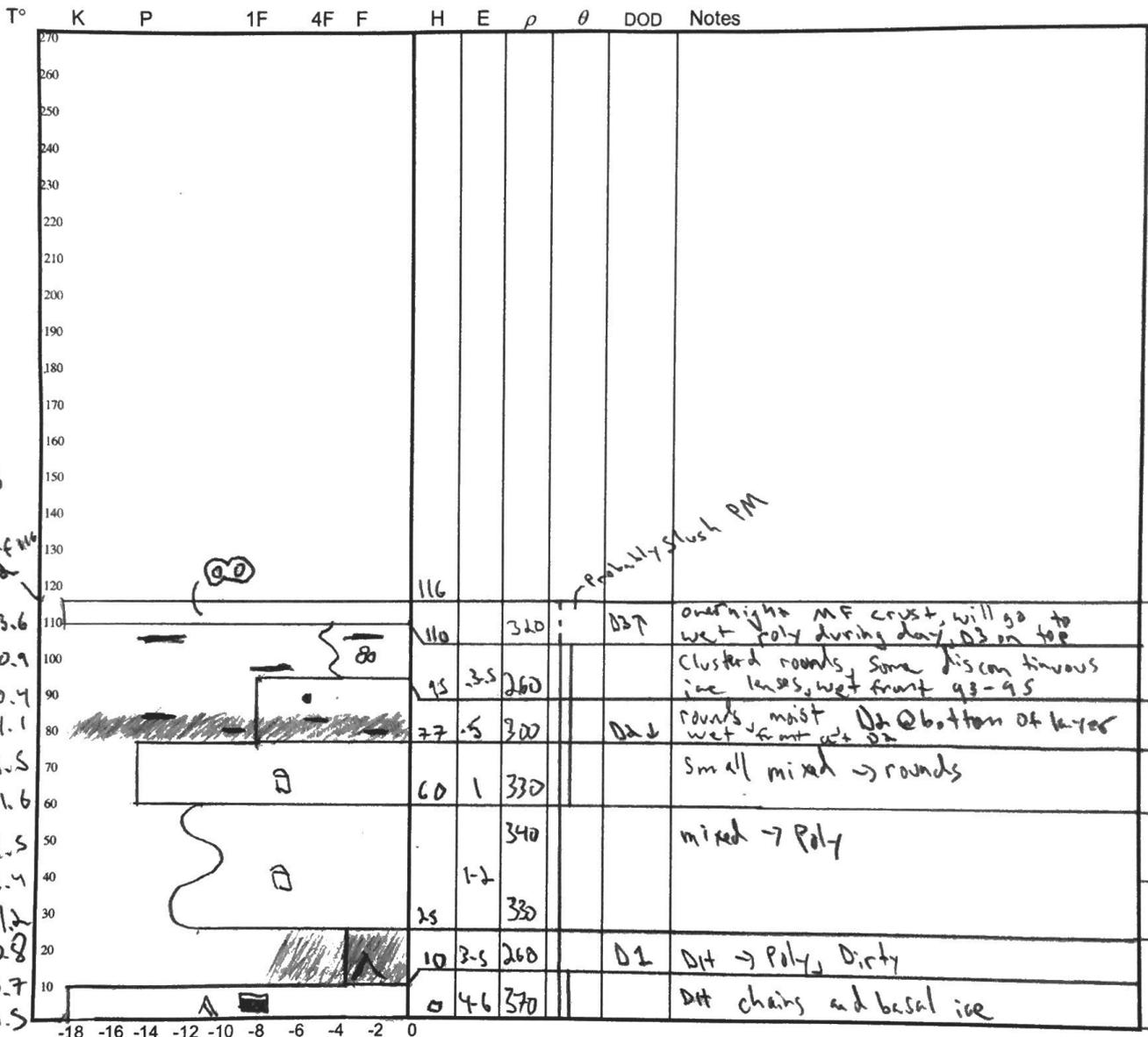
Prior Pit: # 9; 3/23/18

Total Snowpack SWE: 373 mm H₂O

HS Norm: 1.13 m

Mean ρ : 330-1 kg/m³

Notes: _____



Notes: Arrays Clear Snow Strakes: 1. 118 cm 2. 116 cm
 3. 127 cm 4. 119 cm

D2+3 merged on SE \rightarrow SW Slopes
 water runnels on S \rightarrow W Slopes

V. 12/4/15

Observers: PS

Center for Snow and Avalanche Studies

Profile # 11

Time: 1600

Snowpack Profile

Date: 4/8/18

Location: SASP

Elev. 11060

Aspect: ESE

Boot Pen: 35 cm

\angle : 2 °

Air T: 2.8 °C

Sky: ①

Precip: no

Wind: Calm

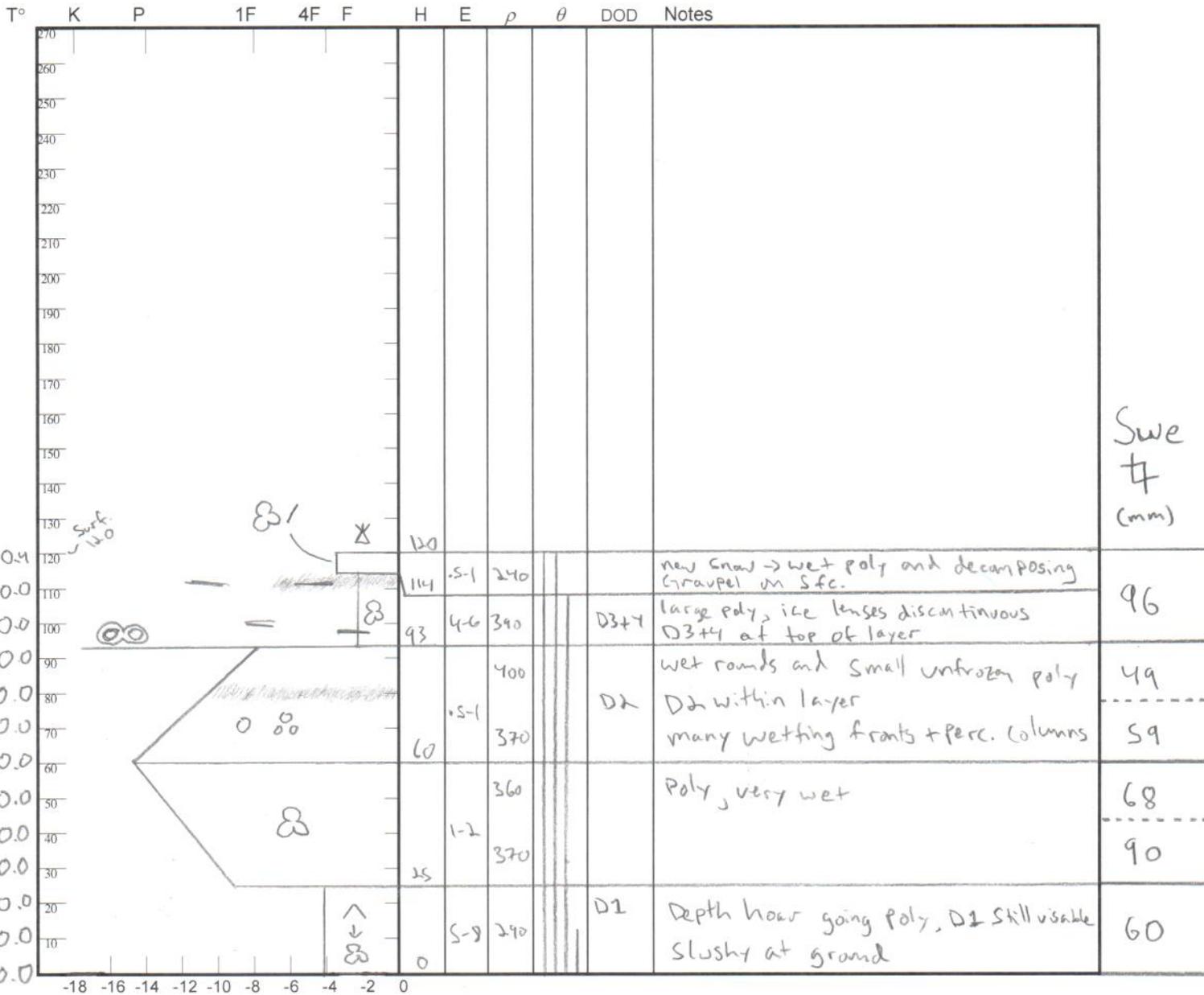
Prior Pit: # 10; 4/1/18

Total Snowpack SWE: 422 mm H₂O

HS Norm: 1.22 m

Mean ρ : 345.9 kg/m³

Notes: _____



Notes: Snow Stakes: 1. 122 2. 124
 3. 131 4. 119

Arrays Clear

D2-4 merged on S. facing slopes under 5-8 cm new snow

Observers: PS

Center for Snow and Avalanche Studies

Profile # 12

Time: 1100

Snowpack Profile

Date: 4/18/2018

Location: SASP

Elev. 11060

Aspect: ESE

Boot Pen: 2 cm

∠: 2 °

Air T: 1.4 °C

Sky: 0

Precip: no

Wind: calm

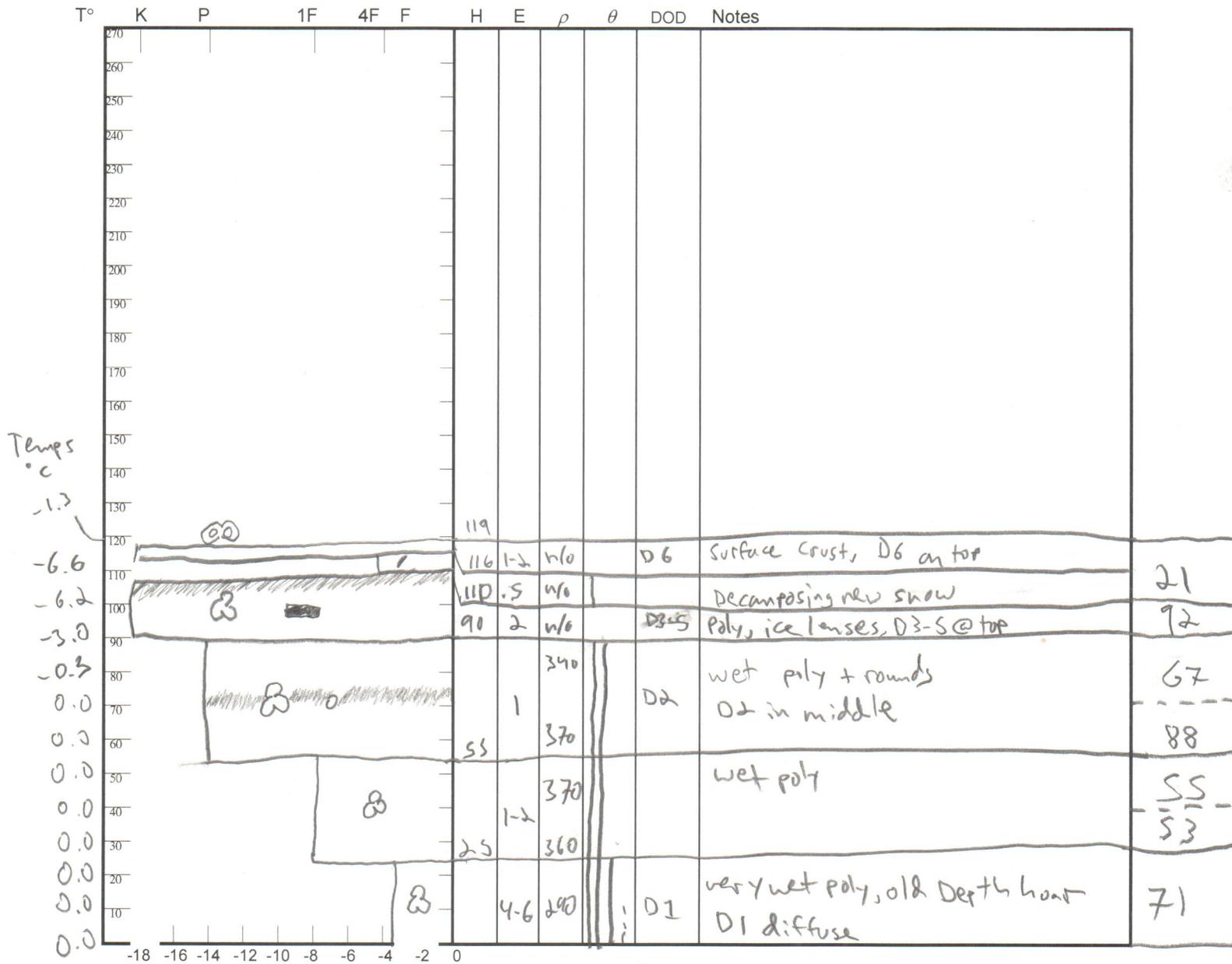
Prior Pit: # 11; 4/8/2018

Total Snowpack SWE: 447 mm H₂O

HS Norm: 1.17 m

Mean ρ: 382.1 kg/m³

Notes: _____



Notes: Snow Stakes: 1. 121 2. 121
 3. 134 4. 119

Arrays clear

D6 visible on surface but patchy. Thickest dust is in deposition areas such as old ski tracks, snow pits and creek beds.

Observers: JD

Center for Snow and Avalanche Studies

Profile # 13

Time: 10:04

Snowpack Profile

Date: 4/25/2018

Location: SASP

Elev. 14060'

Aspect: ESE

Boot Pen: 0 cm

\angle : 3 °

Air T: 7.5 °C

Sky: 0

Precip: nil

Wind: nil

Prior Pit: # 12; 4/18/2018

Total Snowpack SWE: 417 mm H₂O

HS Norm: 1.17 m

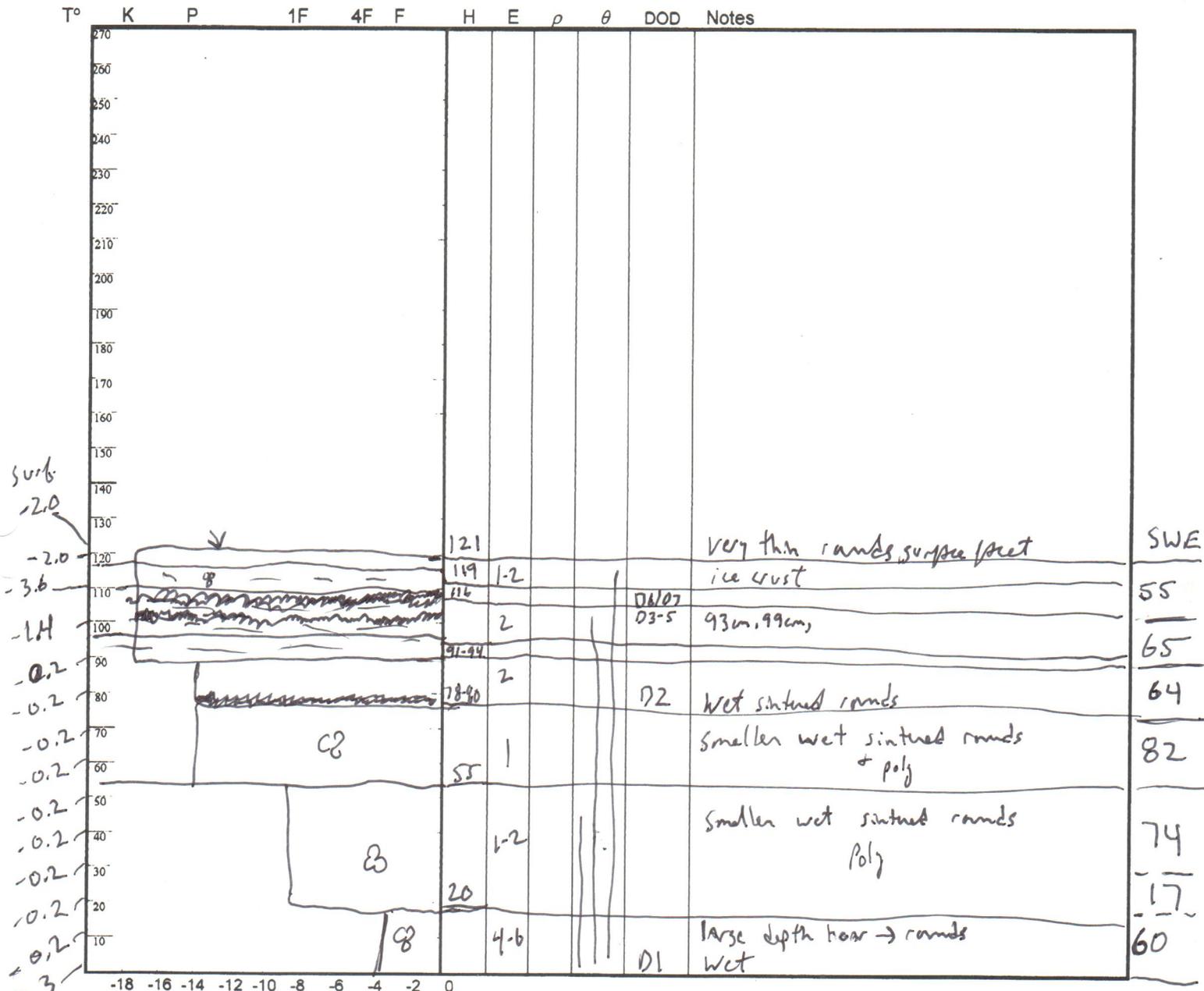
Mean ρ : 356 kg/m³

Notes: _____

D6/07 = 1.14-1.16 m

D3-5 = 1.11-1.05

D2 = 78-90 cm



Notes:

Observers: AT + PS

Center for Snow and Avalanche Studies

Profile # 15

Time: 1045

Snowpack Profile

Date: 5/8/18

Location: SASP

Elev. 11060

Aspect: ESE

Boot Pen: 2 cm

\angle : 3 °

Air T: 11.5 °C

Sky: 0

Precip: no

Wind: calm

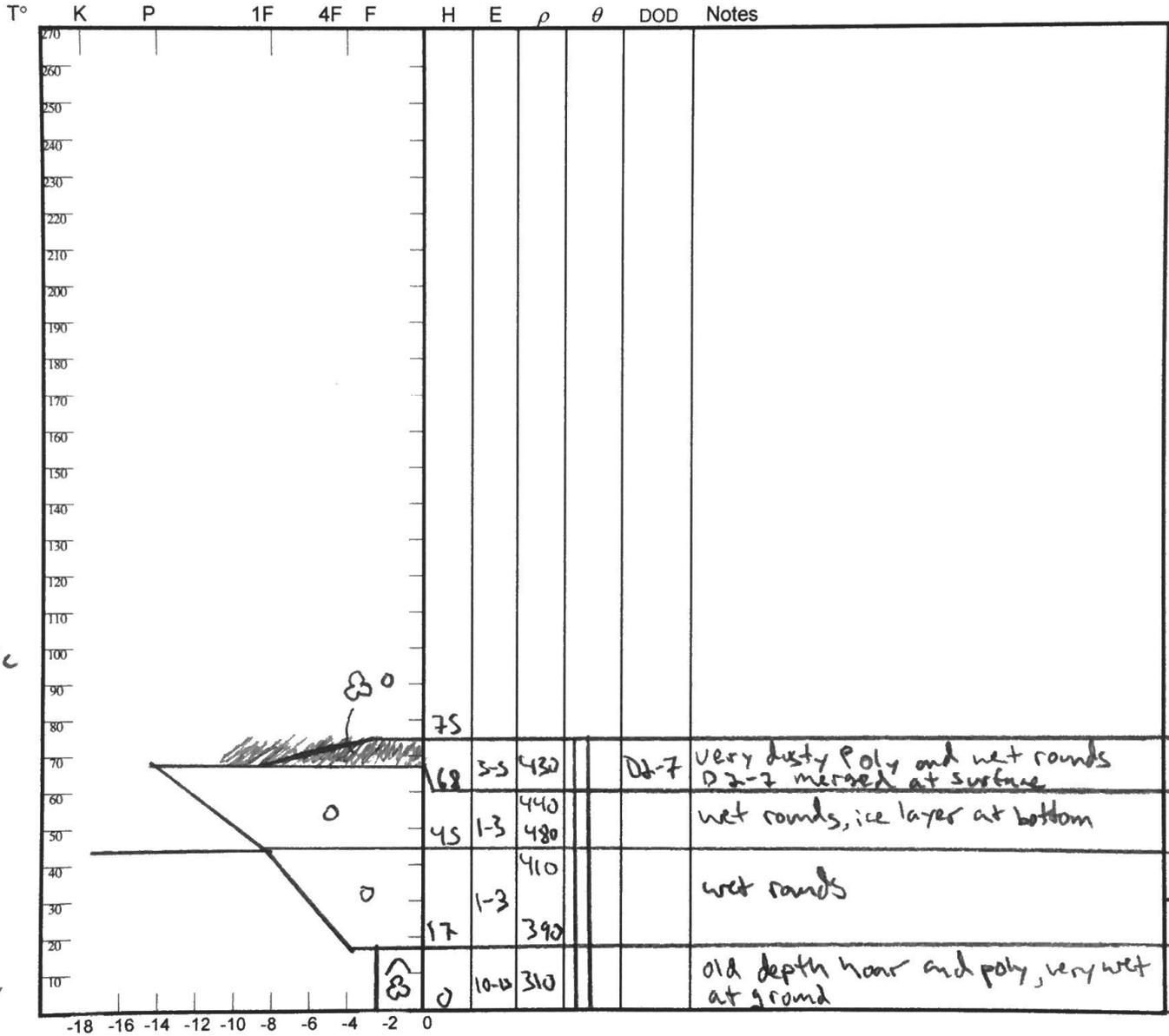
Prior Pit: # 14; 5/1/18

Total Snowpack SWE: 332 mm H₂O

HS Norm: 0.77 m

Mean ρ : 431.2 kg/m³

Notes: _____



Temps all 0.0°C

Notes: Very dusty on surface and melting fast

Observers: AT

Center for Snow and Avalanche Studies

Profile # 1

Time: 1040

Snowpack Profile

Date: 1/18/18

Location: SBSR

Elev. 2,200

Aspect: NE

Boot Pen: 26 cm

α : 2°

Air T: -6 °C

Sky: B

Precip: NO

Wind: None

Prior Pit: # -; -1-1-

Total Snowpack SWE: 93 mm H₂O

HS Norm: 0.42 m

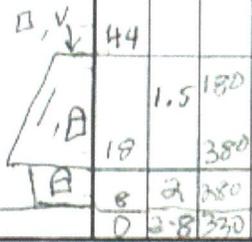
Mean ρ 221 kg/m³

Notes: Study plot

heavily wind-affected

T°	K	P	1F	4F	F	H	E	ρ	θ	DOD	Notes
270											
260											
250											
240											
230											
220											
210											
200											
190											
180											
170											
160											
150											
140											
130											
120											
110											
100											
90											
80											
70											
60											
50											
40											
30											
20											
10											
0											
-10											
-20											
-30											
-40											
-50											
-60											
-70											
-80											
-90											
-100											
-110											
-120											
-130											
-140											
-150											
-160											
-170											
-180											

-4.1
 -7.3
 -9.3
 -7.1
 -3.6
 -0.6



NSF + old wind-broken SH
 Faceted mix of DF's, wind
 deposited snow
 faceted wind deposit
 old poly gone. DH

7 SWE

61

32

93

Notes:

Observers: AT+PS

Center for Snow and Avalanche Studies

Profile # _____

Time: 1030

Snowpack Profile

Date: 3/1/18

Location: SBSP

Elev. 12,200 Aspect: N

Boot Pen: 6 cm \angle : 2 °

Air T: -6 °C Sky: 0

Precip: NO

Wind: LT

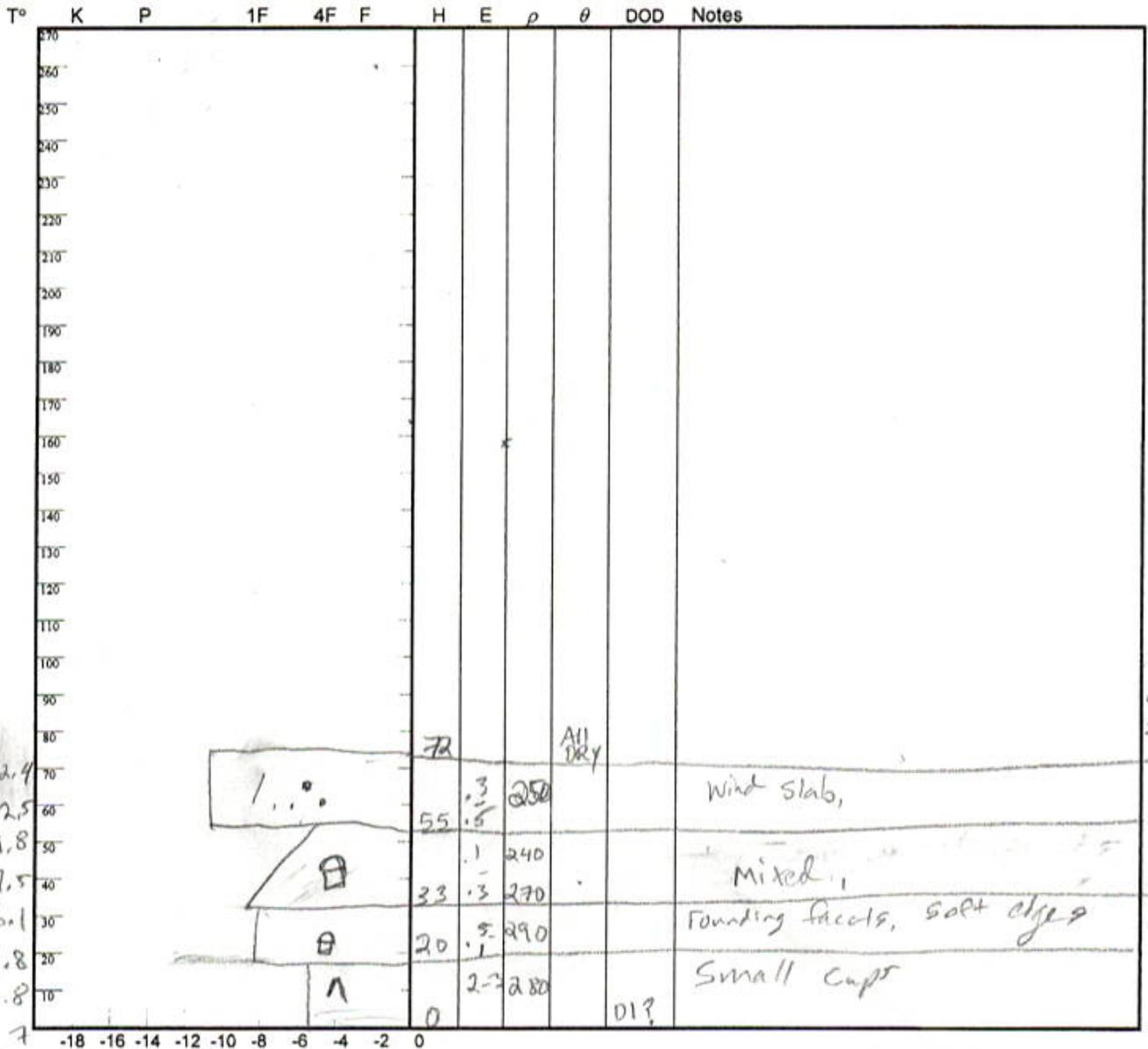
Prior Pit: # _____; _____

Total Snowpack SWE: 195 mm H₂O

HS Norm: 0.67 m

Mean ρ : 291 kg/m³

Notes: _____



temp.
 Sample C
 -6.0 -12.4
 -12.5
 -9.8
 -7.5
 -6.1
 -4.8
 -3.8
 -2.7

7
 5
 6
 3
 4

Notes:

Observers: AY+PS

Center for Snow and Avalanche Studies

Profile # 3

Time: 1145

Snowpack Profile

Date: 3/17/18

Location: CBSP

Elev. 11086

Aspect: ENE

Boot Pen: 12 cm

α: 1°

Air T: -50°C

Sky: ①

Precip: no

Wind: Strong, South Prior Pit: # 2; 3/1/18

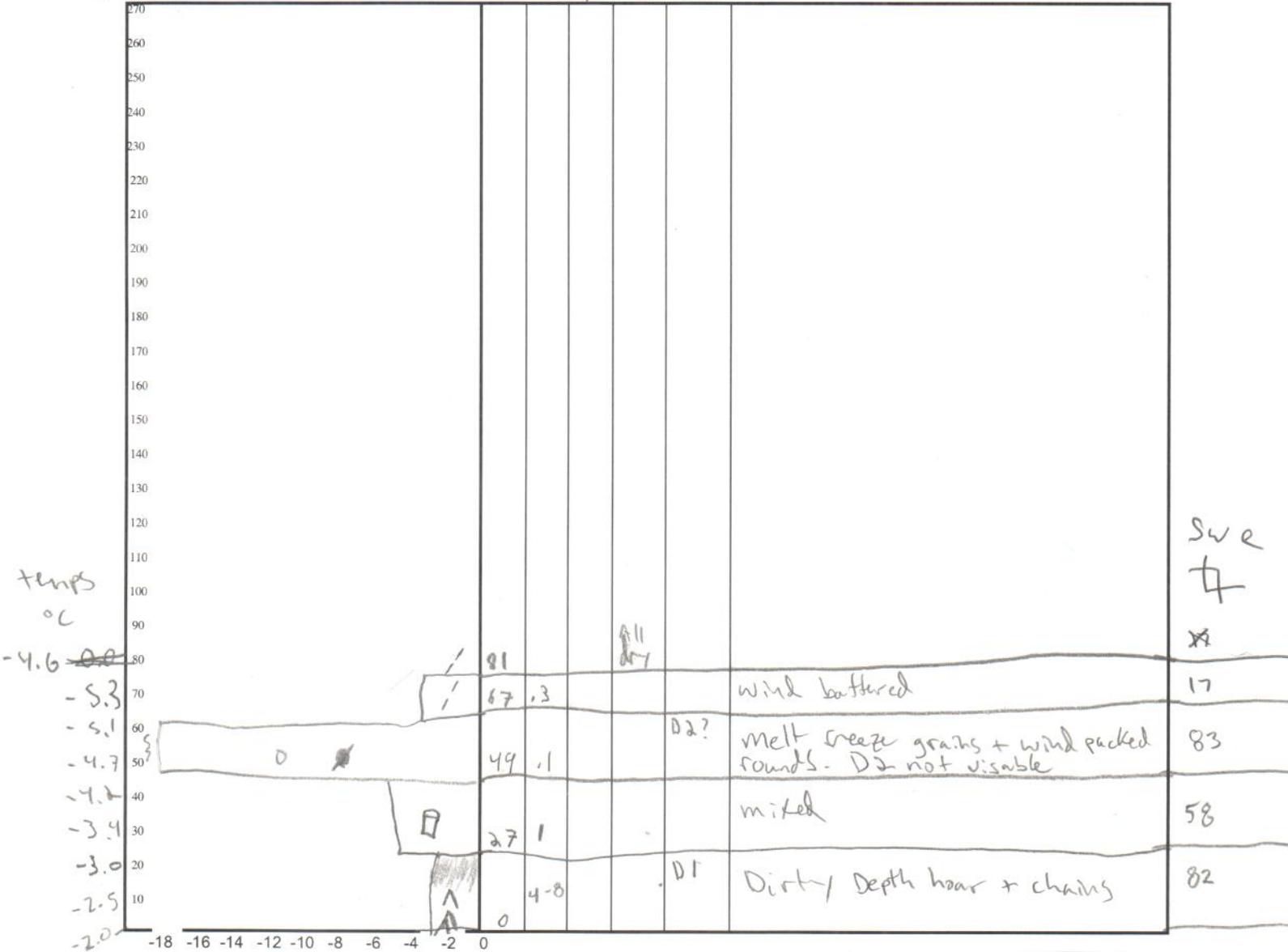
Total Snowpack SWE: 240 mm H₂O

HS Norm: 82 m

Mean ρ: 296.7 kg/m³

Notes: _____

T° K P 1F 4F F H E ρ θ DOD Notes



Notes: Snow Distribution patchy across landscape. Significant blowing snow while doing pit.

Observers: AT

Center for Snow and Avalanche Studies

Profile # 4

Time: 1245

Snowpack Profile

Date: 4/25/18

Location: SBSP

Elev. 12,200 Aspect: N

Boot Pen: 4 cm \angle : 3 °

Air T: 12 °C Sky: 0

Precip: NO

Wind: LT

Prior Pit: # 3; 3/17/18

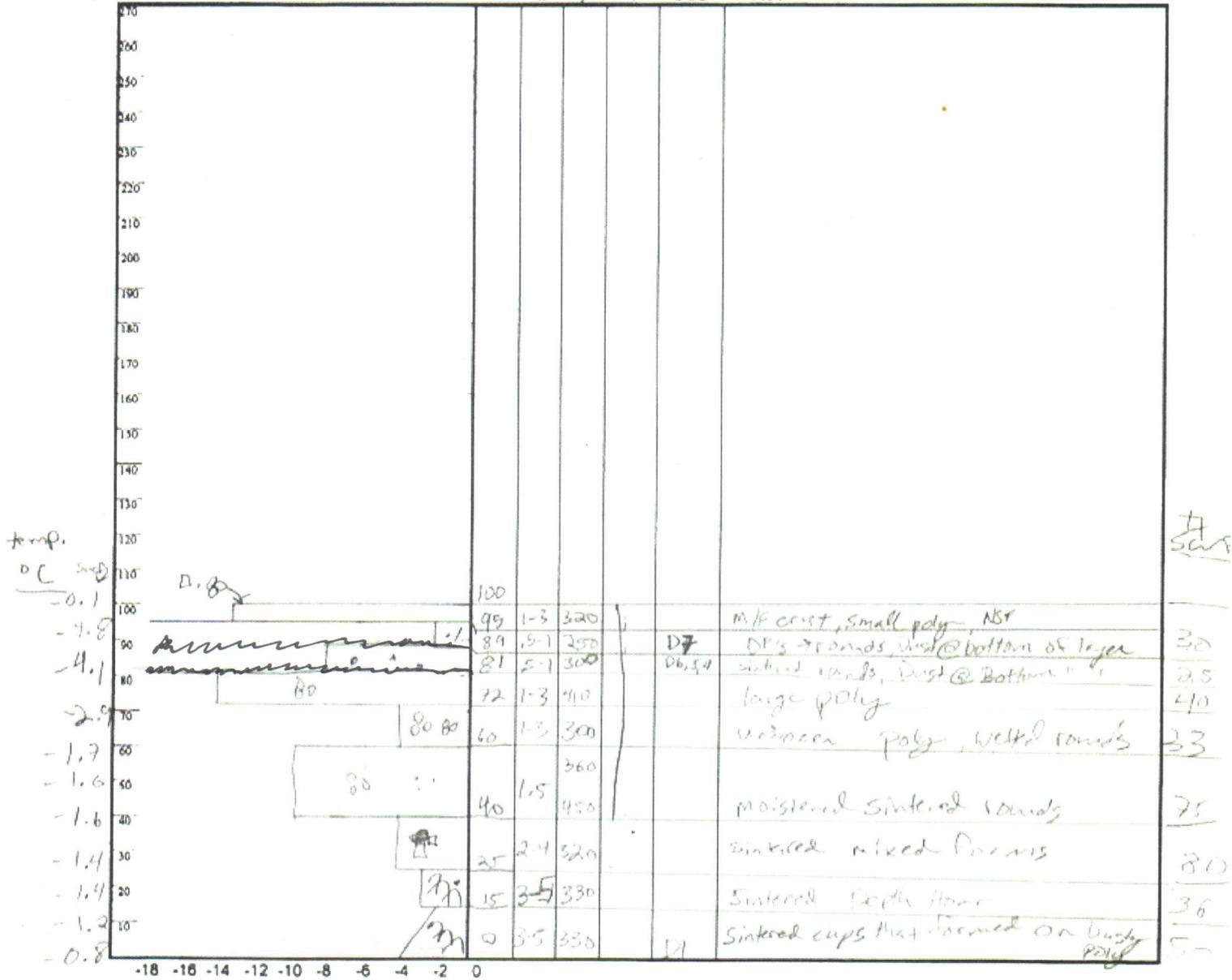
Total Snowpack SWE: 368 mm H₂O

HS Norm: 1.03 m

Mean ρ : 357.28 kg/m³

Notes: _____

T° K P 1F 4F F H E ρ θ DOD Notes



Notes:

Observers: AT + PS

Center for Snow and Avalanche Studies

Profile # 5

Time: 0930

Snowpack Profile

Date: 5 / 8 / 18

Location: S BSP

Elev. 12180

Aspect: n/o

Boot Pen: 2 cm

∠: 0°

Air T: 6.0 °C

Sky: 0

Precip: no

Wind: light

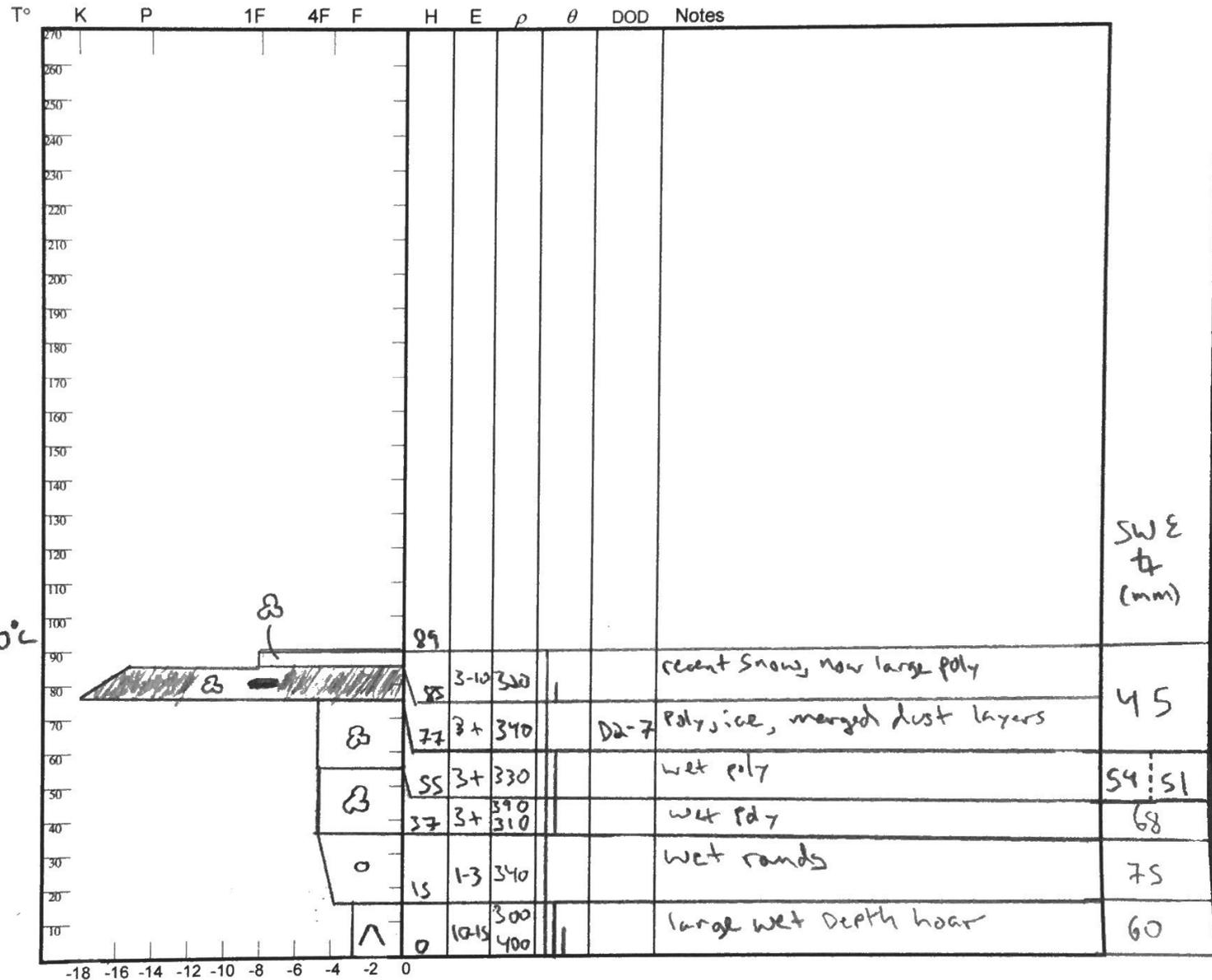
Prior Pit: # 4; 4 / 25 / 18

Total Snowpack SWE: 353 mm H₂O

HS Norm: 0.89 m

Mean ρ: 396.6 kg/m³

Notes: _____



Temps
all 0.0°C
↓

Notes: Dust exposed or visibly close to surface on most of landscape