

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

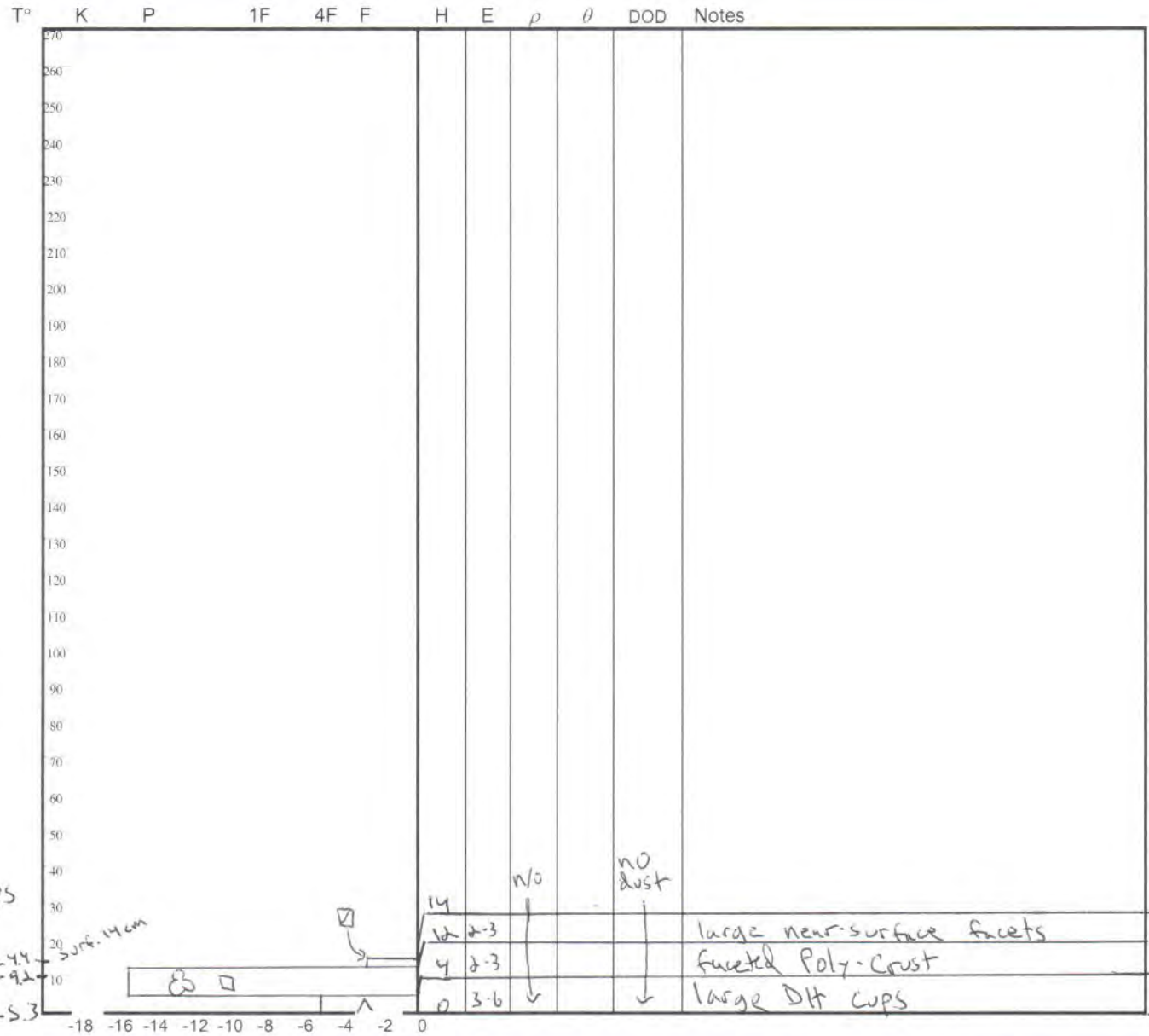
Prior Pit: # n/a; 1/1

Total Snowpack SWE: 46 mm H₂O

HS Norm: 0.13 m

Mean ρ: 353.8 kg/m³

Notes: _____



SWE
4
46mm

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

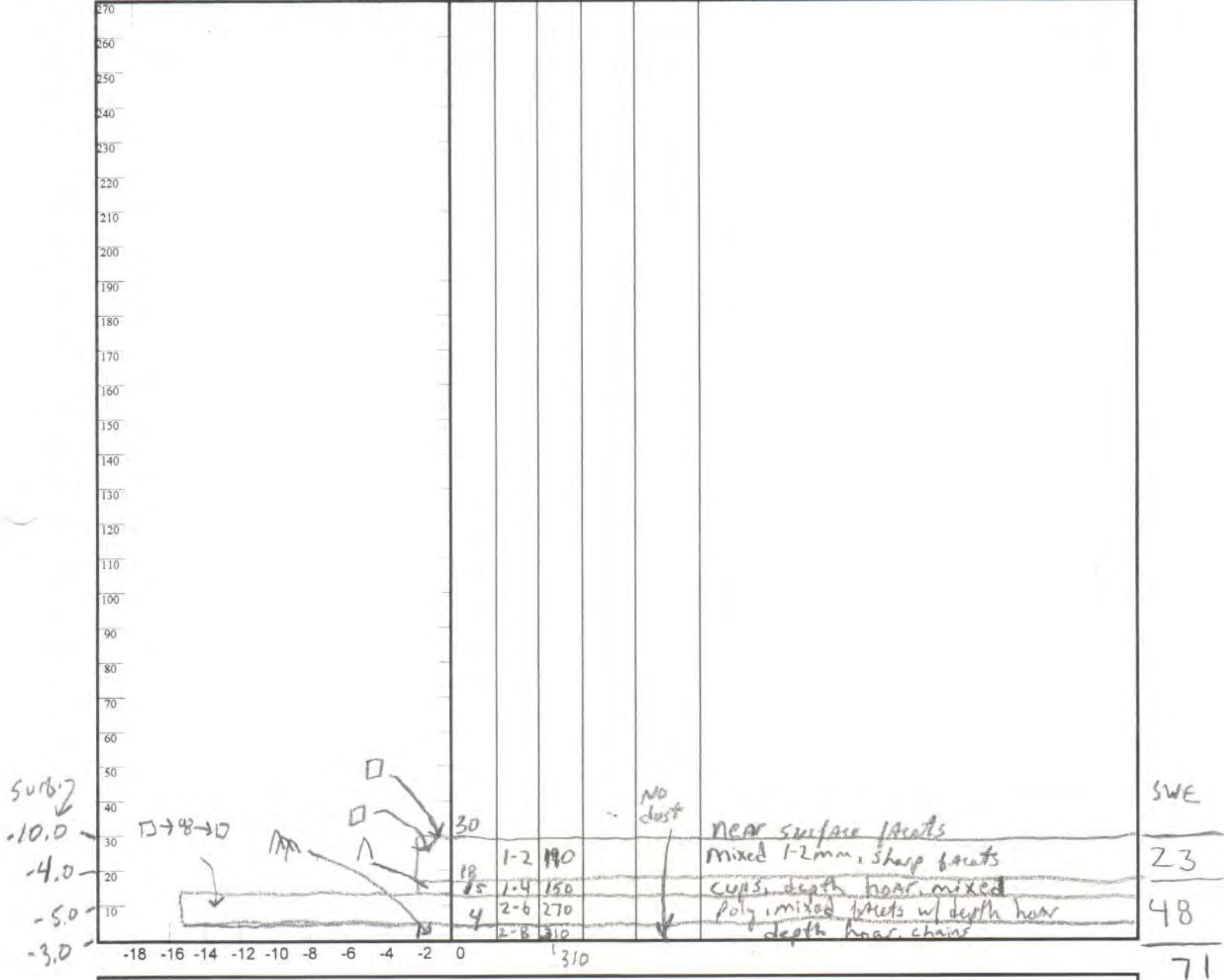
Date: 1/1/2018

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

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Profile # 3

Time: 1520

Snowpack Profile

Date: 1/16/18

Location: SASP

Elev. 11,060'

Aspect: N

Boot Pen: 35 cm

∠: 3°

Air T: -4 °C

Sky: 0

Precip: NO

Wind: LT

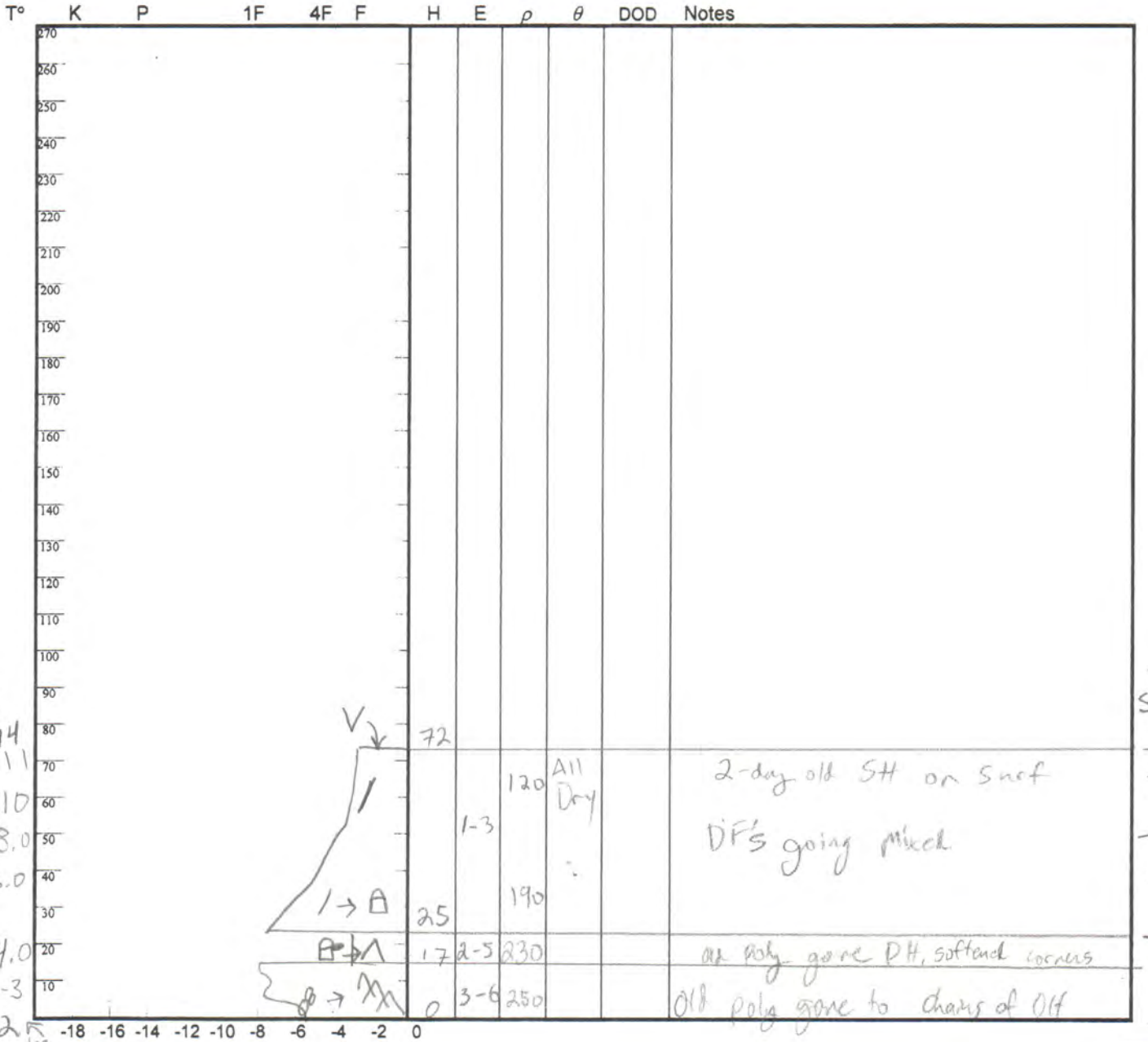
Prior Pit: # 2; 1/1/2018

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: 21/1/2018

Location: SASP

Elev. 11,050

Aspect: N

Boot Pen: 50 cm

\angle : 0 °

Air T: 2 °C

Sky: ⊕

Precip: NO

Wind: Lt

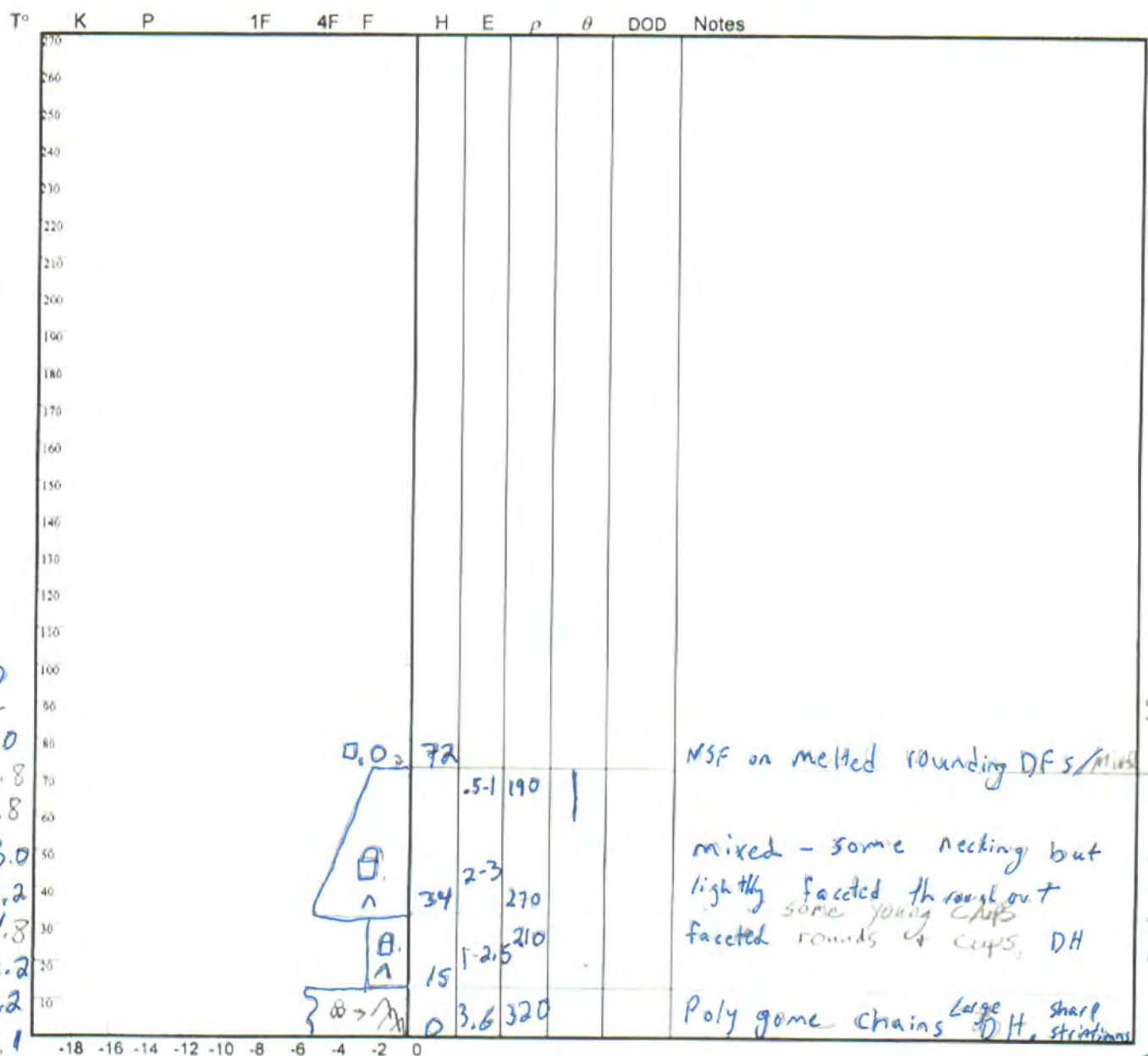
Prior Pit: # 3 ; 7/16/2018

Total Snowpack SWE: 181 mm H₂O

HS Norm: 0.76 m

Mean ρ : 238 kg/m³

Notes: _____



Notes:

Observers: 90/ps

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Profile # 5

Time: 2:03

Snowpack Profile

Date: 2/16/2018

Location: SASP

Elev. 11,060' Aspect: N

Boot Pen: 49 cm \angle : 3 °

Air T: -1.8 °C Sky: ⊕

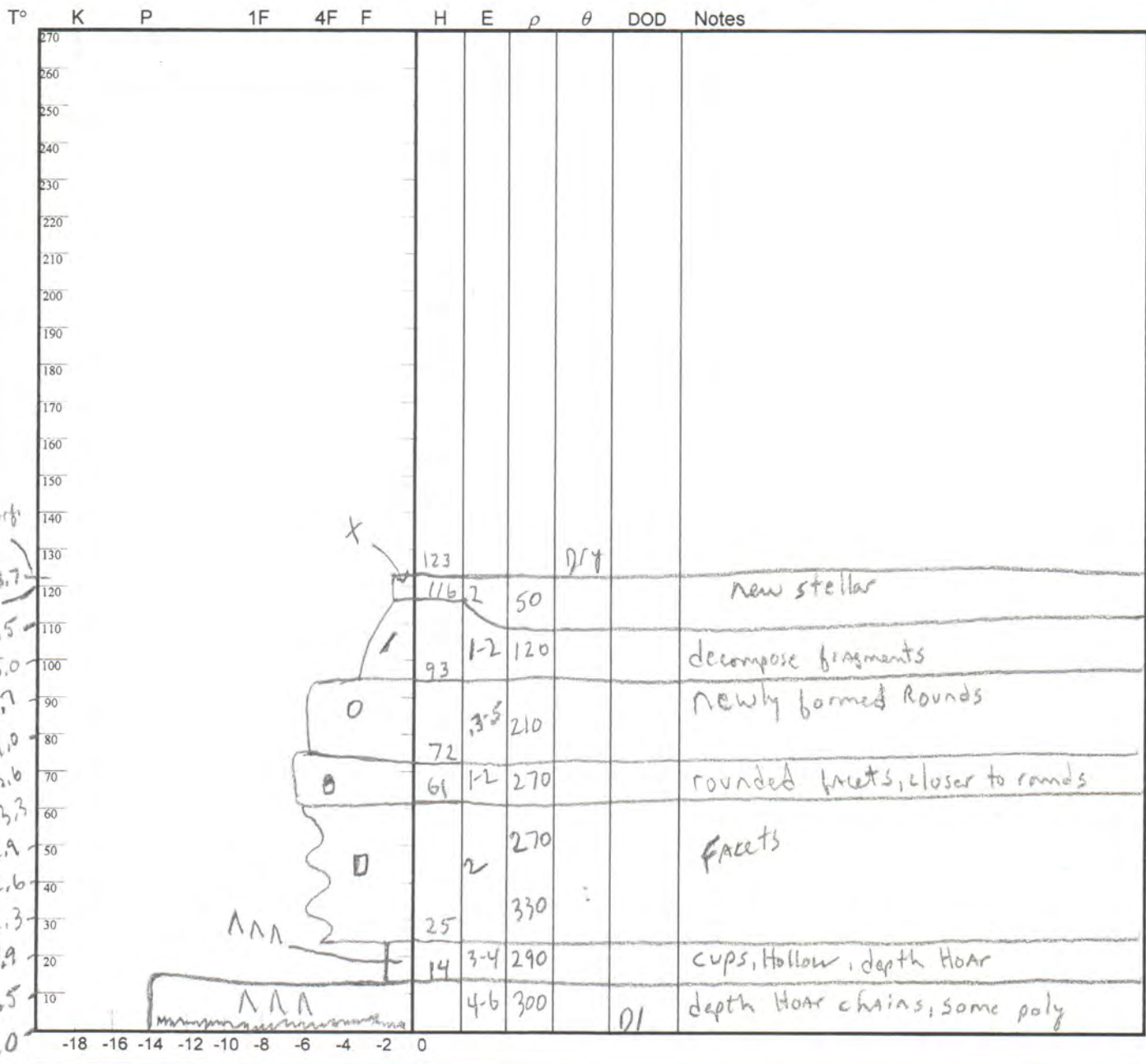
Precip: nil Wind: calm

Prior Pit: # 4; 2/11/2018

Total Snowpack SWE: 260 mm H₂O

HS Norm: 1.20 m Mean ρ : 217 kg/m³ Notes: _____

thin cloud cover no dust observed except 01 at base



SWE
 29
 47
 56
 67
 61
 260

Notes: Arrays swept at 1504. All were covered.

Snow Stakes: 1. 130 2. 128
 3. 139 4. 126

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

∠: 2°

Air T: -9 °C

Sky: ☉

Precip: 51

Wind: LT

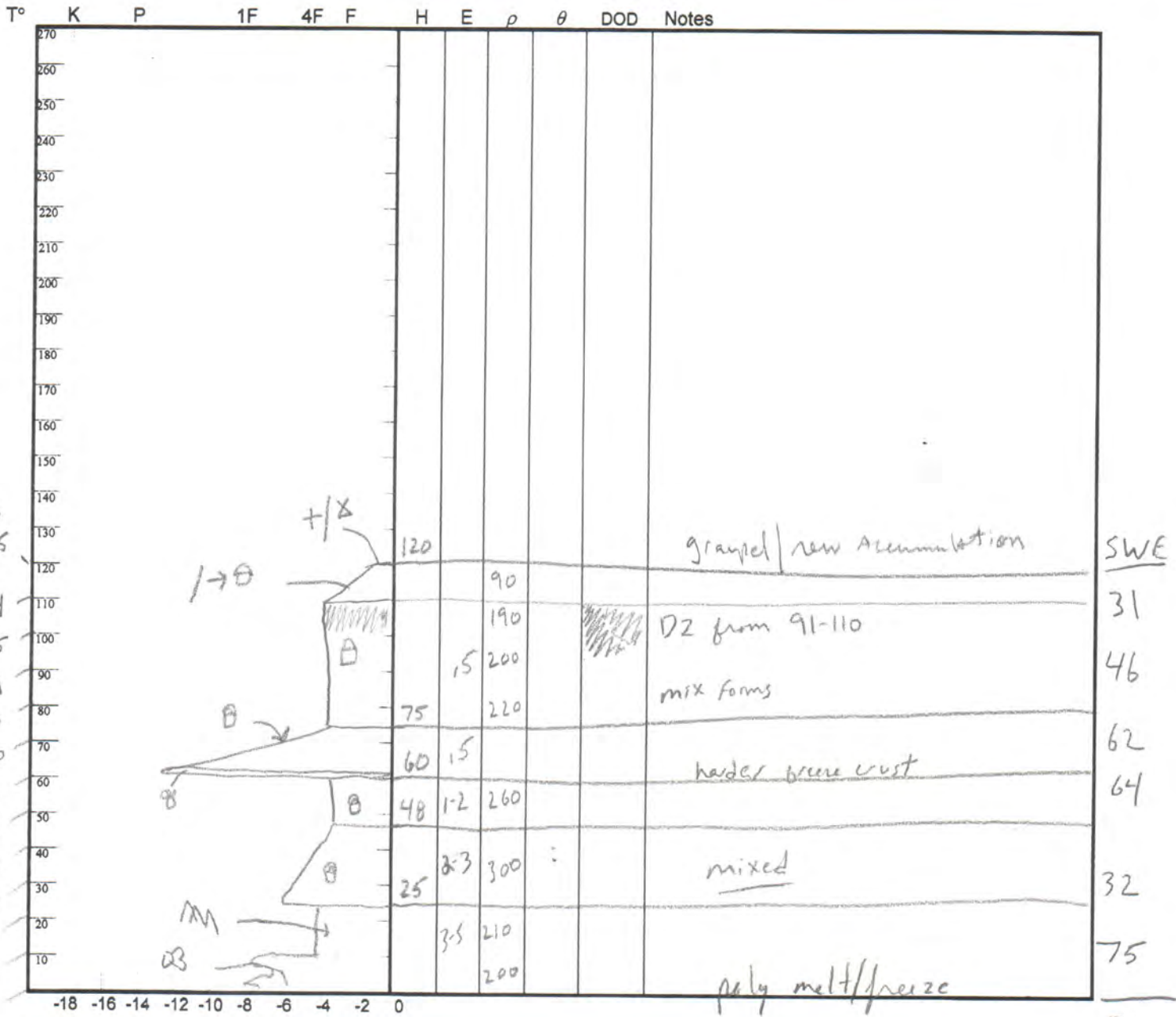
Prior Pit: # 5; 2/16/2018

Total Snowpack SWE: 310 mm H₂O

HS Norm: 120 m

Mean ρ: 258

kg/m³ Notes: _____



Notes:

Observers: JD/KWD

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Profile # 7

Time: 1230

Snowpack Profile

Date: 3/10/2018

Location: SASP

Elev. 14060'

Aspect: N

Boot Pen: 19 cm

∠: 3 °

Air T: 2 °C

Sky: ☉

Precip: nil

Wind: Mod

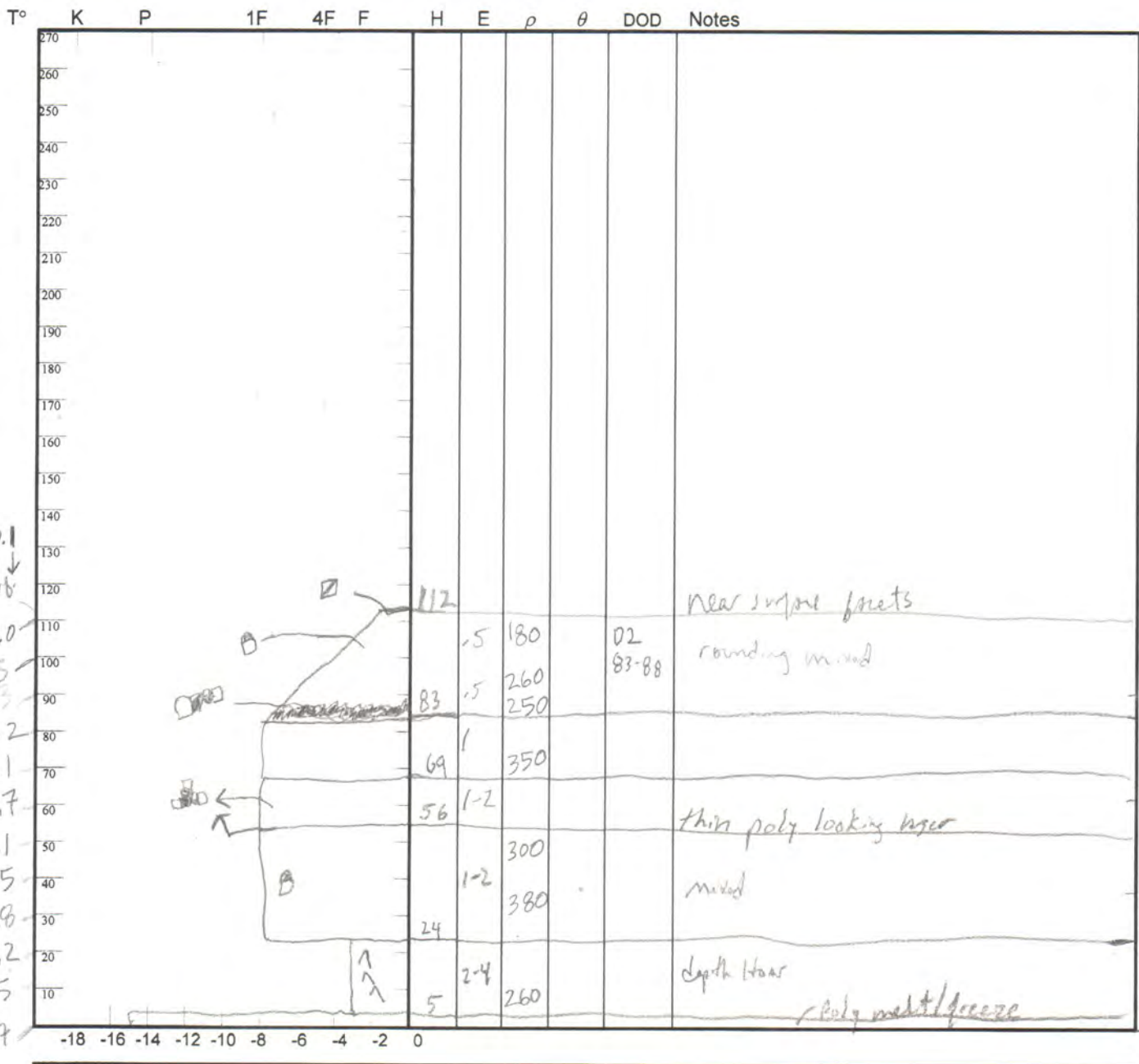
Prior Pit: # 6; 2/28/2018

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

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Profile # 8

Time: 1303

Snowpack Profile

Date: 03 / 17 / 2018

Location: SASP

Elev. _____

Aspect: ESE

Boot Pen: 14 cm

∠: 2 °

Air T: -2.4 °C

Sky: ⊙

Precip: NO

Wind: L

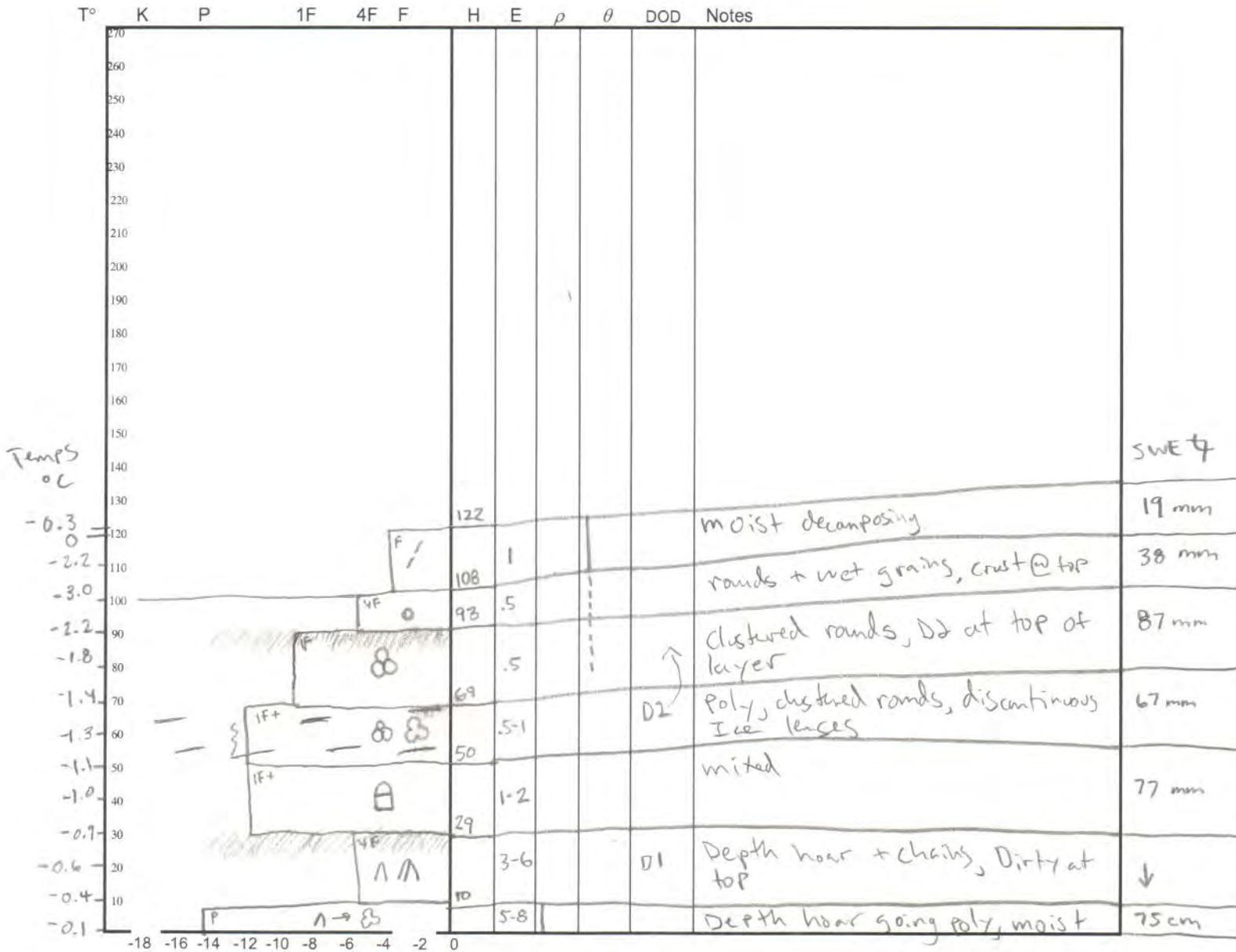
Prior Pit: # 7; 3/10/18

Total Snowpack SWE: 363 mm H₂O

HS Norm: 121 cm

Mean ρ: 300 kg/m³

Notes: _____



Notes:

Observers: AT

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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: 17

Prior Pit: # 8 : 3/17/18

Total Snowpack SWE: 376 mm H₂O

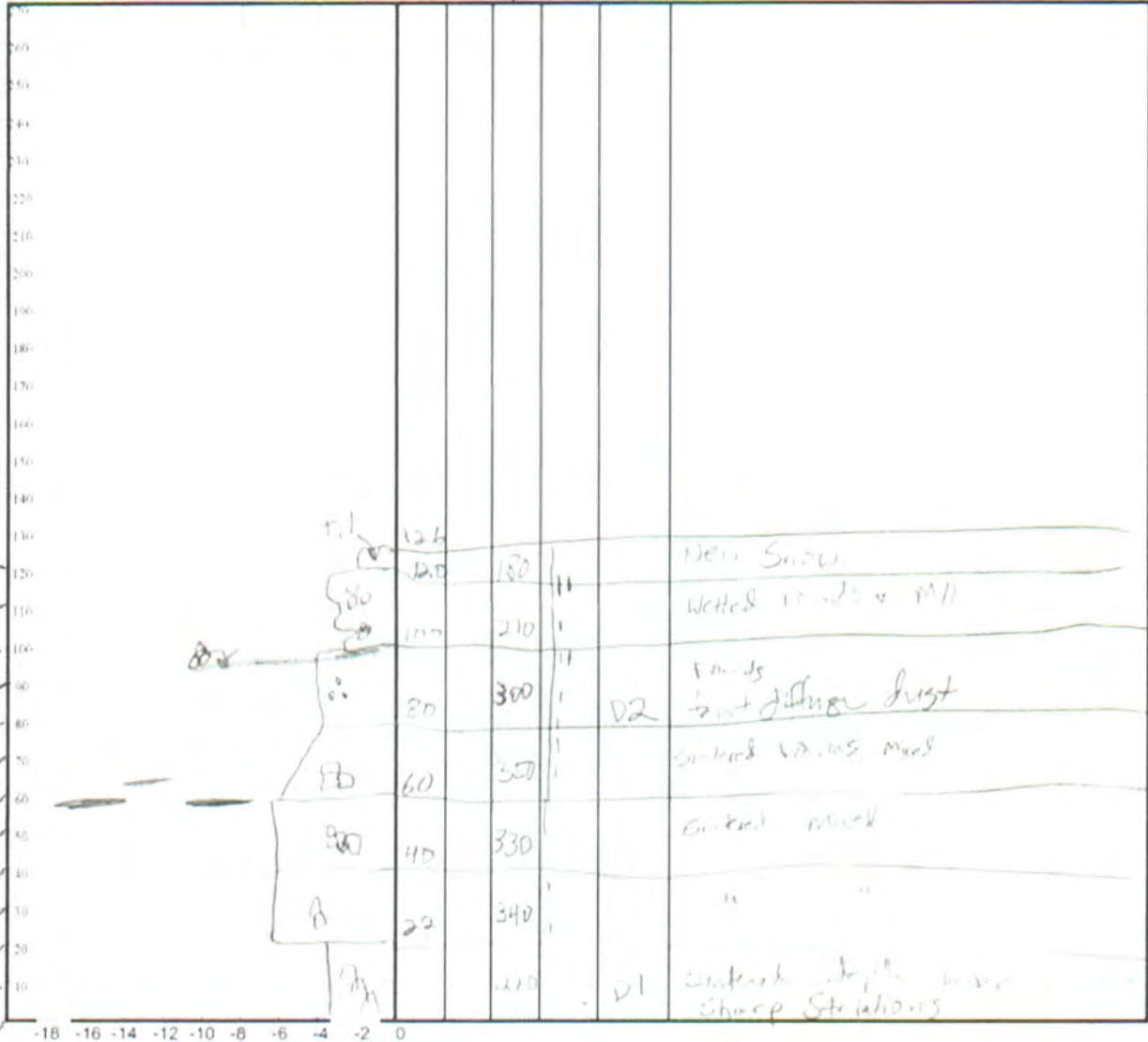
HS Norm: 1.30 m

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

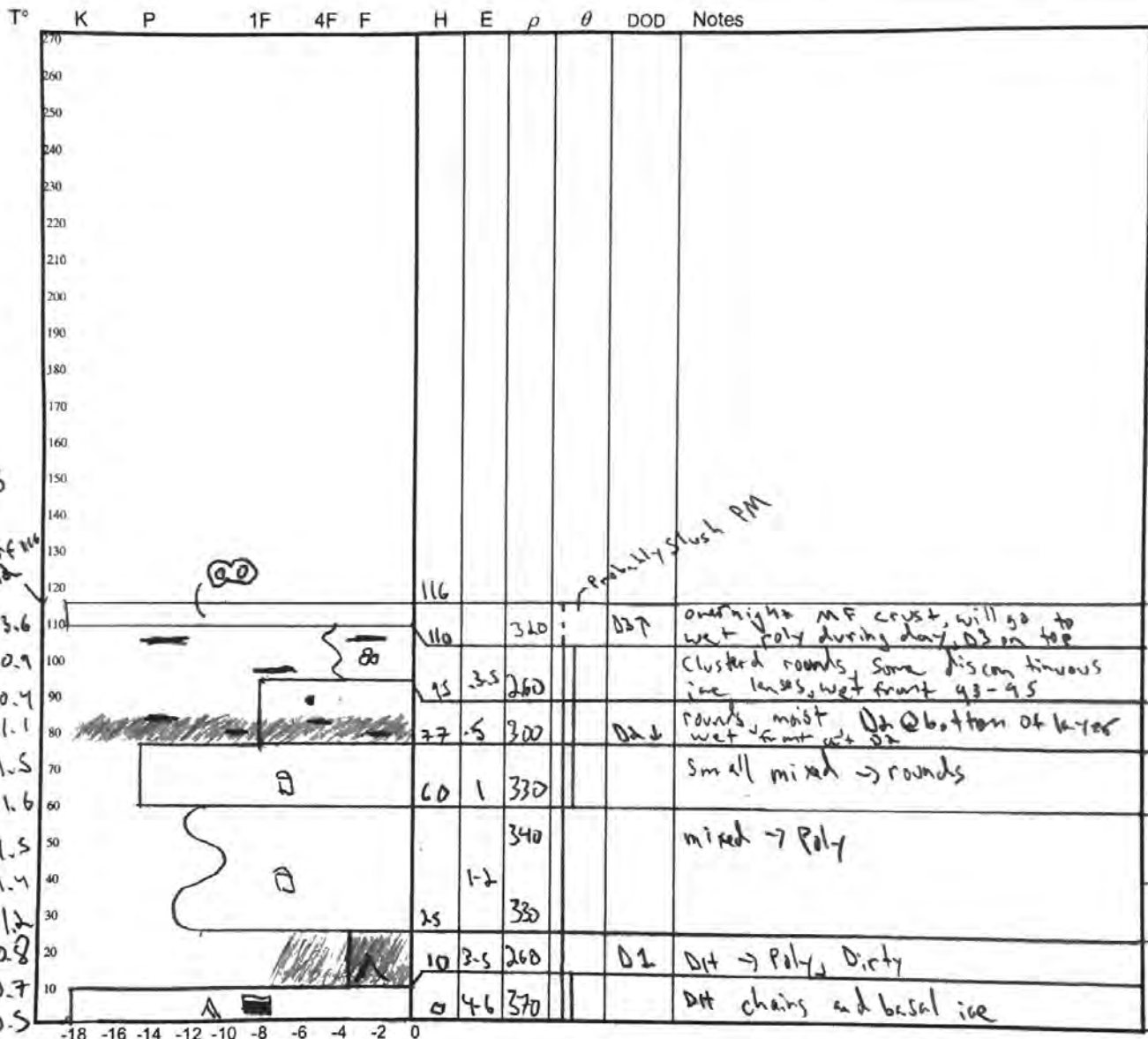
Prior Pit: # 9; 3/23/18

Total Snowpack SWE: 373 mm H₂O

HS Norm: 1.13 m

Mean ρ : 330-1 kg/m³

Notes: _____



Notes: Arrays Clear Snow stakes: 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

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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: ☉

Precip: no

Wind: Calm

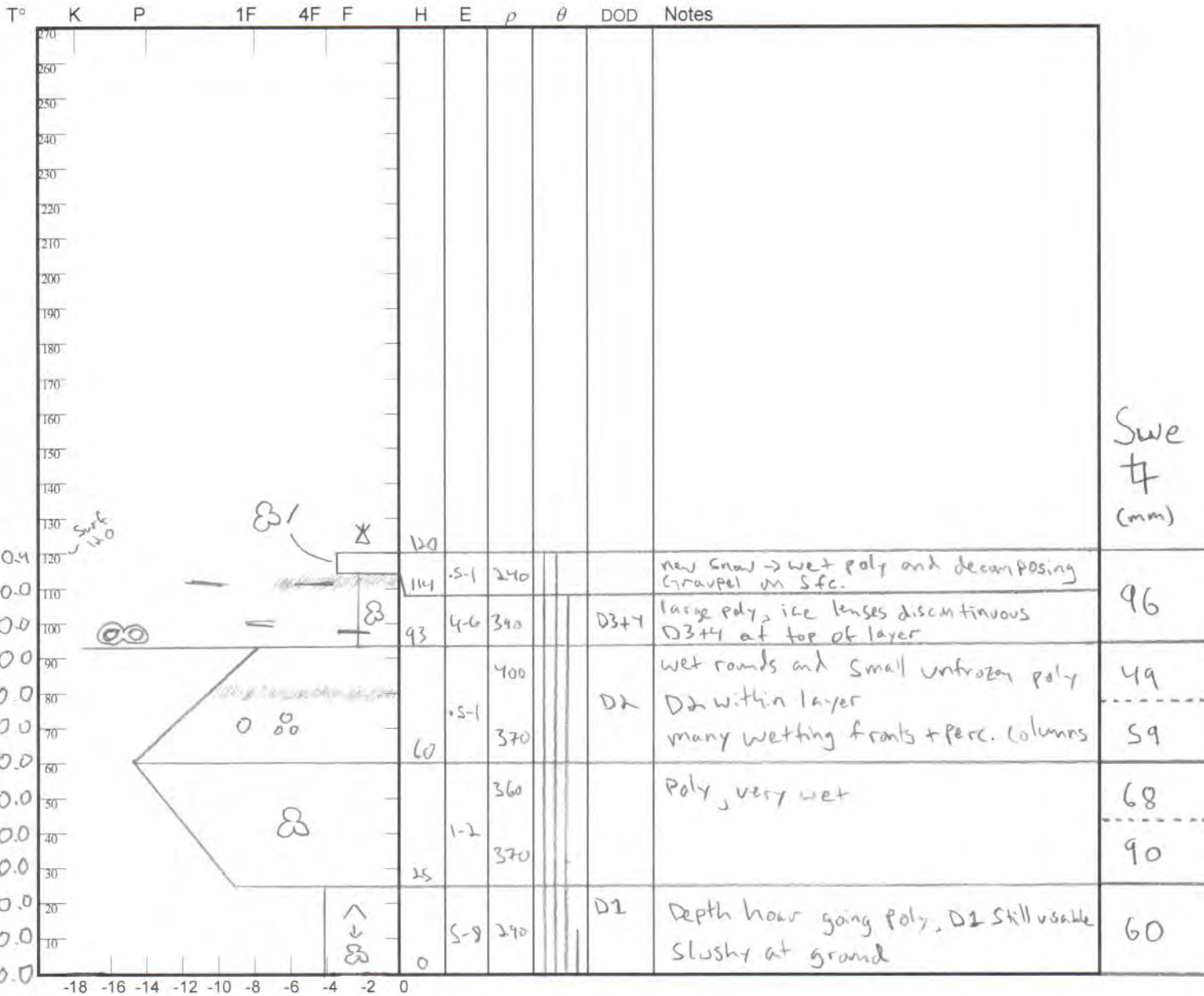
Prior Pit: # 10; 4/1/18

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

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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: nd

Wind: calm

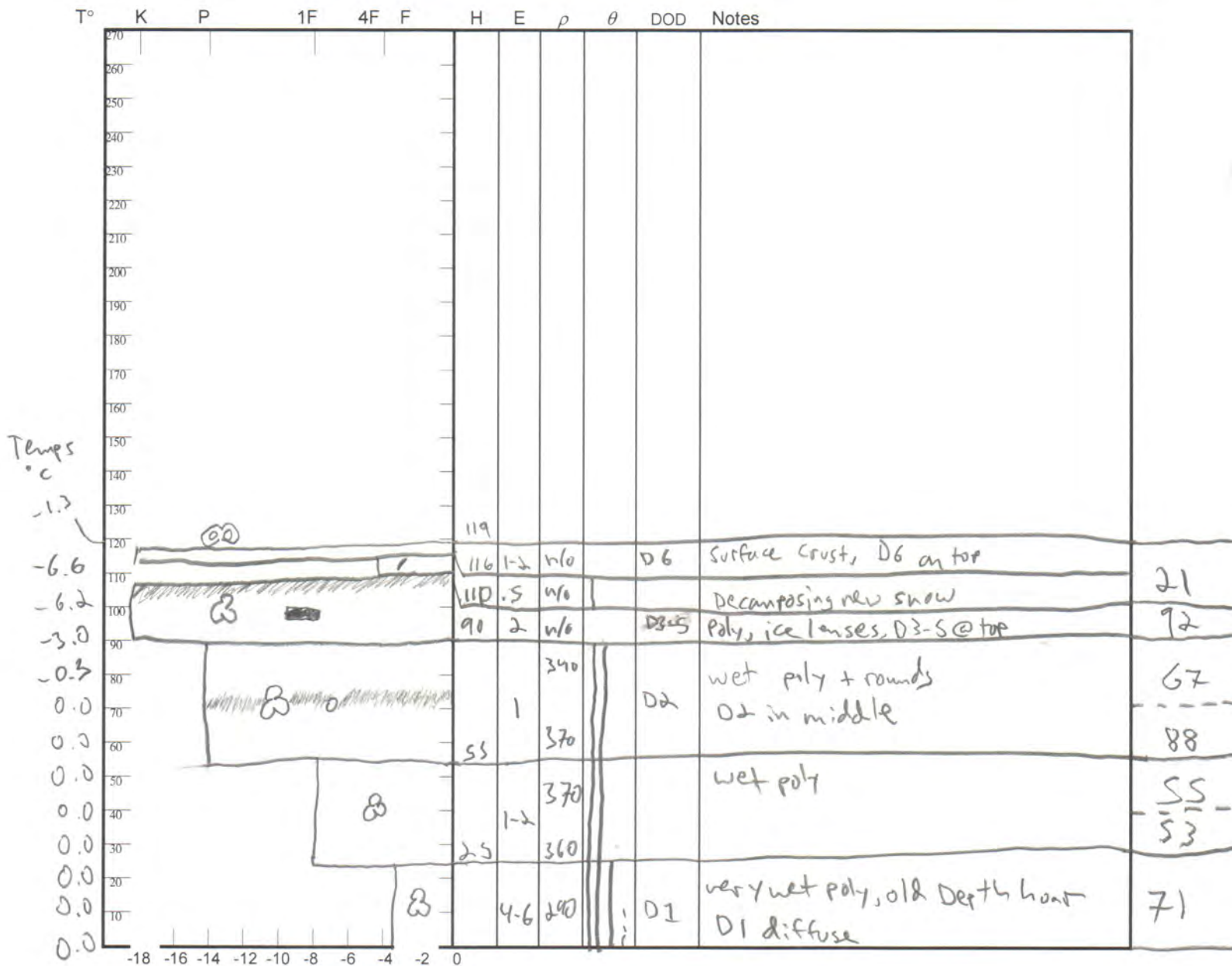
Prior Pit: # 11; 4/8/2018

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

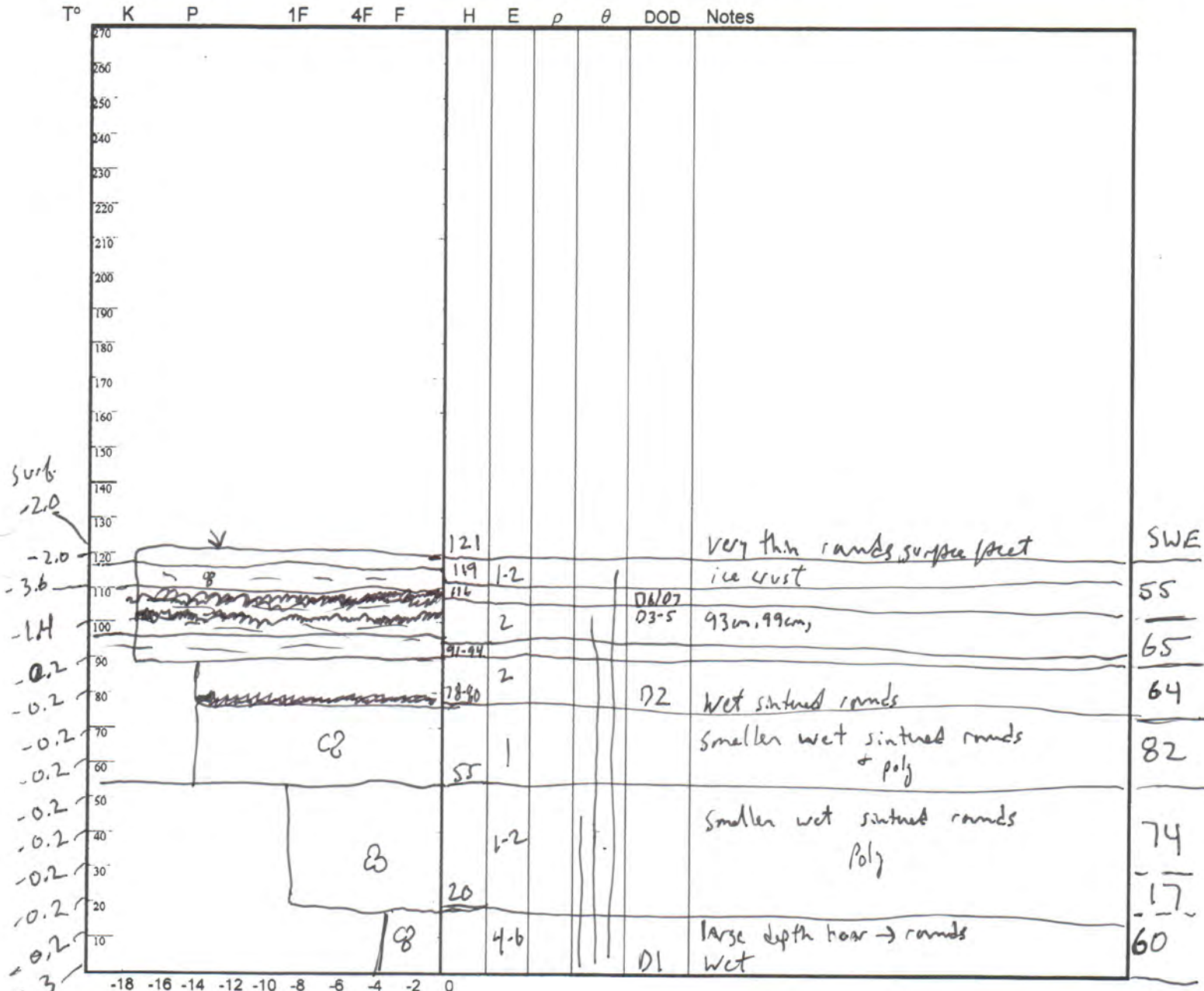
Mean ρ : 356 kg/m³

Notes: _____

D6/07 = 1.14-1.16 m

D3-5 = 1.11-1.05

D2 = 78-90 cm



Notes:

Observers: PS

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Profile # 141

Time: 1230

Snowpack Profile

Date: 5/1/18

Location: SASP

Elev. 11060

Aspect: ESE

Boot Pen: 4 cm

\angle : 2°

Air T: -0.1°C

Sky: ⊕

Precip: no

Wind: light

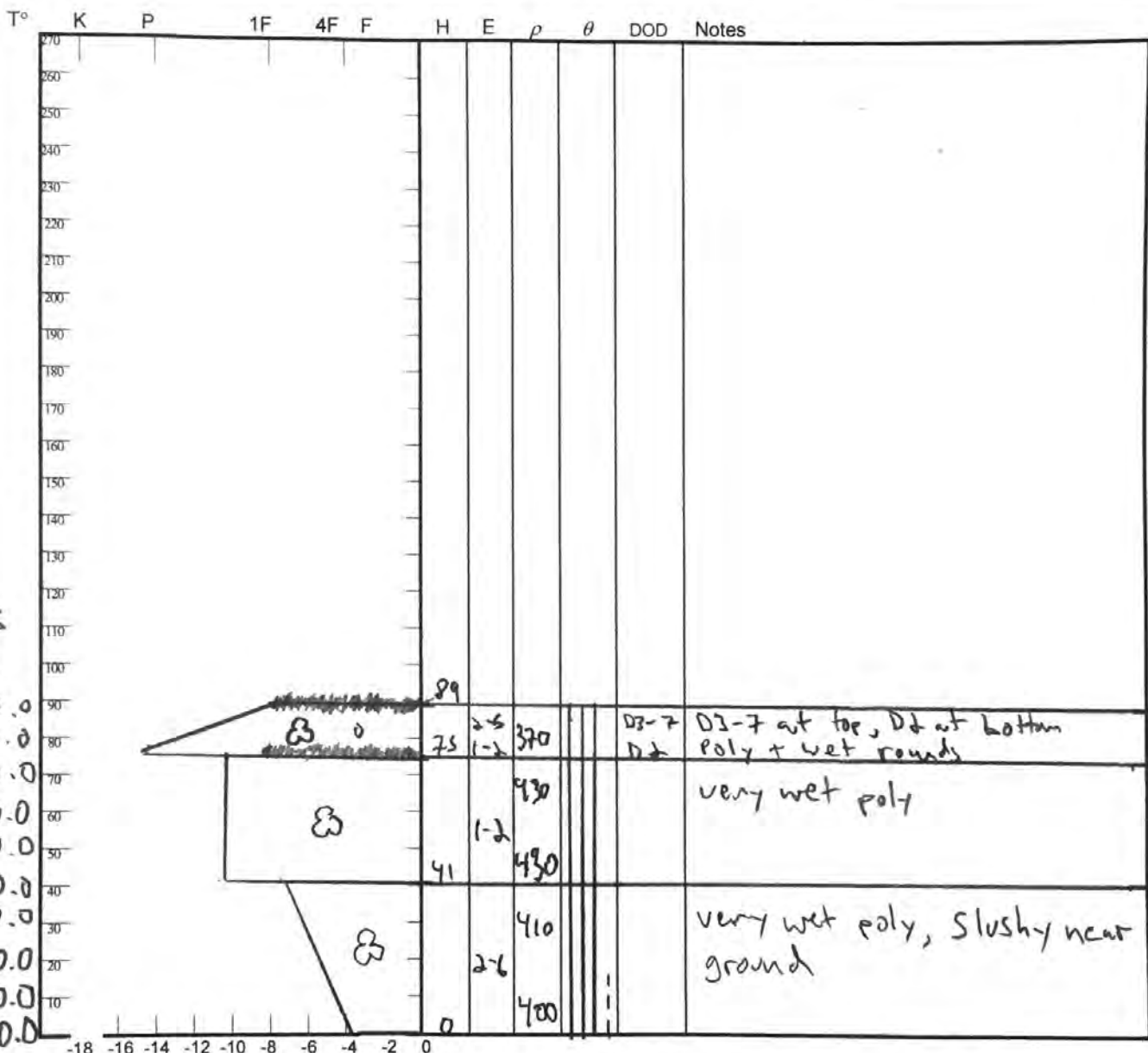
Prior Pit: # 13; 4/25/18

Total Snowpack SWE: 374 mm H₂O

HS Norm: 0.87 m

Mean ρ : 429.9 kg/m³

Notes: _____



Notes: D3-7 are merged and on the surface. D2 is ~10 cm below. Full snowpack is very wet

Observers: AT + PS

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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

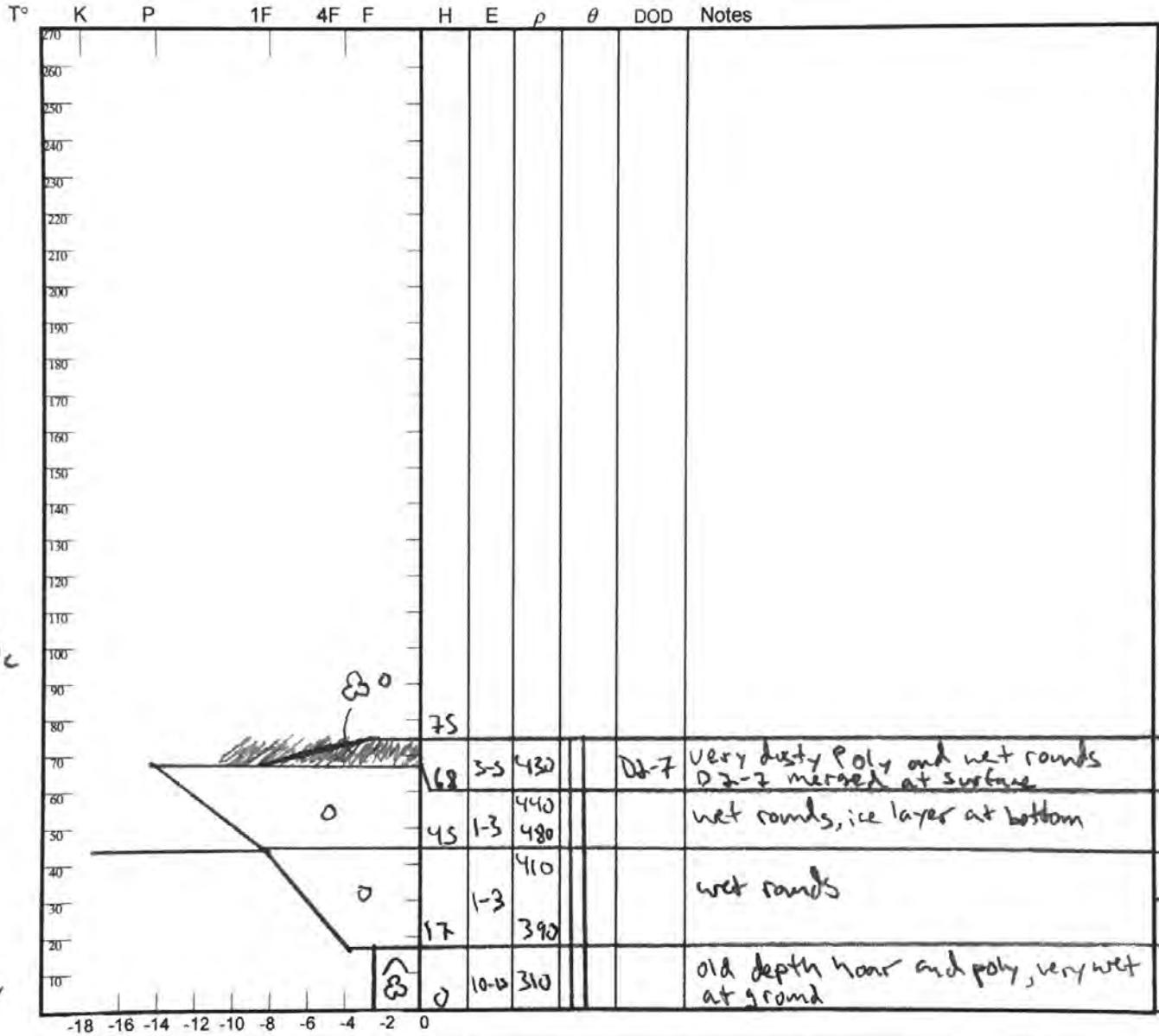
Prior Pit: # 14: 5/1/18

Total Snowpack SWE: 332 mm H₂O

HS Norm: 0.77 m

Mean ρ : 431.2 kg/m³

Notes: _____



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-

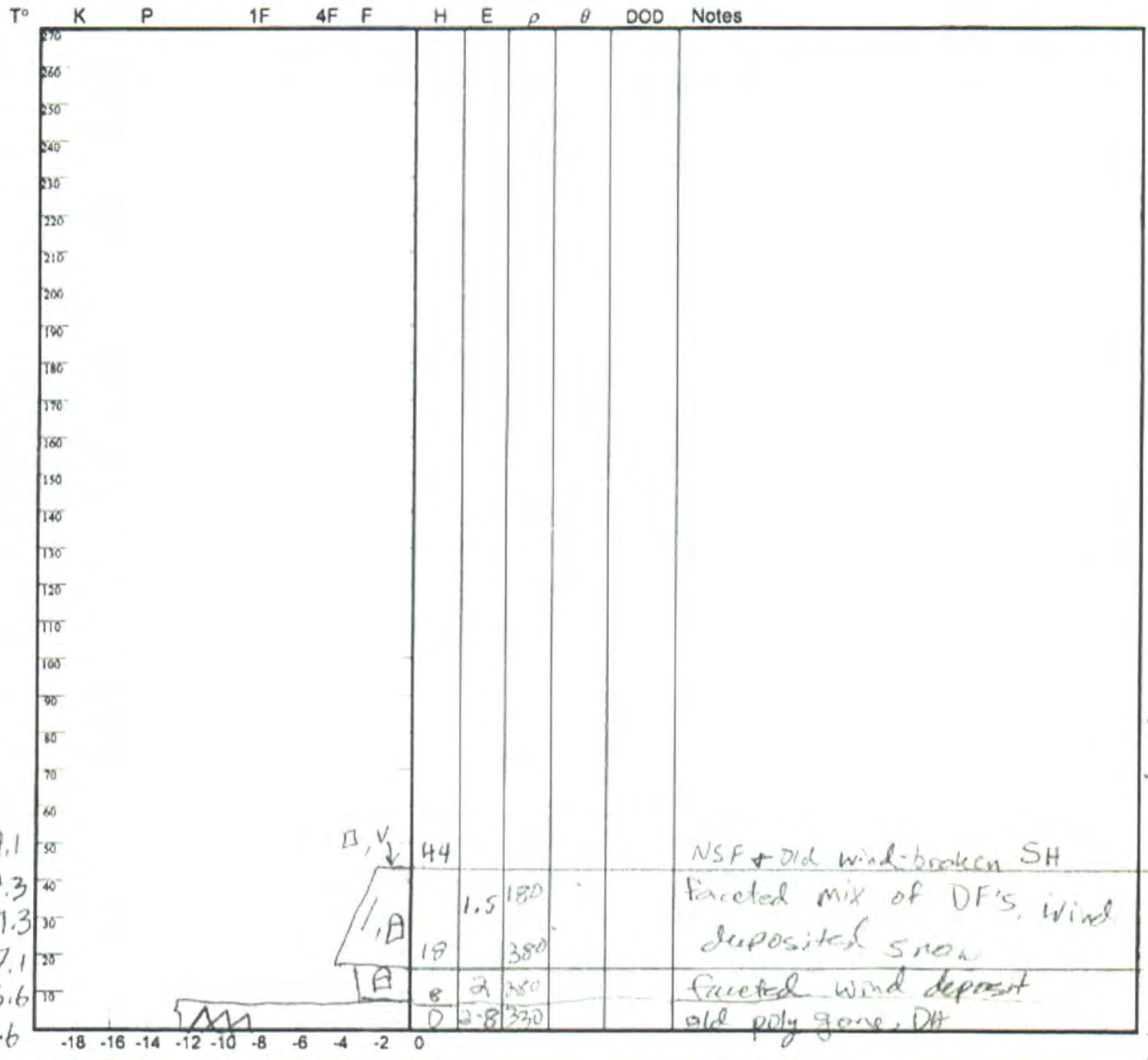
Total Snowpack SWE: 93 mm H₂O

HS Norm: 0.42 m

Mean ρ 221 kg/m³

Notes: Study plot

heavily wind affected



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: SBS P

Elev. 12,200 Aspect: N

Boot Pen: 6 cm \angle : 2 °

Air T: -6 °C Sky: 0

Precip: NO

Wind: LT

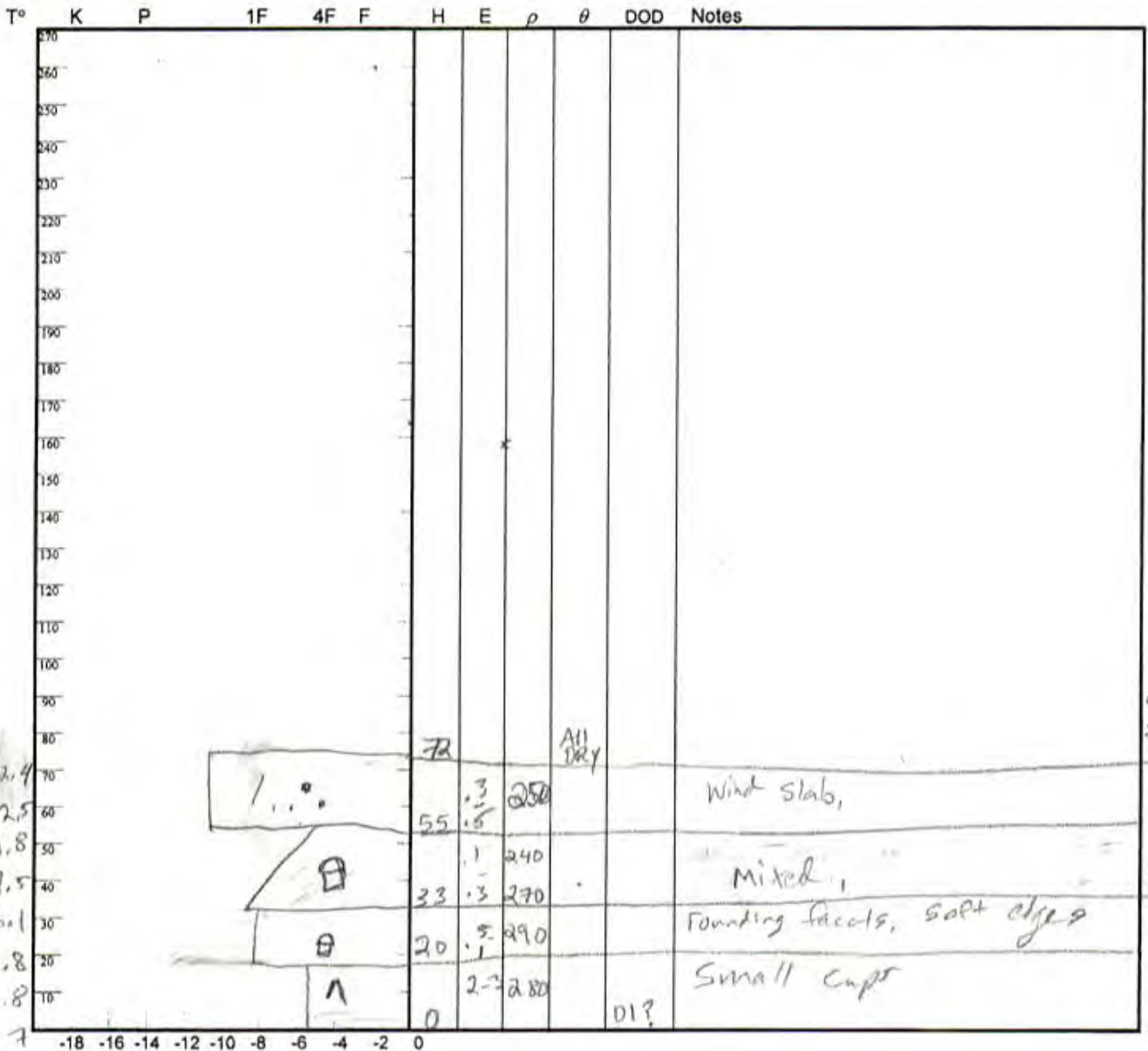
Prior Pit: # _____; _____

Total Snowpack SWE: 195 mm H₂O

HS Norm: 0.67 m

Mean ρ : 291 kg/m³

Notes: _____



temp
 -6.0
 -12.4
 -12.5
 -9.8
 -7.5
 -6.1
 -4.8
 -3.8
 -2.7

4
 5
 6
 3
 4

Notes:

Observers: AY+PS

Center for Snow and Avalanche Studies

Profile # 3

Time: 1145

Snowpack Profile

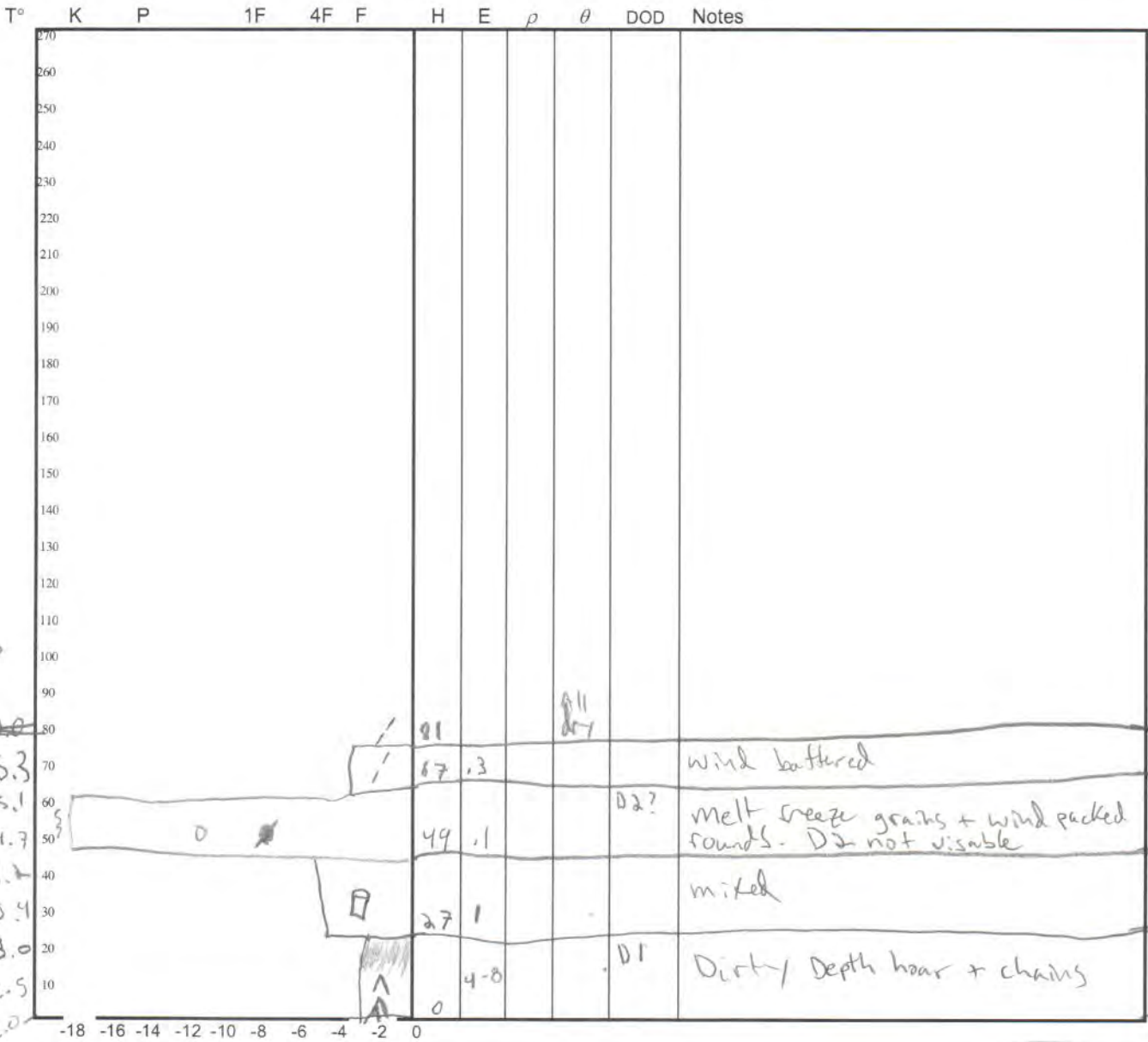
Date: 3/17/18

Location: CBSP

Elev. 11086 Aspect: ENE Boot Pen: 12 cm \angle : 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:



temps
°C

-4.6

-5.3

-5.1

-4.7

-4.2

-3.4

-3.0

-2.5

-2.0

SWE

17

83

58

82

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

Observers: AT

Center for Snow and Avalanche Studies

Profile # 4

Time: 12:45

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

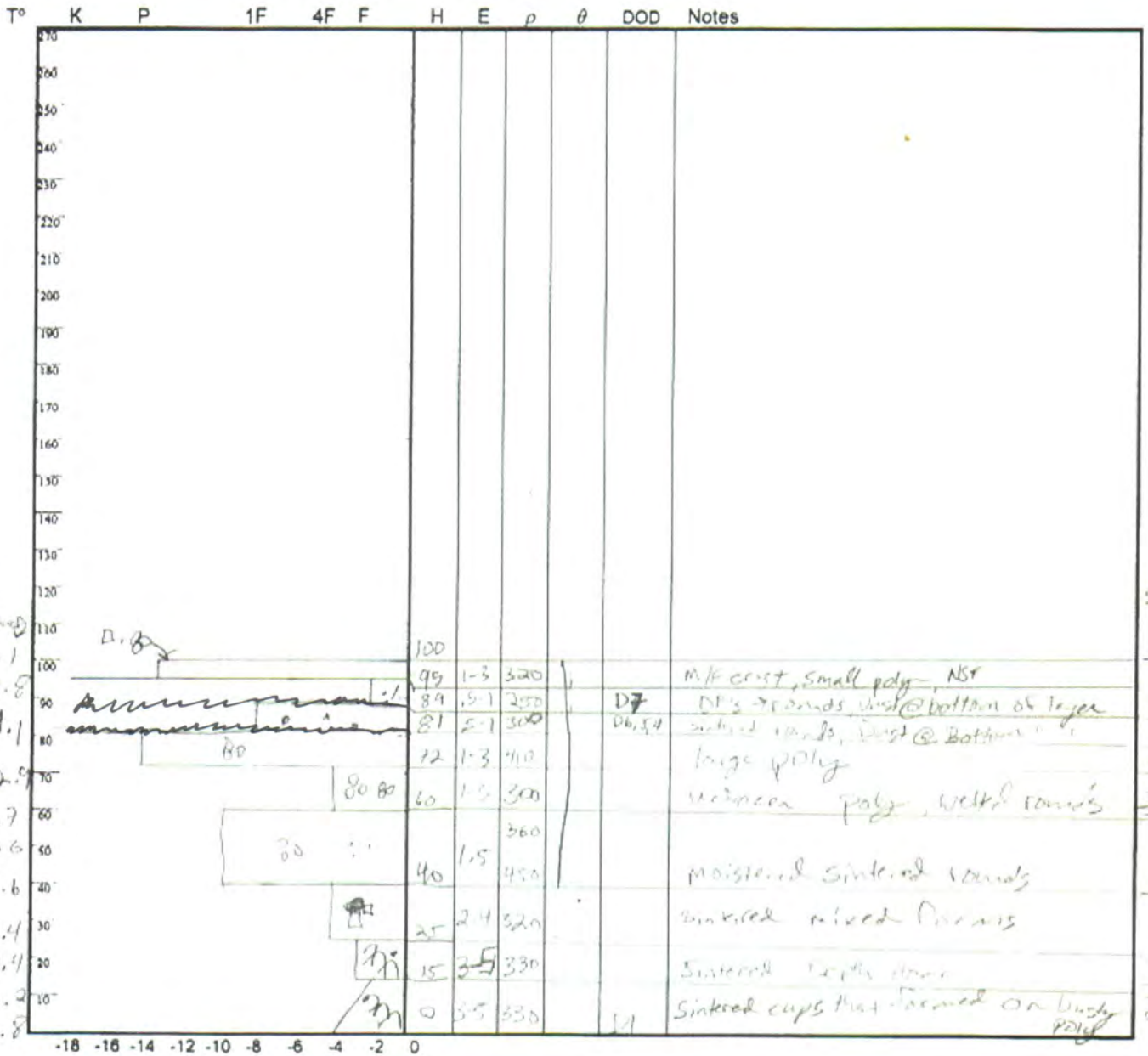
Prior Pit: # 3; 3/17/18

Total Snowpack SWE: 368 mm H₂O

HS Norm: 1.03 m

Mean ρ : 357.28 kg/m³

Notes: _____



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

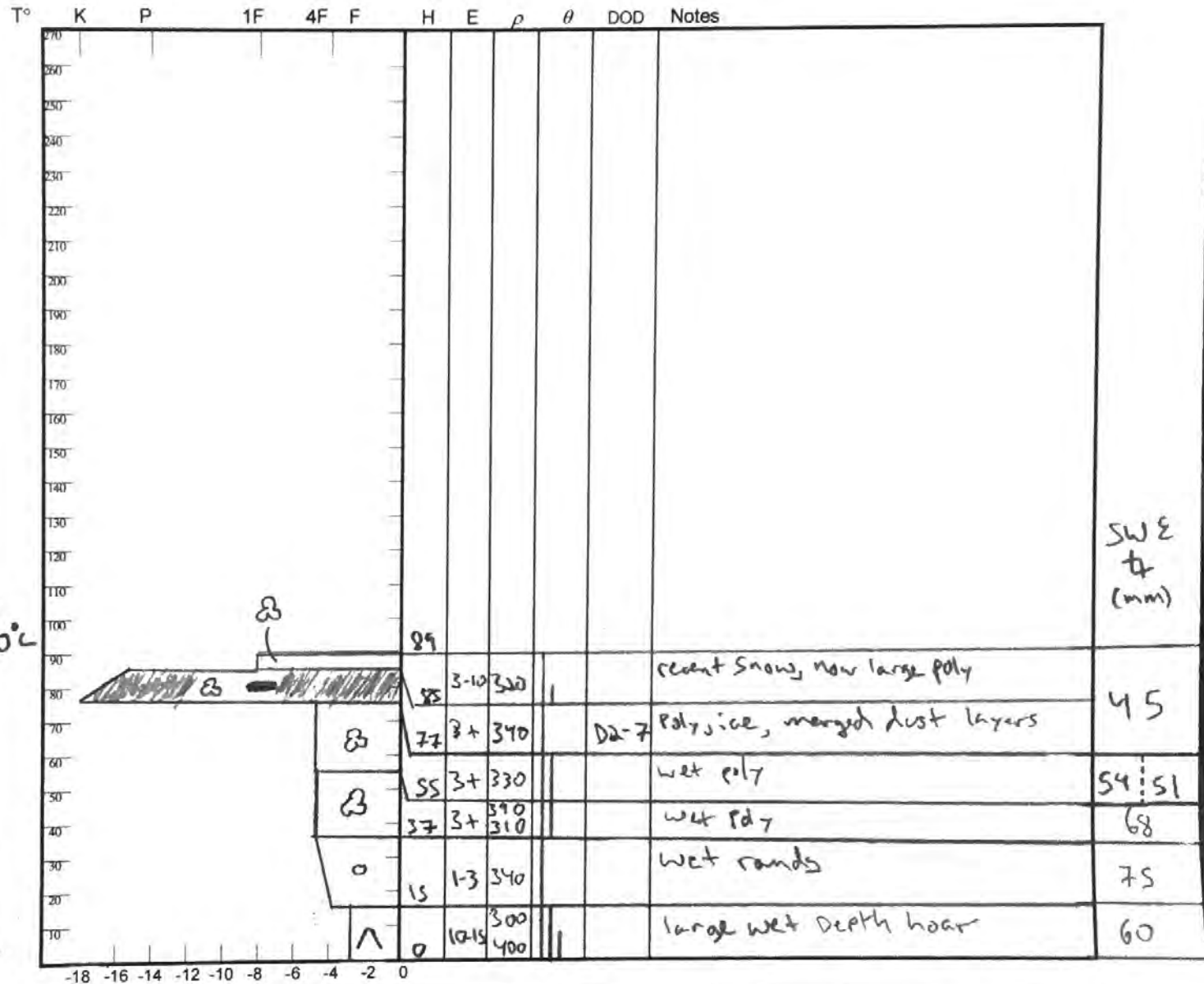
Prior Pit: # 4; 4 / 25 / 18

Total Snowpack SWE: 353 mm H₂O

HS Norm: 0.89 m

Mean ρ: 396.6 kg/m³

Notes: _____



Temp
all 0.0°C

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