

Observers: JW, CL

Center for Snow and Avalanche Studies

Profile # 1

Time: 10:07

Snowpack Profile

Date: 12/01/2014

Location: SASP

Elev. 11,060' Aspect: NE Boot Pen: 37 cm \angle : 3°

Air T: -1 °C Sky: 0

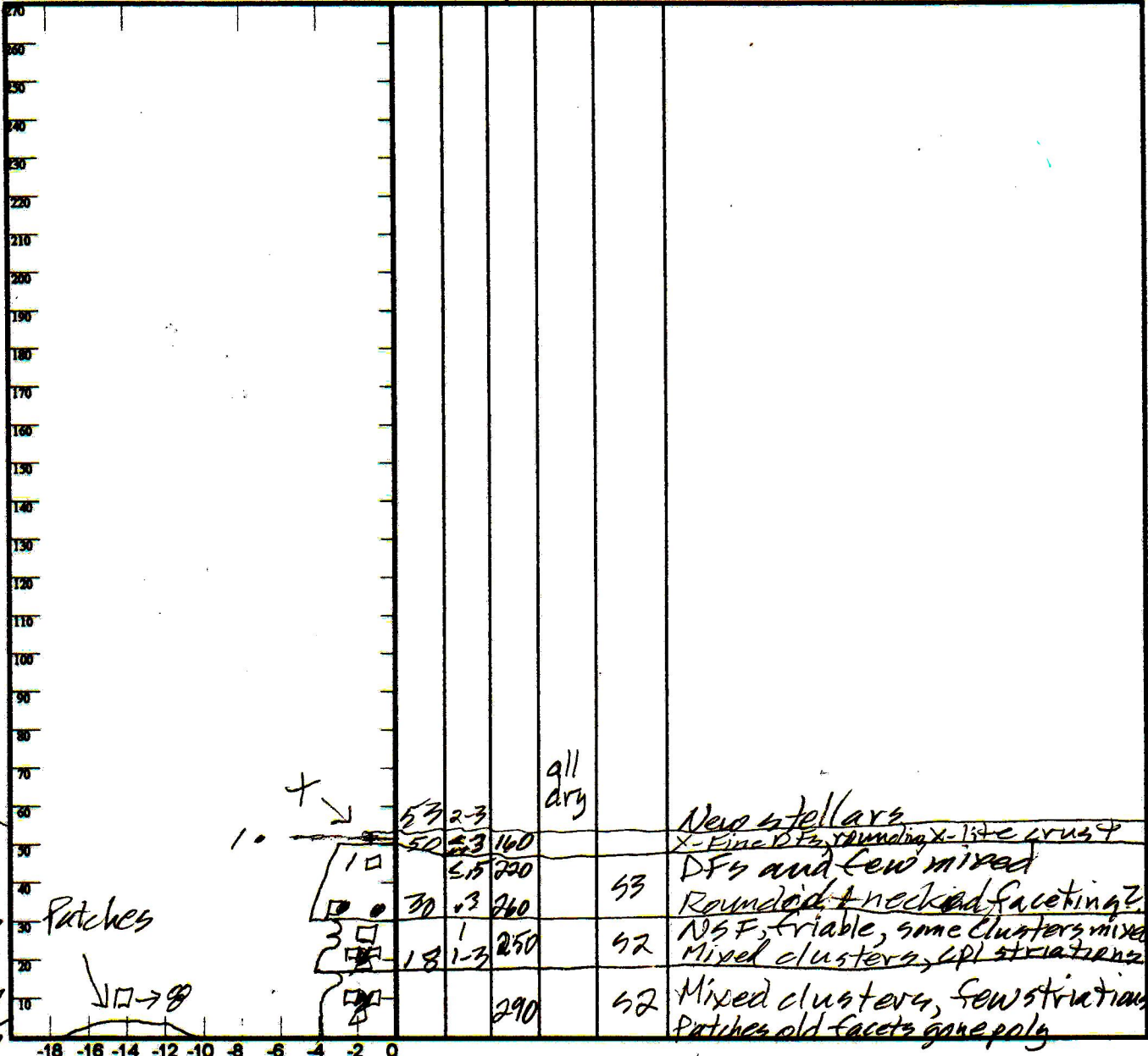
Precip: NO Wind: LT Prior Pit: # 1; 1-1

Total Snowpack SWE: 123 mm H₂O

Notes: HST = 0.53m; $\rho = 232 \text{ kg/m}^3$

No dust observed

T° K P 1F 4F F H E ρ θ DOD Notes



Surf -6.7
-9.7
-17.1
-4.3 Patches
-2.8
-1.7
-0.5

4
SWE
—
46
—
29
—
38
TD

| Potential Slab | | | Weak Layer & Bed Surface | | | | | | |
|----------------|--|---|--------------------------|---|-----|---|---|----|---------------|
| Ref | H ₂ O _{Nor} + H _{Nor} = ρ_{kg} | Sin \angle x H _{Nor} x ρ x 9.8 = T_{slab} | F | E | Twl | S | C | RB | Shear Quality |
| A | mm + m = | x x x 9.8 = | | | | | | | |
| B | mm + m = | x x x 9.8 = | | | | | | | |

Notes:

Observers: JW, CL

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Profile # 2

Time: 10:41

Snowpack Profile

Date: 12 / 2 / 2014

Location: SBSP

Elev. 12,180'

Aspect: NE

Boot Pen: 9 cm

\angle : 3°

Air T: 1.0°C

Sky: ①

Precip: NIL

Wind: lgt

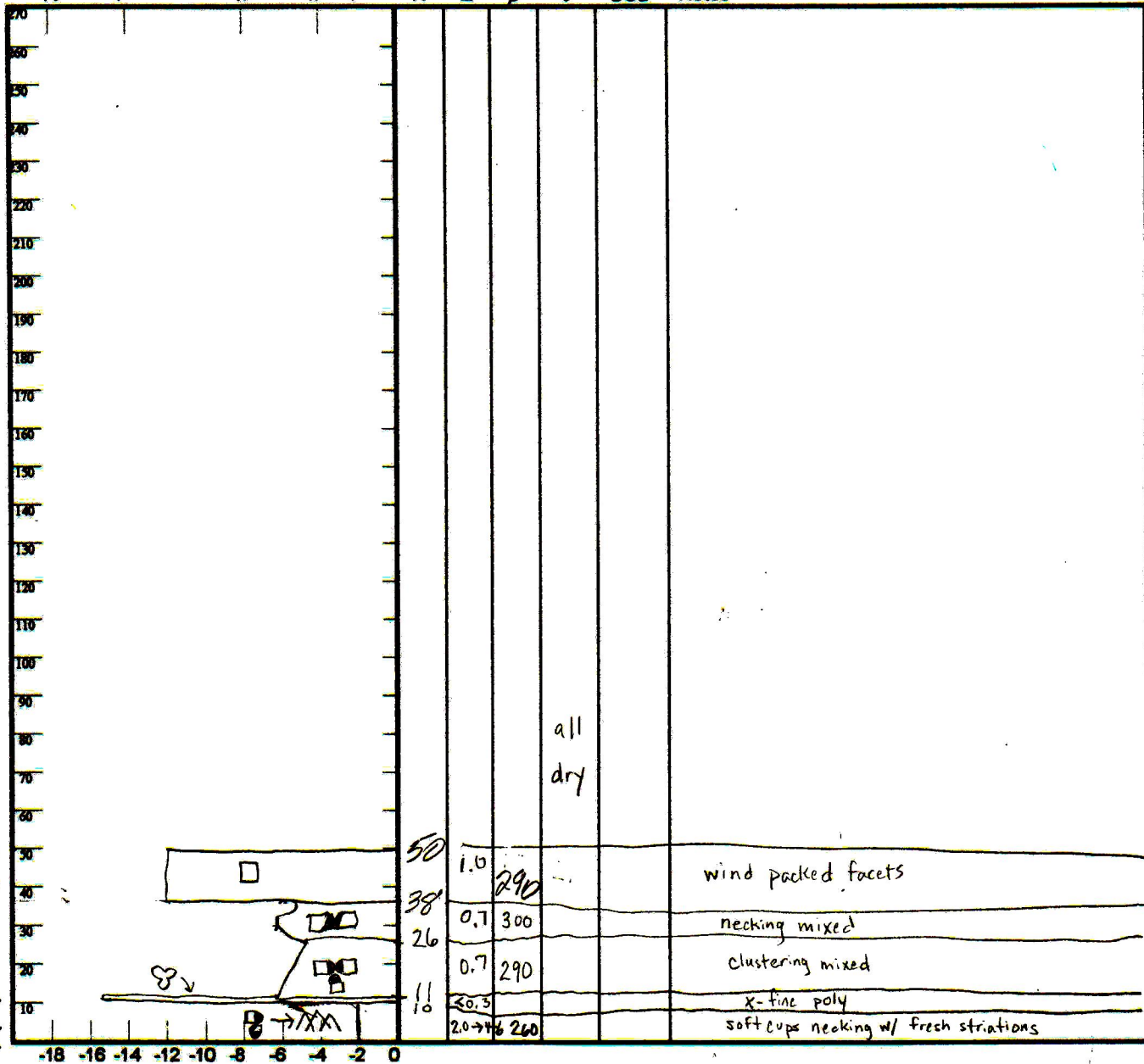
Prior Pit: # ; / /

Total Snowpack SWE: 143 mm H₂O

Notes: HS $\frac{1}{7} = 0.52m$ m; $\rho = 275$ kg/m³

No dust observed

T° K P 1F 4F F H E ρ θ DOD Notes



surf
 -7.2
 -11.0
 -8.3
 -4.7
 -2.6
 -0.5

4
 SWE
 30
 36
 45
 32

| Potential Slab | | | | Weak Layer & Bed Surface | | | | | | |
|----------------|--|---|--|--------------------------|---|-----------------|---|---|----|---------------|
| Ref | H ₂ O _{Nor} + H _{Nor} = ρ_{iq} | Sin \angle x H _{Nor} x ρ x 9.8 = T_{slab} | | F | E | T _{WL} | S | C | RB | Shear Quality |
| A | mm + m = | x x x 9.8 = | | | | | | | | |
| B | mm + m = | x x x 9.8 = | | | | | | | | |

Notes:

Observers: JW, CL

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Profile # 3

Time: 1105

Snowpack Profile

Date: 01/02/2015

Location: SBSP

Elev. 12180'

Aspect: NE

Boot Pen: 014 cm \angle : 3 °

Air T: -11 °C Sky: 0

Precip: NO

Wind: W

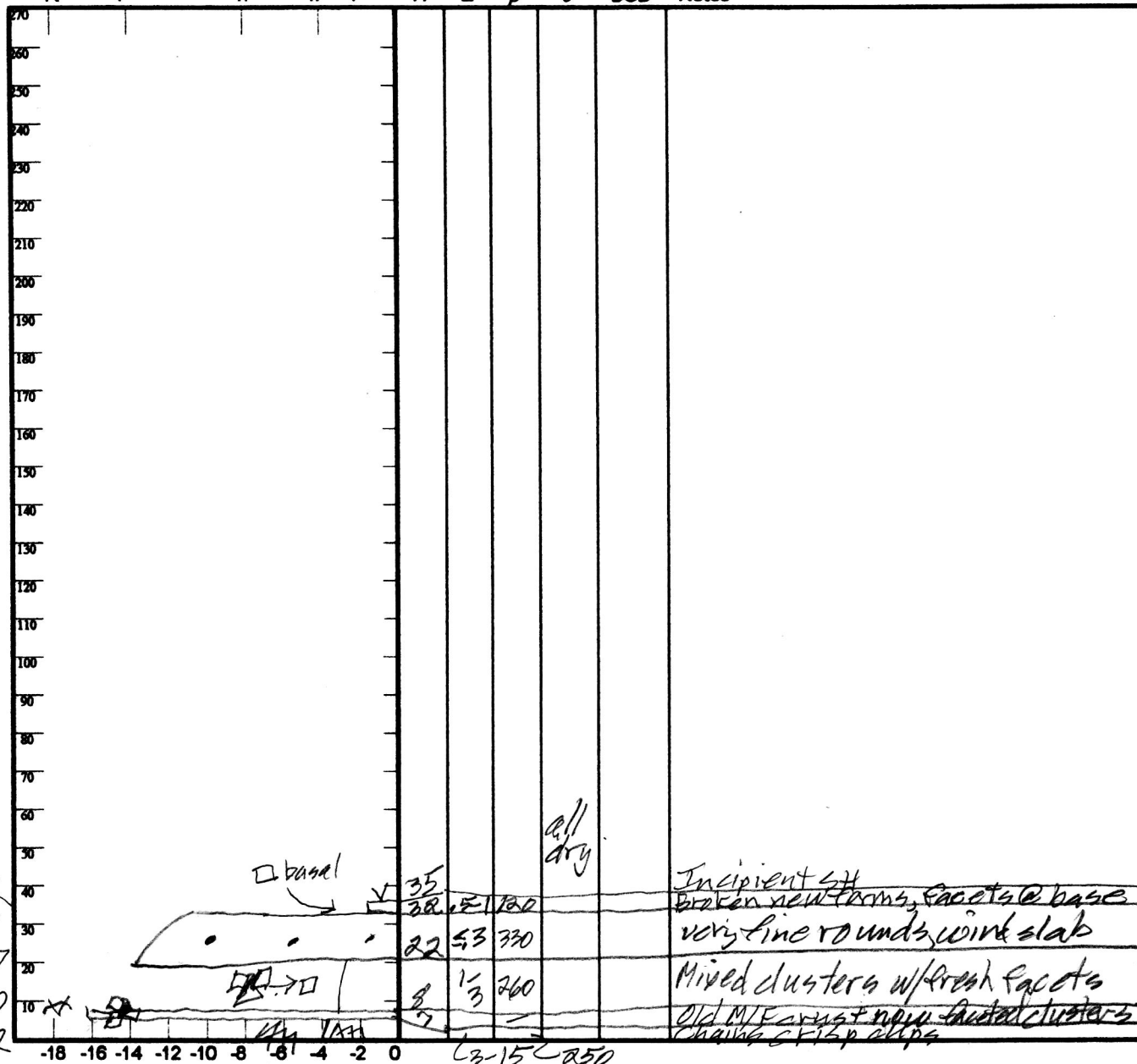
Prior Pit: # 2; 121214

Total Snowpack SWE: 90 mm H₂O

Notes: H₅₄ = 0.33 m; $\rho = 242$ kg/m³

no dust observed

T° K P 1F 4F F H E ρ θ DOD Notes



Surf
 -16.2
 -14.1
 -8.7
 -6.0
 -1.2

SWE
 7
 3
 23
 54

| Potential Slab | | | | Weak Layer & Bed Surface | | | | | | |
|----------------|--|--|--|--------------------------|---|-----------------|---|---|----|---------------|
| Ref | H ₂ O _{Nor} ÷ H _{Nor} = ρ_{kg} | Sin \angle x H _{Nor} x ρ x 9.8 = T _{Slab} | | F | E | T _{wl} | S | C | RB | Shear Quality |
| A | mm ÷ m = | x x x 9.8 = | | | | | | | | |
| B | mm ÷ m = | x x x 9.8 = | | | | | | | | |
| Notes: | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

Observers: JW, CL

Center for Snow and Avalanche Studies

Profile # 4

Time: 1301

Snowpack Profile

Date: 01/02/2015

Location: SASP

Elev. 11,060' Aspect: NE Boot Pen: 29 cm \angle : 3°

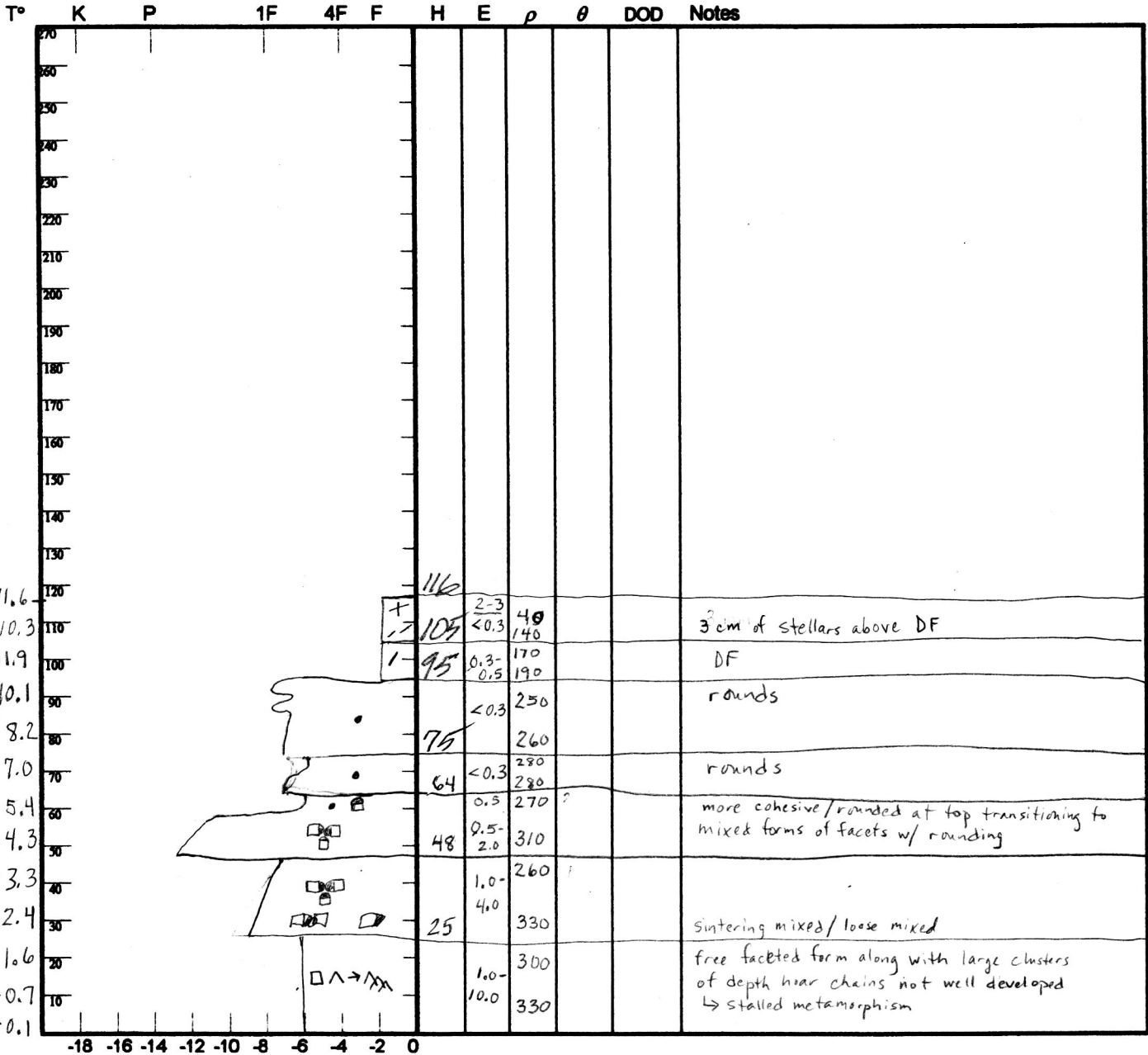
Air T: -3°C Sky: \bigcirc

Precip: NO Wind: Calm Prior Pit: # 1; 12/01/14

Total Snowpack SWE: 308 mm H₂O

Notes: $HSt = 1.17$ $M\bar{\rho} = 263 \text{ kg/m}^3$

no dust observed



7
SWE
10
14
29
23
34
41
74
83

| Potential Slab | | | | | Weak Layer & Bed Surface | | | | | |
|----------------|---|---|---|---|--------------------------|---|---|----|---------------|--|
| Ref | $H_{2O_{Nor}} \div H_{Nor} = \rho_{kg}$ | $\sin \angle \times H_{Nor} \times \rho \times 9.8 = \tau_{Slab}$ | F | E | T _{wl} | S | C | RB | Shear Quality | |
| A | mm \div m = | X X X 9.8 = | | | | | | | | |
| B | mm \div m = | X X X 9.8 = | | | | | | | | |

Notes:

Observers: JW, RC

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Profile # 5

Time: 08:32 - 10:27

Snowpack Profile

Date: 01/15/2015

Location: SASP

Elev. 11,060

Aspect: NE

Boot Pen: 30 cm

α: 3°

Air T: -1.2 °C

Sky: ☉

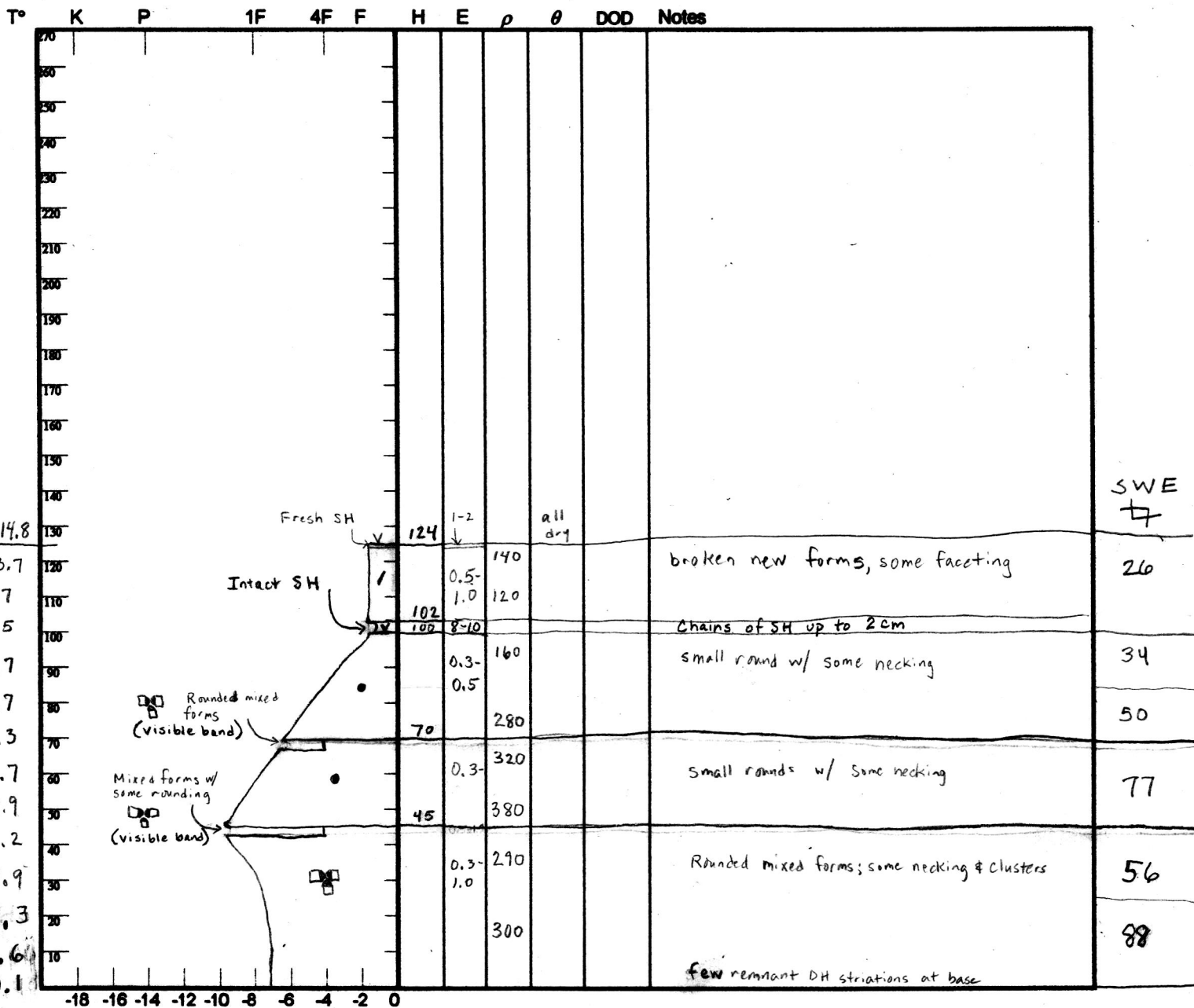
Precip: NO

Wind: calm

Prior Pit: # 4; 01/01/15

Total Snowpack SWE: 331 mm H₂O

Notes: HS = 1.24 m; $\bar{\rho} = 267 \text{ kg/m}^3$



| Potential Slab | | | Weak Layer & Bed Surface | | | | | | |
|----------------|--|--|--------------------------|---|-----------------|---|---|----|---------------|
| Ref | H ₂ O _{Nor} + H _{Nor} = ρ _{sl} | Sin α × H _{Nor} × ρ × 9.8 = τ _{slab} | F | E | T _{wl} | S | C | RB | Shear Quality |
| A | mm + m = | X X X 9.8 = | | | | | | | |
| B | mm + m = | X X X 9.8 = | | | | | | | |

Notes:

V. 11/20/03

Observers: JW

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Profile # 6

Time: 0831 - 1014

Snowpack Profile

Date: 02/01/15

Location: SASP

Elev. 11,060'

Aspect: NE

Boot Pen: 26 cm

\angle : 3°

Air T: -6.2°C

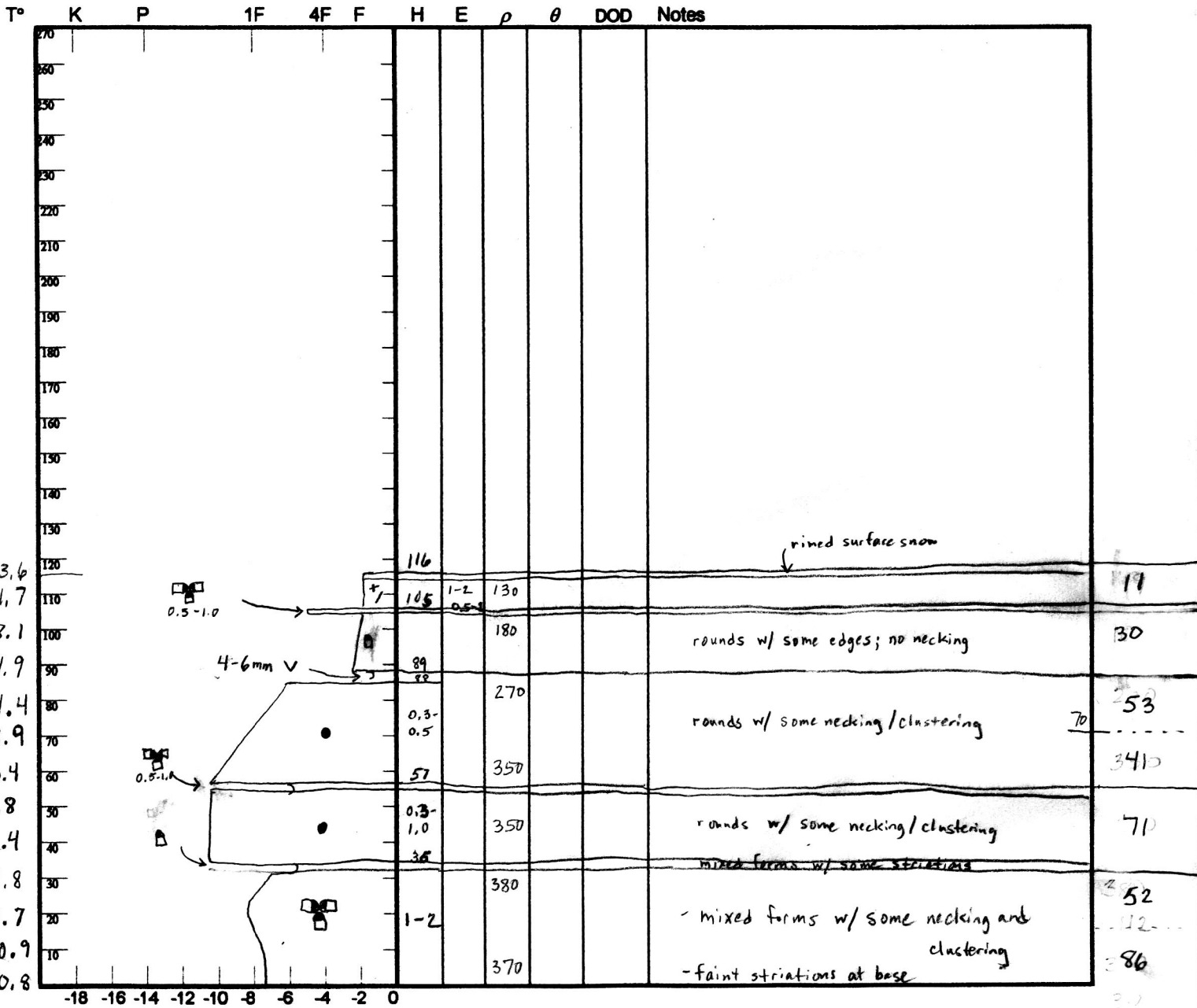
Sky: ○

Precip: NO

Wind: light; occ. gusts Prior Pit: # 5; 01/01/15

Total Snowpack SWE: 344 mm H₂O

Notes: HS \int = 1.17 m Ave ρ = 294 Kg/m³



| Potential Slab | | | Weak Layer & Bed Surface | | | | | | |
|----------------|---|---|--------------------------|---|-----------------|---|---|----|---------------|
| Ref | $H_{2O_{Nor}} \div H_{Nor} = \rho_{kg}$ | $\sin \angle \times H_{Nor} \times \rho \times 9.8 = \tau_{Slab}$ | F | E | T _{wl} | S | C | RB | Shear Quality |
| A | mm ÷ m = | X X X 9.8 = | | | | | | | |
| B | mm ÷ m = | X X X 9.8 = | | | | | | | |

Notes:

V. 11/20/03

Observers: JW, RC

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Profile # 7

Time: 1416-1456

Snowpack Profile

Date: 02/02/15

Location: SBSP

Elev. 12,180

Aspect: NE

Boot Pen: 17 cm

∠: 3°

Air T: -5.8°C

Sky: D

Precip: NO

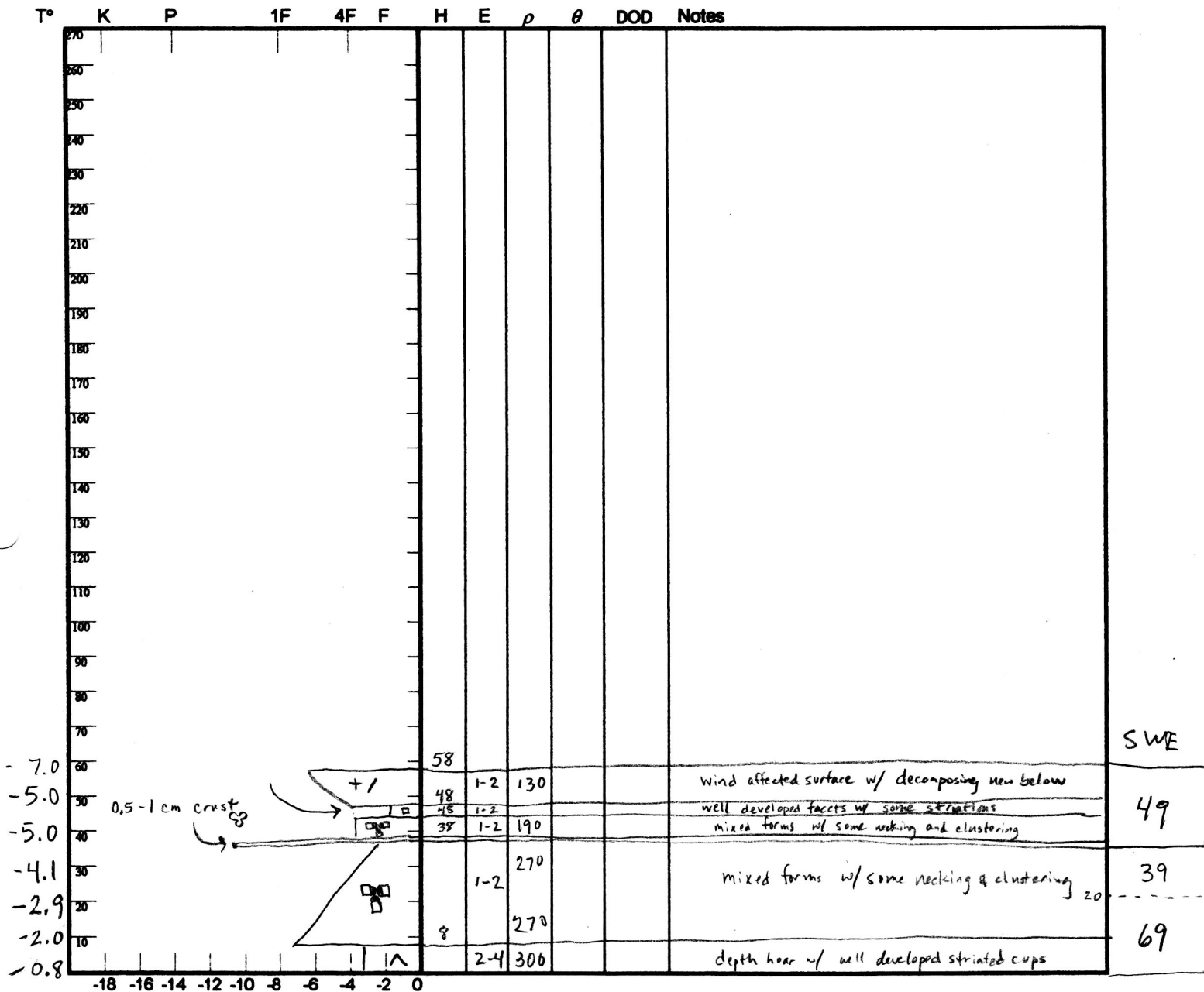
Wind: mod

Prior Pit: # 3 ; 01/02/15

Total Snowpack SWE: 157 mm H₂O

Notes: HS $\tau = 0.59$

Ave $\rho = 266 \text{ kg/m}^3$



| Potential Slab | | | Weak Layer & Bed Surface | | | | | | |
|----------------|--------------------------------------|---|--------------------------|---|-----------------|---|---|----|---------------|
| Ref | $H_{2ONor} \div H_{Nor} = \rho_{kg}$ | $\sin \angle \times H_{Nor} \times \rho \times 9.8 = \tau_{slab}$ | F | E | T _{wl} | S | C | RB | Shear Quality |
| A | mm ÷ m = | X X X 9.8 = | | | | | | | |
| B | mm ÷ m = | X X X 9.8 = | | | | | | | |

Notes:

Observers: CL
 Time: 1120 MST
 Location: WASP
 Air T: -17 °C Sky: ☁
 Total Snowpack SWE: 396 mm H₂O
No dust observed

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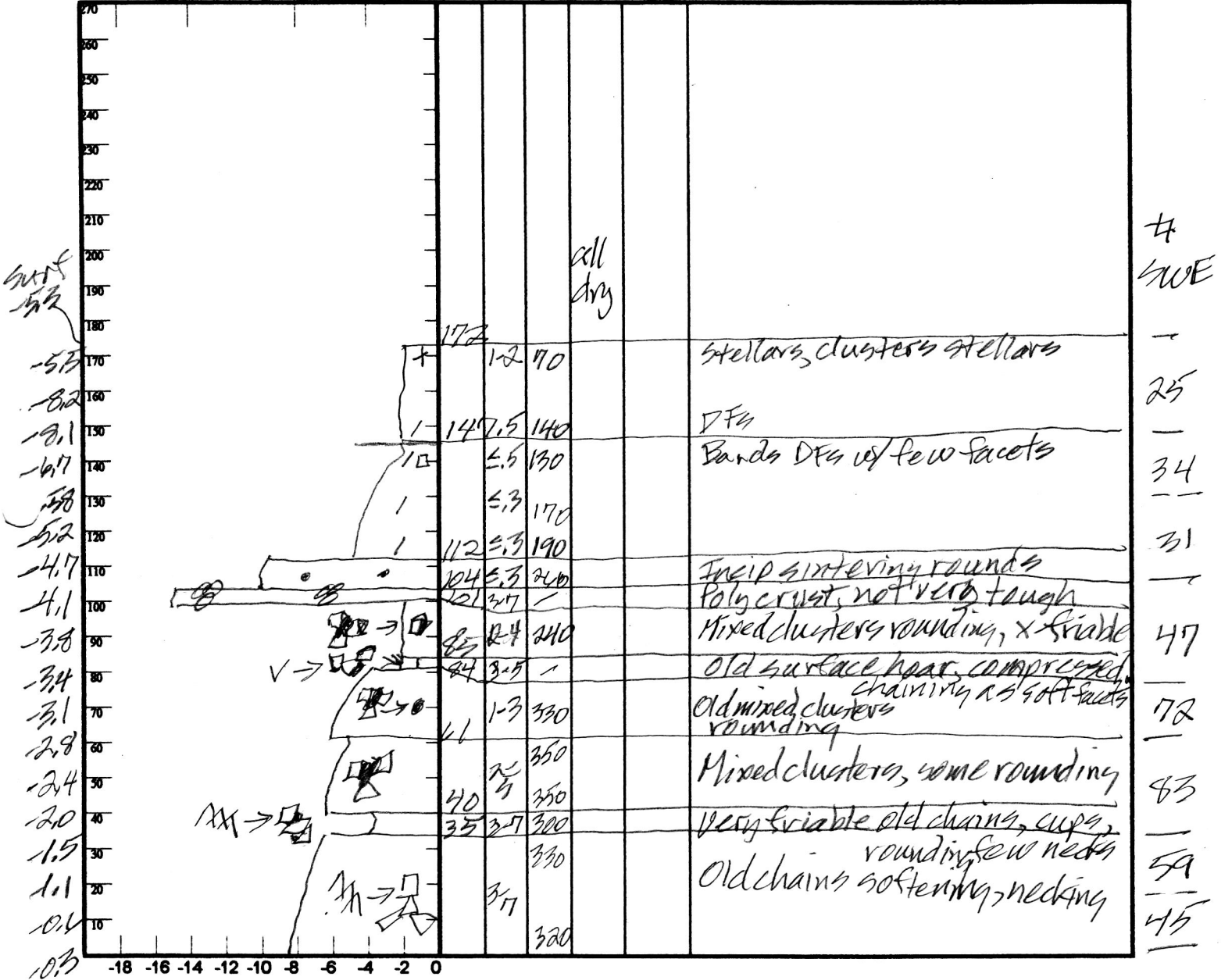
Profile # 8

Snowpack Profile

Date: 2/28/15

Elev. 11,060' Aspect: NE Boot Pen: 90 cm \angle : 3°
 Precip: 91-2 Wind: Nil Prior Pit: # 6; 21215
 Notes: H_{set} = 1.72m; ρ = 230 kg/m³

T° K P 1F 4F F H E ρ θ DOD Notes



| Potential Slab | | | | Weak Layer & Bed Surface | | | | | | |
|----------------|--|---|--|--------------------------|---|-----------------|---|---|----|---------------|
| Ref | H ₂ O _{Nor} ÷ H _{Nor} = ρ_{kg} | Sin \angle x H _{Nor} x ρ x 9.8 = T_{Slab} | | F | E | T _{wl} | S | C | RB | Shear Quality |
| A | mm ÷ m = | x x x 9.8 = | | | | | | | | |
| B | mm ÷ m = | x x x 9.8 = | | | | | | | | |

Notes:

Observers: CVJW

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Profile # 9

Time: 0900 MST

Snowpack Profile

Date: 3/16/15

Location: SBP

Elev. 12,160'

Aspect: NE

Boot Pen: 11 cm

α : 3°

Air T: +6 °C

Sky: 0

Precip: Nil

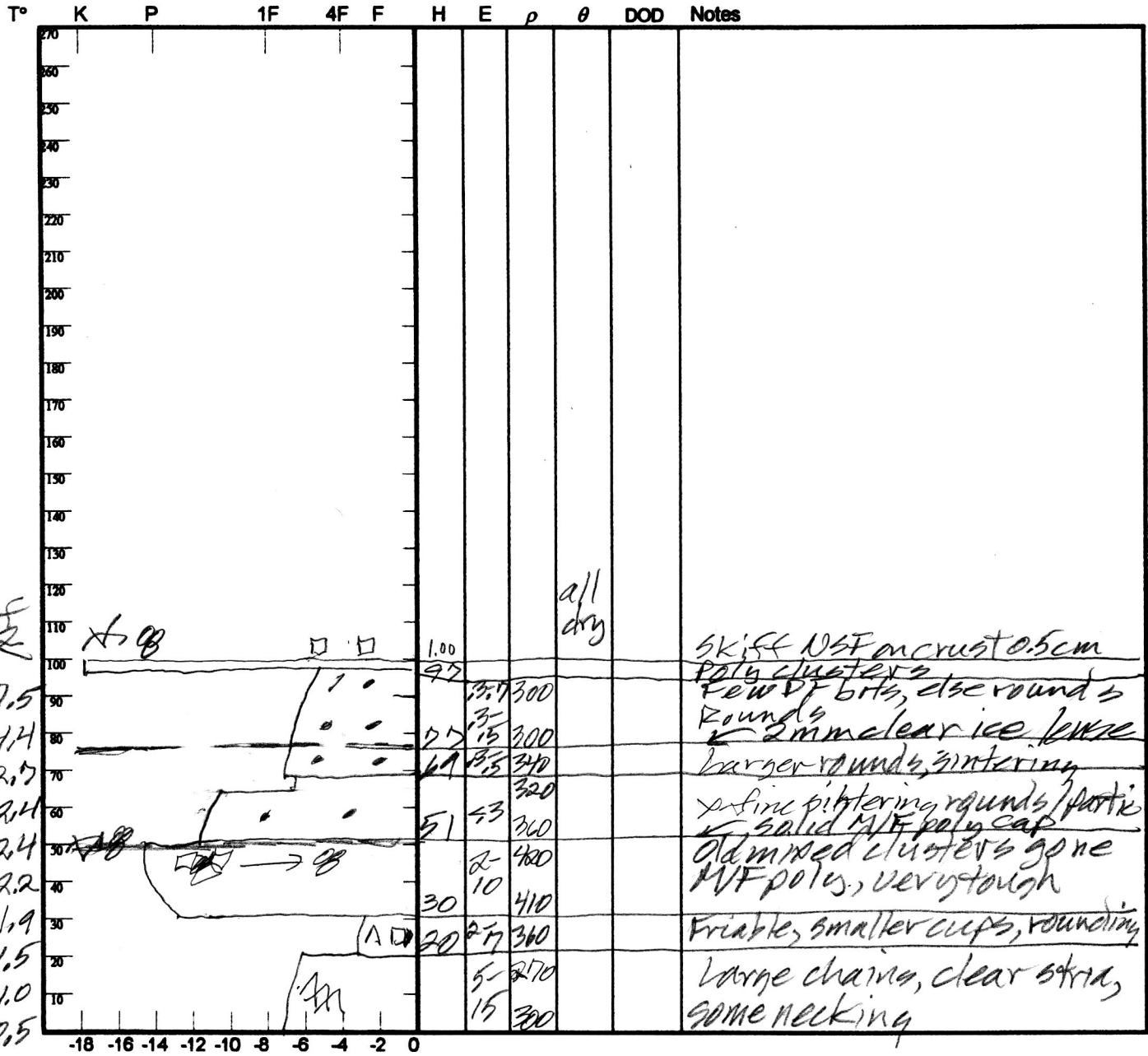
Wind: Nil

Prior Pit: # 7; 2/2/15

Total Snowpack SWE: 320 mm H₂O

Notes: HS = 1.01 m; ρ = 317 kg/m³

No dust observed



SWE
 7
 —
 60
 —
 28
 —
 39
 —
 78
 —
 50
 —
 45
 —

| Potential Slab | | | Weak Layer & Bed Surface | | | | | | |
|----------------|---------------------------------------|---|--------------------------|---|-----------------|---|---|----|---------------|
| Ref | $H_2O_{Nor} \div H_{Nor} = \rho_{kg}$ | $\sin \alpha \times H_{Nor} \times \rho \times 9.8 = \tau_{slab}$ | F | E | T _{wl} | S | C | RB | Shear Quality |
| A | mm ÷ m = | x x x 9.8 = | | | | | | | |
| B | mm ÷ m = | x x x 9.8 = | | | | | | | |

Notes:

Observers: CU+JU

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Profile # 10

Time: 0940

Snowpack Profile

Date: 31/12/15

Location: GASP

Elev. 11,060' Aspect: NE

Boat Pen: 14 cm \angle : 3°

Air T: °C Sky: 0

Precip: Nil

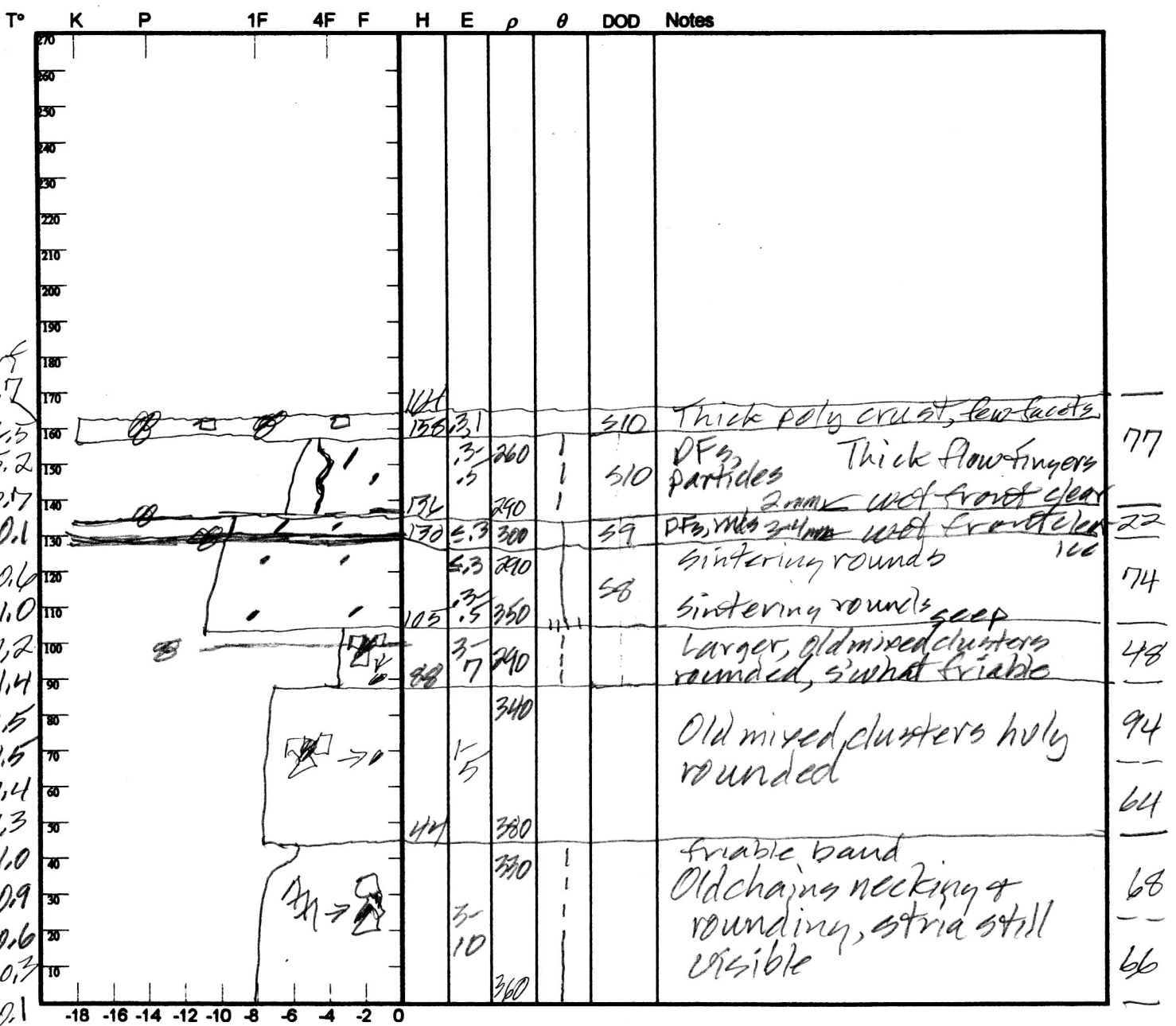
Wind: Nil

Prior Pit: # 2; 1 1

Total Snowpack SWE: 513 mm H₂O

Notes: H₂O = 1.67 m; ρ = 307 kg/m³

No dust observed



| Potential Slab | | | Weak Layer & Bed Surface | | | | | | |
|----------------|--|--|--------------------------|---|-----------------|---|---|----|---------------|
| Ref | H ₂ O _{Nor} ÷ H _{Nor} = ρ_{kg} | Sin \angle x H _{Nor} x ρ x 9.8 = τ_{slab} | F | E | T _{wl} | S | C | RB | Shear Quality |
| A | mm ÷ m = | X X X 9.8 = | | | | | | | |
| B | mm ÷ m = | X X X 9.8 = | | | | | | | |

Notes:

Observers: CL+JW

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Profile # 11

Time: 0935 MST

Snowpack Profile

Date: 3/24/15

Location: SAST

Elev. 1600'

Aspect: NE

Boot Pen: 0 cm

\angle : 3 °

Air T: +2 °C

Sky: ☉

Precip: Nil

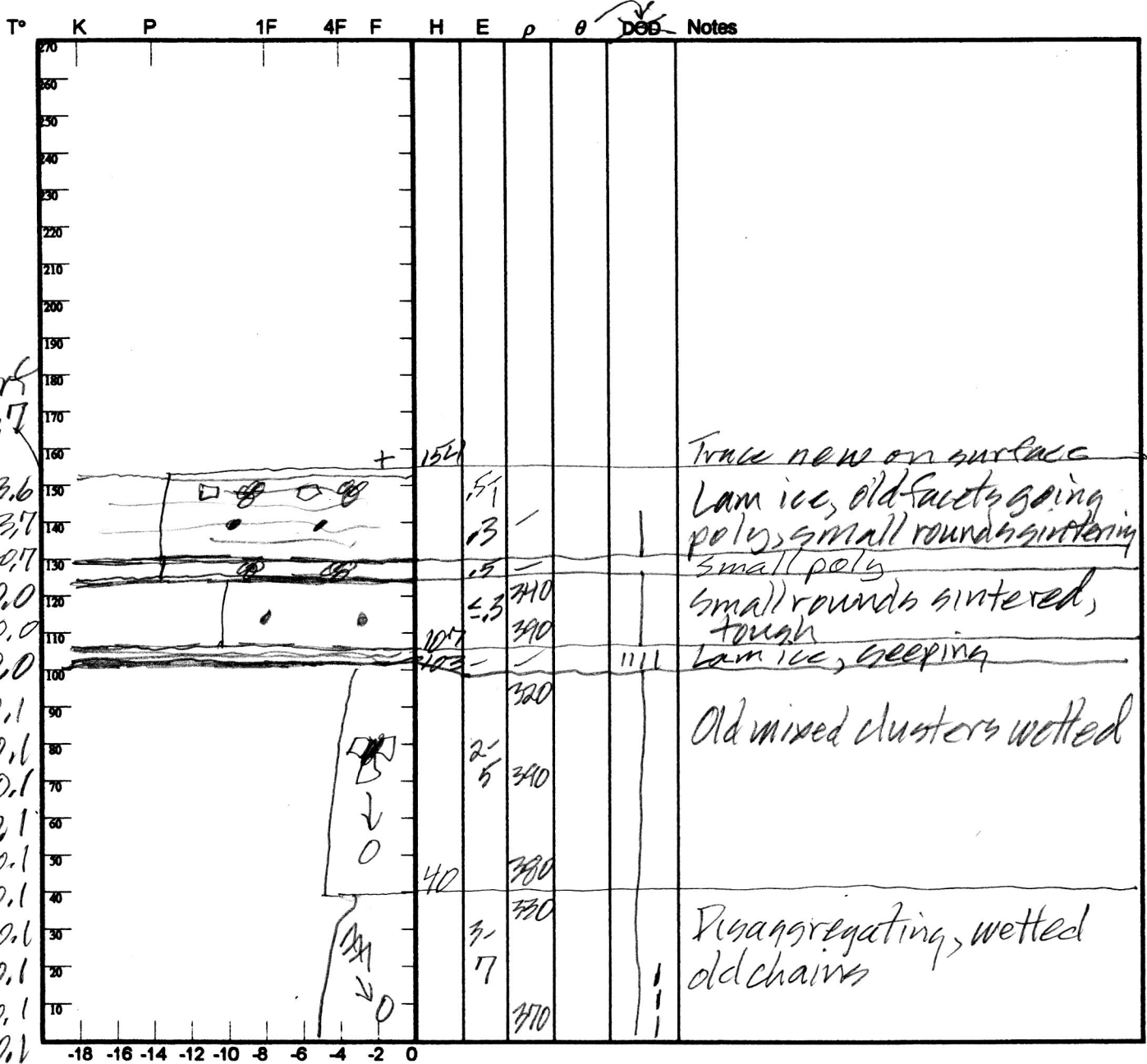
Wind: LT

Prior Pit: # 10; 3/17/15

Total Snowpack SWE: 524 mm H₂O

Notes: HSt_z = 1.48 m; $\bar{\rho}$ = 354 kg/m³

No dust observed



| Potential Slab | | | Weak Layer & Bed Surface | | | | | | |
|----------------|--|---|--------------------------|---|-----------------|---|---|----|---------------|
| Ref | H ₂ O _{Nor} ÷ H _{Nor} = ρ_{kg} | Sin \angle x H _{Nor} x ρ x 9.8 = T_{Slab} | F | E | T _{wl} | S | C | RB | Shear Quality |
| A | mm ÷ m = | x x x 9.8 = | | | | | | | |
| B | mm ÷ m = | x x x 9.8 = | | | | | | | |

Notes:

Observers: CLJW

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Profile # 12

Time: 0915 MST

Snowpack Profile

Date: 3/30/15

Location: SASP

Elev. 12,190'

Aspect: NE

Boat Pen: 2 cm \angle : 3°

Air T: +1 °C Sky: 0

Precip: Nil

Wind: LX+

Prior Pit: # 9; 3/16/15

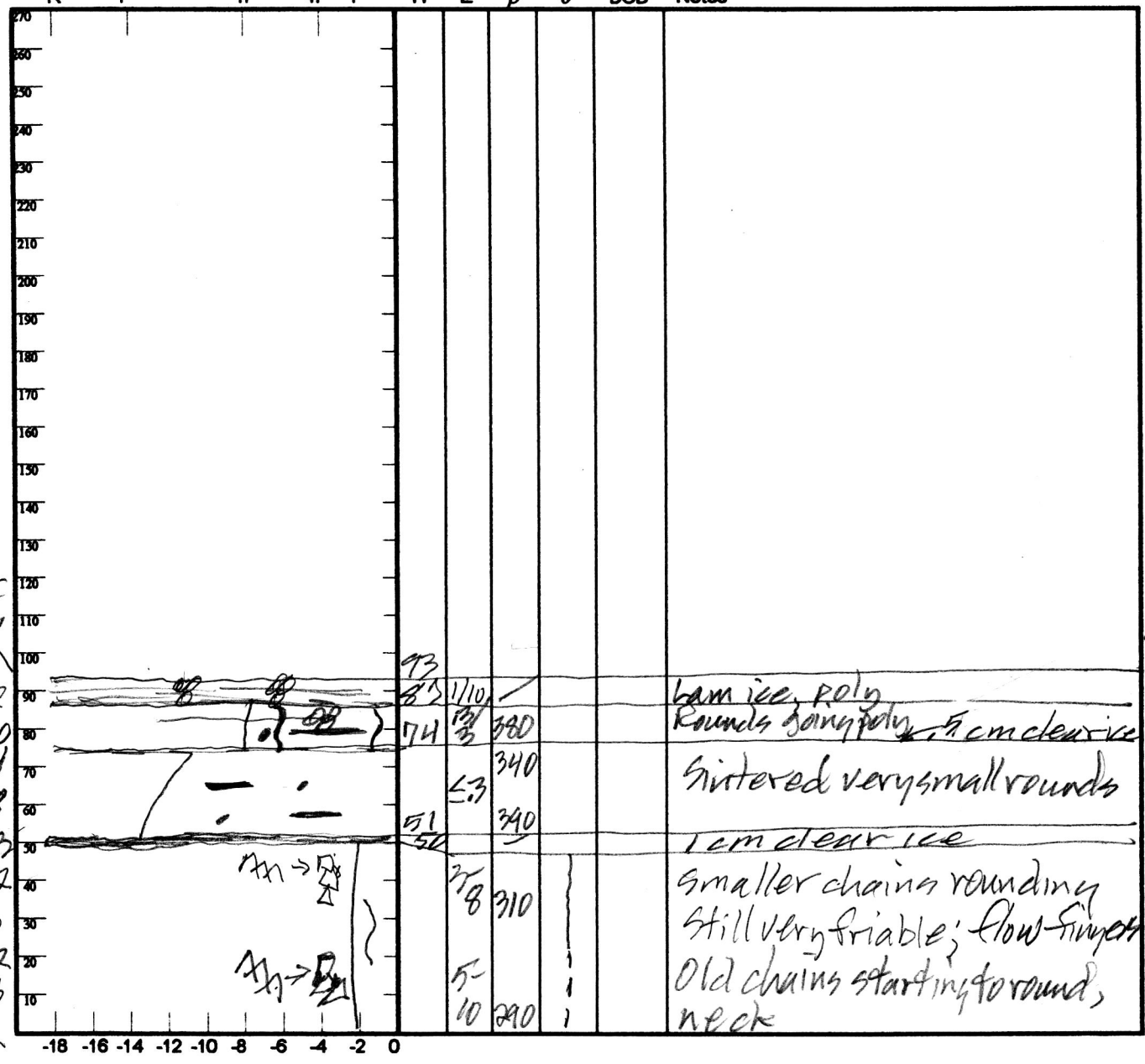
Total Snowpack SWE: 294 mm H₂O

Notes: H_{st} = 0.97 m; $\bar{\rho}$ = 303 kg/m³

No dust observed

T° K P 1F 4F F H E ρ θ DOD Notes

surf
-2.7
-3.2
-4.0
-2.2
-0.8
-0.7
-0.2
-0.3
-0.2
-0.3
-0.2



4
SWE
58
178
72
86

| Potential Slab | | | Weak Layer & Bed Surface | | | | | | |
|----------------|--------------------------------------|---|--------------------------|---|-----------------|---|---|----|---------------|
| Ref | $H_{2ONor} \div H_{Nor} = \rho_{kg}$ | $\sin \angle \times H_{Nor} \times \rho \times 9.8 = \tau_{slab}$ | F | E | T _{wl} | S | C | RB | Shear Quality |
| A | mm ÷ m = | X X X 9.8 = | | | | | | | |
| B | mm ÷ m = | X X X 9.8 = | | | | | | | |
| Notes: | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

Observers: CCJW

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Profile # 13

Time: 0835 MST

Snowpack Profile

Date: 3/31/15

Location: GAAP

Elev. 1600'

Aspect: NE

Boot Pen: 1 cm \angle : 3°

Air T: +3 °C Sky: 0

Precip: Nil

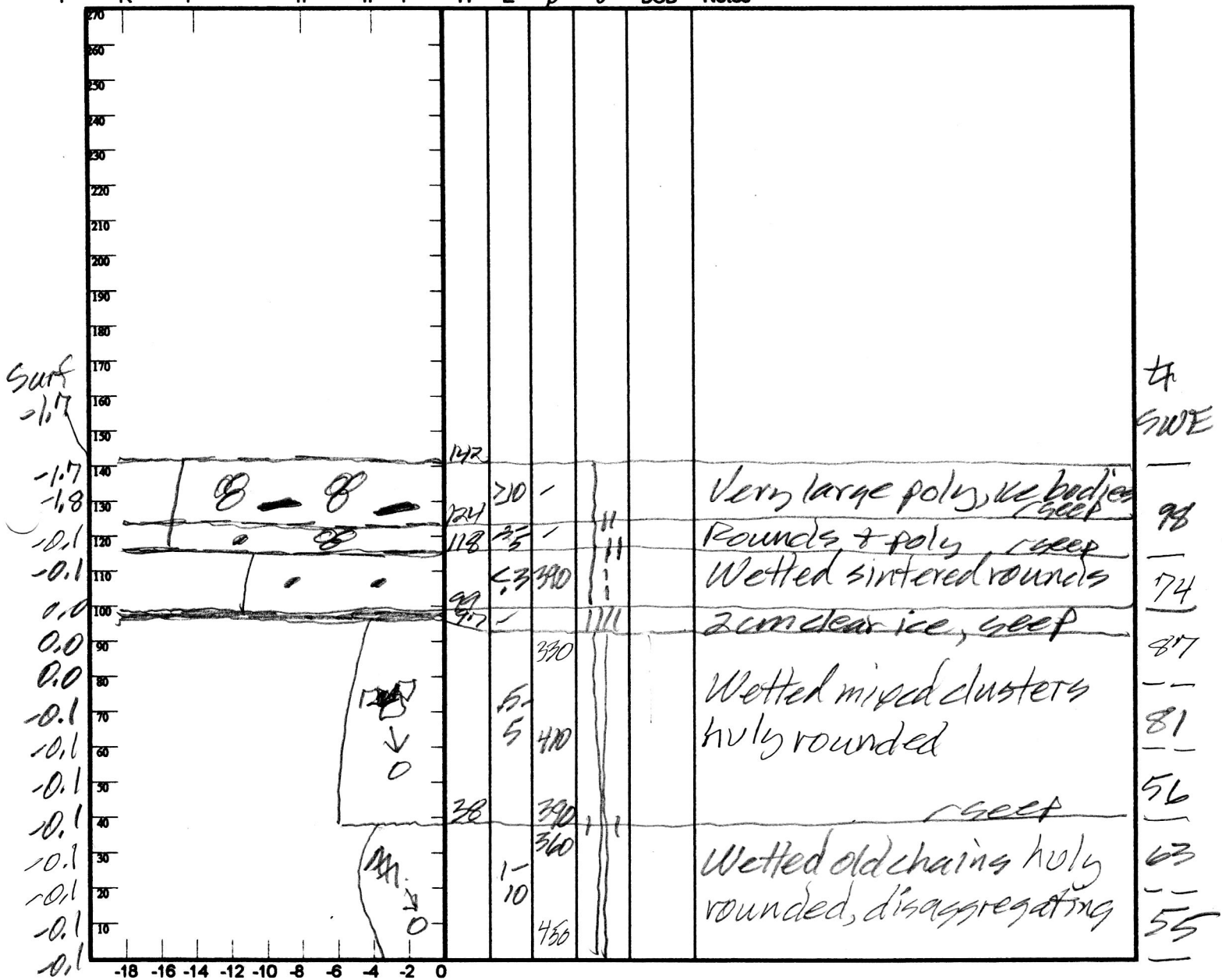
Wind: Nil

Prior Pit: # 11; 3/24/15

Total Snowpack SWE: 514 mm H₂O
No dust observed

Notes: H₂O = 1.42 m; ρ = 362 kg/m³

T° K P 1F 4F F H E ρ θ DOD Notes



| Potential Slab | | | Weak Layer & Bed Surface | | | | | | |
|----------------|---|---|--------------------------|---|-----------------|---|---|----|---------------|
| Ref | $H_{2O_{Nor}} \div H_{Nor} = \rho_{kg}$ | $\sin \angle \times H_{Nor} \times \rho \times 9.8 = \tau_{Slab}$ | F | E | T _{wl} | S | C | RB | Shear Quality |
| A | mm ÷ m = | X X X 9.8 = | | | | | | | |
| B | mm ÷ m = | X X X 9.8 = | | | | | | | |

Notes:

Observers: UFW

Center for Snow and Avalanche Studies

Profile # 14

Time: 0900

Snowpack Profile

Date: 4.7.15

Location: SASP

Elev. 15060'

Aspect: NE

Boot Pen: 1 cm \angle : 3°

Air T: 0 °C

Sky: 0

Precip: Nil

Wind: LT

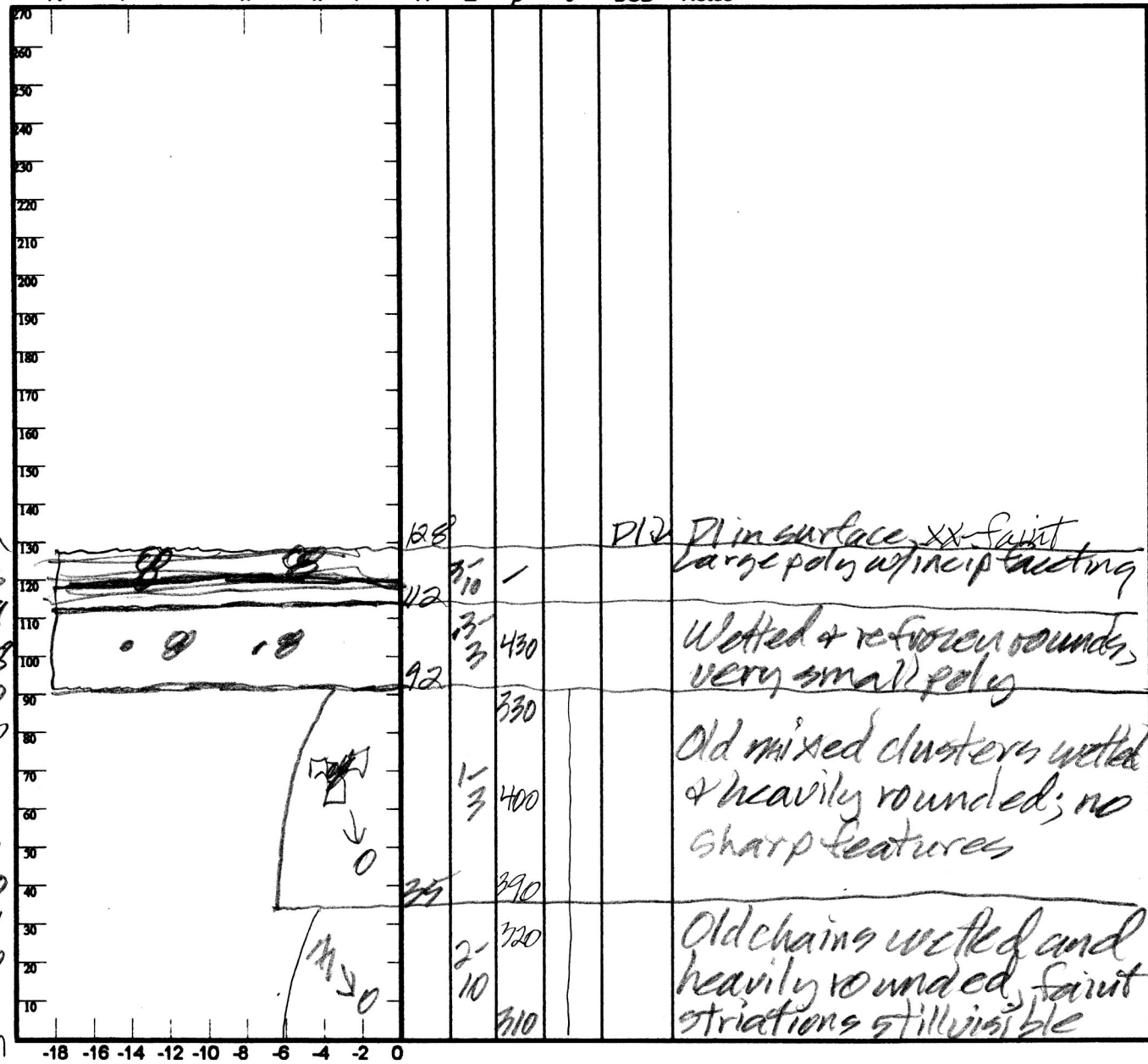
Prior Pit: # 13; 3/3/15

Total Snowpack SWE: 463 mm H₂O

Notes: H₂O = 1.27 m; ρ = 346 kg/m³

T° K P 1F 4F F H E ρ θ DOD Notes

guit
3.1
-9.3
-2.9
-0.8
0.0
0.0
0.0
0.1
-0.1
0.0
-0.1
0.0
-0.1
0.0
-0.1



4
SWE
74
74
87
76
38
55
59

| Potential Slab | | | Weak Layer & Bed Surface | | | | | | |
|----------------|--|--|--------------------------|---|-----------------|---|---|----|---------------|
| Ref | H ₂ O _{Nor} ÷ H _{Nor} = ρ_{kg} | Sin \angle x H _{Nor} x ρ x 9.8 = τ_{slab} | F | E | T _{wl} | S | C | RB | Shear Quality |
| A | mm ÷ m = | x x x 9.8 = | | | | | | | |
| B | mm ÷ m = | x x x 9.8 = | | | | | | | |

Notes:

Observers: CLJW

Center for Snow and Avalanche Studies

Profile # 15

Time: 0920 MST

Snowpack Profile

Date: 4.13.15

Location: SBS

Elev. 12,180'

Aspect: NE

Boot Pen: 1 cm \angle : 3°

Air T: +10 °C

Sky: 0

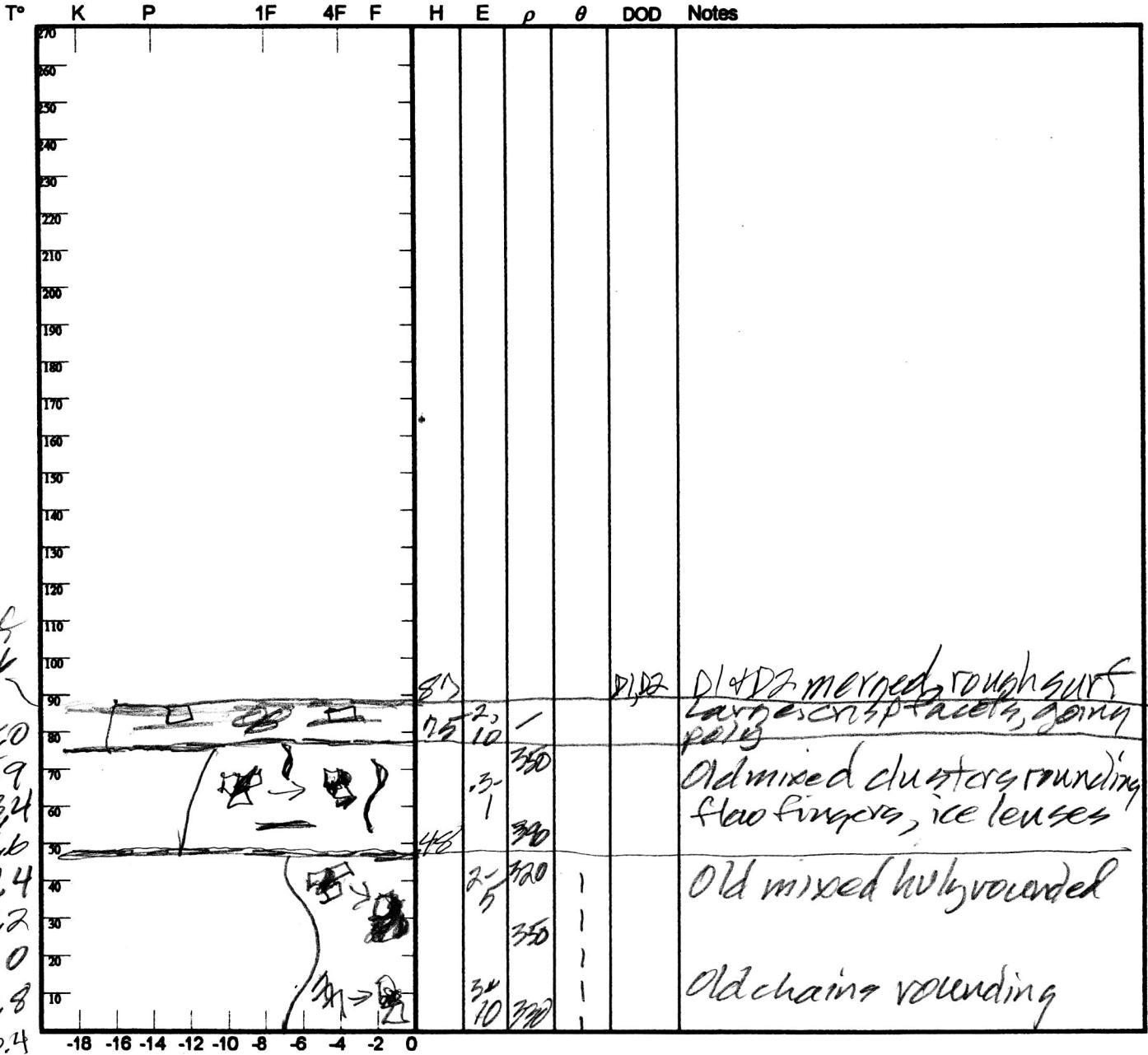
Precip: Nil

Wind: Calm

Prior Pit: # 12; 3.130.15

Total Snowpack SWE: 300 mm H₂O

Notes: H_s = 0.57 m; $\bar{\rho} = 345 \text{ kg/m}^3$



Surf 3.6
15.0
15.9
3.4
1.6
1.4
1.2
1.0
0.8
0.4

47
SWE
41
58
47
84
70

| Potential Slab | | | Weak Layer & Bed Surface | | | | | | |
|----------------|-----------------------------------|---|--------------------------|---|-----------------|---|---|----|---------------|
| Ref | $H_{2ONor} + H_{Nor} = \rho_{kg}$ | $\sin \angle \times H_{Nor} \times \rho \times 9.8 = \tau_{slab}$ | F | E | T _{wl} | S | C | RB | Shear Quality |
| A | mm ÷ m = | X X X 9.8 = | | | | | | | |
| B | mm + m = | X X X 9.8 = | | | | | | | |
| Notes: | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

Observers: CL730
 Time: 0920 MST
 Location: SASP
 Air T: +2 °C Sky: 0
 Total Snowpack SWE: 433 mm H₂O

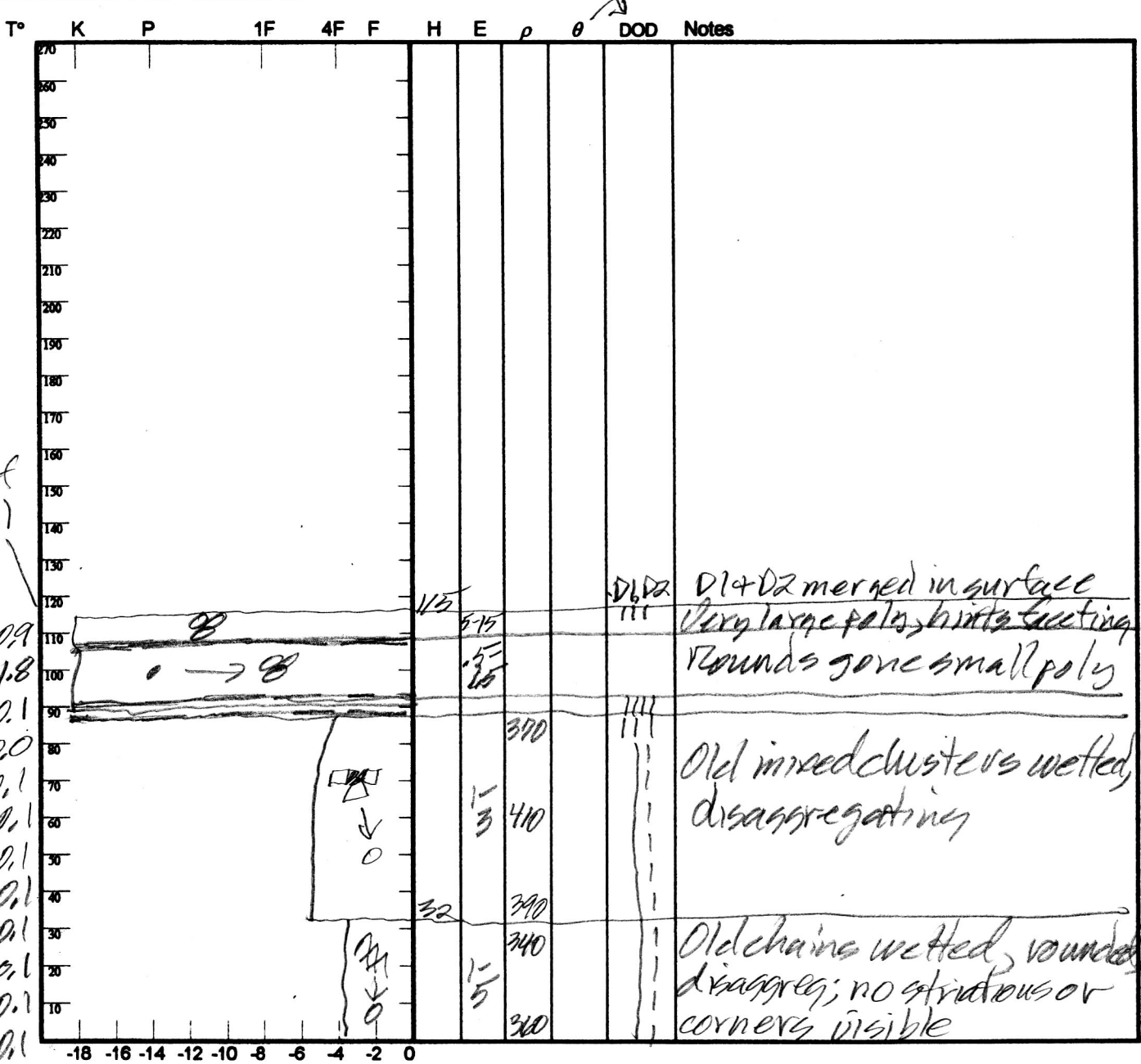
Center for Snow and Avalanche Studies

Profile # 16

Snowpack Profile

Date: 4/14/15

Elev. 1200' Aspect: NE Boot Pen: 1 cm 2:3
 Precip: Nil Wind: Calmit Prior Pit: # 14; 41715
 Notes: H₂O = 1.15 m; ρ = 376 kg/m³



| Potential Slab | | | Weak Layer & Bed Surface | | | | | | |
|----------------|--|--|--------------------------|---|-----------------|---|---|----|---------------|
| Ref | H ₂ O _{Nor} ÷ H _{Nor} = ρ _{kg} | Sin ∠ x H _{Nor} x ρ x 9.8 = τ _{slab} | F | E | T _{wl} | S | C | RB | Shear Quality |
| A | mm ÷ m = | X X X 9.8 = | | | | | | | |
| B | mm ÷ m = | X X X 9.8 = | | | | | | | |
| Notes: | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

Observers: CTJW

Center for Snow and Avalanche Studies

Profile # 17

Time: 0855

Snowpack Profile

Date: 4/28/15

Location: 4ASP

Elev. 11,060

Aspect: NE

Boot Pen: 8 cm \angle : 3 °

Air T: +5 °C Sky: ⊙

Precip: Nil

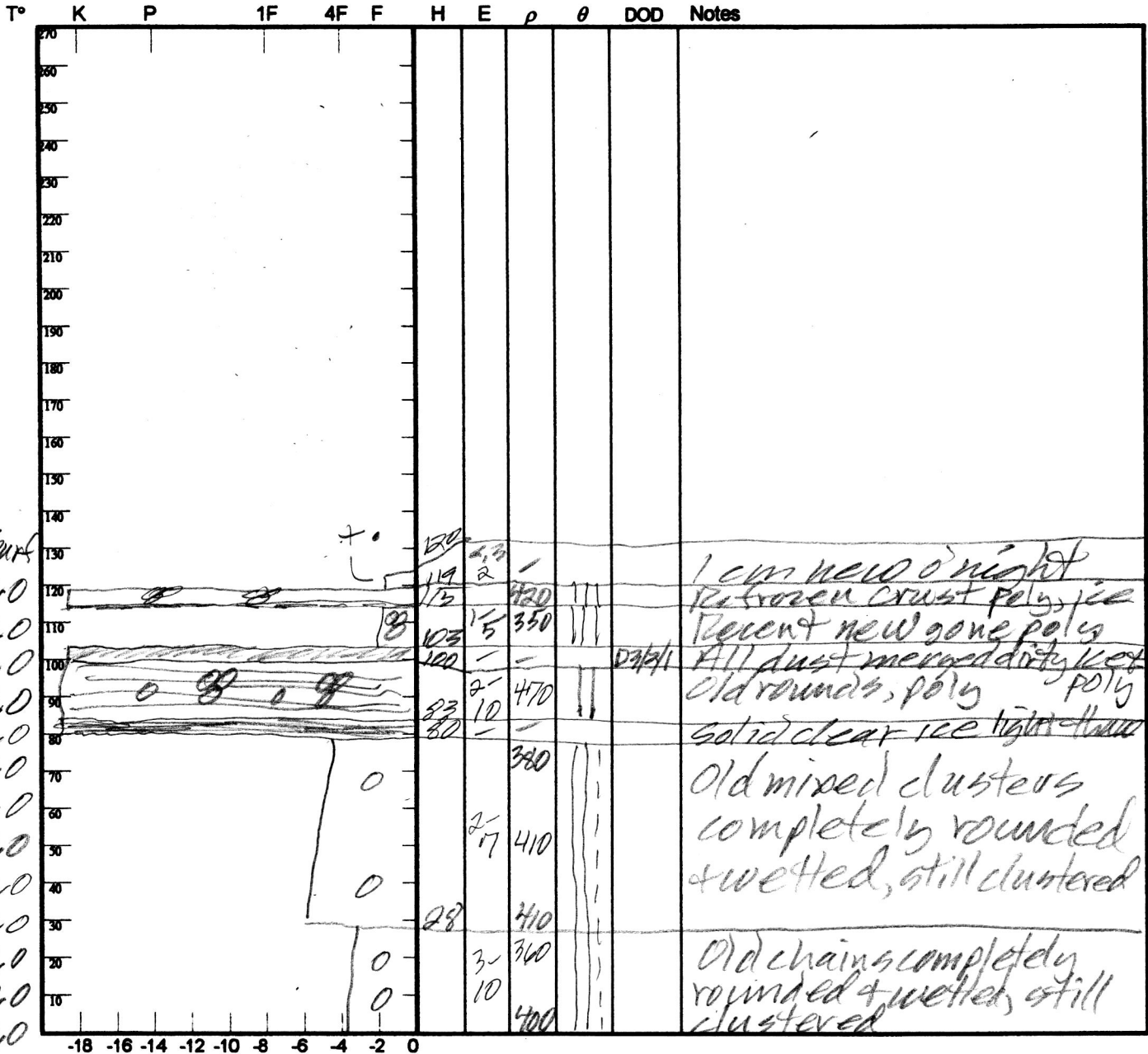
Wind: LT

Prior Pit: # 16; 4/14/15

Total Snowpack SWE: 490 mm H₂O

Notes: H₂O = 1.20 m; SWE = 490 mm

$\rho = 408 \text{ kg/m}^3$



7
SWE
—
50
—
99
—
91
—
96
—
82
—
72
—

| Potential Slab | | | Weak Layer & Bed Surface | | | | | | |
|----------------|---|---|--------------------------|---|-----------------|---|---|----|---------------|
| Ref | $H_{2O_{Nor}} \div H_{Nor} = \rho_{kg}$ | $\sin \angle \times H_{Nor} \times \rho \times 9.8 = \tau_{slab}$ | F | E | T _{wl} | S | C | RB | Shear Quality |
| A | mm ÷ m = | X X X 9.8 = | | | | | | | |
| B | mm ÷ m = | X X X 9.8 = | | | | | | | |

Notes:

Observers: JW

Center for Snow and Avalanche Studies

Profile # 18

Time: 0846 MST

Snowpack Profile

Date: 04/29/15

Location: SBSF

Elev. 12,180' Aspect: NE

Boot Pen: < 1 cm \angle : 3°

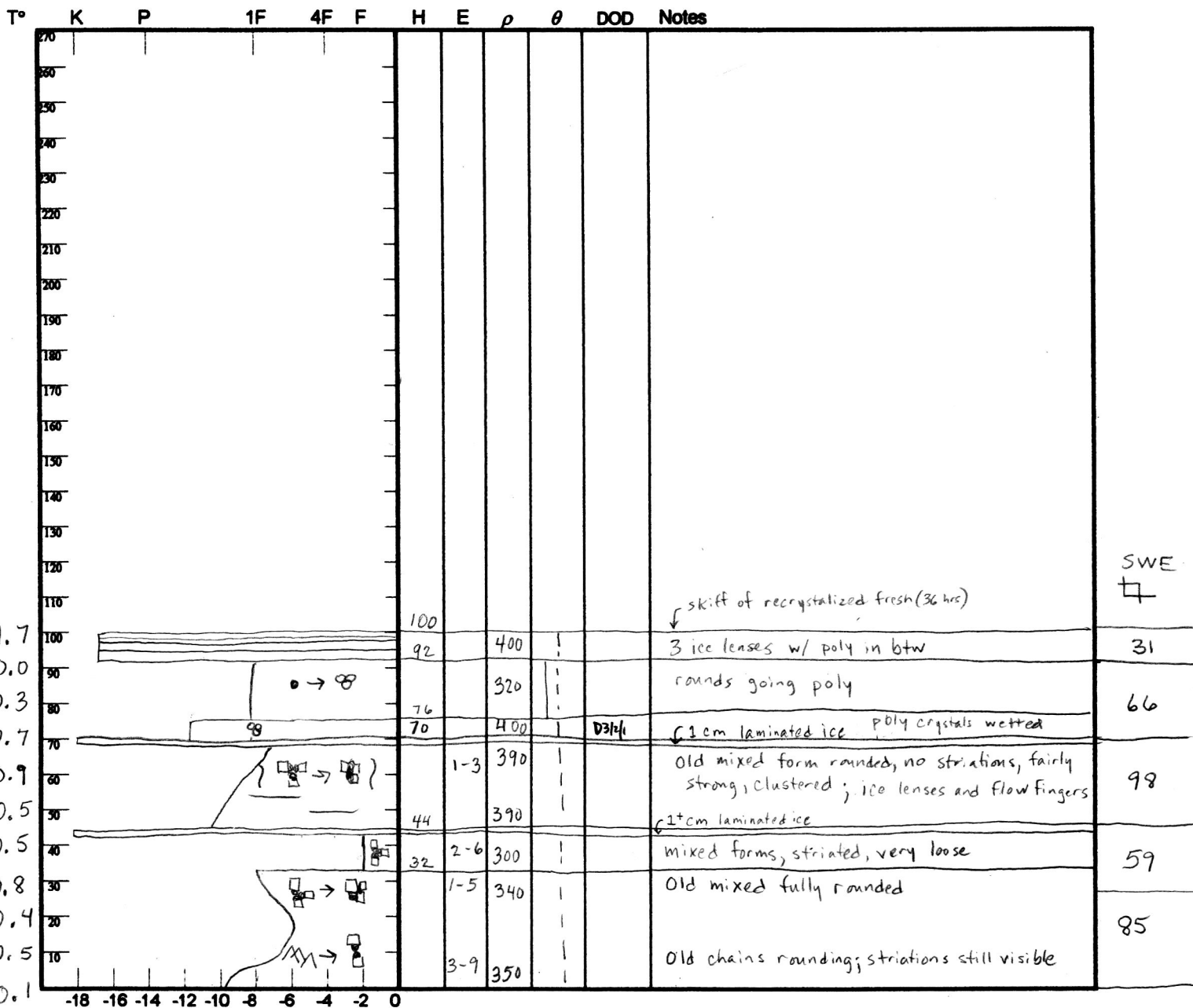
Air T: 0.8°C Sky: 0

Precip: Nil Wind: light

Prior Pit: # 15; 04/13/15

Total Snowpack SWE: 339 mm H₂O

Notes: HS \square = 1.02 m ; $\bar{\rho}$ = 332 kg/m³



| Potential Slab | | | Weak Layer & Bed Surface | | | | | | |
|----------------|---|---|--------------------------|---|-----------------|---|---|----|---------------|
| Ref | $H_{2O_{Nor}} \div H_{Nor} = \rho_{kg}$ | $\sin \angle \times H_{Nor} \times \rho \times 9.8 = \tau_{slab}$ | F | E | T _{wl} | S | C | RB | Shear Quality |
| A | mm ÷ m = | X X X 9.8 = | | | | | | | |
| B | mm ÷ m = | X X X 9.8 = | | | | | | | |

Notes:

Observers: CL, JW, FV

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Profile # 19

Time: 0910 MST

Snowpack Profile

Date: 5/17/15

Location: SASP

Elev. 11,060' Aspect: NE

Boot Pen: 6 cm \angle : 30

Air T: 15 °C Sky: ☉

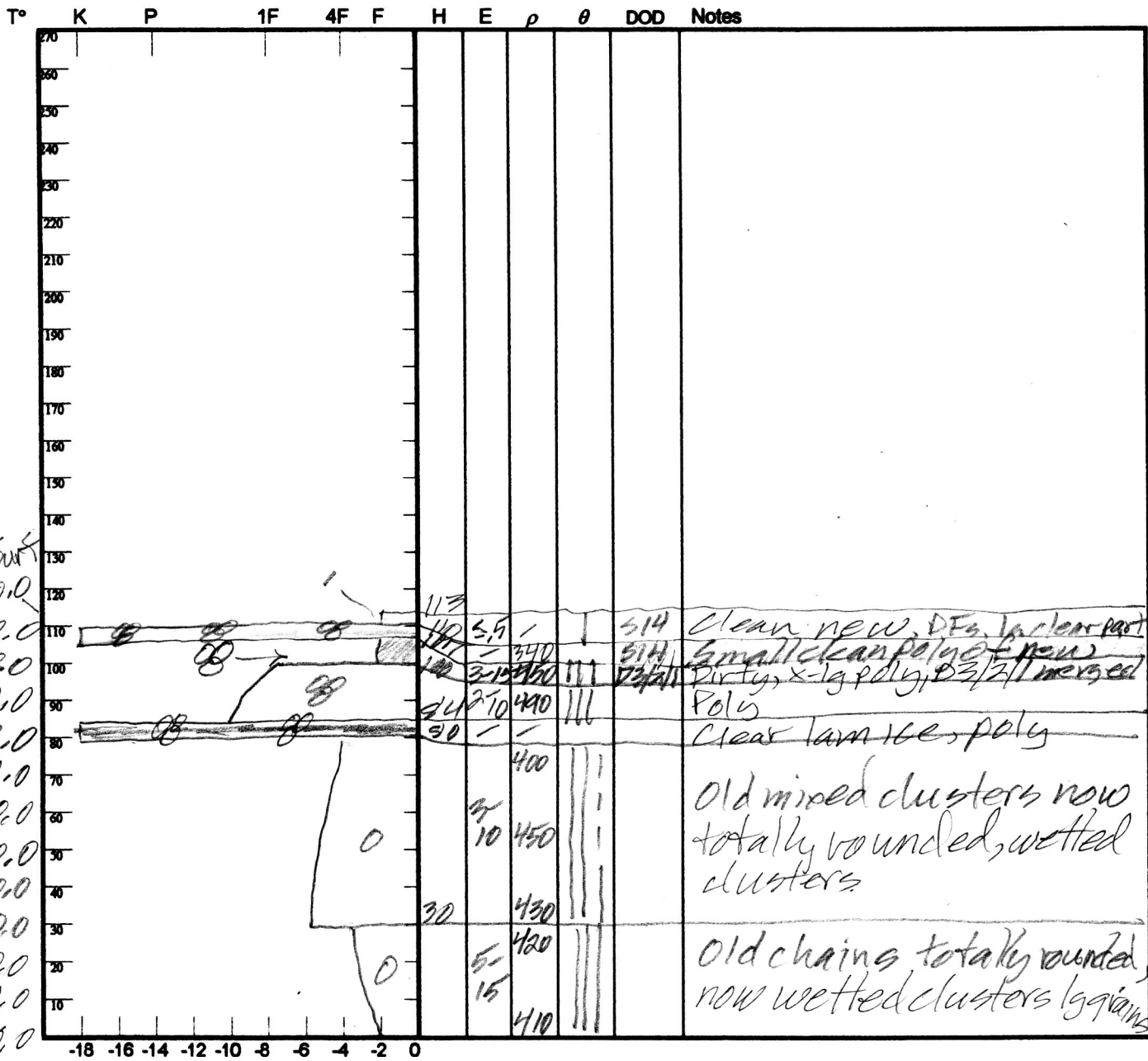
Precip: Nil

Wind: LT

Prior Pit: # 17; 4/26/15

Total Snowpack SWE: 452 mm H₂O

Notes: H₂O = 1.13m; $\rho = 400$ kg/m³



Handwritten notes on the right margin: 7 SWE, 20, 60, 68, 84, 84, 73, 63

| Potential Slab | | | Weak Layer & Bed Surface | | | | | | |
|----------------|--|--|--------------------------|---|-----------------|---|---|----|---------------|
| Ref | H ₂ O _{Nor} ÷ H _{Nor} = ρ_{kg} | Sin \angle x H _{Nor} x ρ x 9.8 = τ_{slab} | F | E | T _{wl} | S | C | RB | Shear Quality |
| A | mm ÷ m = | X X X 9.8 = | | | | | | | |
| B | mm ÷ m = | X X X 9.8 = | | | | | | | |

Notes:

Observers: CL

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Profile # 20

Time: 0810 MST

Snowpack Profile

Date: 5/13/15

Location: SASP

Elev. 1100' Aspect: NE Boot Pen: 21 cm 2:30

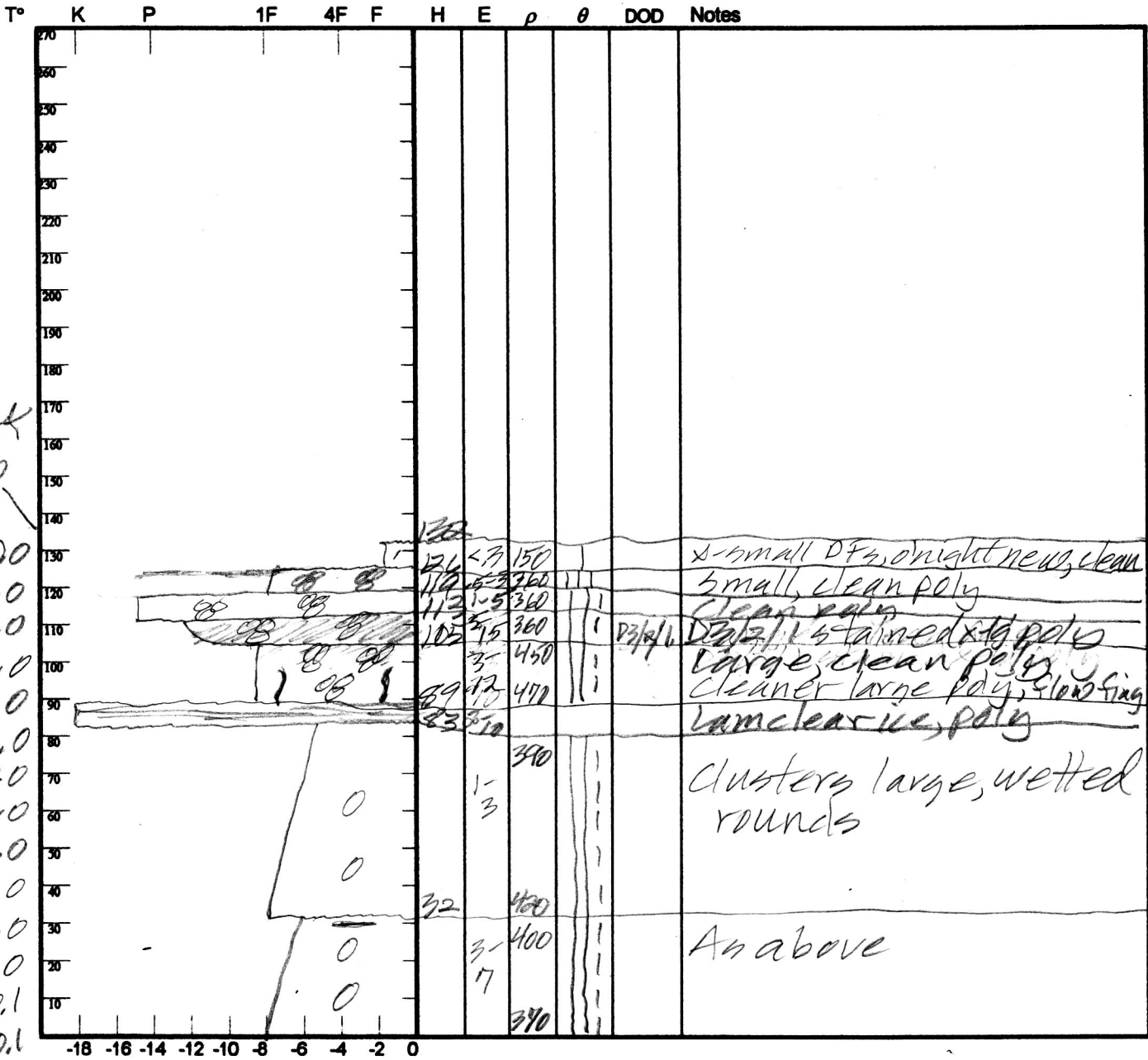
Air T: 14 °C Sky: ☉

Precip: Nil Wind: Nil

Prior Pit: # 19; 51215

Total Snowpack SWE: 496 mm H₂O

Notes: H₂O = 1.29m; ρ = 366 kg/m³



SWE
0.0
0.0
0.0
0.0
0.0
0.0
0.0
0.0
0.0
0.0
0.0
0.0
0.0
0.0
0.0
-0.1
-0.1

H
SWE
—
46
52
37
95
—
92
—
79
—
97
—

| Potential Slab | | | Weak Layer & Bed Surface | | | | | | |
|----------------|--|--|--------------------------|---|-----------------|---|---|----|---------------|
| Ref | H ₂ O _{Nor} ÷ H _{Nor} = ρ _{kg} | Sin ∠ x H _{Nor} x ρ x 9.8 = τ _{slab} | F | E | T _{WL} | S | C | RB | Shear Quality |
| A | mm ÷ m = | X X X 9.8 = | | | | | | | |
| B | mm ÷ m = | X X X 9.8 = | | | | | | | |

Notes:

Observers: CL
 Time: 0920 MST
 Location: ASP
 Air T: 17 °C
 Total Snowpack SWE: 597 mm H₂O

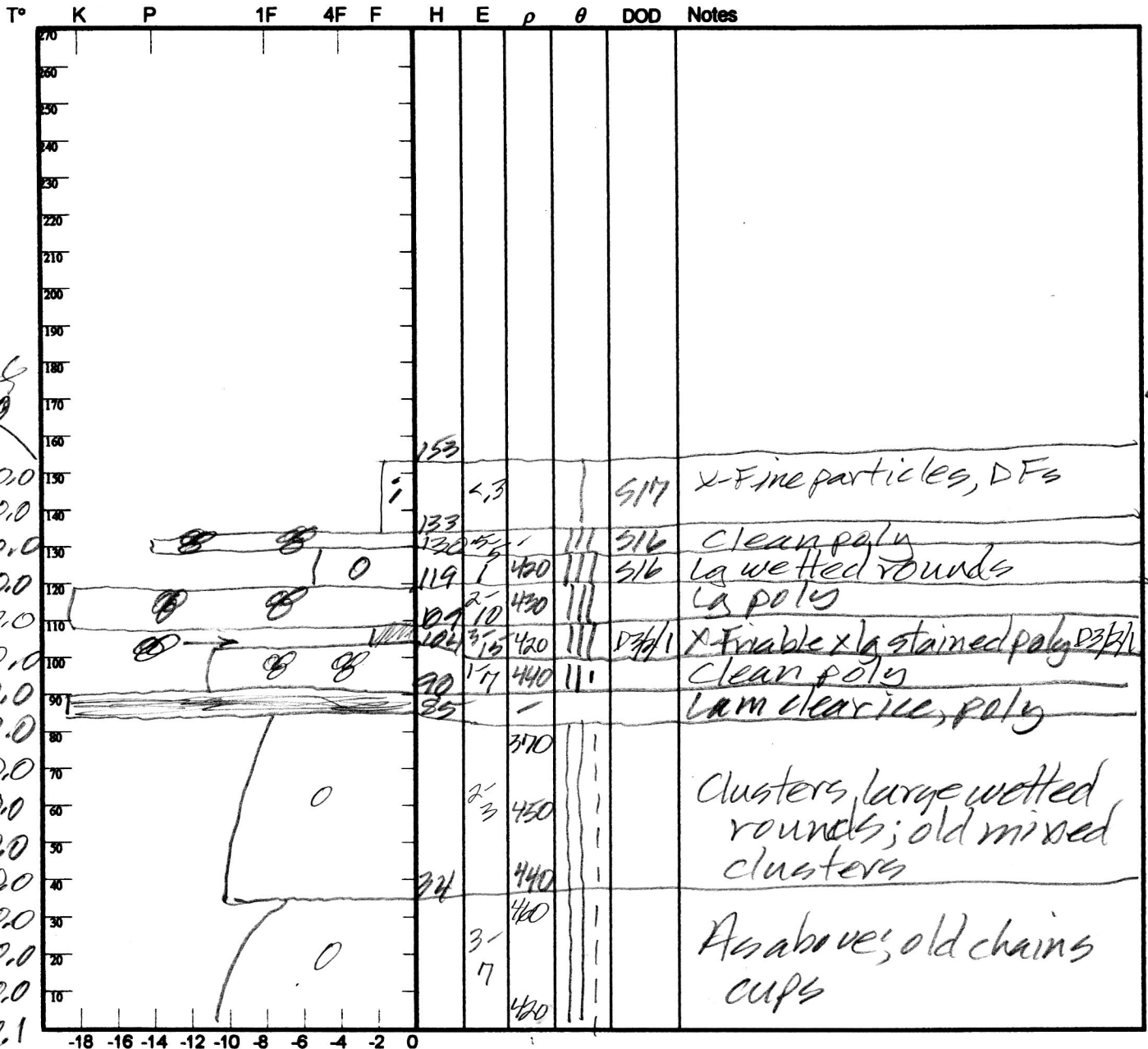
Center for Snow and Avalanche Studies

Profile # 21

Snowpack Profile

Date: 5/19/15

Elev. 11,010' Aspect: NE Boot Pen: 32 cm α : 3 °
 Precip: Nil Wind: LT Prior Pit: # 20; 5/13/15
 Notes: H_{SN} = 1.52 m; $\rho = 393$ kg/m³



| Potential Slab | | | | Weak Layer & Bed Surface | | | | | | | |
|----------------|--------------------------------------|---|---|--------------------------|---|---|-----------------|---|---|----|---------------|
| Ref | $H_{2ONor} \div H_{Nor} = \rho_{kg}$ | $\sin \alpha \times H_{Nor} \times \rho \times 9.8 = \tau_{Slab}$ | | | F | E | T _{wl} | S | C | RB | Shear Quality |
| A | mm ÷ m = | X | X | X 9.8 = | | | | | | | |
| B | mm ÷ m = | X | X | X 9.8 = | | | | | | | |

Notes:

Observers: CL

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Profile # 22

Time: 0810 MST

Snowpack Profile

Date: 5/26/15

Location: SASP

Elev. 11,060' Aspect: NE Boot Pen: 29 cm α : 3°

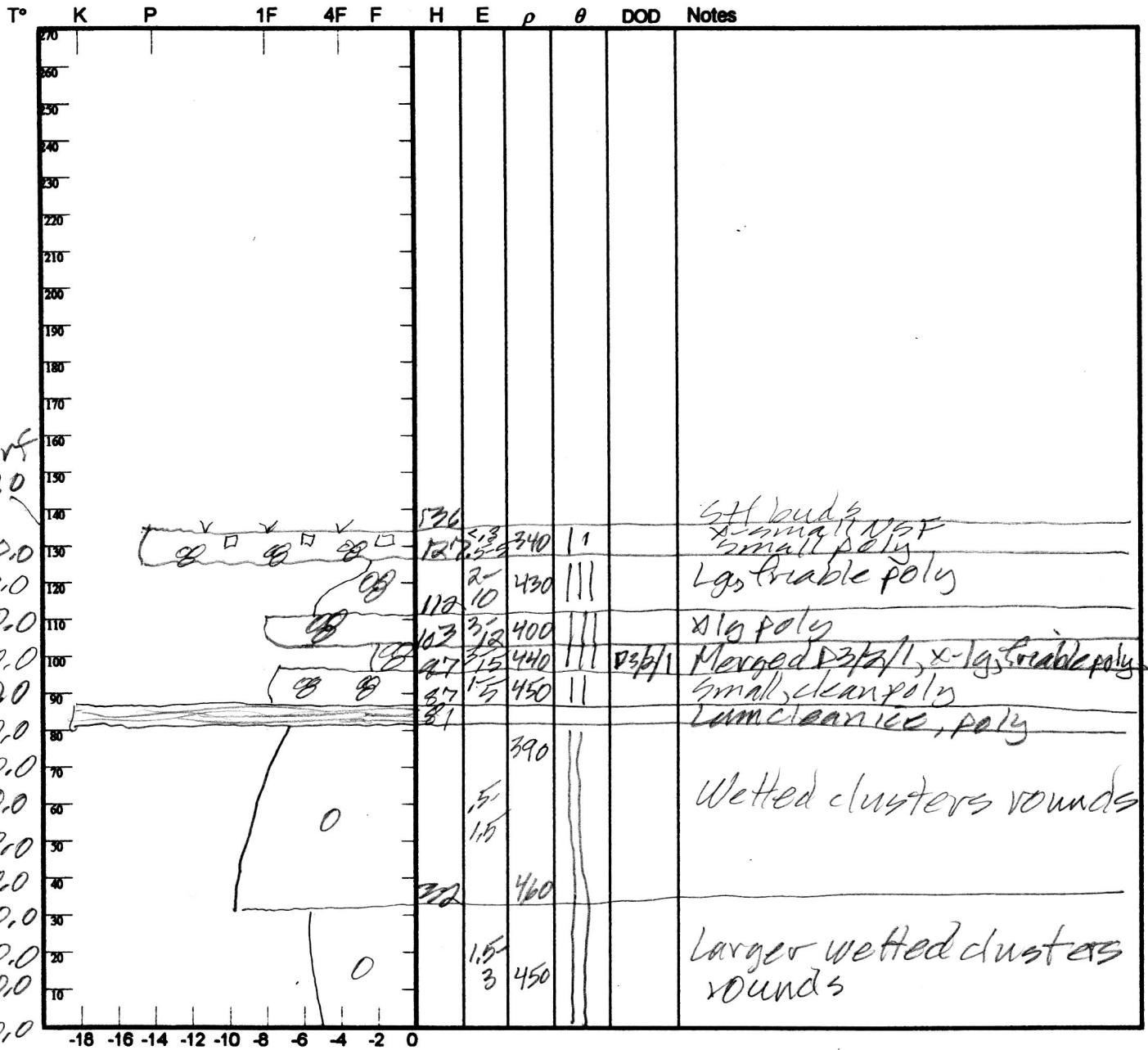
Air T: 17°C Sky: 0

Precip: Nil Wind: Nil

Prior Pit: # 21; 511915

Total Snowpack SWE: 581 mm H₂O

Notes: H₅₇ = 1.36 m; ρ = 427 kg/m³



| Potential Slab | | | Weak Layer & Bed Surface | | | | | | |
|----------------|--|--|--------------------------|---|-----------------|---|---|----|---------------|
| Ref | H ₂ O _{Nor} ÷ H _{Nor} = ρ _{kg} | Sin α × H _{Nor} × ρ × 9.8 = τ _{Slab} | F | E | T _{WL} | S | C | RB | Shear Quality |
| A | mm ÷ m = | X X X 9.8 = | | | | | | | |
| B | mm ÷ m = | X X X 9.8 = | | | | | | | |

Notes:

Observers: Ch

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Profile # 23

Time: 0820

Snowpack Profile

Date: 6/1/15

Location: ASD

Elev. 16,040' Aspect: NE

Boot Pen: 17 cm \angle : 3 °

Air T: +9 °C

Sky: ☉

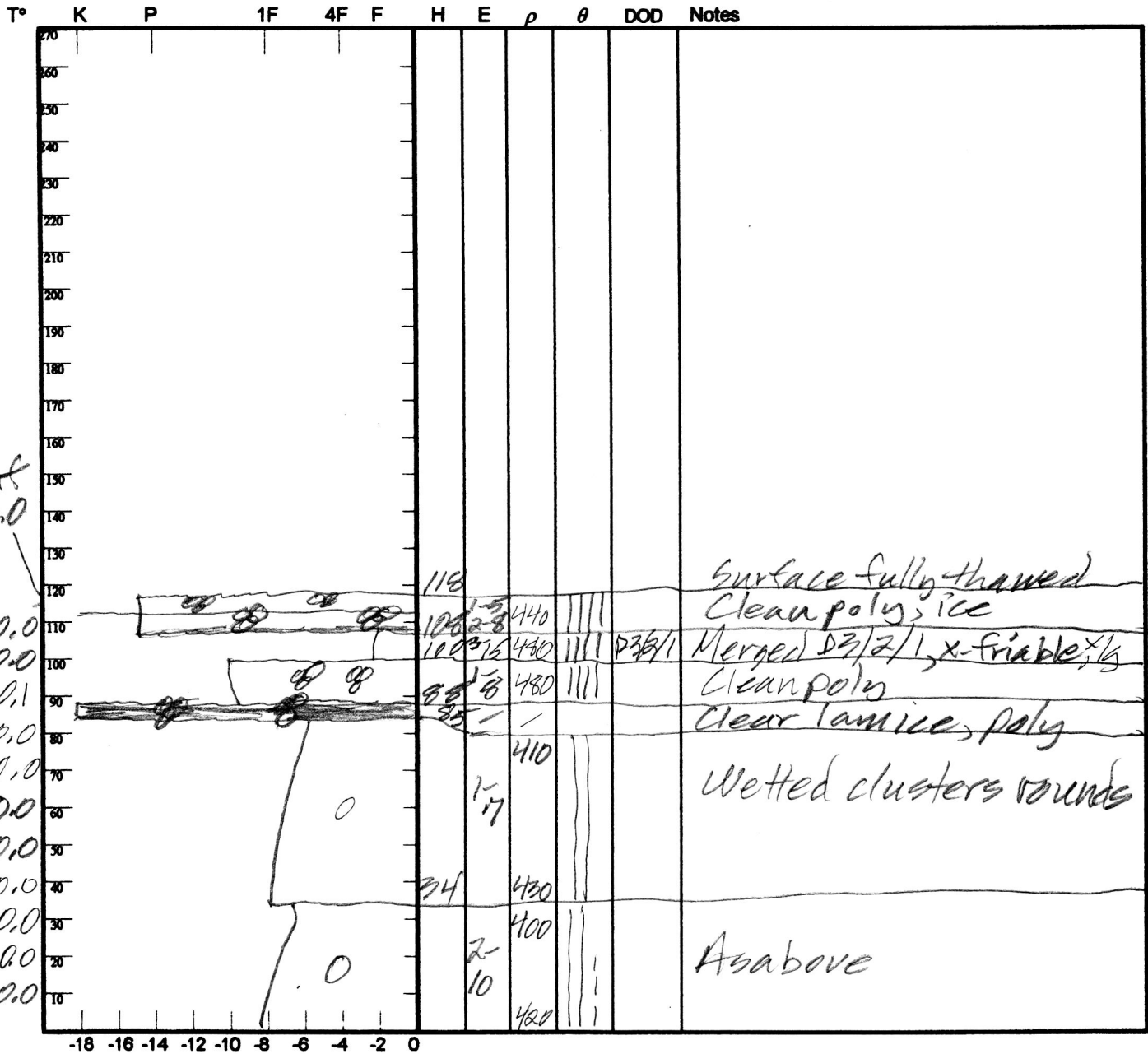
Precip: Nil

Wind: Nil

Prior Pit: # 22; 5/12/15

Total Snowpack SWE: 436 mm H₂O

Notes: H₂O = 1.16 m; $\rho = 419$ kg/m³



| Potential Slab | | | | Weak Layer & Bed Surface | | | | | | |
|----------------|---|--|--|--------------------------|---|-----------------|---|---|----|---------------|
| Ref | $H_{2O_{Nor}} \div H_{Nor} = \rho_{kg}$ | $\sin \angle \times H_{Nor} \times \rho \times 9.8 = T_{Slab}$ | | F | E | T _{wl} | S | C | RB | Shear Quality |
| A | mm ÷ m = | x x x 9.8 = | | | | | | | | |
| B | mm ÷ m = | x x x 9.8 = | | | | | | | | |

Notes:

Observers: CL

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Profile # 25

Time: 0820 MST

Snowpack Profile

Date: 6/14/15

Location: GASP

Elev. 11,000'

Aspect: NE

Boot Pen: 2 cm

\angle : 3 °

Air T: -12 °C

Sky: 0

Precip: Nil

Wind: Nil

Prior Pit: # 24; 6 B 115

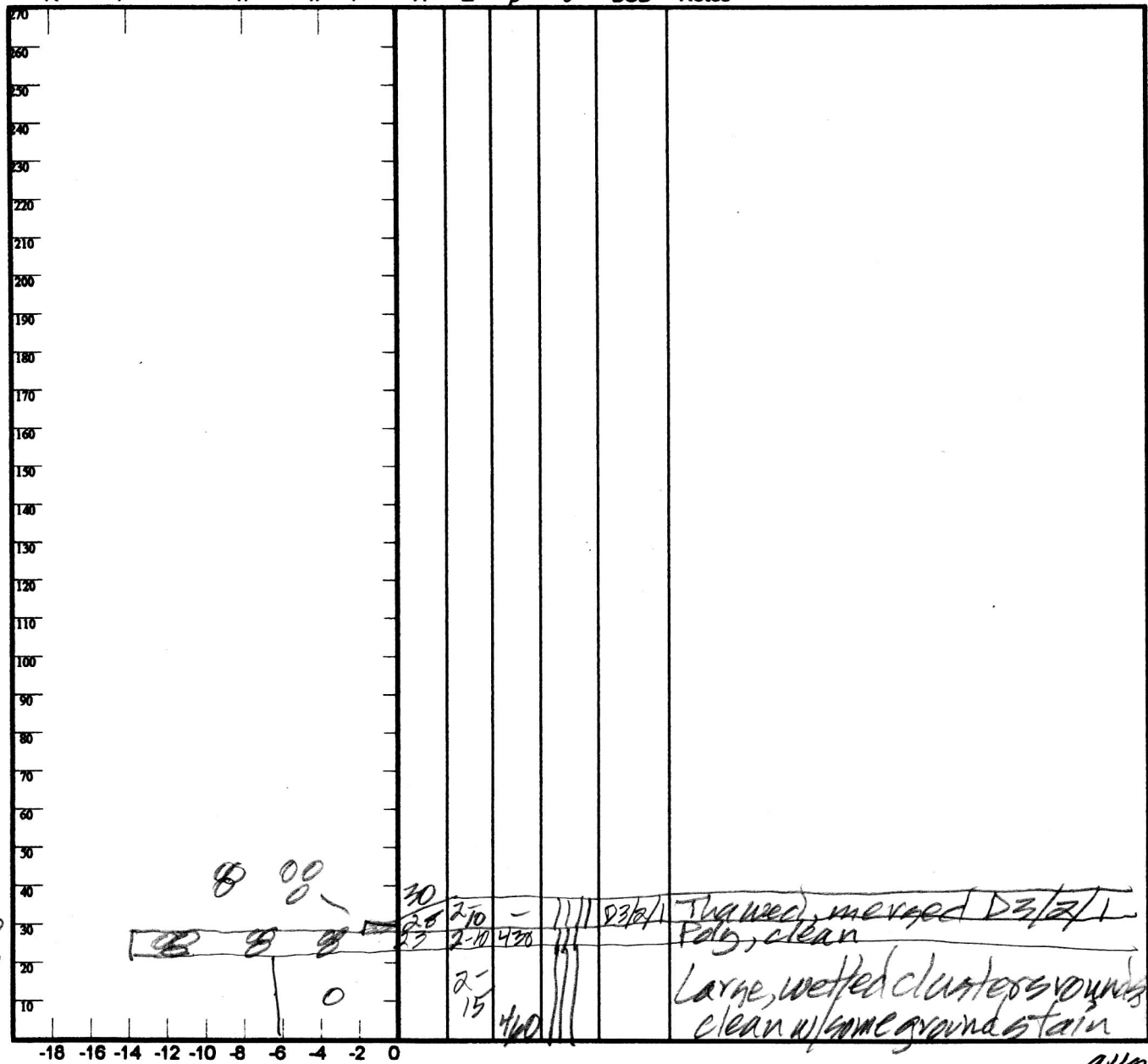
Total Snowpack SWE: 133 mm H₂O

Notes: H₂O = 0.28 m; ρ = 475 kg/m³

Flies around! Averaged two SWE samples

T° K P 1F 4F F H E ρ θ DOD Notes

surf
0.0
0.0
0.0
0.0



SWE
115
173
90
178
54
avg 133

| Potential Slab | | | Weak Layer & Bed Surface | | | | | | |
|----------------|--|---|--------------------------|---|-----------------|---|---|----|---------------|
| Ref | H ₂ O _{Nor} ÷ H _{Nor} = ρ_{kg} | Sin \angle x H _{Nor} x ρ x 9.8 = T_{Slab} | F | E | T _{WL} | S | C | RB | Shear Quality |
| A | mm ÷ m = | X X X 9.8 = | | | | | | | |
| B | mm ÷ m = | X X X 9.8 = | | | | | | | |

Notes: