Observers: CL+MB

Center for Snow and Avalanche Studies

Profile # 1

Time: 1245 MST

Snowpack Profile

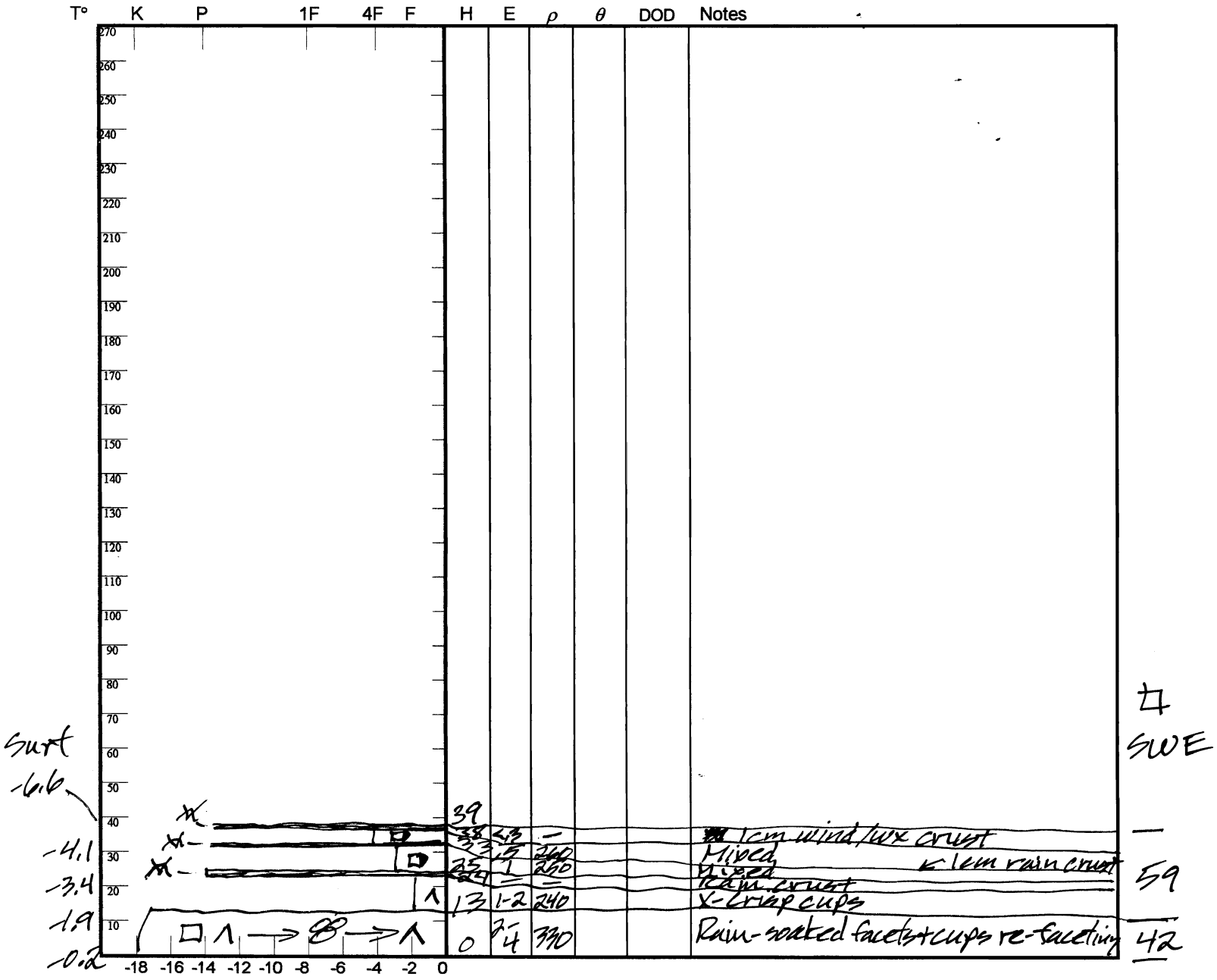
Date: 10/31/06

Location: 4 BSP

Elev. 12,200 Aspect: NE Boot Pen: 25 cm ∠: 23°

Air T: -0.5°C Sky: O Precip: Nil Wind: L- Prior Pit: # — ; —/—/—

Total Snowpack SWE: 101 mm H_2O Notes: HST = 0.38m; $\bar{\rho}$ = 266 kg/m³



Potential Slab												Weak Layer & Bed Surface						
Ref	H_2O_{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:

V. 11/20/03

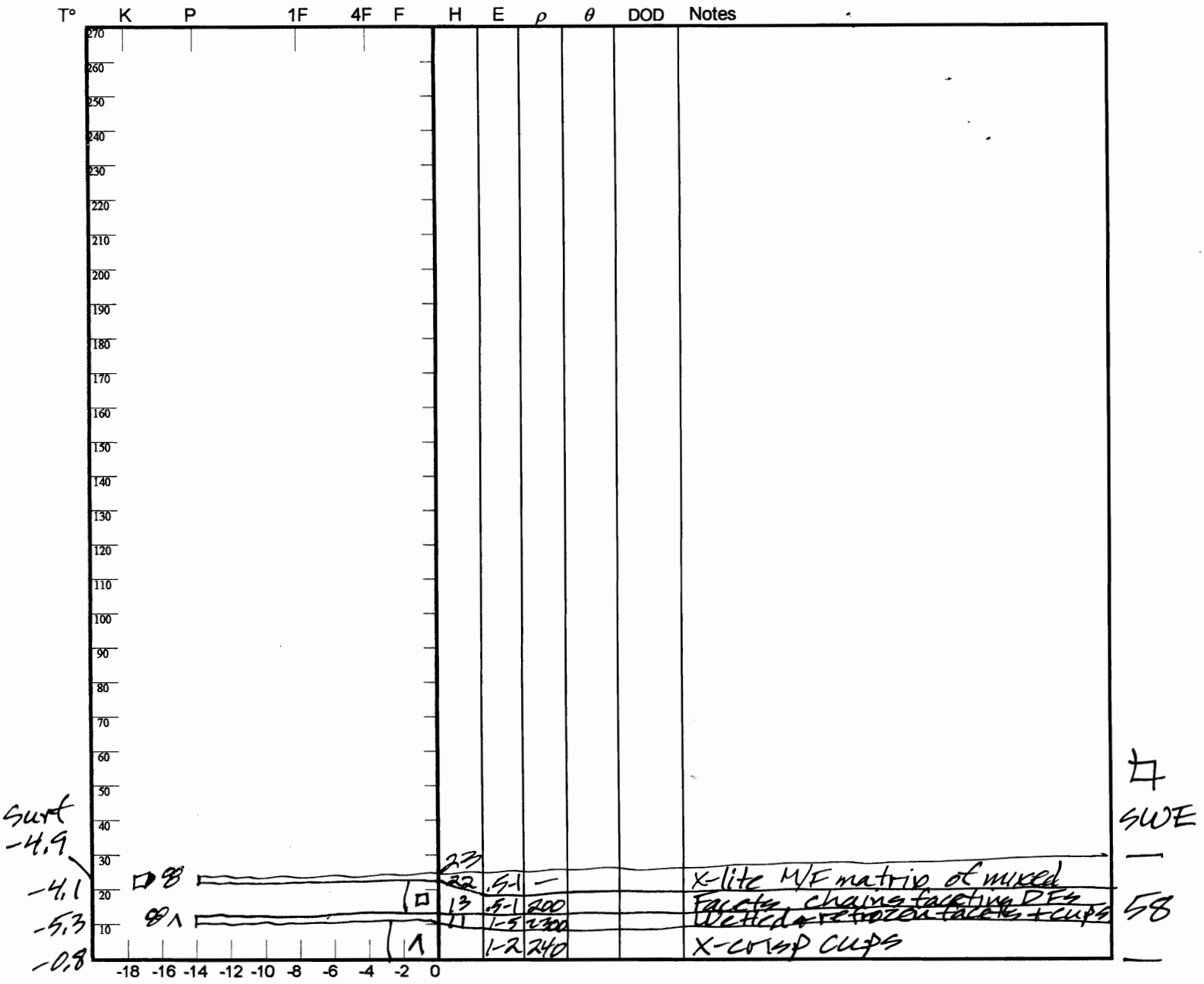
Observers: CL+MB | **Center for Snow and Avalanche Studies** | Profile # 2

Time: 1110 | **Snowpack Profile** | Date: 11/1/06

Location: SASP | Elev. 11,050 | Aspect: NE | Boot Pen: 20 cm | ∠: 7°

Air T: +1 °C | Sky: O | Precip: Nil | Wind: Nil | Prior Pit: # —; —/—/—

Total Snowpack SWE: 58 mm H_2O | Notes: HST = .21m; $\bar{\rho}$ = 276 kg/m³



Potential Slab						Weak Layer & Bed Surface						
Ref	H_2O_{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:

V. 11/20/03

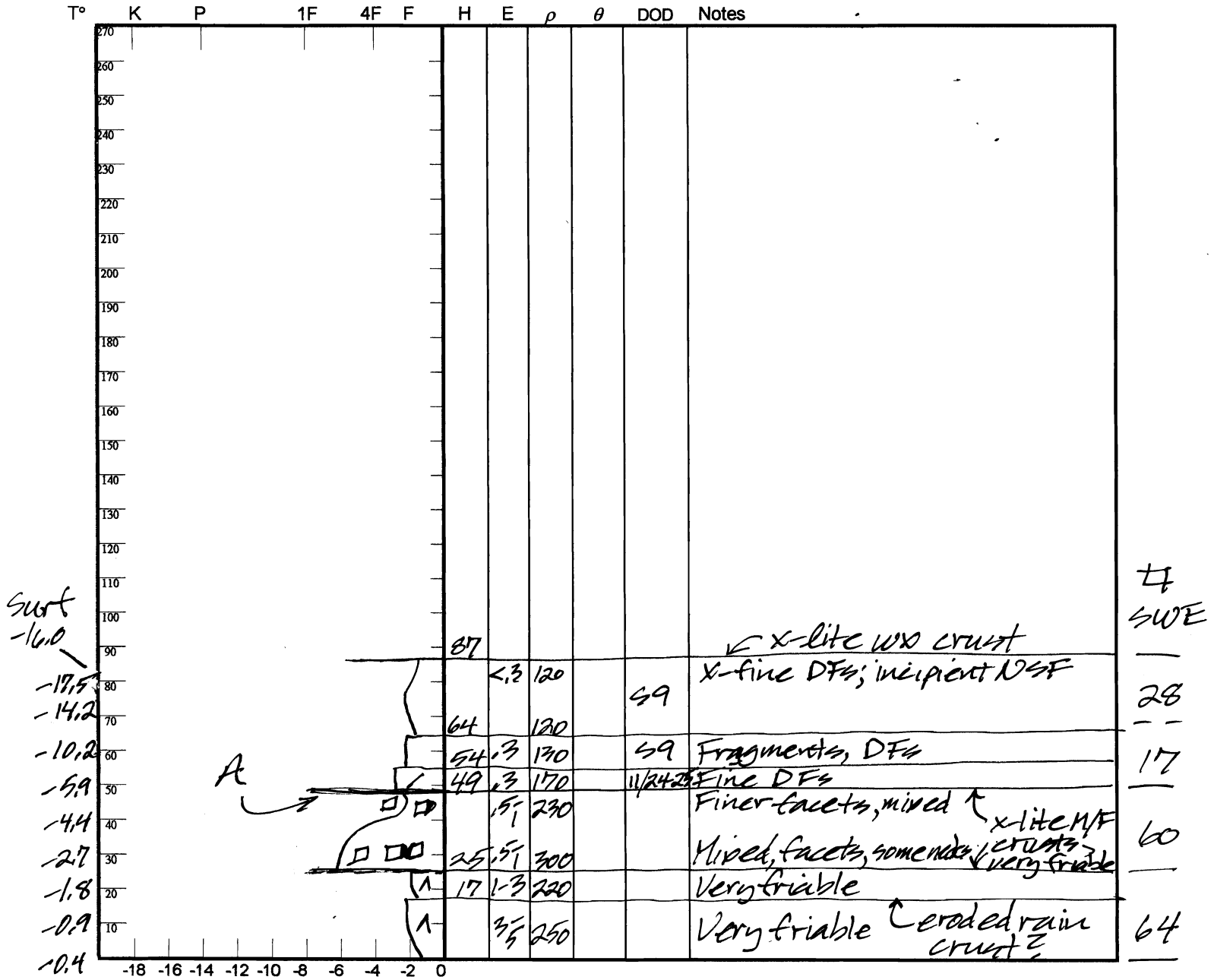
Observers: CL | **Center for Snow and Avalanche Studies** | Profile # 3

Time: 1230 MST | **Snowpack Profile** | Date: 11/30/06

Location: SASP aux. plot | Elev. 11,050' | Aspect: NE | Boot Pen: 52 cm | ∠: 4°

Air T: -7 °C | Sky: O | Precip: Nil | Wind: L+ | Prior Pit: # 2 ; 11/1/06

Total Snowpack SWE: 169 mm H_2O | Notes:



Potential Slab						Weak Layer & Bed Surface						
Ref	$H_2O_{Nor} \div H_{Nor} = \rho_{kg}$	$Sin\angle$ x H_{Nor} x ρ x 9.8 = τ_{Slab}				F	E	T_{WL}	S	C	RB	Shear Quality
A	45 mm ÷ 236 m = 118	x	x	x 9.8 =								
B	mm ÷ m =	x	x	x 9.8 =								

Notes: 5-0.95 lb ramdrops @ 0.32-0.33 cm

V. 11/20/03

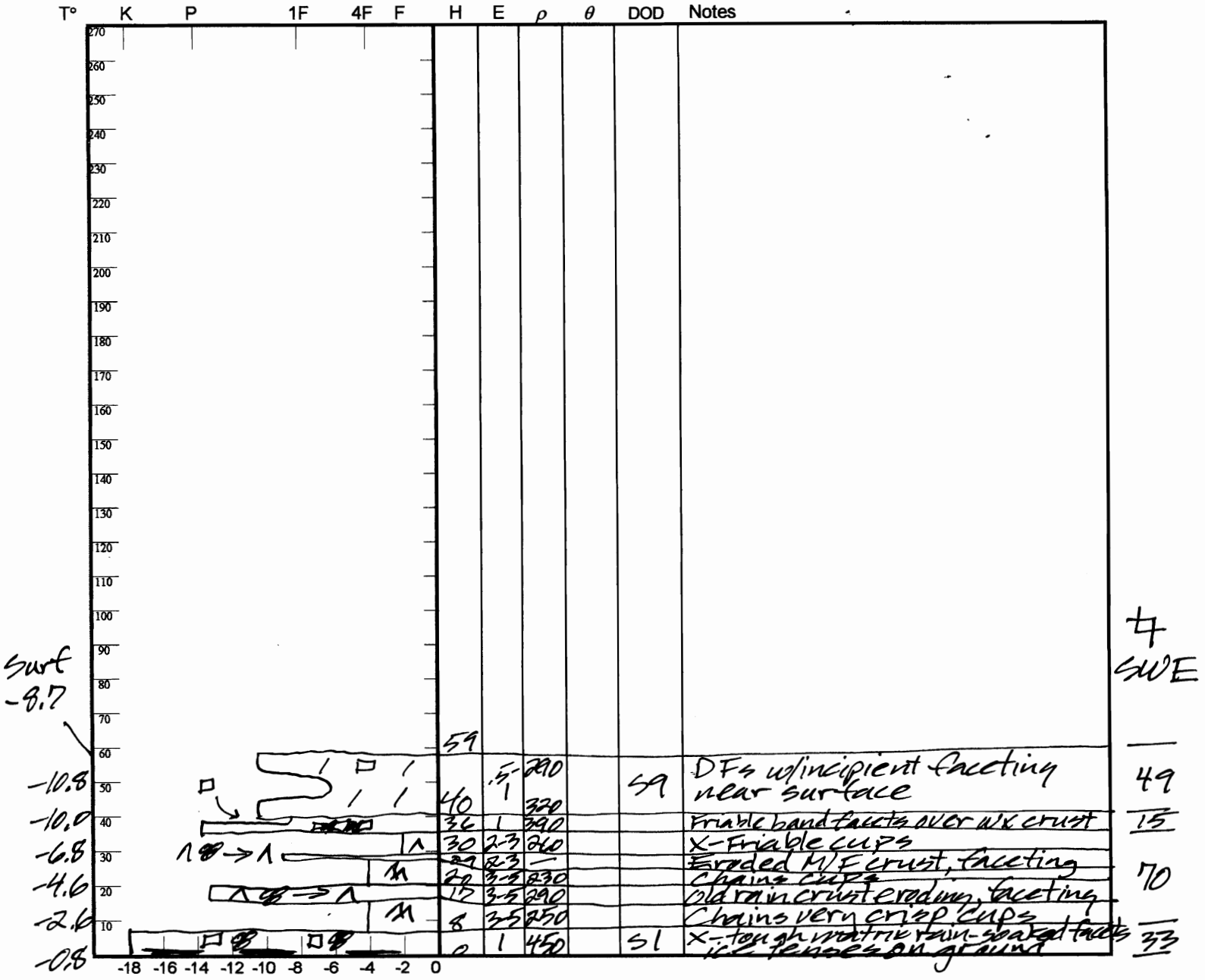
Observers: CL+MB | **Center for Snow and Avalanche Studies** | Profile # 4

Time: 1225 | **Snowpack Profile** | Date: 12/4/06

Location: SBSP | Elev. 12,200' Aspect: NE Boot Pen: 7 cm ∠: 3°

Air T: -1 °C Sky: O | Precip: Nil Wind: Nil Prior Pit: # 1 ; 10/31/06

Total Snowpack SWE: 167 mm H_2O | Notes: HS+ = 0.60; ρ = 278 kg/m³



Potential Slab						Weak Layer & Bed Surface						
Ref	H_2O_{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:

V. 11/20/03

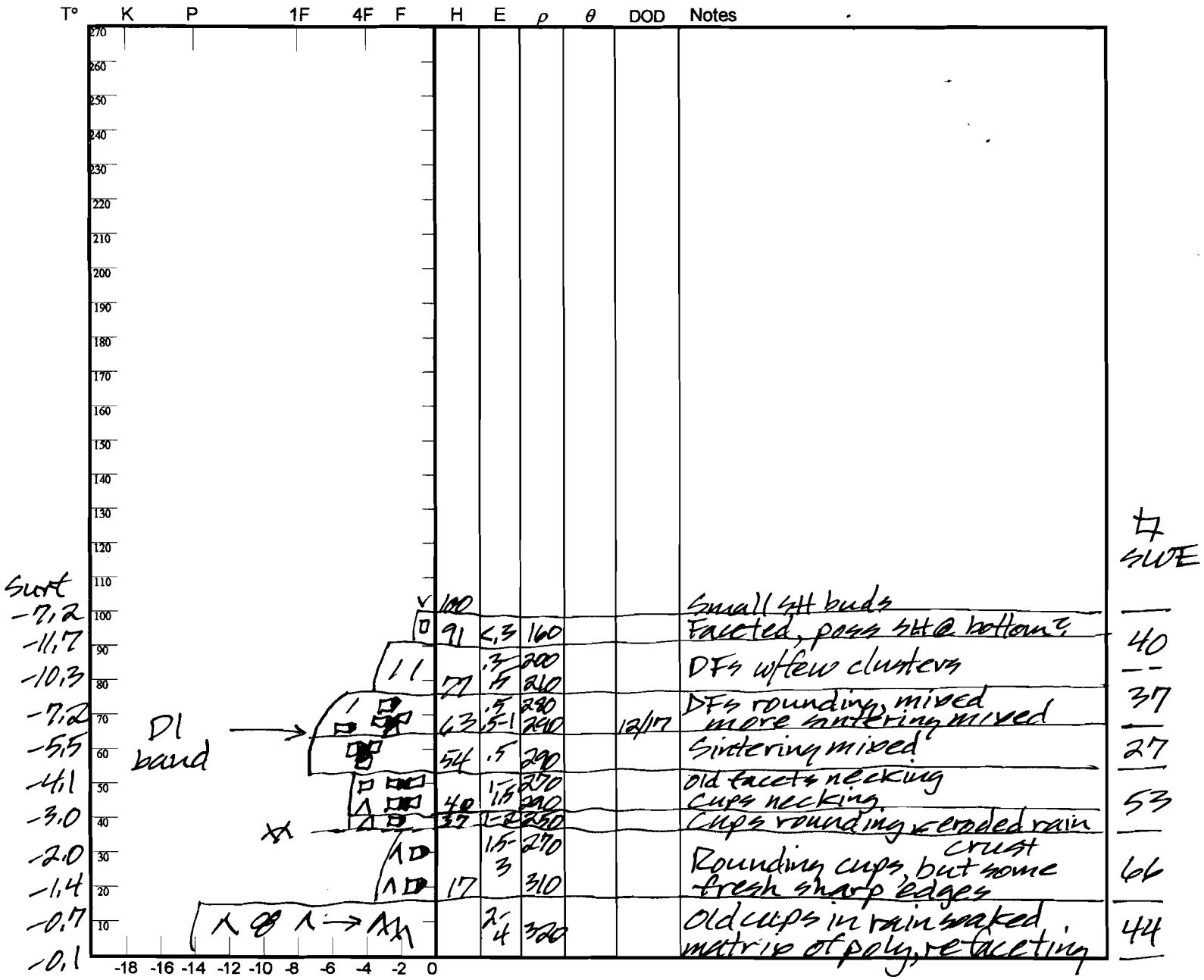
Observers: CL+MB | **Center for Snow and Avalanche Studies** | Profile # 5

Time: 1110 | **Snowpack Profile** | Date: 1/1/07

Location: SASP-East | Elev. 11,050' | Aspect: NE | Boot Pen: 22 cm | ∠: 5°

Air T: 0 °C | Sky: O | Precip: Nil | Wind: Nil | Prior Pit: # 3 ; 11/30/06

Total Snowpack SWE: 267 mm H_2O | Notes: HST = 1.02 ; $\bar{\rho}$ = 262 kg/m³



Potential Slab					Weak Layer & Bed Surface						
Ref	$H_2O_{Nor} \div H_{Nor} = \rho_{kg}$	$\sin\angle$ 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:

V. 11/20/03

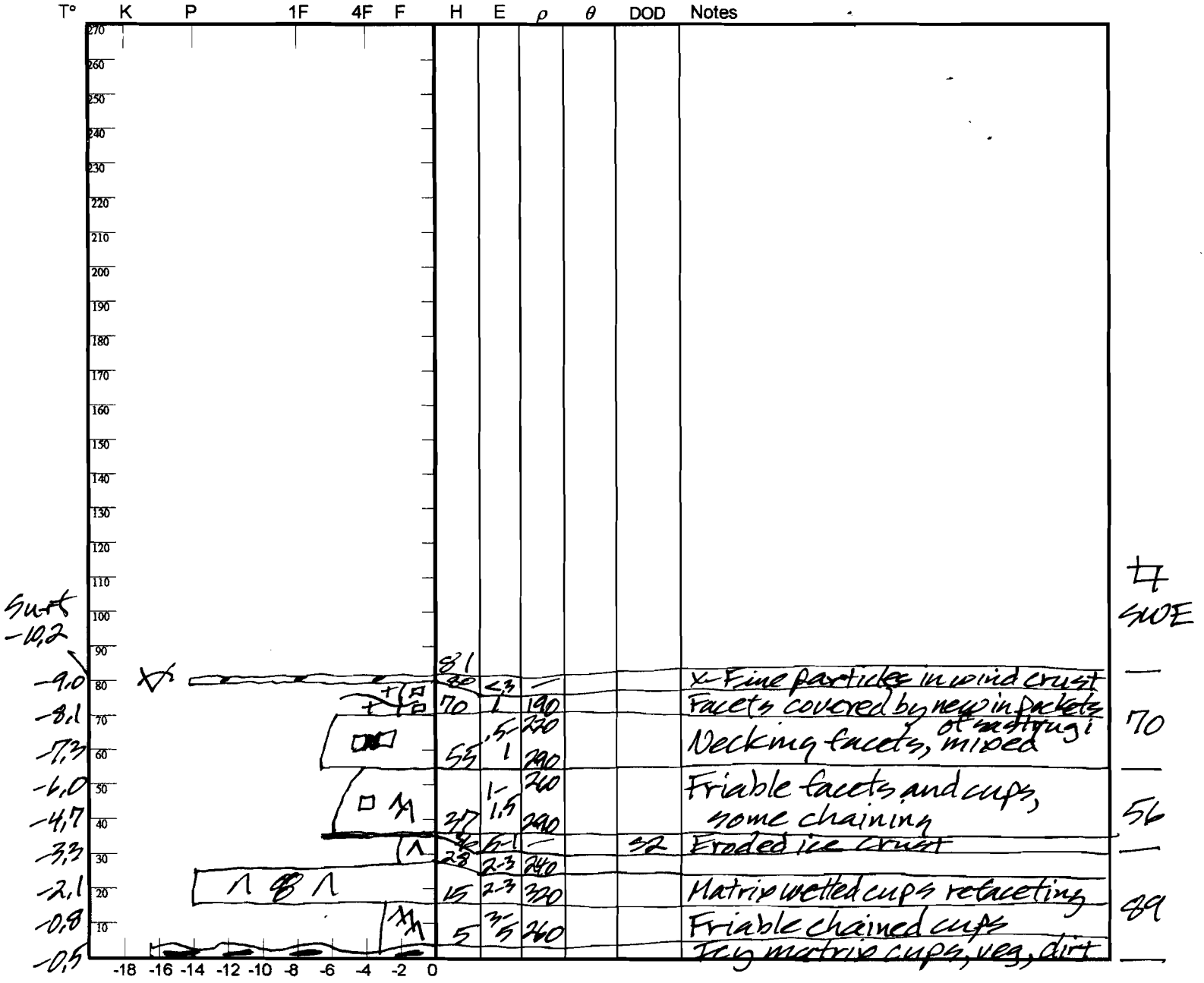
Observers: CL+MB | **Center for Snow and Avalanche Studies** | Profile # 6

Time: 1355 | **Snowpack Profile** | Date: 1/6/07

Location: SBSP | Elev. 12,200' | Aspect: NE | Boot Pen: Var cm | ∠: 4°

Air T: -3 °C | Sky: O | Precip: Nil | Wind: Lt | Prior Pit: # 4 ; 12/4/06

Total Snowpack SWE: 215 mm H_2O | Notes: HS4 = 0.79 ; $\bar{\rho}$ = 272 kg/m³



Potential Slab								Weak Layer & Bed Surface						
Ref	H_2O_{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:

V. 11/20/03

Observers: CLMB | **Center for Snow and Avalanche Studies** | Profile # 7

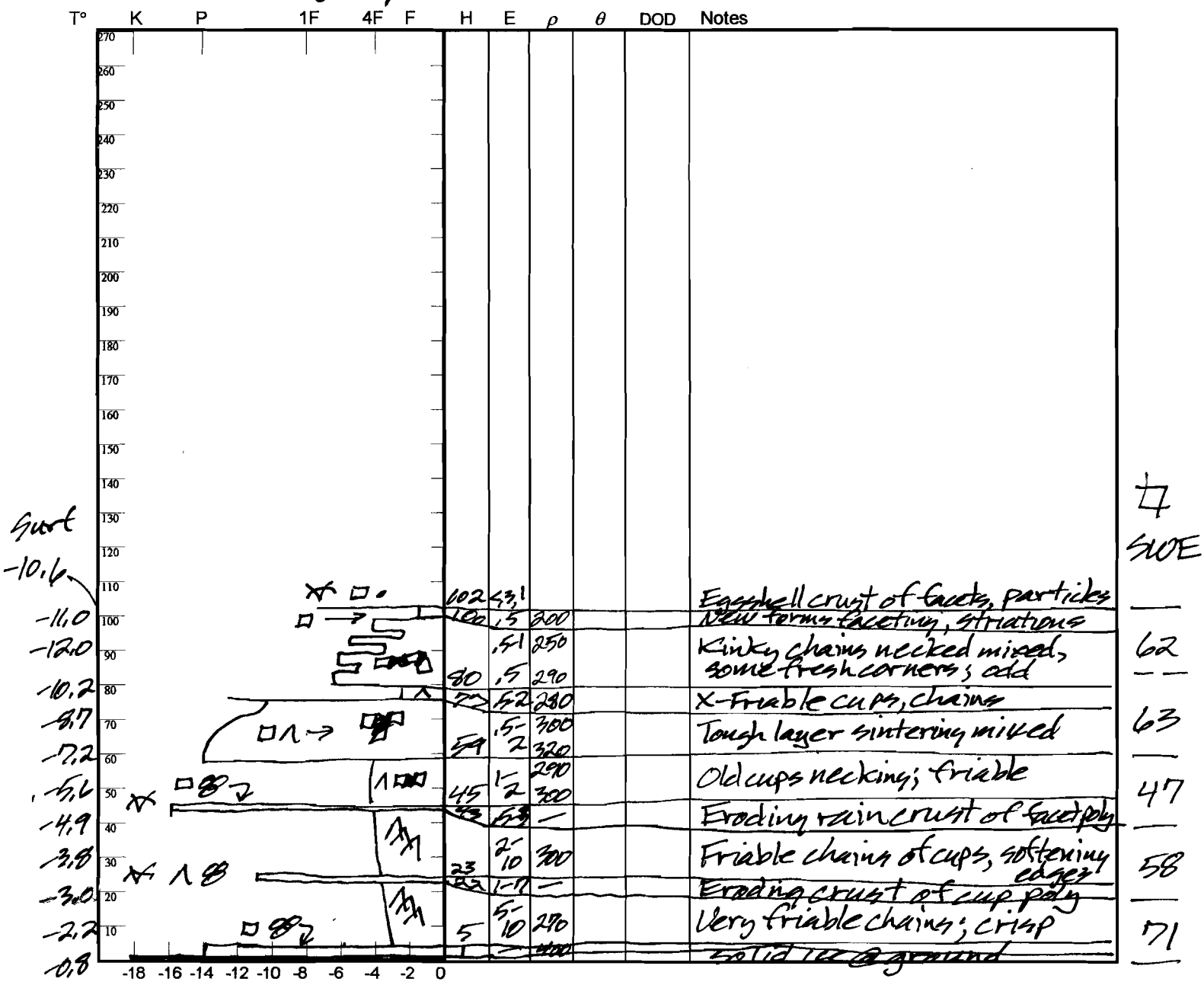
Time: 1335 | **Snowpack Profile** | Date: 1/29/07

Location: SBSP | Elev. 12,200' | Aspect: NE | Boot Pen: 20 cm | ∠: 3°

Air T: -6 °C | Sky: O | Precip: Nil | Wind: Lt | Prior Pit: # 6 ; 1/1/07

Total Snowpack SWE: 301 mm H_2O | Notes: HS4 = 0.98 ; $\bar{\rho}$ = 307 kg/m³

No Dust #1 layer present.



Potential Slab					Weak Layer & Bed Surface						
Ref	H_2O_{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:

V. 11/20/03

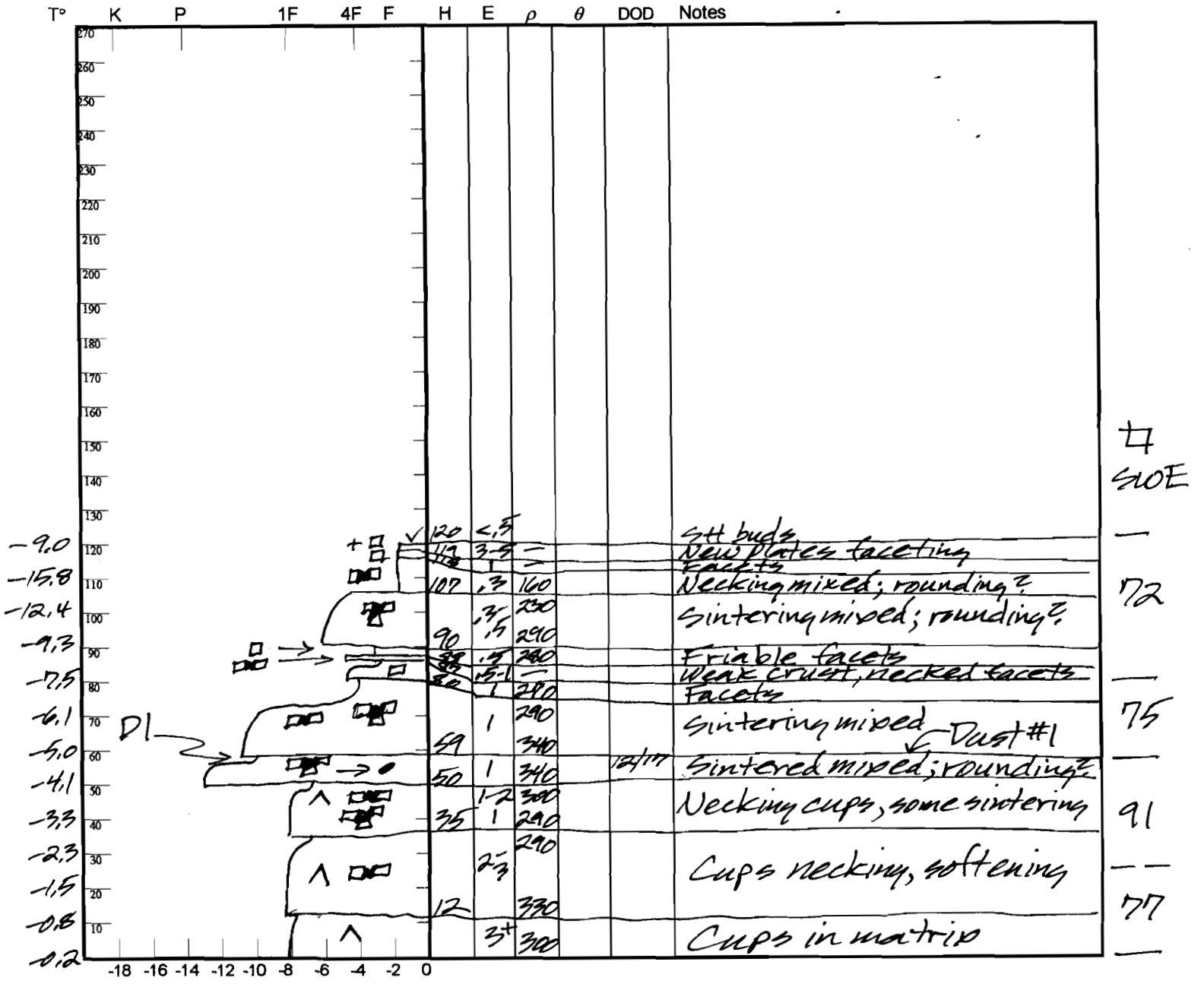
Observers: CL+MB | **Center for Snow and Avalanche Studies** | Profile # 8

Time: 1035 | **Snowpack Profile** | Date: 1/30/07

Location: SASP | Elev. 11,040' | Aspect: NE | Boot Pen: 22 cm | ∠: 3°

Air T: -2 °C | Sky: O | Precip: Nil+ | Wind: Lt | Prior Pit: # 5 ; 1/1/07

Total Snowpack SWE: 315 mm H_2O | Notes: HST = 1.16 ; $\bar{\rho}$ = 247 Kg/m³



Potential Slab								Weak Layer & Bed Surface						
Ref	H_2O_{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:

V. 11/20/03

Observers: CL, MB, GS | **Center for Snow and Avalanche Studies** | Profile # 9

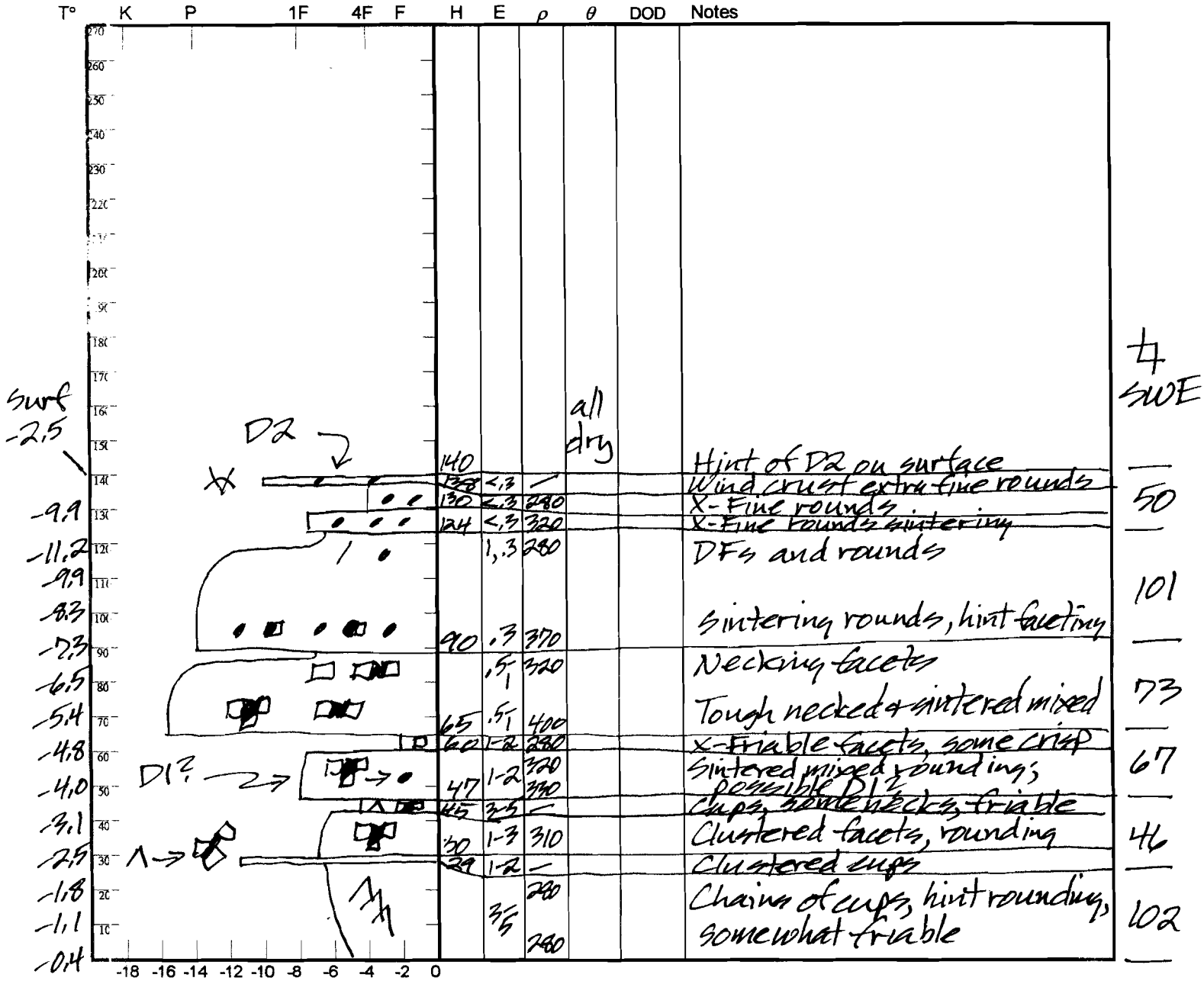
Time: 1145 | **Snowpack Profile** | Date: 3/5/07

Locat on: SBSP | Elev. 12,200' | Aspect: NE | Boot Pen: 0-10 cm | ∠: 3°

Air T +8 °C | Sky: O | Precip: Nil | Wind: Nil | Prior Pit: # 7 ; 1/29/07

Total Snowpack SWE: 439 mm H_2O | Notes: HS↳ = 1,40 m ; $\bar{\rho}$ = 314 kg/m³

Highly variable D2 exposure in alpine terrain.



Potential Slab						Weak Layer & Bed Surface						
Ref	H_2O_{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:

V. 11/20/03

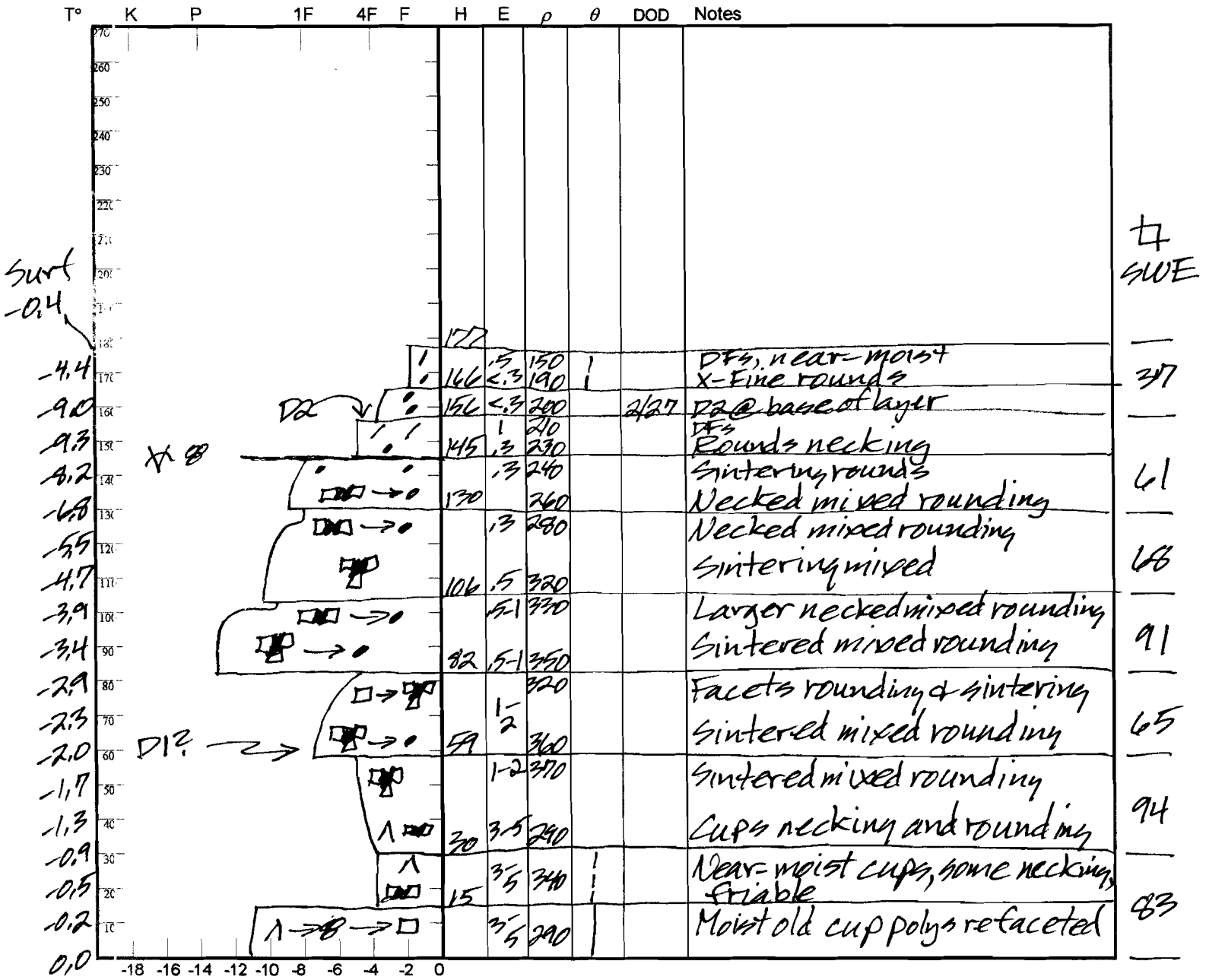
Observers: CL, MB, SS | **Center for Snow and Avalanche Studies** | Profile # 10

Time: 1430 | **Snowpack Profile** | Date: 3/5/07

Locat on: SASP | Elev. 11,050' | Aspect: NE | Boot Pen: 20 cm | ∠: 3°

Air T +9 °C | Sky: cirrus | Precip: Nil | Wind: Nil | Prior Pit: # 8 ; 1/30/07

Total Snowpack SWE: 499 mm H_2O | Notes: HS4=1.73; ρ = 288 kg/m³



Potential Slab						Weak Layer & Bed Surface						
Ref	H_2O_{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:

V. 11/20/03

Observers: CL+MB | **Center for Snow and Avalanche Studies** | Profile # 11

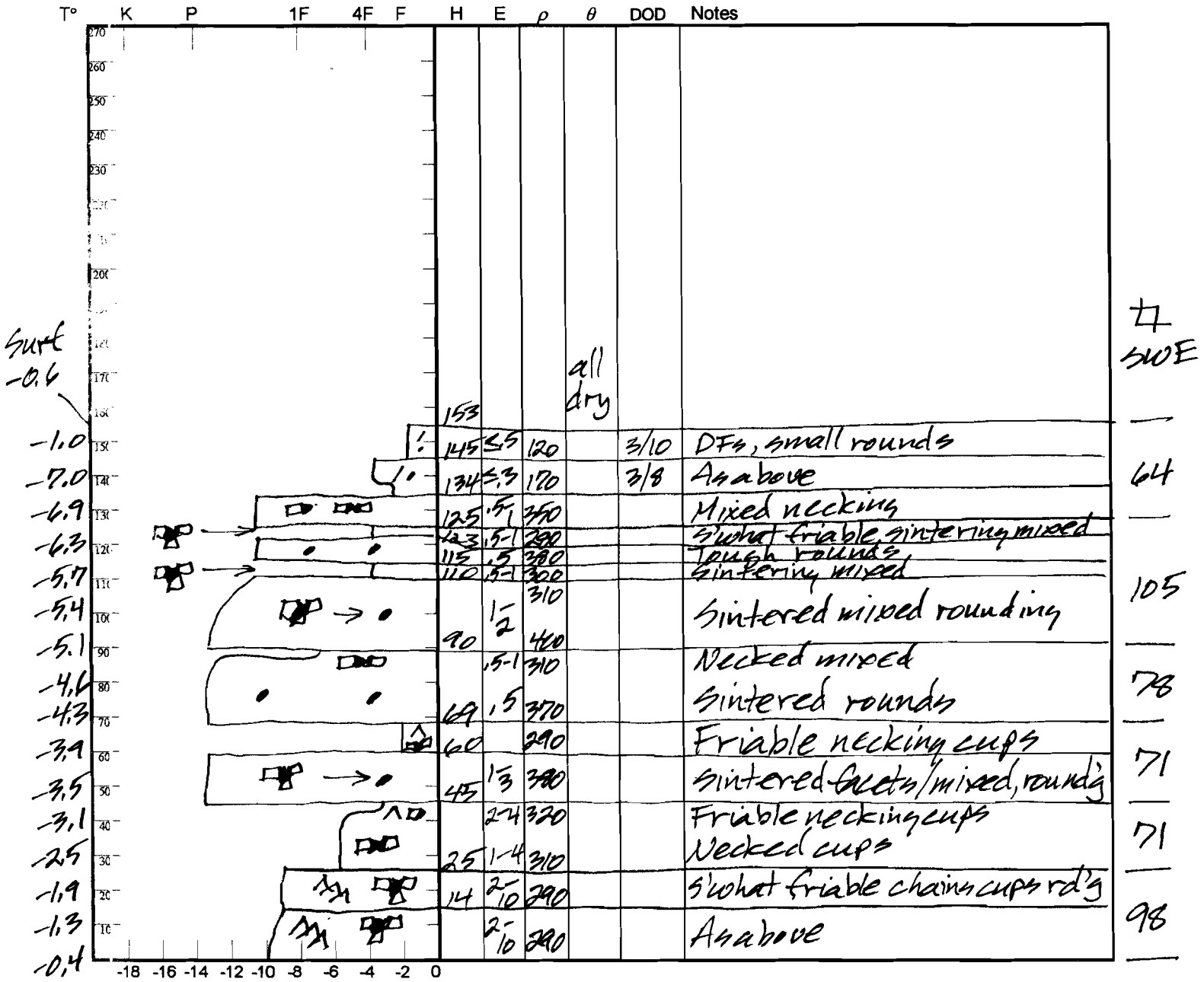
Time: 1030 MST | **Snowpack Profile** | Date: 3/12/07

Locat on: SBSP | Elev. 12,200' | Aspect: NE | Boot Pen: 5 cm | ∠: 3°

Air T +8 °C | Sky: O | Precip: Nil | Wind: Nil | Prior Pit: # 9 ; 3/5/07

Total Snowpack SWE: 487 mm H_2O | Notes: HST = 1.57; ρ = 310 kg/m³

No DH visible in this pit.



Potential Slab						Weak Layer & Bed Surface						
Ref	H_2O_{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:

V. 11/20/03

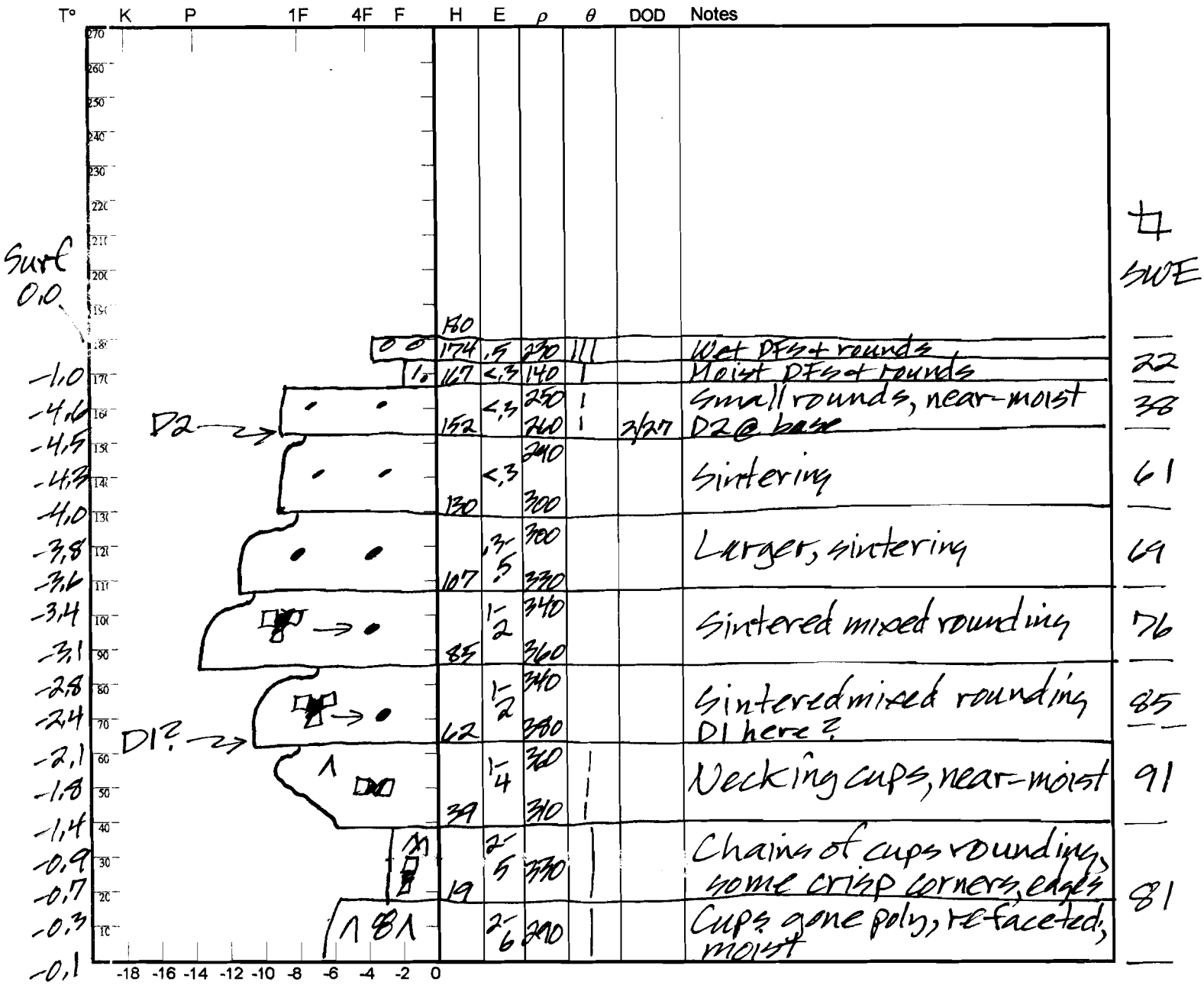
Observers: CL+MB | **Center for Snow and Avalanche Studies** | Profile # 12

Time: 1400 MST | **Snowpack Profile** | Date: 3/12/07

Locat on: SASP | Elev. 11,050' | Aspect: NE | Boot Pen: 13 cm | ∠: 3°

Air T +11 °C | Sky: O | Precip: Nil | Wind: Nil | Prior Pit: # 10 ; 3/5/07

Total Snowpack SWE: 523 mm H_2O | Notes: HS = 1.73 ; $\bar{\rho}$ = 302 kg/m³



Potential Slab								Weak Layer & Bed Surface						
Ref	H_2O_{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:

V. 11/20/03

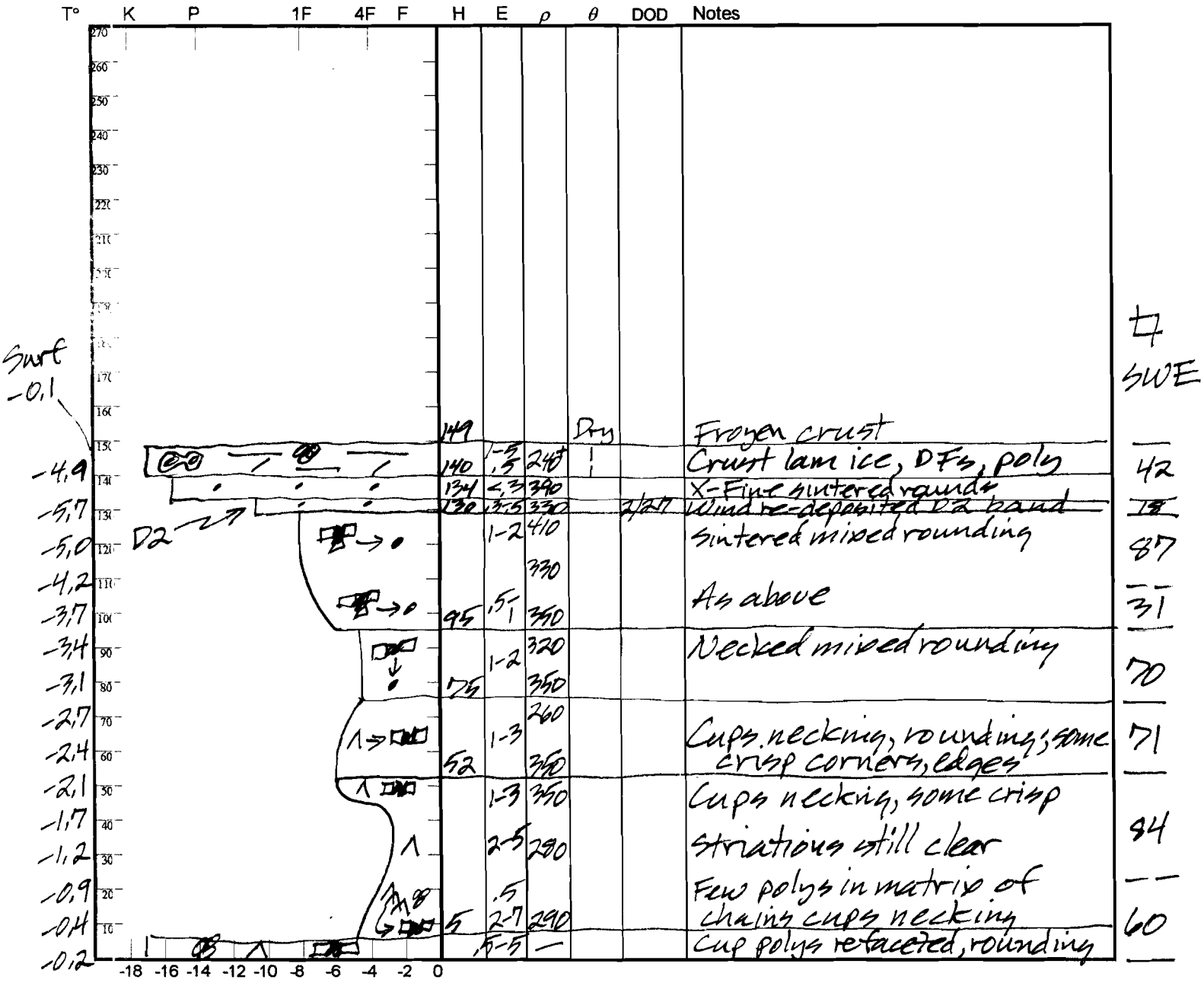
Observers: CL+MB | **Center for Snow and Avalanche Studies** | Profile # 13

Time: 0950 MST | **Snowpack Profile** | Date: 3/19/07

Locat on: SBSP | Elev. 12,200' | Aspect: NE | Boot Pen: 0-2 cm | ∠: 4°

Air T +9 °C | Sky: O | Precip: Nil | Wind: Nil | Prior Pit: # 11 ; 3/12/07

Total Snowpack SWE: 463 mm H_2O | Notes: HS ⊥ = 1.43 ; $\bar{\rho}$ = 324 kg/m³



Potential Slab						Weak Layer & Bed Surface						
Ref	H_2O_{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:

V. 11/20/03

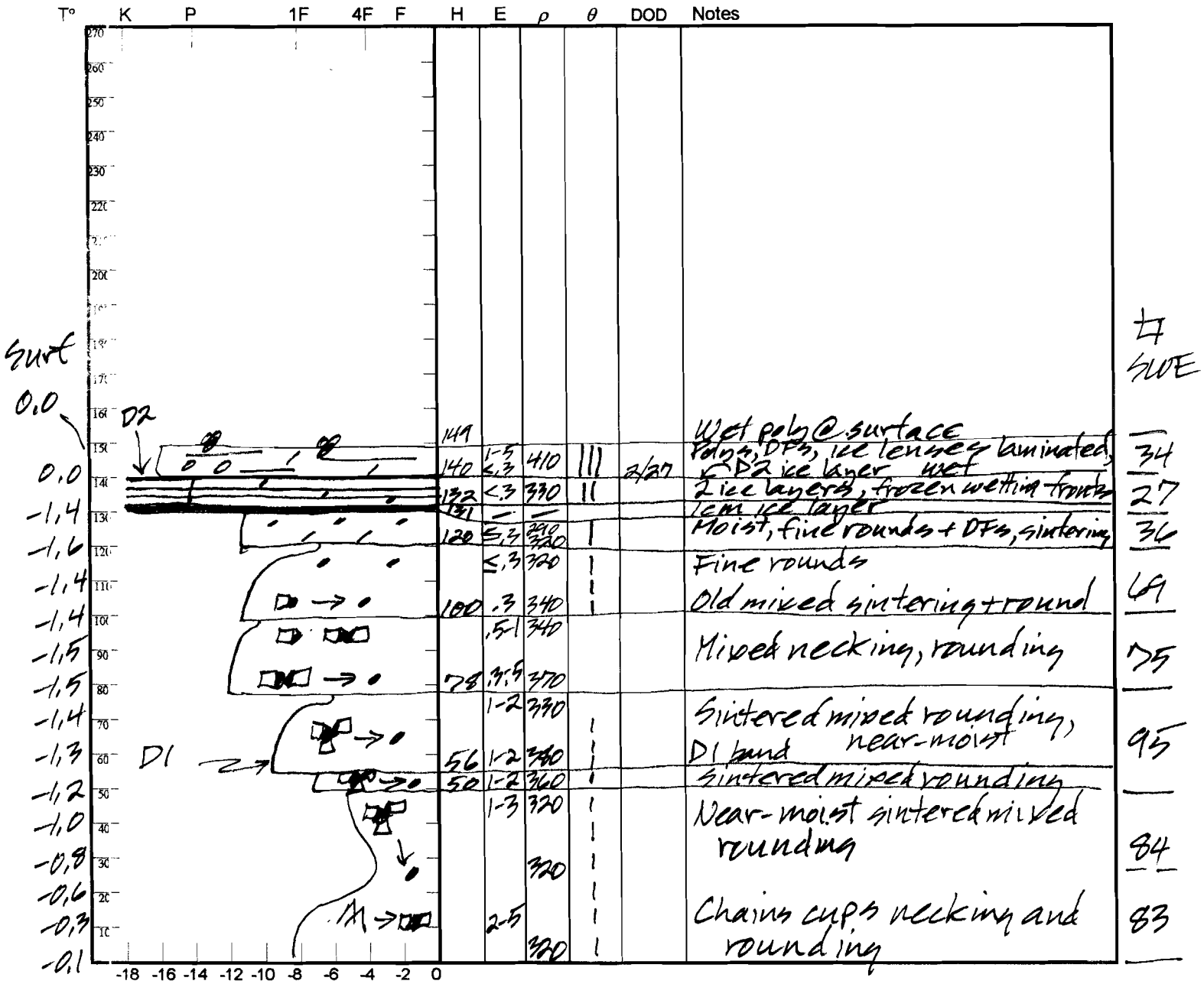
Observers: CL4MB | **Center for Snow and Avalanche Studies** | Profile # 14

Time: 1230 MST | **Snowpack Profile** | Date: 3/19/07

Locat on: SASP | Elev. 11,050' | Aspect: NE | Boot Pen: 3 cm | ∠: 2°

Air T +7 °C | Sky: OV | Precip: Ocd SI | Wind: L4 | Prior Pit: # 12; 3/12/07

Total Snowpack SWE: 503 mm H_2O | Notes: HS↓ = 1,51; $\bar{\rho}$ = 333 kg/m³



Potential Slab						Weak Layer & Bed Surface						
Ref	H_2O_{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:

V. 11/20/03

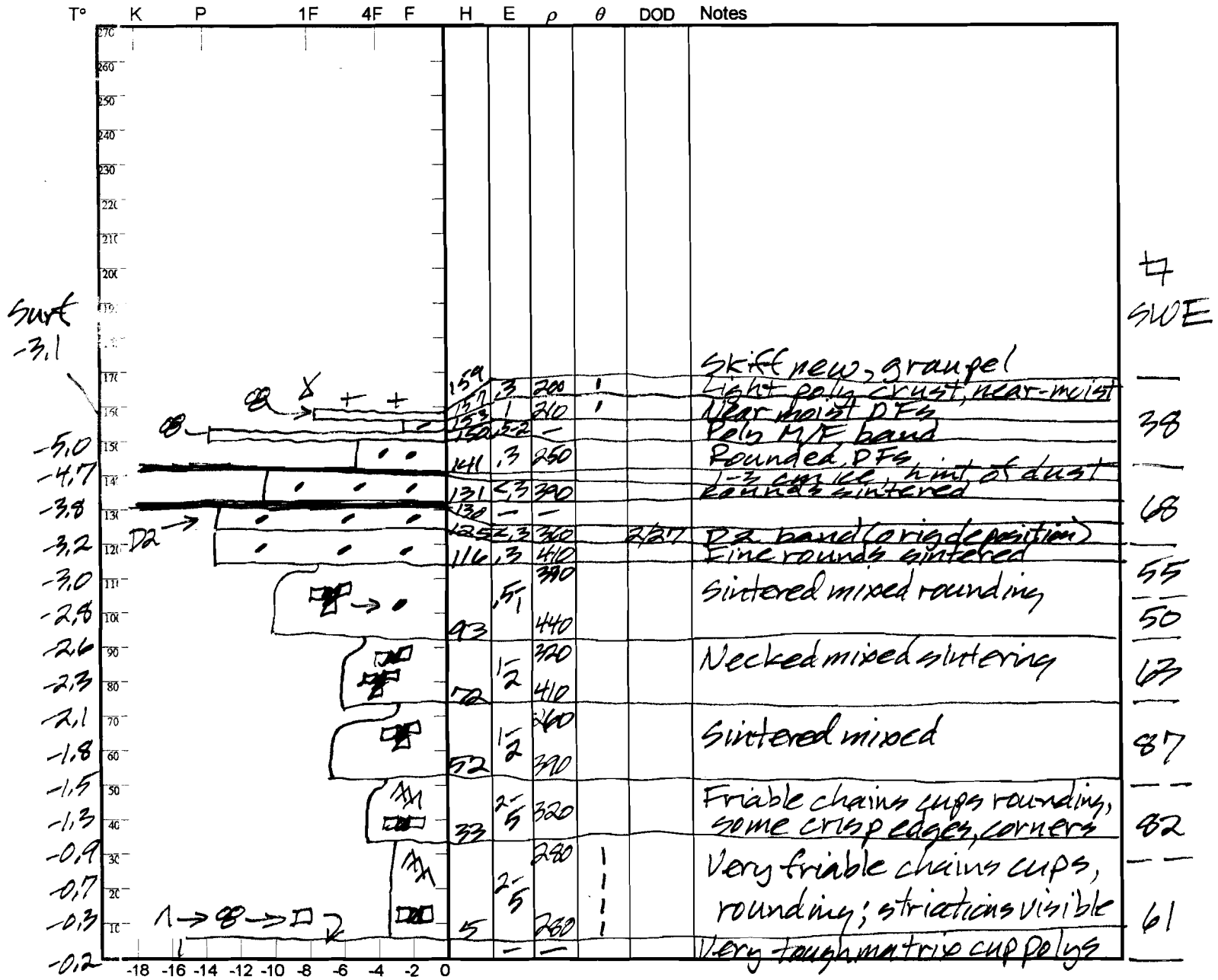
Observers: CL+MG | **Center for Snow and Avalanche Studies** | Profile # 15

Time: 0925 MST | **Snowpack Profile** | Date: 3/26/07

Locat on: SBSP | Elev. 12,200' | Aspect: NE | Boot Pen: 10 cm | ∠: 5°

Air T +2 °C | Sky: O | Precip: Nil | Wind: L+NE | Prior Pit: # 13; 3/19/07

Total Snowpack SWE: 504 mm H_2O | Notes: HS+ = 1.59m; ρ = 317 kg/m³



Potential Slab								Weak Layer & Bed Surface						
Ref	H_2O_{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:

V. 11/20/03

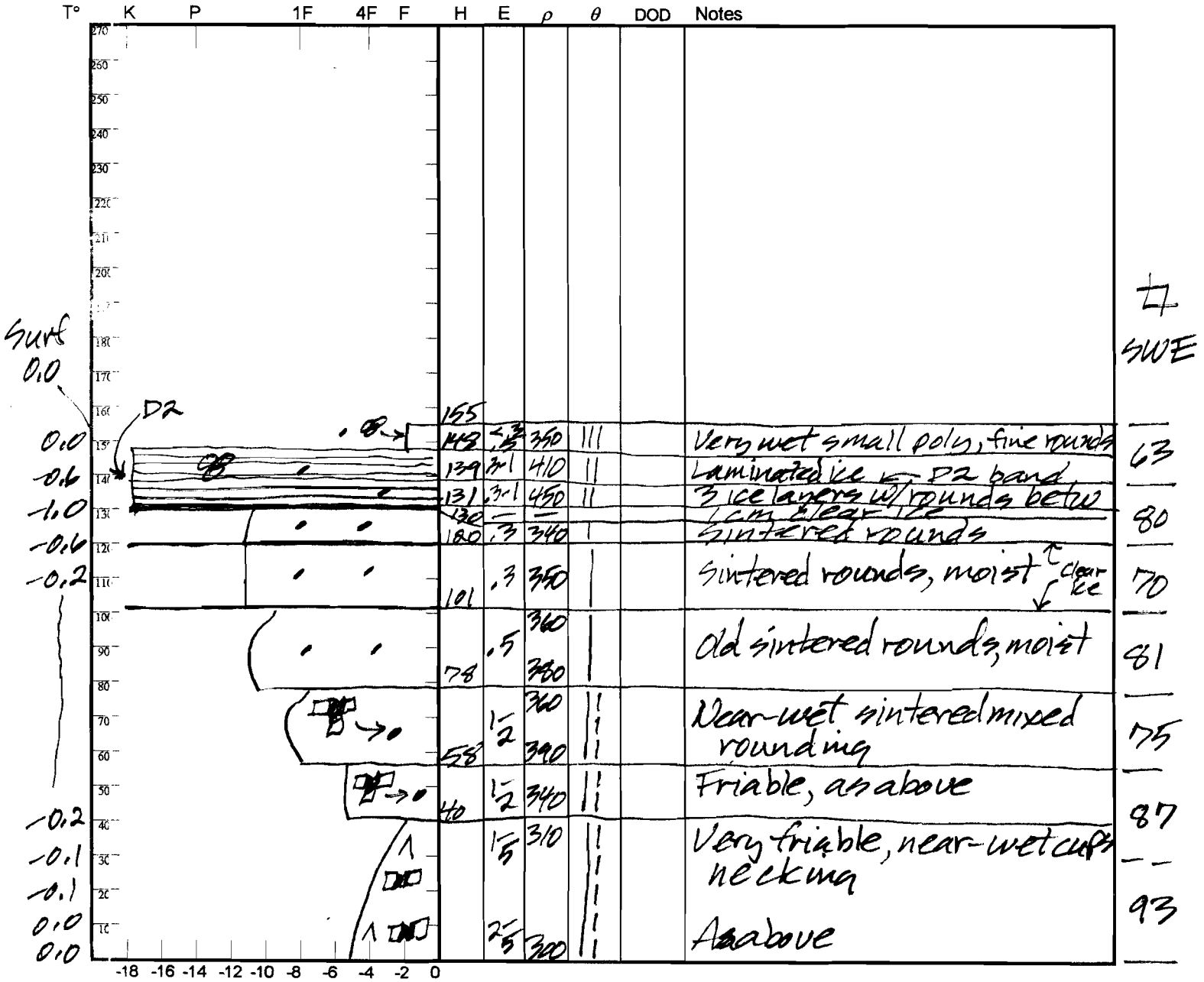
Observers: CL+MG **Center for Snow and Avalanche Studies** Profile # 16

Time: 1230 MST **Snowpack Profile** Date: 3/26/07

Locat on: SASP Elev. 11,050' Aspect: NE Boot Pen: 5 cm ∠: 3°

Air T +11 °C Sky: O Precip: Nil Wind: Nil Prior Pit: # 14; 3/19/07

Total Snowpack SWE: 549 mm H_2O Notes: HST = 1.54 m; $\bar{\rho}$ = 356 kg/m³



Potential Slab						Weak Layer & Bed Surface						
Ref	H_2O_{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:

V. 11/20/03

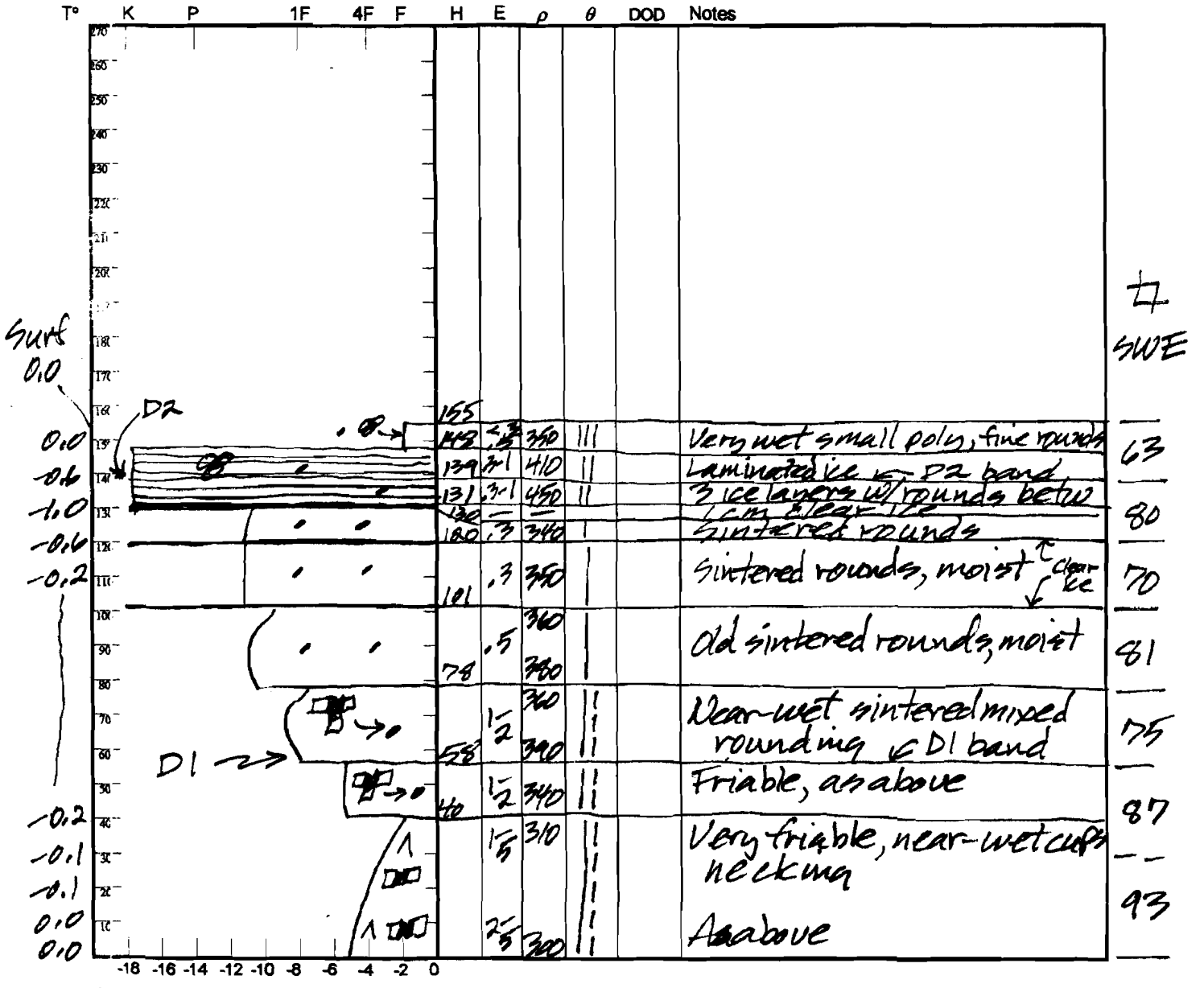
Observers: CL+MG **Center for Snow and Avalanche Studies** Profile # 16

Time: 1230 MST **Snowpack Profile** Date: 3/26/07

Locat on: SASP Elev. 11,050' Aspect: NE Boot Pen: 5 cm ∠: 3°

Air T +11 °C Sky: O Precip: Nil Wind: Nil Prior Pit: # 14; 3/19/07

Total Snowpack SWE: 549 mm H_2O Notes: HST = 1.54 m; $\bar{\rho}$ = 356 kg/m³



Potential Slab						Weak Layer & Bed Surface						
Ref	H_2O_{Nor} ÷ H_{Nor} = ρ_{Avg}	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:

V. 11/20/03

Observers: CL, MB, AT | **Center for Snow and Avalanche Studies** | Profile # 17

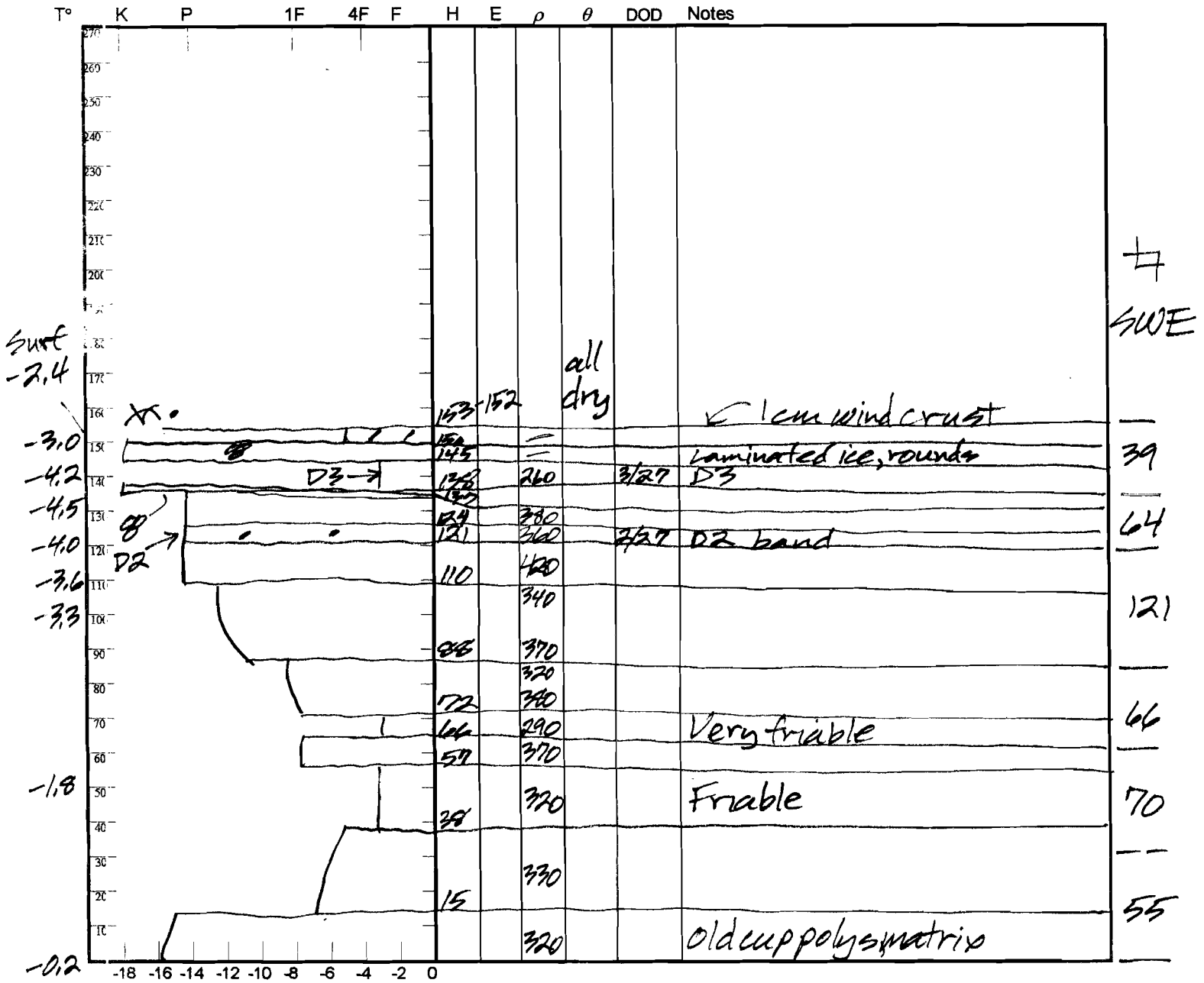
Time: 1035 MST | **Snowpack Profile** | Date: 4/2/07

Locat on: SBSP | Elev. 12,200 | Aspect: NE | Boot Pen: 0-10 cm | ∠: 3°

Air T 0 °C | Sky: CD | Precip: Spindrift+ | Wind: Mod | Prior Pit: # 15; 3/26/07

Total Snowpack SWE: 502 mm H_2O | Notes: HS+ = 1.53; $\bar{\rho}$ = 326 kg/m³

Snow surface heavily eroded; D3 variably exposed in scours



Potential Slab				Weak Layer & Bed Surface						
Ref	H_2O_{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:

V. 11/20/03

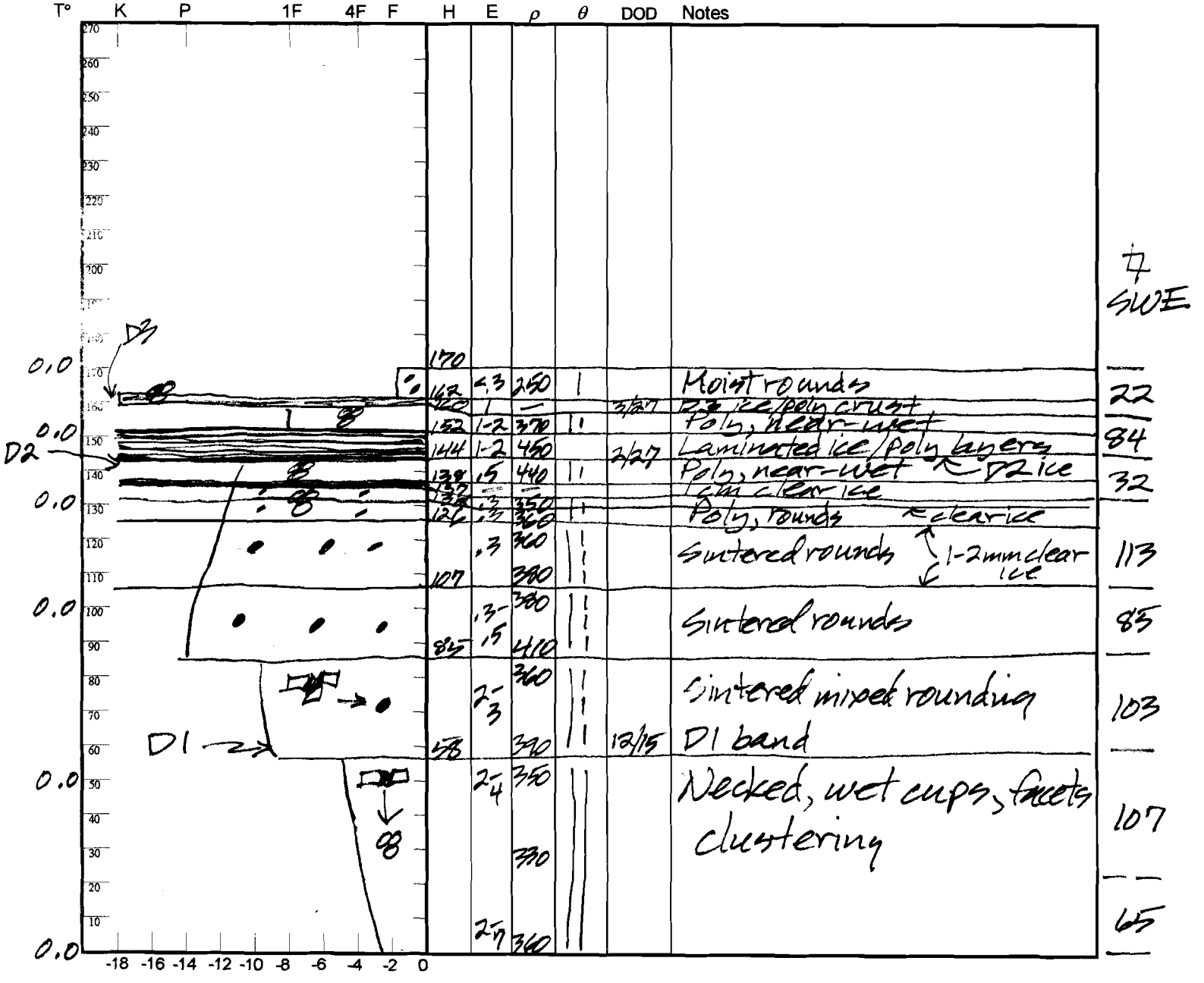
Observers: CL, MB, AT | **Center for Snow and Avalanche Studies** | Profile # 18

Time: 1230 MST | **Snowpack Profile** | Date: 4/2/07

Location: SASP | Elev. 11,050' | Aspect: NE | Boot Pen: 23 cm | ∠: 4°

Air T: +8 °C | Sky: ⓓ | Precip: Nil | Wind: 4+ | Prior Pit: # 16 ; 3/26/07

Total Snowpack SWE: 611 mm H_2O | Notes: HS ⊥ = 1.69 ; $\bar{\rho}$ = 361 kg/m³



Potential Slab				Weak Layer & Bed Surface						
Ref	H_2O_{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:

V. 11/20/03

Observers: CL+MB | **Center for Snow and Avalanche Studies** | Profile # 19

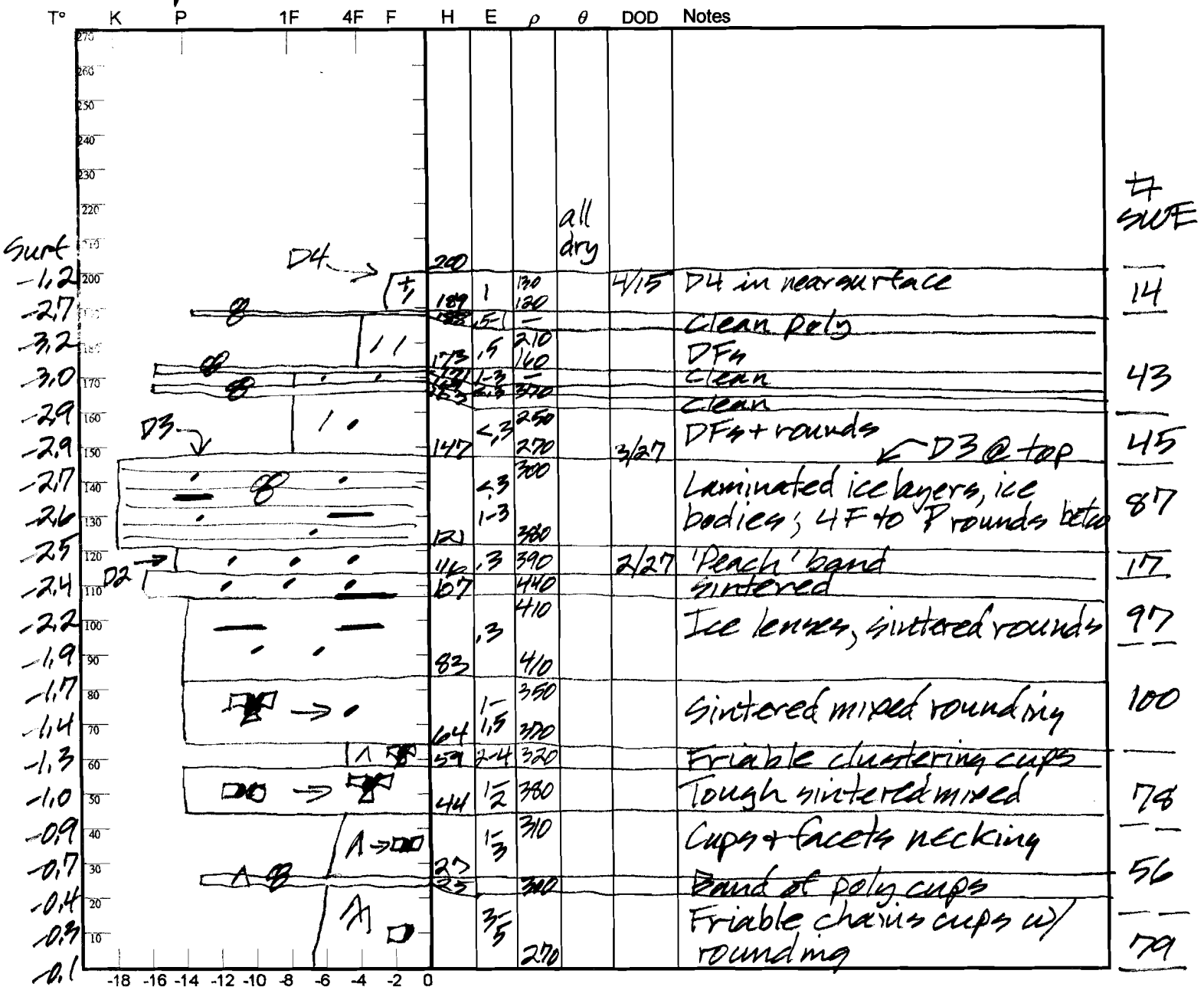
Time: 1020 MST | **Snowpack Profile** | Date: 4/16/07

Location: GBSP | Elev. 12,200' | Aspect: NE | Boot Pen: 10-15 cm | ∠: 3°

Air T: -2 °C | Sky: O | Precip: Nil* | Wind: Mod | Prior Pit: # 17; 4/2/07

Total Snowpack SWE: 4.6 mm H_2O | Notes: HS+ = 1.94; ρ = 318 kg/m³

* mod spindrift into pit



Σ SWE: 14, 43, 45, 87, 17, 97, 100, —, 78, —, 56, —, 79

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

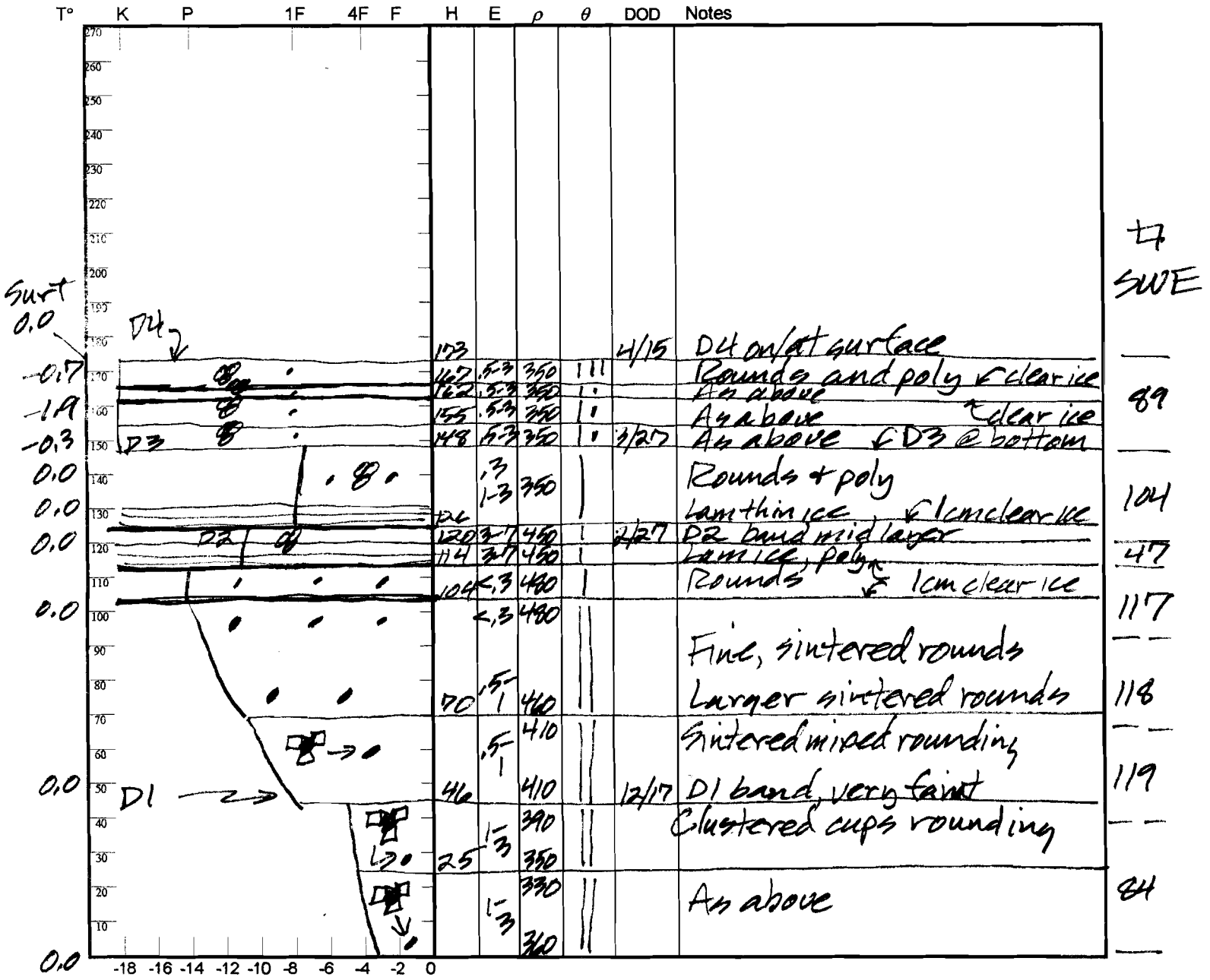
Observers: CL, MB, USFS, et al **Center for Snow and Avalanche Studies** Profile # 20

Time: 0835 MST **Snowpack Profile** Date: 4/18/07

Location: SASP Elev. 11,050' Aspect: NE Boot Pen: <1 cm ∠: 3°

Air T: +4 °C Sky: O Precip: Nil Wind: Mod Prior Pit: # 18 ; 4/2/07

Total Snowpack SWE: 178 mm H_2O Notes: HS = 1.70; $\bar{\rho}$ = 399 kg/m³



Potential Slab						Weak Layer & Bed Surface						
Ref	H_2O_{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:

V. 11/20/03

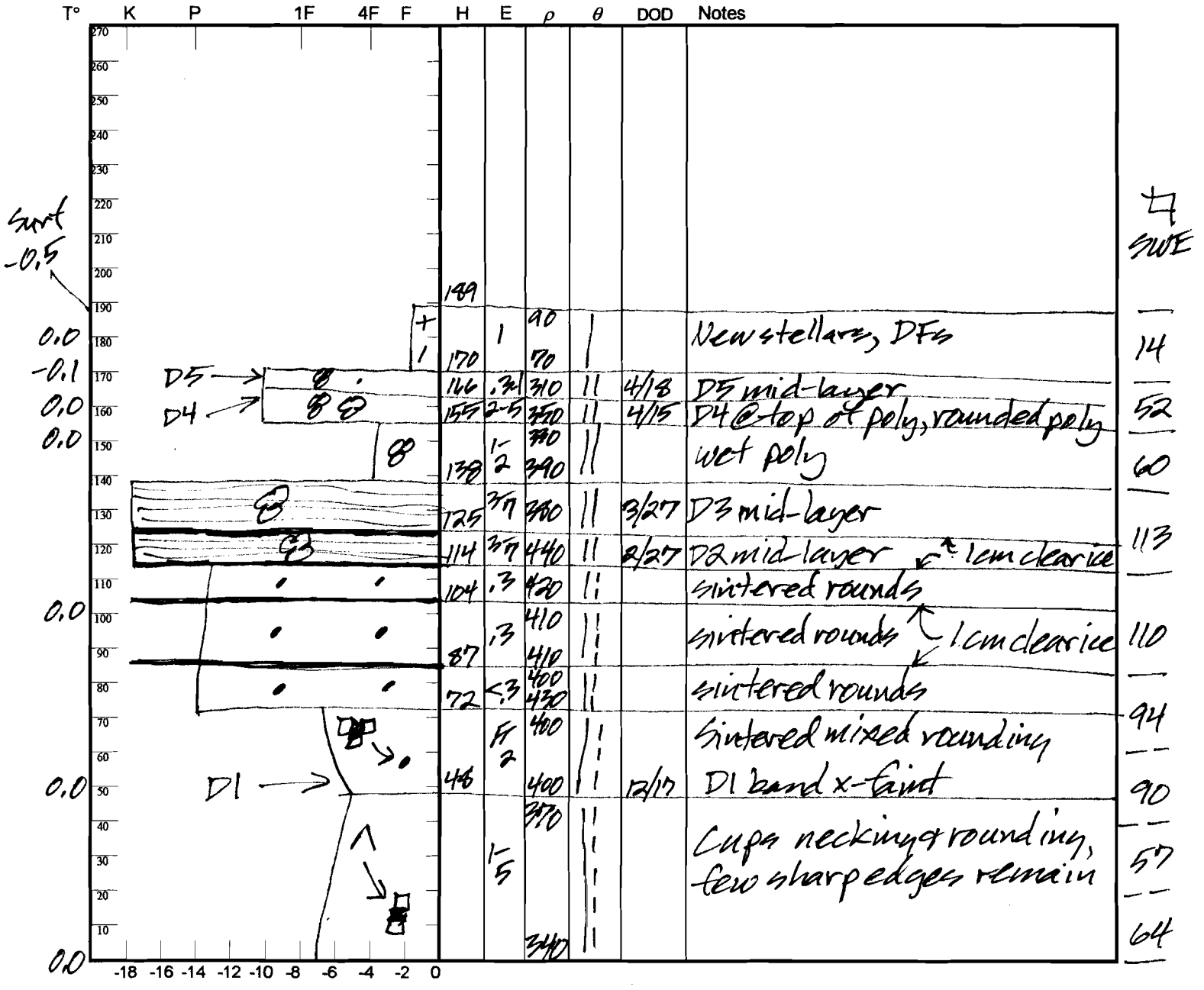
Observers: CL, MB, CB | **Center for Snow and Avalanche Studies** | Profile # 21

Time: 1030 | **Snowpack Profile** | Date: 4/23/07

Location: SASP | Elev. 11,050' | Aspect: NE | Boot Pen: 35 cm | ∠: 3°

Air T: -3 °C | Sky: ⊘ | Precip: SS-4 | Wind: 4/Mod | Prior Pit: #20 ; 4/16/07

Total Snowpack SWE: 654 mm H_2O | Notes: HS4 = 1.87 m; $\bar{\rho}$ = 350 kg/m³



Potential Slab				Weak Layer & Bed Surface						
Ref	H_2O_{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:

V. 11/20/03

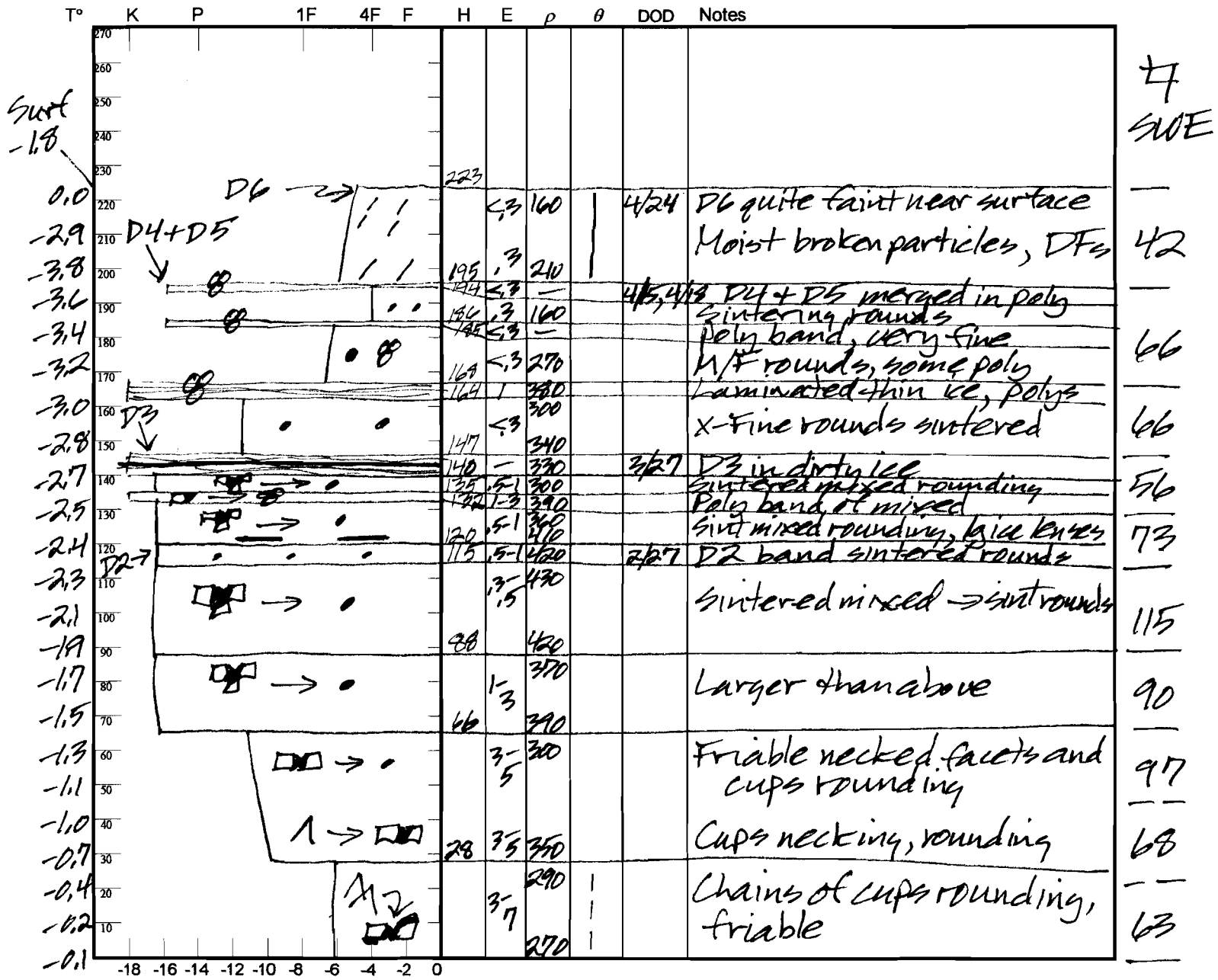
Observers: CL, AT, CC | **Center for Snow and Avalanche Studies** | Profile # 22

Time: 1230 MST | **Snowpack Profile** | Date: 4/25/07

Location: SBSP | Elev. 12200' | Aspect: NE | Boot Pen: 35 cm | ∠: 3°

Air T: +4 °C | Sky: O | Precip: Nil | Wind: Nil | Prior Pit #: 19; 4/16/07

Total Snowpack SWE: 736 mm H_2O | Notes: HST = 2.20 m; ρ = 335 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: MB+CL

Center for Snow and Avalanche Studies

Profile # 23

Time: 0945 MST

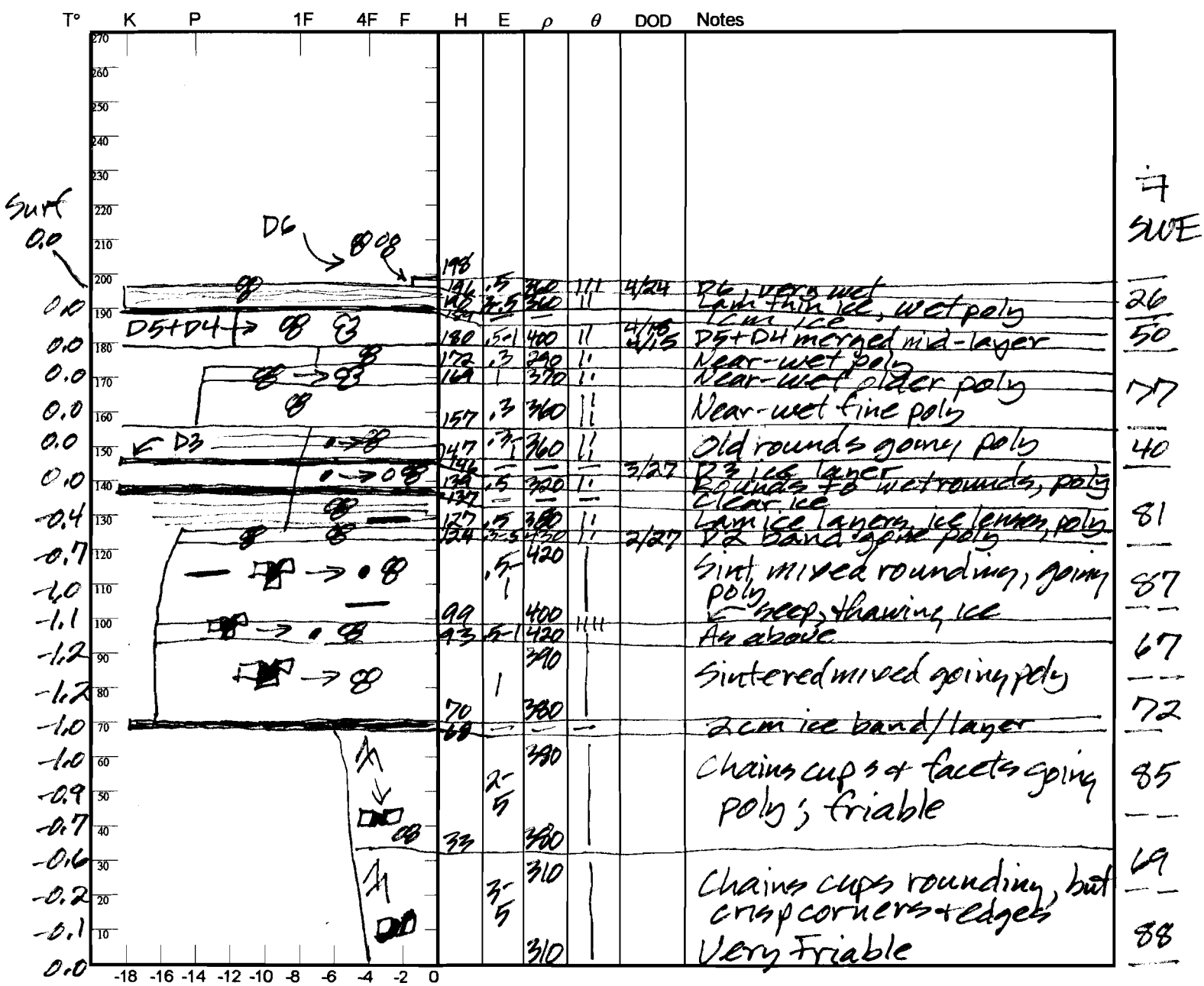
Snowpack Profile

Date: 4/30/07

Location: SBSP Elev. 12,200' Aspect: NE Boot Pen: 12 cm ∠: 3°

Air T: 6 °C Sky: ① Precip: Nil Wind: Nil Prior Pit: # 22; 4/25/07

Total Snowpack SWE: 742 mm H_2O Notes: HS 4 = 1.98; $\bar{\rho}$ = 375 kg/m³



Potential Slab					Weak Layer & Bed Surface						
Ref	$H_2O_{Nor} \div H_{Nor} = \rho_{kg}$	$Sin\angle$ 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:

V. 11/20/03

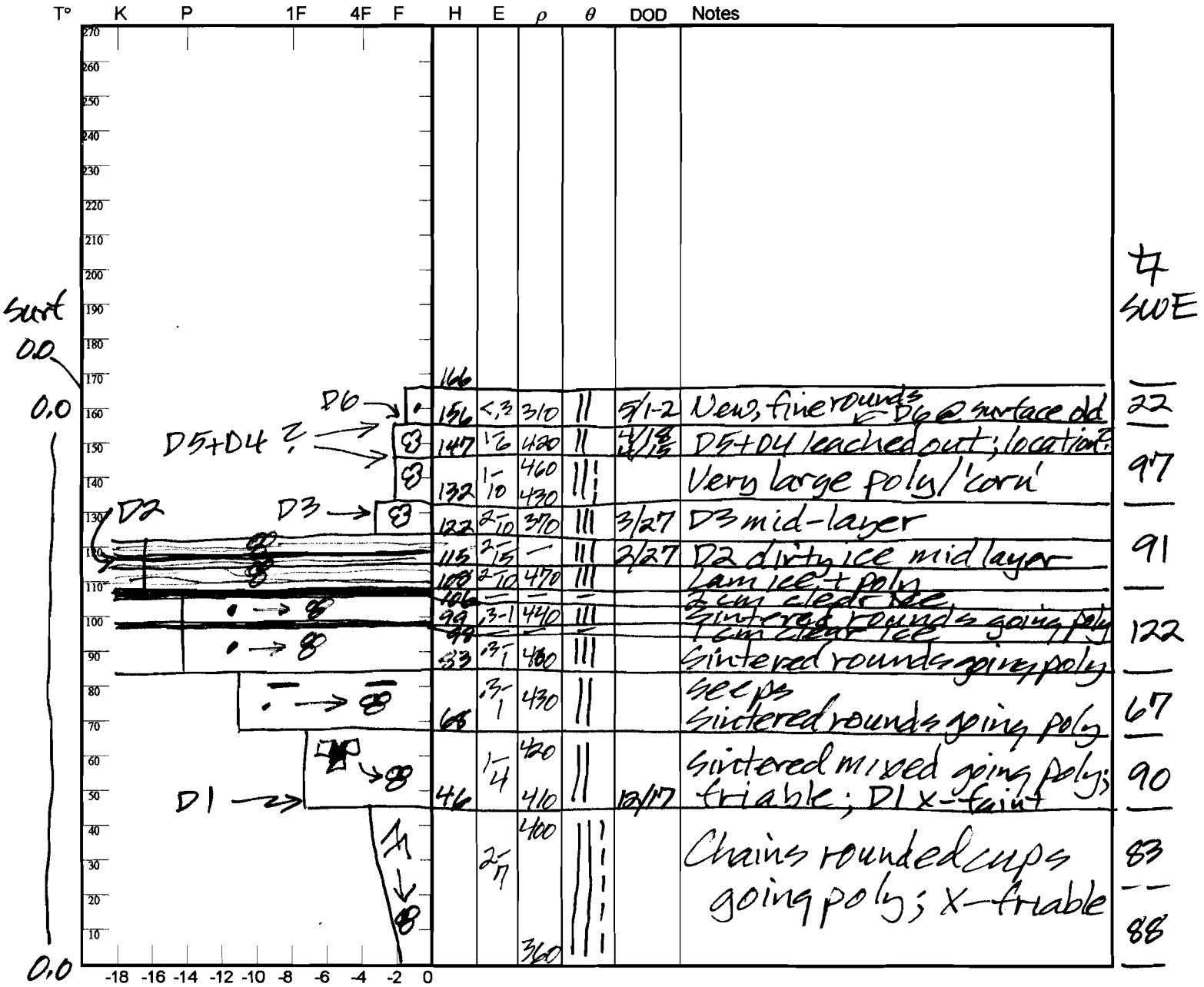
Observers: CL+AT | **Center for Snow and Avalanche Studies** | Profile # 24

Time: 0840 MST | **Snowpack Profile** | Date: 5/2/07

Location: GASP | Elev. 11,050' | Aspect: NE | Boot Pen: 30 cm | ∠: 2°

Air T: +5 °C | Sky: ⊗ | Precip: SI | Wind: Nil | Prior Pit: # 21; 4/23/07

Total Snowpack SWE: 660 mm H_2O | Notes: HS↳ = 1.65 m; $\bar{\rho}$ = 400 kg/m³



Potential Slab								Weak Layer & Bed Surface						
Ref	H_2O_{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:

V. 11/20/03

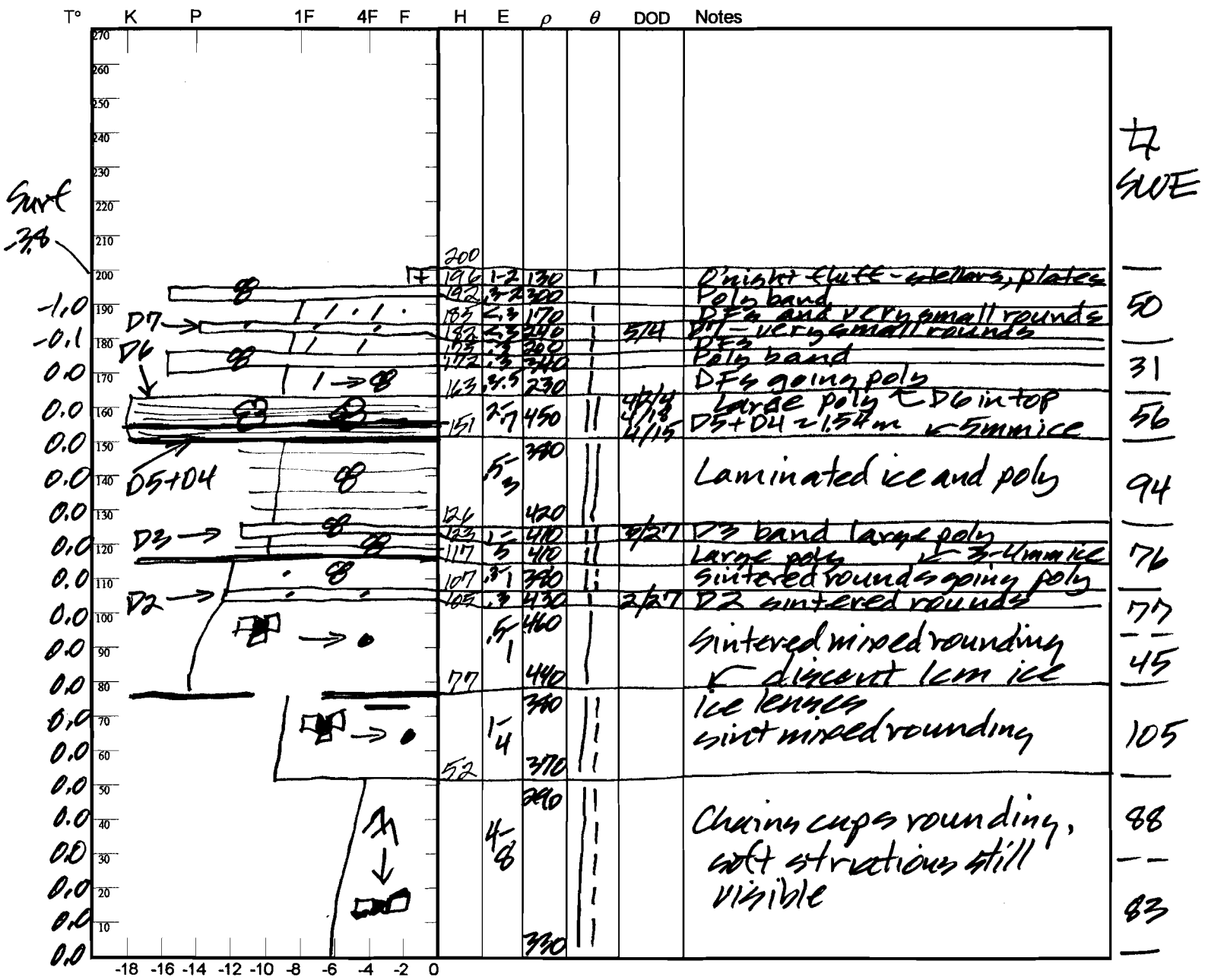
Observers: CL+AT | **Center for Snow and Avalanche Studies** | Profile # 25

Time: 0920 MST | **Snowpack Profile** | Date: 5/7/07

Location: SBSP | Elev. 12,200' | Aspect: NE | Boot Pen: 21 cm | ∠: 4°

Air T: +5 °C | Sky: O | Precip: Nil | Wind: Nil | Prior Pit: #23; 4/30/07

Total Snowpack SWE: 705 mm H_2O | Notes: HS↓ = 2.00 m; ρ = 353 kg/m³



Potential Slab						Weak Layer & Bed Surface						
Ref	H_2O_{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:

V. 11/20/03

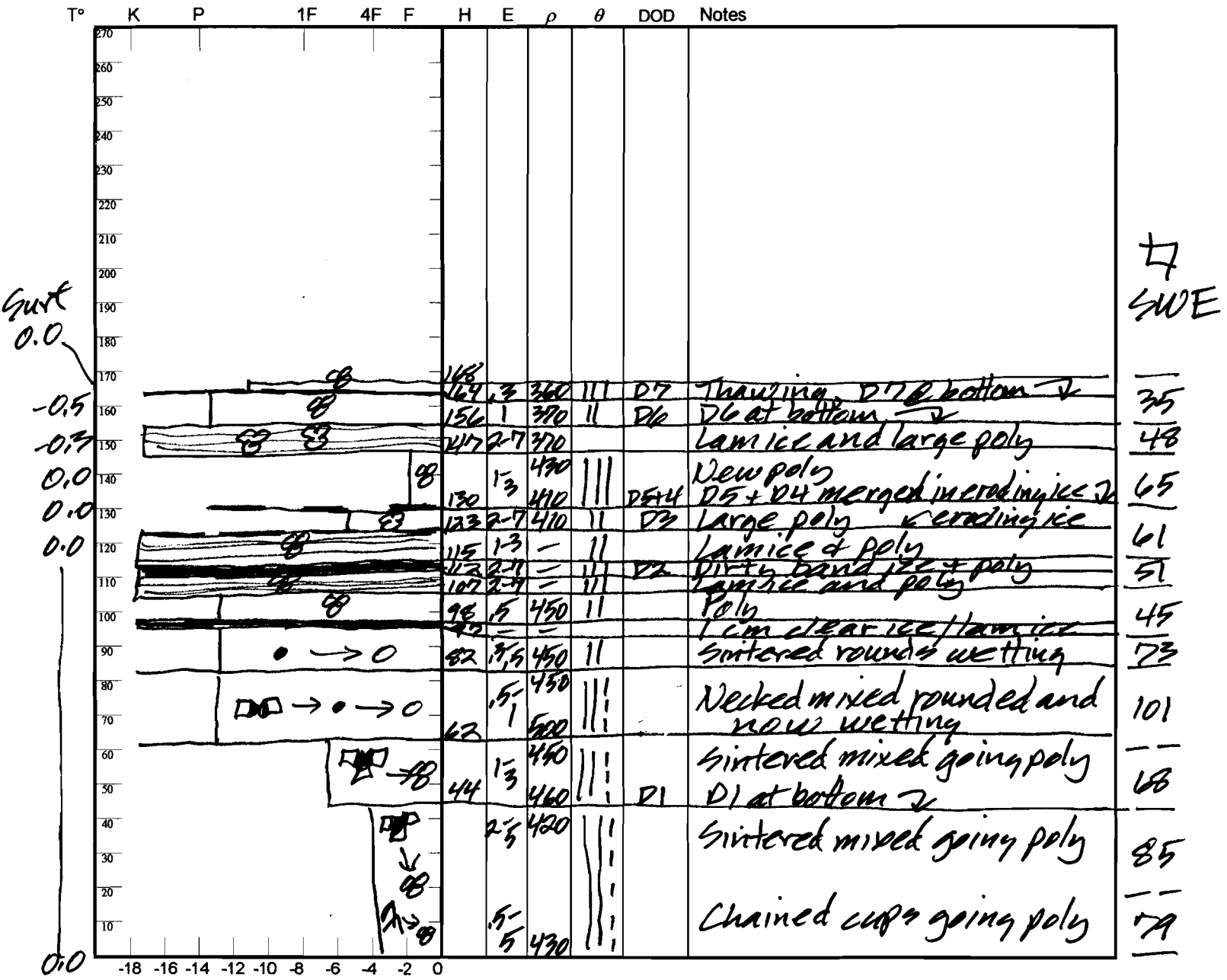
Observers: CL, AT, AM | **Center for Snow and Avalanche Studies** | Profile # 26

Time: 0850 MST | **Snowpack Profile** | Date: 5/9/07

Location: SASP | Elev. 11,050' | Aspect: NE | Boot Pen: 4 cm | ∠: 4°

Air T: +10 °C | Sky: O | Precip: Nil | Wind: Nil | Prior Pit #: 24; 5/2/07

Total Snowpack SWE: 711 mm H_2O | Notes: HS 4 = 1.66 m; $\bar{\rho}$ = 428 kg/m3



Potential Slab						Weak Layer & Bed Surface						
Ref	H_2O_{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:

V. 11/20/03

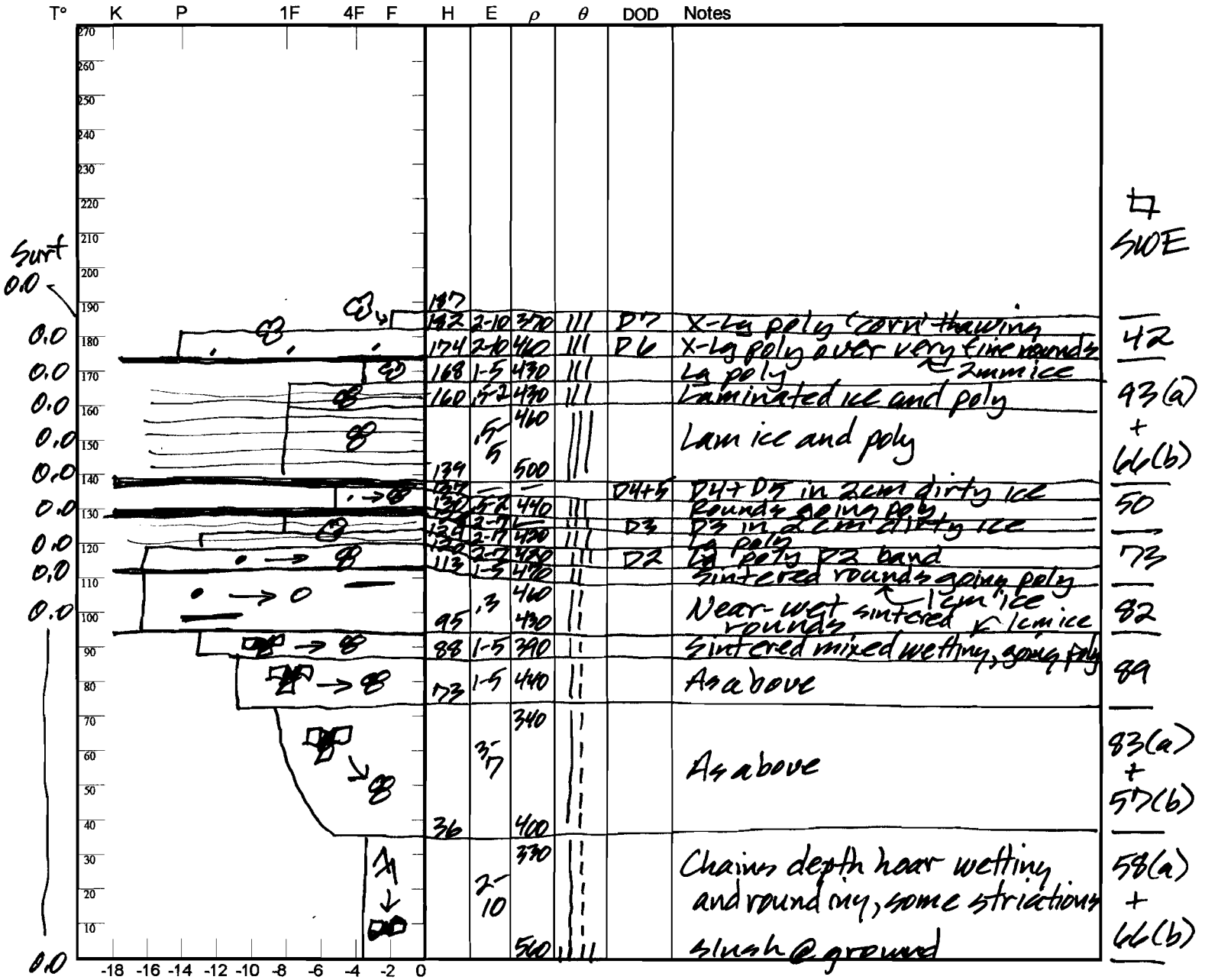
Observers: CL+TP | **Center for Snow and Avalanche Studies** | Profile # 27 (SWE3)

Time: ~0915 MST | **Snowpack Profile** | Date: 5/15/07

Location: SBSP | Elev. 12,200' | Aspect: NE | Boot Pen: 3 cm | ∠: 3°

Air T: +10 °C | Sky: O | Precip: Nil | Wind: Nil | Prior Pit: # 25 ; 5/7/07

Total Snowpack SWE: 759 mm H_2O | Notes: HS↓ = 1.90m ; ρ = 399 kg/m³



Potential Slab						Weak Layer & Bed Surface						
Ref	H_2O_{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:

V. 11/20/03

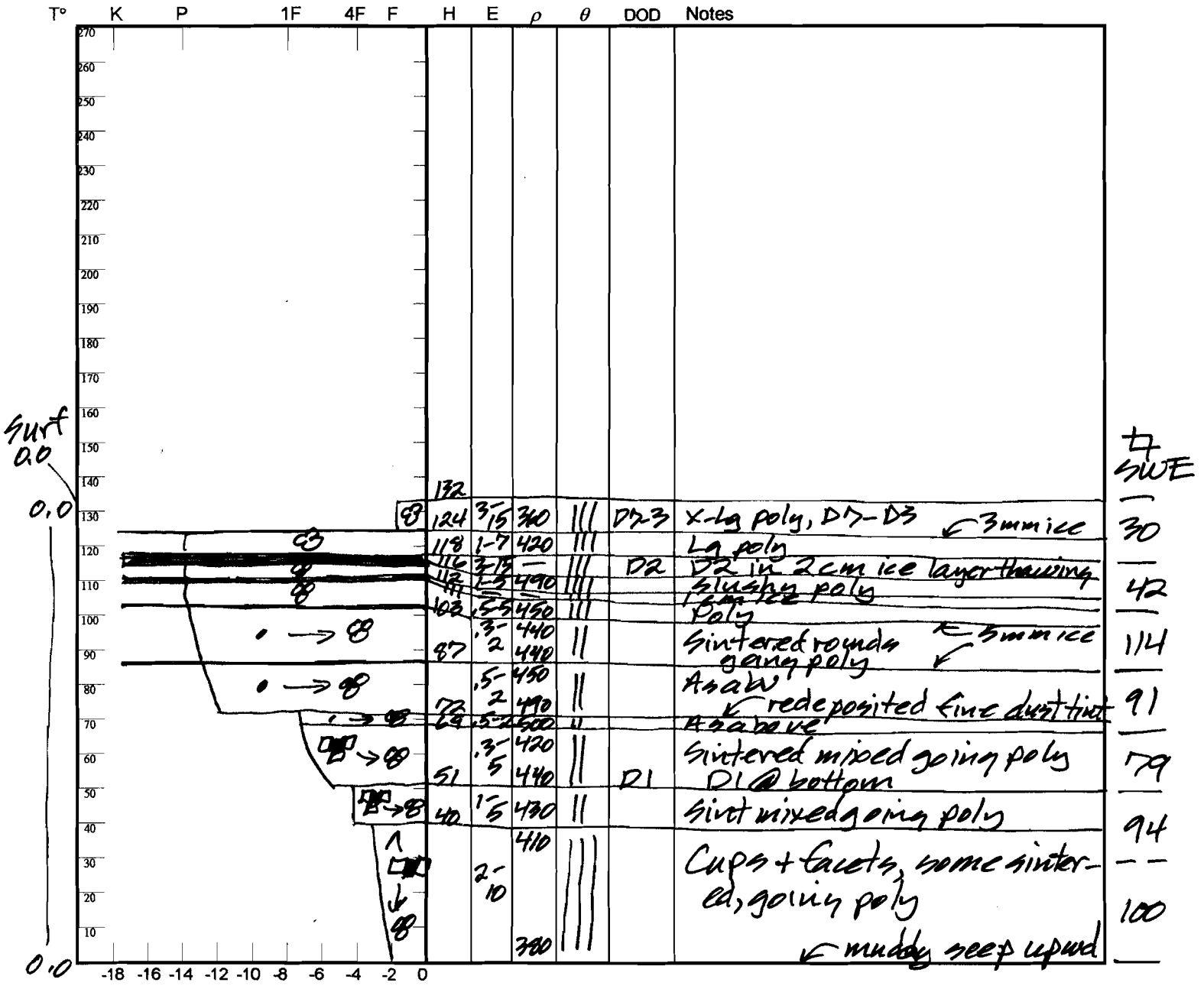
Observers: CL+TP | **Center for Snow and Avalanche Studies** | Profile # 28(SWE7)

Time: 0900 MST | **Snowpack Profile** | Date: 5/16/07

Location: SASP | Elev. 11,050' | Aspect: NE | Boot Pen: 4 cm | ∠: 4°

Air T: +6 °C | Sky: O | Precip: Nil | Wind: Nil | Prior Pit: # 26; 5/9/07

Total Snowpack SWE: 550 mm H_2O | Notes: HS ⊥ = 1.26m; $\bar{\rho}$ = 436 kg/m³



Potential Slab						Weak Layer & Bed Surface						
Ref	H_2O_{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:

V. 11/20/03

Observers: CL + AT | **Center for Snow and Avalanche Studies** | Profile # 29

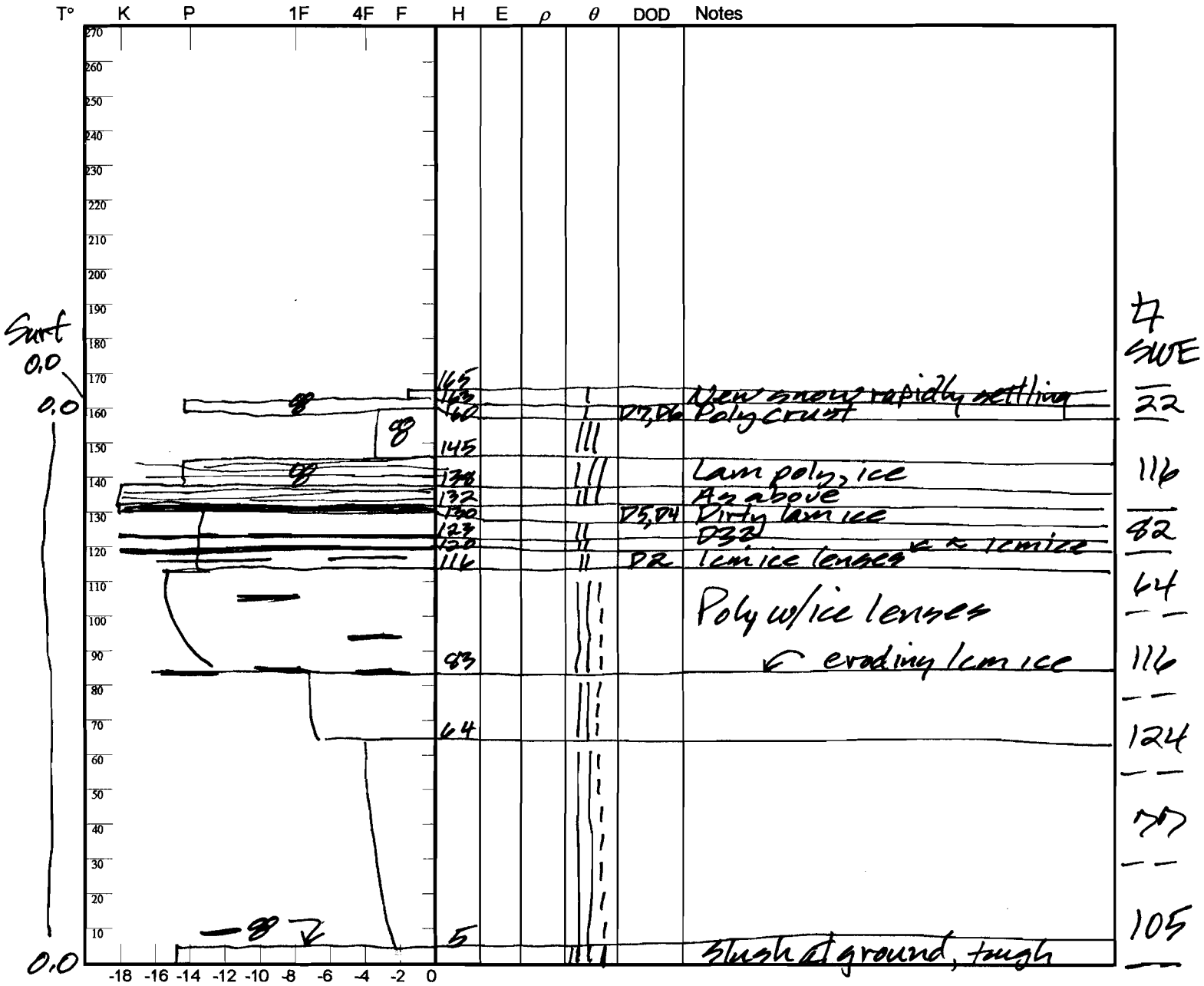
Time: 0855 MST | **Snowpack Profile** | Date: 5/21/07

Location: SBSP | Elev. 12,200' | Aspect: NE | Boot Pen: 30 cm | ∠: 3°

Air T: +4 °C | Sky: OV | Precip: S1-2 | Wind: L+ | Prior Pit: # 27; 5/15/07

Total Snowpack SWE: 706 mm H_2O | Notes: HS+ = 1.63 m. $\bar{\rho}$ = 433 kg/m³

Obs cut short by intense convective showers.



Potential Slab						Weak Layer & Bed Surface						
Ref	H_2O_{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:

V. 11/20/03

Observers: CL+AT

Center for Snow and Avalanche Studies

Profile # 30

Time: 0830 MST

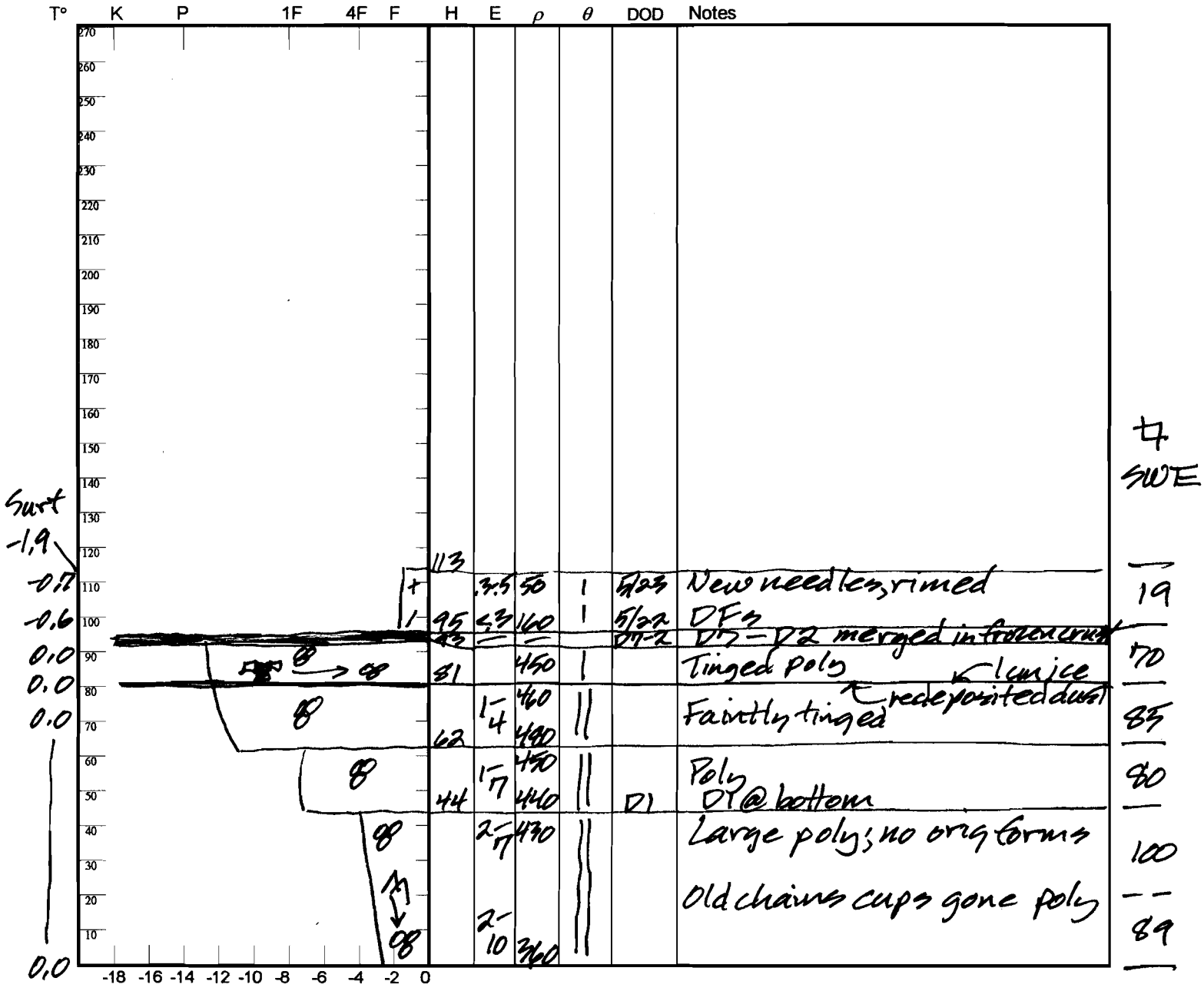
Snowpack Profile

Date: 5/23/07

Location: SASP Elev. 11,050' Aspect: NE Boot Pen: 15 cm ∠: 4°

Air T: -1 °C Sky: OC Precip: SI Wind: Nil Prior Pit: #28; 5/16/07

Total Snowpack SWE: 443 mm H_2O Notes: $\bar{\rho}$ = 385 kg/m²; HS↳ = 1.15 m



Potential Slab						Weak Layer & Bed Surface						
Ref	H_2O_{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:

V. 11/20/03

Observers: CL+SS

Center for Snow and Avalanche Studies

Profile # 31

Time: 1025

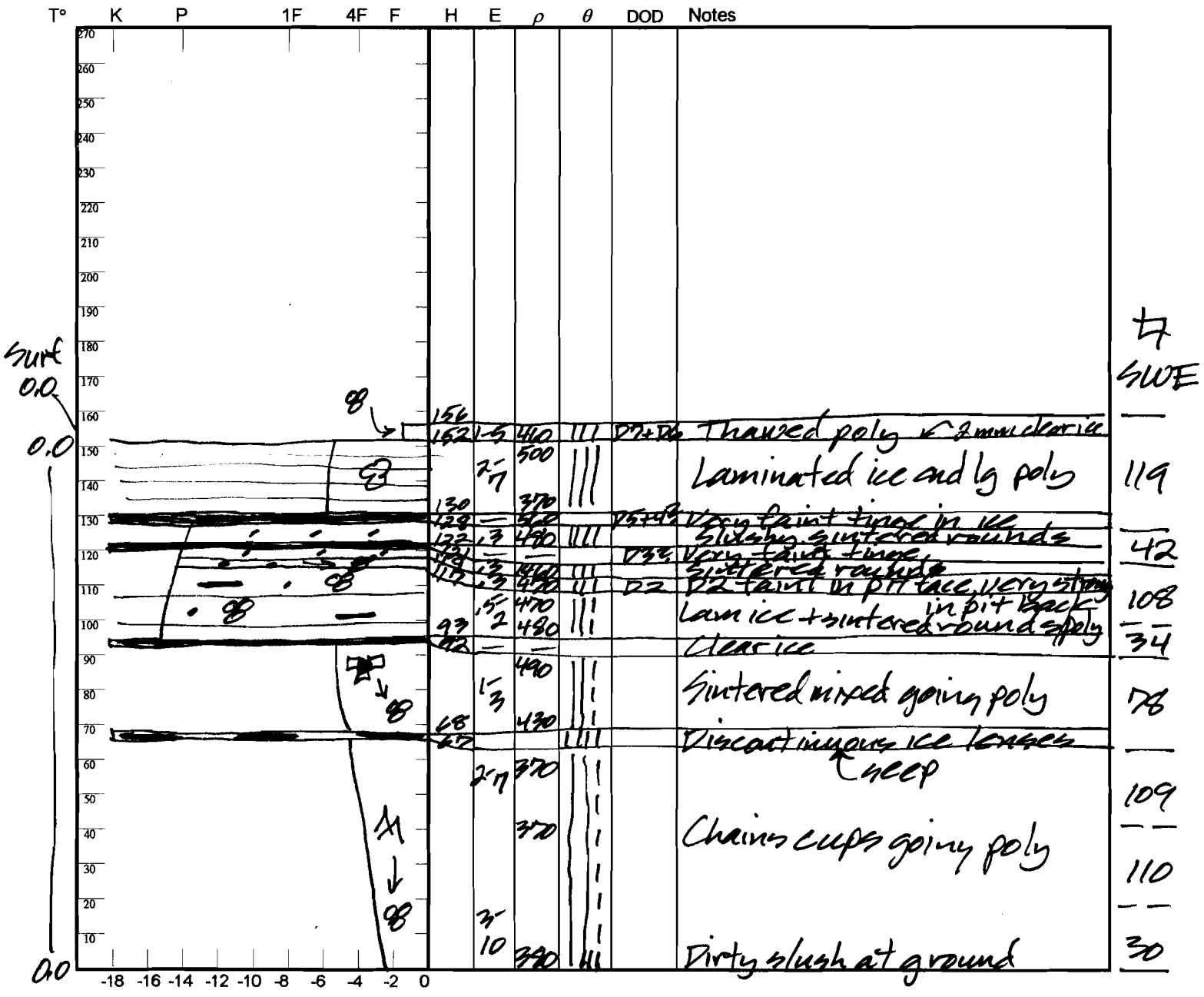
Snowpack Profile

Date: 5/29/07

Location: SBSP Elev. 12,200' Aspect: NE Boot Pen: 7 cm ∠: 4°

Air T: +5 °C Sky: O Precip: Nil Wind: Mod Prior Pit: # 29; 5/22/07

Total Snowpack SWE: 630 mm H_2O Notes: HS↓ = 1.53; $\bar{\rho}$ = 412 kg/m³



Potential Slab					Weak Layer & Bed Surface						
Ref	H_2O_{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:

V. 11/20/03

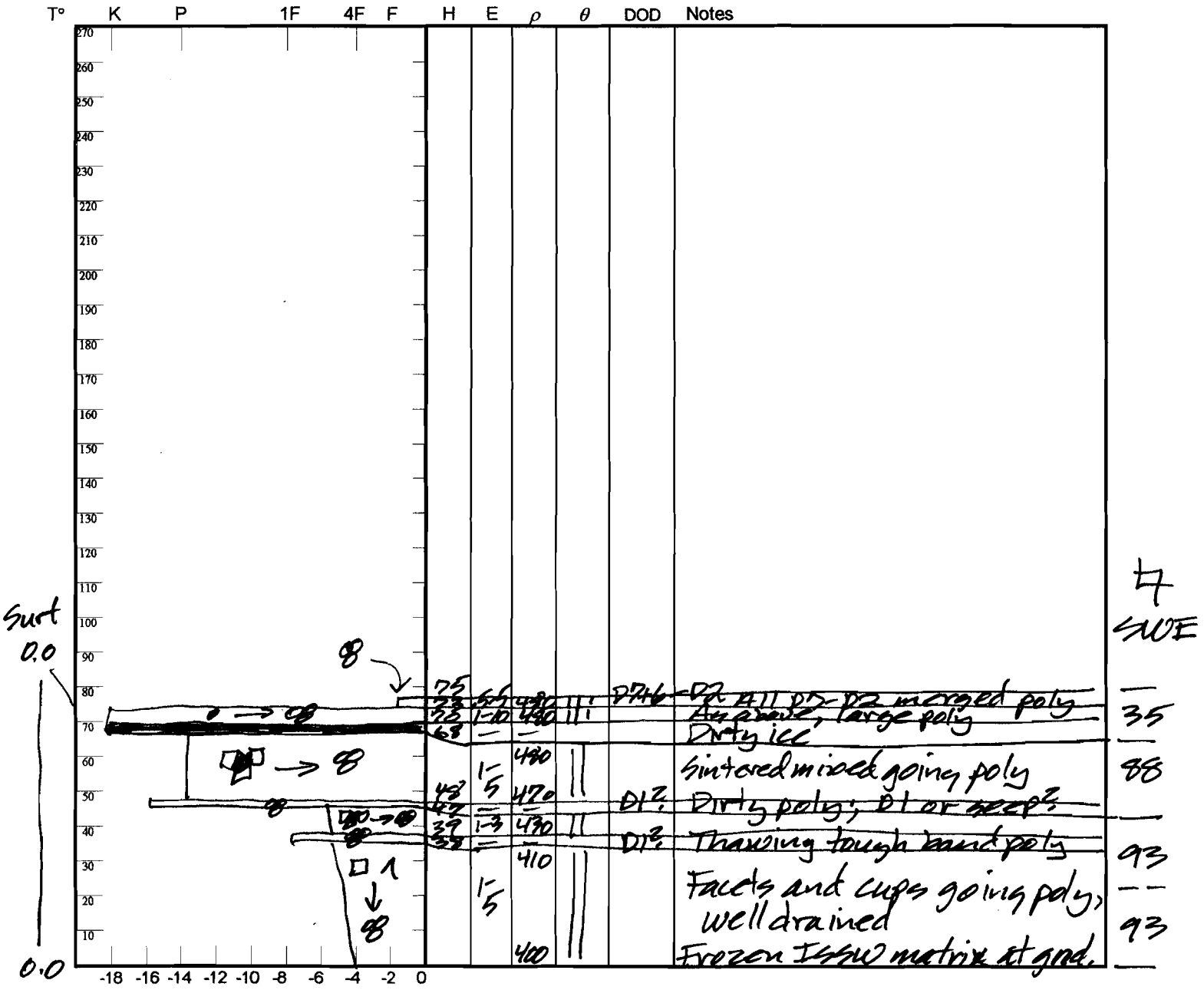
Observers: CL, SS, AM | **Center for Snow and Avalanche Studies** | Profile # 32

Time: 0900 | **Snowpack Profile** | Date: 5/30/07

Location: SASP | Elev. 11,050' | Aspect: NE | Boot Pen: 1-2 cm | ∠: 4°

Air T: +6 °C | Sky: O | Precip: Nil | Wind: Nil-Lt | Prior Pit: # 30; 5/23/07

Total Snowpack SWE: 309 mm H_2O | Notes: HS ↳ = 0.73 m; $\bar{\rho}$ = 423 kg/m³



Potential Slab						Weak Layer & Bed Surface						
Ref	H_2O_{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:

V. 11/20/03

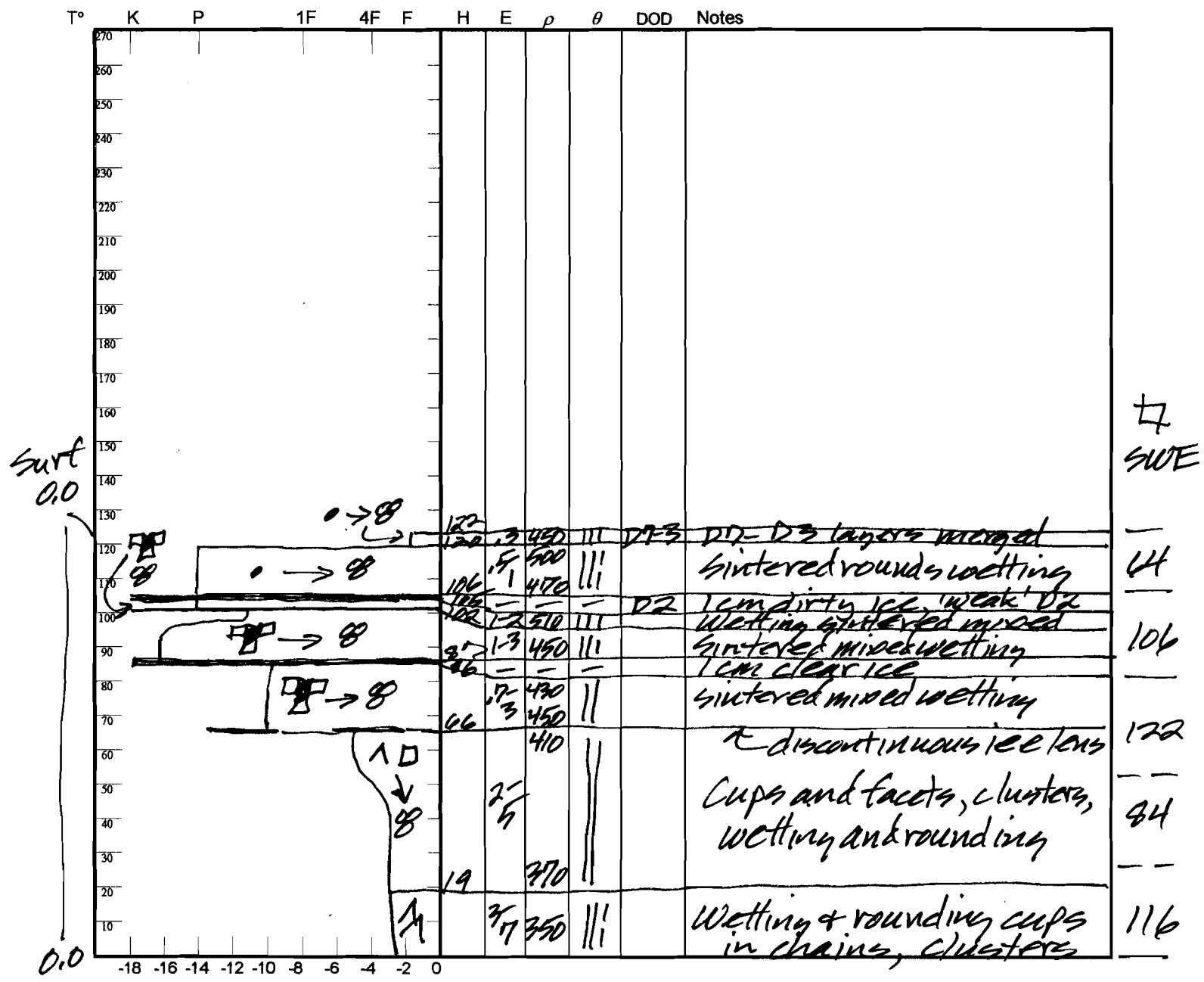
Observers: CL+AT | **Center for Snow and Avalanche Studies** | Profile # 33

Time: 0920 MST | **Snowpack Profile** | Date: 6/5/07

Location: SBSP | Elev. 12,200' | Aspect: NE | Boot Pen: 6 cm | ∠: 3°

Air T: +10 °C | Sky: O | Precip: Nil | Wind: Mod | Prior Pit: # 31; 5/29/07

Total Snowpack SWE: 492 mm H_2O | Notes: HS ⊥ = 1.24 m; $\bar{\rho}$ = 397 kg/m³



Potential Slab						Weak Layer & Bed Surface						
Ref	H_2O_{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:

V. 11/20/03

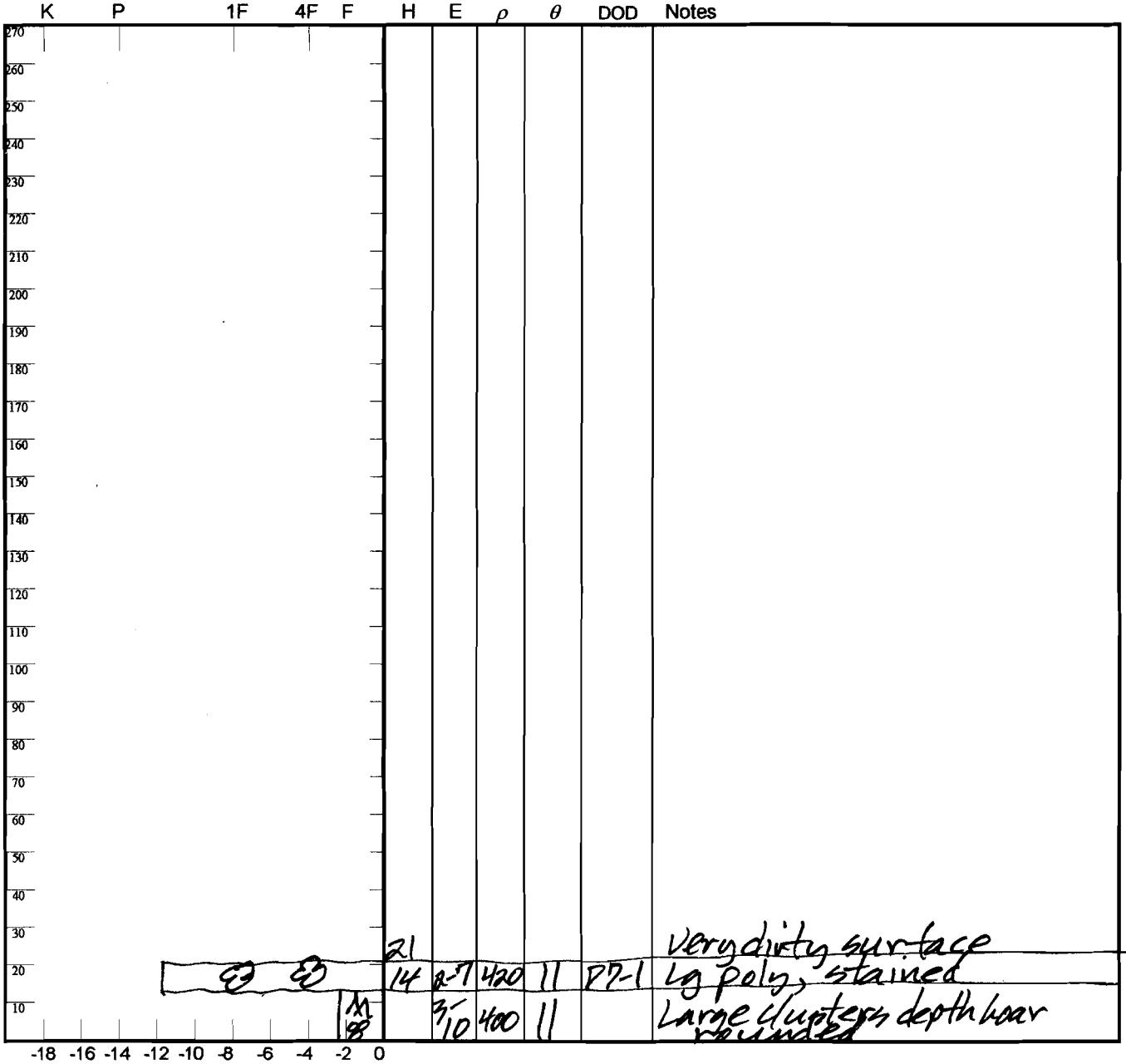
Observers: CL+AT | **Center for Snow and Avalanche Studies** | Profile # 34

Time: 0815 | **Snowpack Profile** | Date: 6/6/07

Location: SASP | Elev. 11,050' | Aspect: NE | Boot Pen: 8 cm | ∠: 3°

Air T: +5 °C | Sky: ⊘ | Precip: Nil | Wind: Stny | Prior Pit: # 32; 5/30/07

Total Snowpack SWE: 84 mm H_2O | Notes: HS# = 0.21 m; $\bar{\rho}$ = 400 kg/m³; 50% of plot (including under mast sensors) bare ground.



Potential Slab						Weak Layer & Bed Surface						
Ref	H_2O_{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:

V. 11/20/03

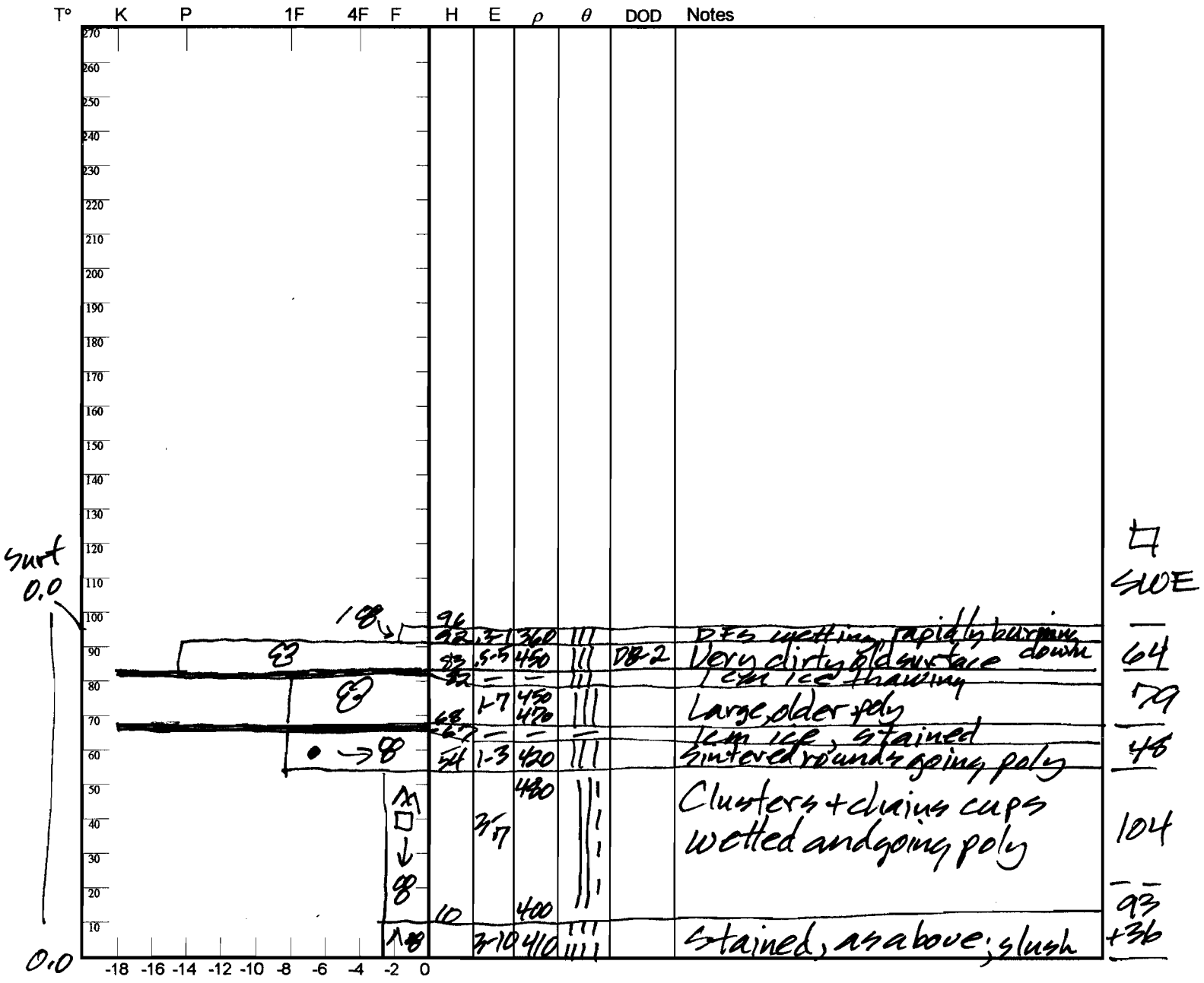
Observers: CL+TP | **Center for Snow and Avalanche Studies** | Profile # 35

Time: 0940 | **Snowpack Profile** | Date: 6/13/07

Location: SBSP | Elev. 12,200' | Aspect: NE | Boot Pen: 5-16 cm | ∠: 2 °

Air T: +6 °C | Sky: O | Precip: Nil | Wind: Lt | Prior Pit: # 33; 6/5/07

Total Snowpack SWE: 424 mm H_2O | Notes: HS ↳ = 0.96; $\bar{\rho}$ = 442 kg/m³



Potential Slab						Weak Layer & Bed Surface						
Ref	H_2O_{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:

V. 11/20/03

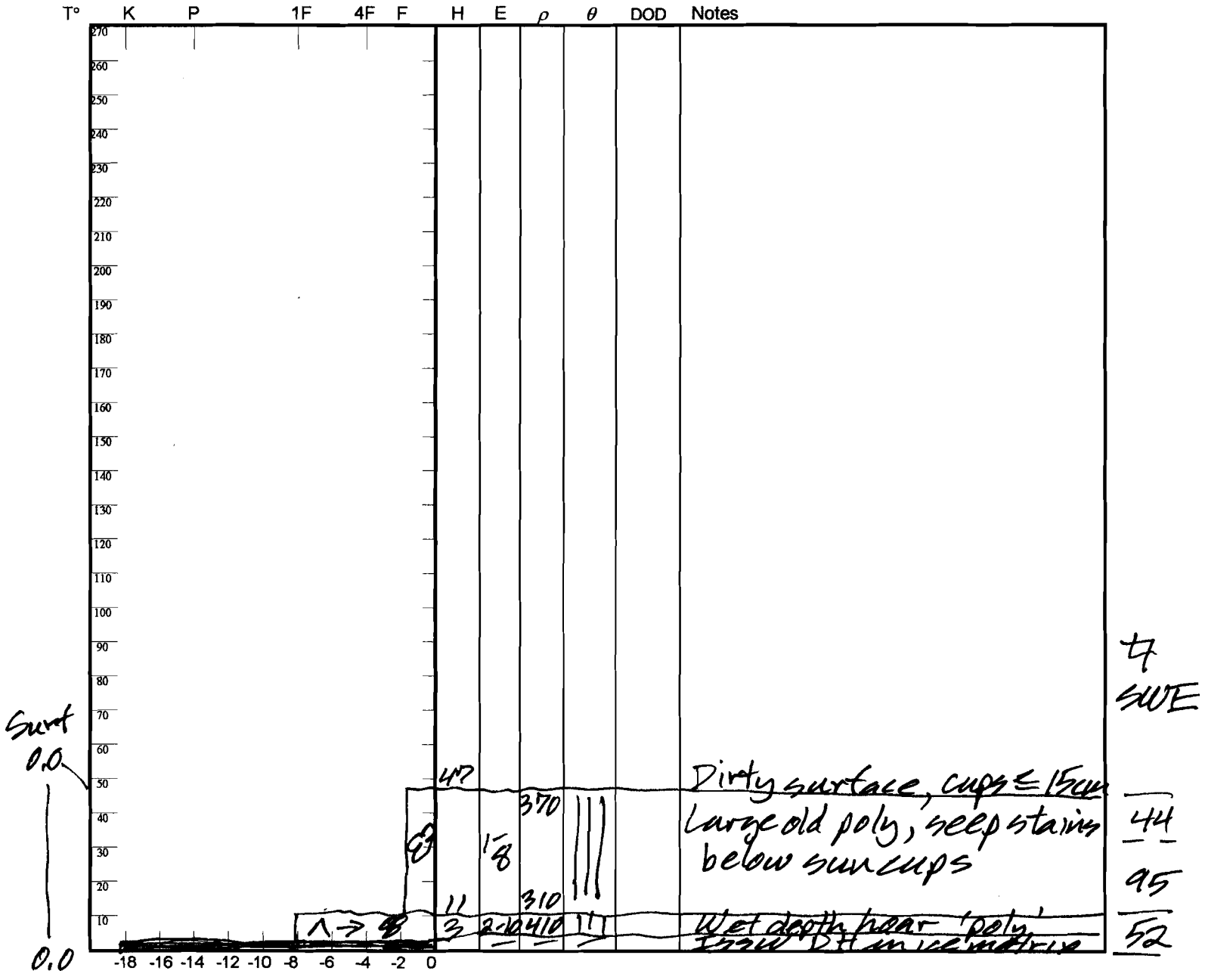
Observers: CL+CL+AM | **Center for Snow and Avalanche Studies** | Profile # 36

Time: 1015 | **Snowpack Profile** | Date: 6/19/07

Location: SBSP | Elev. 12,200' | Aspect: NE | Boot Pen: 40 cm | ∠: 3°

Air T: +11 °C | Sky: O | Precip: Nil | Wind: Nil | Prior Pit: # 35; 6/13/07

Total Snowpack SWE: 191 mm H_2O | Notes: HS+ = 0.50 m; $\bar{\rho}$ = 382 kg/m³



Potential Slab						Weak Layer & Bed Surface						
Ref	H_2O_{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:

V. 11/20/03