

Observers: AT

CODOS Snowpack Profile

Date: 4 / 18 / 23

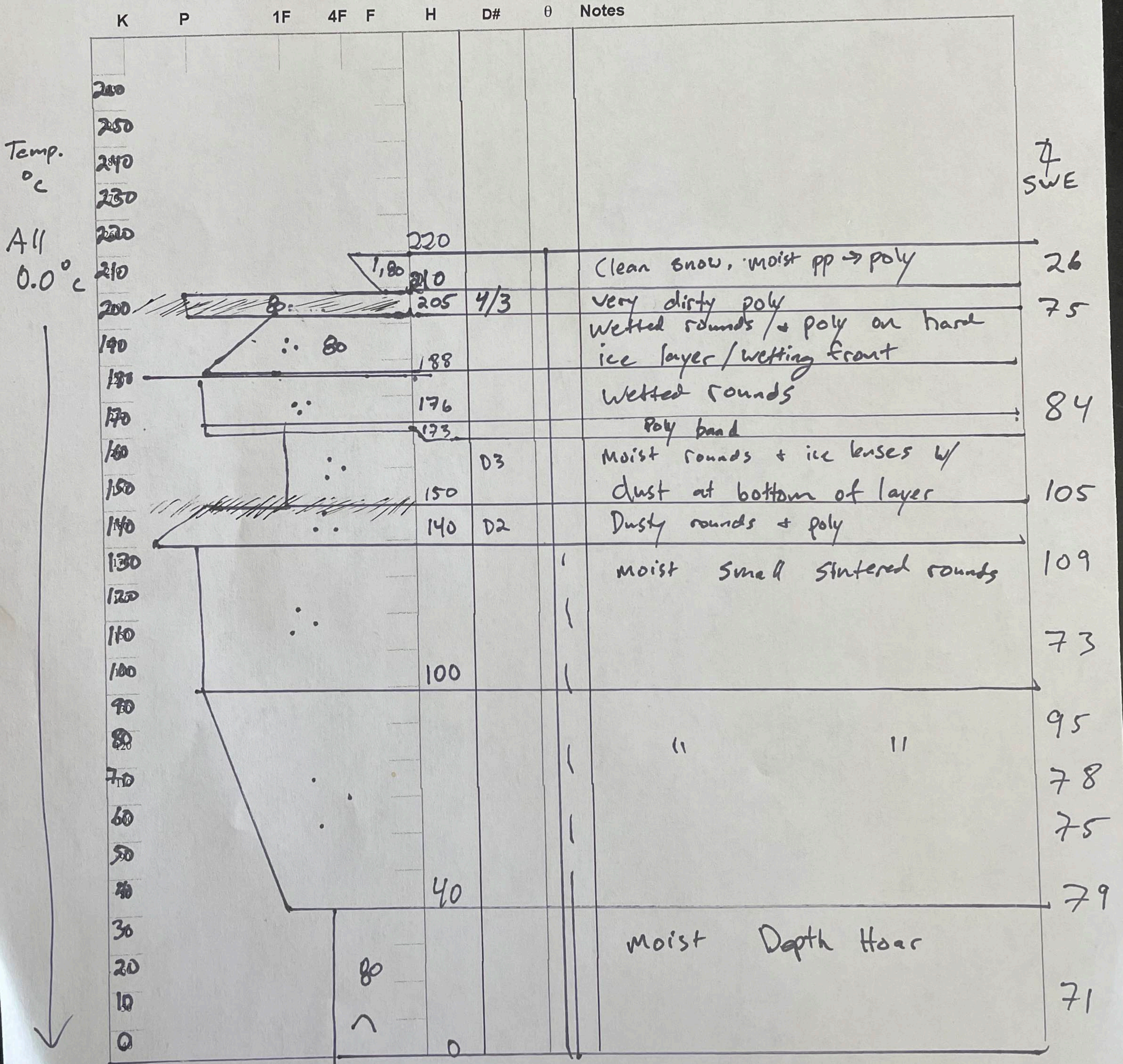
Location: GMSP

Elev. 10,600 Aspect: E Boot Pen: 1 cm \angle : 2° Time: 1200 MDT

Prior Obs: 1 / 1 Air T: -2°C Sky: ⊙ Precip: NO Wind: MOD Notes: Clean snow

at surface capping a strong dust layer 10cm down.
This site has strongest dust of all southern sites.

HS & T = 2.17 M SWE = 870 mm H₂O mean density = 400 kg/m³



Observers: AT

CODOS Snowpack Profile

Date: 4 / 18 / 23

Location: McClure Pass Elev. 8700' Aspect: S Boot Pen: 3 cm \angle : 3° Time: 3:40 MDT

Prior Obs: / / / Air T: 2 °C Sky: ⊕ Precip: S-1 Wind: MOD Notes: Dust emerged

at surface, less severe than GMSP.

HS & η = 1.52 M SWE = 636 mm H₂O mem density = 418 kg/m³

K P 1F 4F F H D# θ Notes

260								
250								
240								
230								
220								
210								
200								
190								
180								
170								
160								
150					150			
140					135	4/3/23	Banded dust @ surface, Dirty poly, Coalesced & leached	77
130							melt forms	
120								
110					110			93
100								
90					95		Moist poly on ice layer/ wetting front	98
80							Wet rounds & melt forms	
70					70			76
60								
50							" "	86
40								
30					30			76
20								
10							" "	130
0					0			

Temp. °C
All 0.0 °C

η
SWE

Observers: AT

CODOS Snowpack Profile

Date: 4/18/23

Location: Park Cone Elev. 9600' Aspect: N Boot Pen: 5 cm \angle : 6° Time: 7:15 PM MDT

Prior Obs: / / Air T: 1 °C Sky: ⊕ Precip: NO Wind: MOD Notes:

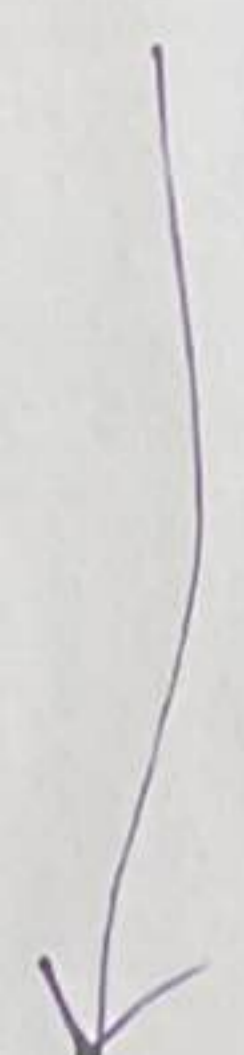
Limited Obs due to time constraints. Moderate dust at surface.

K P 1F 4F F H D# θ Notes

300									
290									
280									
270									
260									
250									
240									
230									
220									
210									
200									
150									
140									
130									
120									
110									
100									
90						102	D4/3		
80						86			Dusty surface, Moderate intensity Bands of poly + ice
70									
60									
50						80			Wet + cohesionless
40						∴			Melt forms
30						∴			
20						20			
10						∞			
0						∞			Wet DH

7
SWE
Not
Observed

Temp
°C.
All
0.0°C



Observers: AT

CODOS Snowpack Profile

Date: 4/19/23

Location: Spring Creek Pass Elev. 10,800' Aspect: NE Boot Pen: 3 cm \angle : 5° Time: 9:45 MDT

Prior Obs: 1 Air T: -3 °C Sky: ⊕ Precip: S-1 Wind: MOD Notes: Some dust

@ surface. Extensive surface roughness observed where clean and dirty snow remain together.

HS $\frac{7}{7} = 0.72$ m SWE = 224 mean density = 311 kg/m³

	K	P	1F	4F	F	H	D#	θ	Notes	7 SWE
280										
260										
240										
230										
200										
240										
200										
1240										
1280										
1200										
160										
1800										
140										
130										
120										
110										
100										
Temp. °C	90									
	80									
-0.5	70					76	D 4/3		rough	
-0.6	60					60			Mod. Dusty Poly + clean P/P	55
0.0	50					49			Sm. rounds	59
	40									
	30					30			Wet rounds + wetting front	48
	20					27				
	10					50			Wet DH + mixed	
	0					0				62

Observers: AT

CODOS Snowpack Profile

Date: 4/19/23

Location: Wolf Creek Pass Elev. 10,951' Aspect: E Boot Pen: 2 cm \angle : 4° Time: 1250 MDT

Prior Obs: / / / Air T: -2 °C Sky: ☉ Precip: NO Wind: ~~High~~ Notes: Very Windy

& Hazy. Dust exposed @ surface. Due to time constraints & very tough digging, only top 1M of SPX observed.

Temp
°C
0.0
↓
-0.3
-0.5
-0.6
-0.7

K	P	1F	4F	F	H	D#	θ	Notes
300								
290								
280								
270					267	D4/3		
260					260			Dusty Poly @ Surface
250					245			frozen banded poly
240					240			wet poly
230					235			" "
220					220			Small sintered rounds
210					218			Poly band
200					195	D3	1	sintered rounds w/ light dust band @ bottom of layer
190					185		1	sintered rounds w/ ice lens @ bottom
180							1	Sintered rounds
170					165			
160								
150								
140								
130								
120								
110								
100								
90								
80								
70								
60								
50								
40								

4
SWE
every
10 cm
38
45
45
38
38
37
34

Not
Observed