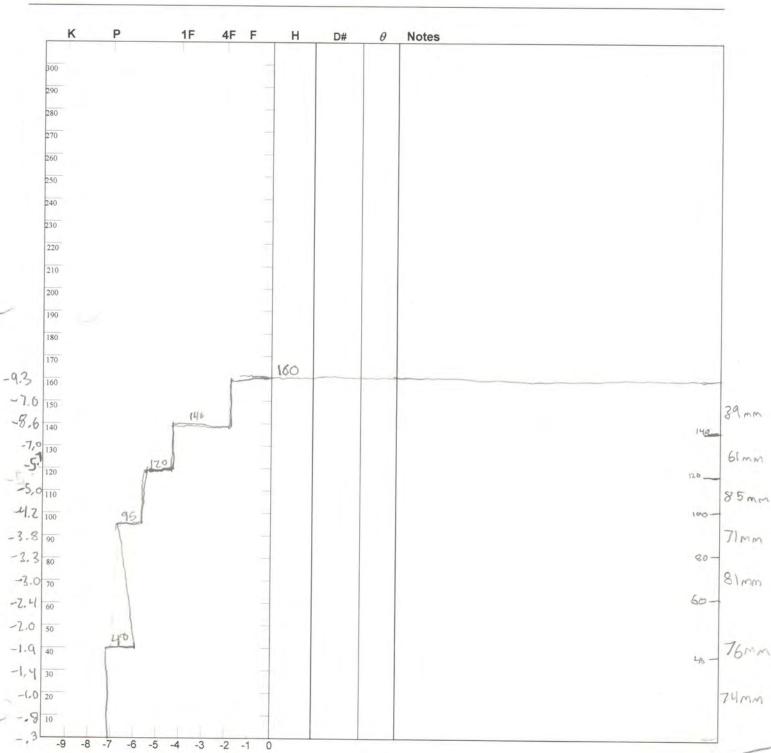
		112010			n ρ: 268 kg/m³ Notes:	
T° K P	1F 4F	F H E	ρθ	DOD	Notes	_
260						
250 -		1	1 16			
230						
220						
210		+				
200						
190						
170		-				
160		-				
150						
140		125				
120					ľ	
110		4			decomposing, mixed randing	
100		8 90				
7 80		8 - 75 15			BALLETS -> runding	_
70	(a)	- 1		-	Small rounds some sintering	
60		31			mixed going to sintuced	
3-50		45			ronds	
30	81	15	-		Rounding depth horr	
20	7	15 1			•	
10 8	3 m>				ć / / /	
-18 -16 -14	-12 -10 -8 -6 -4	-2 0			Freeze than poly	
Notes:						14

Observers: JD, RD Profile # Center for Snow and Avalanche Studies Time: 12:30 MST Date: 02/11/2020 Snowpack Profile Elev. 11,600ft. Aspect: SE Boot Pen: 37 cm \(\alpha\): \(\alp\): \(\alpha\): \(\alpha\): \(\alpha\): \(\alpha\): \(\alpha\): \ Location: SASP Sky: ③ Prior Pit: # 1 : 1 /14 / 2020 Air T: -4.2 °C Precip: NIL Wind: calm Total Snowpack SWE: 482 mm H₂O HS Norm: 1.75 m Mean p: 275 kg/m³ Notes: Possible DI AT 1,2 m H E ρ θ DOD Notes 260 250 240 230 220 210 200 (min) 190 SWE Stellars (2-3 mm diam.) -3.0 --0.6 170 27 -5,5 160 -7.0 150 small rounds (1-2mm diam.) 145 -6.7 140 40 -6.4 T30 mixed forms (old surface?) facets - rounds No visible DUST (~Imm Scale) D1? 120 -6.1 120 -5.6 110 52 old snow surface? (pineneedle) -5.1 100 95 -4.7190 73 sintering faceted rounds (~2mm) De -4.3 80 -3.8 70 -3,3 60 87 mixed forms (old facets?) (~2mm) 0 -2.8 50 45 80 -2.2 40 -1.8 30 mixed forms () -> . 74 -1.3 20 beginning to sinter -1.0 10 facets -> mixed 49 poly (melt-freeze from early season) -18 -16 -14 -12 -10 -8 482 Notes:

V. 12/4/15

Location: SASP Elev. 1060 Aspect: SE Boot Pen: Z1 cm Z: 2° Time: 2:38 PM	
	MDT
Prior Obs://	
No dust observed. 1.6 Slope normal	
Snow School	



Air T: -\.2 Total Snow									Prior Pit: # 3; 2/2 n p 322 kg/m³ Notes:	
	01=11)-115 cm								
T° K	Р	1F	4F F	H	E	ρ	θ	DOD	Notes	
260										
250										
240										
230										- 1
220									Π	
210										
200										
190										
180			70							5
170		1-	70	161			-			- 4
160		90		150			,		surface sunny days	7
5 150		0	-		.5					
Ø 140	00			100			-			135
D 130				125				,		6
110		apple	aporen	V-EMPHSO	.5			110-115 D1	O1 evident At 110-115cm	115
100		00		95						
90	/				-					-9
80	/			-						
70	/			-	1					70
À- 60	/	9	99							- 1
60				-						45
50	/			+4						1
30	/		ga							25
20										~
10			B	9	-		-			
-18 -	16 -14 -12	-10 -8	N -	2 0					Old parets randing, ald poly	
Notes										5
74016										

tion:	SASP	Air T: °C	C Sky	Aspe	ect:	Boot Pen: 22 cm Z:	° Time: 2:00 MDT
						wind. Organ Notes.	
		53	9 = 1	1,770	n		
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K	P 1F	4F F	Н	D#	θ	Notes	
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	8-	11700	155			old supre	
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		-	11-	01			
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- /		-	3.				
- 1	870	o	20				8
	U / (7					5

K 8	P 1F	4F F	Н	E	ρ	0	DOD	Notes
240 230 220 210 280			195		Not	All Dry		
100 180		1	1177	1-3		7		New Snow W/ thin M/F crust of bottom of Layer Decomposing + fragmented grains
176 5 160		1	155			17		Decomposing + fragmented grains
3 150			140	1-2				Sintered Founds
7 136			124	.5-		A		Sintered rounds
7 110			104	1			DI	rounds w/ Difuse dust layer @ bottom
5 100 90 80	- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1		80	.8				Sintered rounds, previously Mixel forms
70 1 60	1	•	55	1-3		Ĭ.		Sintered mixel, vestiges of larger facets, softened Sintered mixed of old facets
7 50 = 5 40	8		37	2				Sintered mixed o old facets
7 30		图	10	1-2				Sintered mixel, less facets, Smaller grains Sintered + rounded Depth Hear
-18 -16 -	14 -12 -10 -8	1 1 -6 -4 -2	0					Sintered + counted Depth Hear
Notes:								

	Observers:		nter for Sno				
	Time: 0942	_	Sne	owpacl	. Profile	Date: $\frac{\partial l}{\partial \varphi} / \frac{\partial \varphi}{\partial \varphi} / \frac{\partial \varphi}{\partial \varphi}$ Dect: $\frac{\partial l}{\partial \varphi} = \frac{\partial l}{\partial \varphi} / \frac{\partial \varphi}{\partial \varphi} / \frac{\partial \varphi}{\partial \varphi}$ Prior Pit: #;//	0
	Location: SAS	<u></u>	Elev.	11,06	o Asp	pect: NE Boot Pen: 24 cm \(\alpha\): \(\alpha\)	0
	Air T: <u>~ 5</u> °C	Sky: SCT - B	kN Precip: n	0	Wind	1: レーS W Prior Pit: #;/_/	_
	Total Snowpack SWE	E: <u>680</u> mm H ₂ O	HS Norm:	1,92	m Me	an ρ: kg/m³ Notes:	_
	Stakes: N-1	198cm E-19	3cm 5-	19664	1 W-	an ρ: <u>1//0</u> kg/m³ Notes:	_
°C	T° K P	1F 4F F		ρ	θ DOD	Notes	SWE
	2/0		cm mm				
	250						
	240						
	230						
							
	- 210 -					little needles, 3mm V, 1-2mm \$	
-1 ((√ Ø —	195 3,1-2	NO A	 		
_0,4			193			MECT	30
-2.1			178 1			rounding DFS	
-1.4		· MFCF	173		527	coalesed 0.5 mm dust clods	CI
-1.4		/. —	153 1.5			Small rounds	6(
-(.6		•				Small Counds	48
~(, +		•	140 5			138em Miscr Possible dash, but inconclusive	56
-1.7			130 10				ļ,,,
-(.b) -1.4		/ • —	110 0.8			Small rounds	46
-L3	110	•	105 0.5-1		01	Harder Band, obvious Dust	3
				1		rounds	7Z
~(. l		•	1-2			1 '	
~(, (~(, 0	90	•	83 1-2				
-(,0	— 90 — 80	· <u> </u>	85				90
-1.1 -1.0 -0.9 -0.8	90	· = = = = = = = = = = = = = = = = = = =	1-3			rounded facets, old mixed rounded	10
-1,0 -0,9	— 90 — 80		59 1-3			rounded facets, old mixed rounded	<u> </u>
-1.0 -0.9 -0.8	— 90 — 80	·	1-3				90 86
-1,0 -0,9 -0,8 -0,6	— 90 — 80		59 I-3			rounded facets, old mixed rounded rounded facets	<u> </u>
-(,0 -0.9 -0.8 -0.6	— 90 — 80		59 I-3			rounded facets, old mixed rounded	86
-1.0 -0.9 -0.8 -0.5 -0.5	— 90 — 80	A —	59 I-3 40 I-3			rounded facets, old mixed rounded rounded facets sintered mixed, old facets and large rounded grains	86 68+50
-1.0 -0.9 -0.6 -0.5 -0.3	- 90	B	93 59 1-3 10 0 1-3			rounded facets, old mixed rounded rounded facets	86 68+50 42
-1.0 -0.9 -0.8 -0.5 -0.3 -0.2	— 90 — 80	B	93 59 1-3 10 0 1-3			rounded facets, old mixed rounded rounded facets sintered mixed, old facets and large rounded grains	86 68+50
-1.0 -0.9 -0.8 -0.5 -0.3 -0.2	- 90	B	93 59 1-3 10 0 1-3		25 5	rounded facets, old mixed rounded rounded facets sintered mixed, old facets and large rounded grains	86 68+50 42
-1.0 -0.9 -0.8 -0.5 -0.3 -0.2	-90 -80 -70 -60 -50 -40 -30 -20 -18 -16 -14 -12 -10	-8 -6 -4 -2 0	59 I-3 40 I-3 10 I-3	inti	be 00	rounded facets, old mixed rounded rounded facets sintered mixed, old facets and large rounded grains rounded DH+ sintered big rounds occasional cup w/ sharp corner	86 68+50 42
-1.0 -0.9 -0.8 -0.5 -0.3 -0.2	-90 -80 -70 -60 -50 -40 -30 -20 -18 -16 -14 -12 -10 Notes: W & S	B -8 -6 -4 -2 0 Still have but it	59 1-3 40 1-3 10 1-3 0 1-3	int	be 00	rounded facets, old mixed rounded rounded facets sintered mixed, old facets and large rounded grains rounded DH+ sintered big rounds occasional cup w/ snorp corner NOW PACK WITH Primarly MD, MOIST AND IS almost + 1730M is obvious.	86 68+50 42
-1.0 -0.9 -0.8 -0.5 -0.3 -0.2	-90 -80 -70 -60 -60 -20 -18 -16 -14 -12 -10 Notes: W & S Moisk NPN(TNERE is	B8 -6 -4 -2 0 Still have but it ground, or possil	1-3 10 1-3 0 1-3 0 1-3	int, oon	be co	rounded facets, old mixed rounded rounded facets sintered mixed, old facets and large rounded grains rounded DH+ sintered big rounds occasional cup w/ shorp corner NOW PAUL WITH Primarly me moist and is almost t 173cm is obvious. MEGT At 138cm + 157cm	86 68+50 42
-1.0 -0.9 -0.8 -0.5 -0.3 -0.2	-90 -80 -70 -60 -50 -40 -30 -20 -18 -16 -14 -12 -10 Notes: W & S DV & NOW MOTE S DV & TS DV & TS DV & TS	B	10 1-3 10 1-3 10 1-3 10 1-3 10 1-3	int. .000 .000 erra	be co	rounded facets, old mixed rounded rounded facets sintered mixed, old facets and large rounded grains rounded DH+ sintered big rounds occasional cup w/ snarp corner MD PACK WITH Primarly MD MOIST AND IS almost + 1730M IS Obvious. MFOT AT 1380M + 1570M - Solopes below treeling	86 68+50 42
-1.0 -0.9 -0.8 -0.5 -0.3 -0.2	-90 -80 -70 -70 -60 -30 -30 -30 -18 -16 -14 -12 -10 Notes: W & S D Notes: W & S D Notes: S Notes: S	B.	1-3 10 1-3 10 1-3 10 1-3 10 1-3 10 1-3 10 1-3 10 1-3 10 10 10 10 10 10 10 10 10 10	inti oon erva	be co scm. Je, E t mi	rounded facets, old mixed rounded rounded facets sintered mixed, old facets and large rounded grains rounded DH+ sintered big rounds occasional cup w/ snorp corner NOW PACK WITH Primarly MP MOIST AND IS almost + 1730m is obvious. MF or M+ 1380m + 170m Ay be present in	86 68+50 42
-1.0 -0.9 -0.8 -0.5 -0.3 -0.2	-90 -80 -70 -60 -50 -40 -30 -20 -18 -16 -14 -12 -10 Notes: W & S DV & NOW MOTE S DV & TS DV & TS DV & TS	B.	10 1-3 10 1-3 10 1-3 10 1-3 10 1-3	int. .000 .000 erra	be co	rounded facets, old mixed rounded rounded facets sintered mixed, old facets and large rounded grains rounded DH+ sintered big rounds occasional cup w/ snarp corner MD PACK WITH Primarly MD MOIST AND IS almost + 1730M IS Obvious. MF or At 1380M + 1570M - Sopes below treeling.	86 68+50 42

Observers: TT AT Center for Snow and Avalanche Studies Profile # Time: 0953 Snowpack Profile Date: 70 70 4 / 06 Location: SASPAspect: ルE Boot Pen: hote cm Elev. 11,060 Air T:∼³ °C Sky: FEW Wind: └ - N Prior Pit: # ____; 2020/04/01 Precip: ∩0 Total Snowpack SWE: 68 mm H₂O HS Norm: 1.95 m Mean ρ: N/O kg/m³ Notes: Supportable Coust caused Boot Pen to go from 0 - Zocm. Stukes: N-188cm E-183cm 5-187 cm W-1946M Notes DOD CMP -210 SWE Diffuse dust, possibly from 2000402 precipe EVENt, firspired and rusty surface who at SASP. Report of dust from TSP on 20200403. (Mm) 186 N/O laminate of meltfreeze layers Rounding DF and facets Ice Lens at 173cm 180 36 169 small rounds, 1 cm ice lens at 165 cm from perculation 32 little rounds 35 polycrystals, very hoist rounds 138 50 Founds 125 40 Sintered rounds -0.7 108 58 D1 Band Ousty Rounds -0.7 1.5 D1 86 -0.6 sintered rounds 1-2 -0.6 76 73 -0.6 sintered mixed A 1-3 64 -0,5 Sintered mixed 1-3 67 -0.3 60 20 -0.7 sintered mixed あへ -0.(1-3 with rounding depth hour -18 -16 -14 -12 -10 -8 Notes: No Clear evidence p [become isothermal this week. The about 1°C since have increased no Similar is yerx SMAN POPCIP which event produced 8mm begining 2020 0402 1000 msk. Telluride ski patrol (off dut y) reported mocha

V. 12/4/15

colored snow on 20020 0403 at

Observers: The CODOS Snowpack Profile

Location: SAST Elev. 1,060 Aspect: UE Boot Pen: Com 2: 20 Time: (315 MDT Prior Obs: 2021/04 P6 Air T: 5°C Sky: Precip: no Wind: M-S Notes:

A nice refresh of snow on Easter. Dust is visible under new snow, but unclour if it's event 3054. DZ is possibly at 14/cm, but does not stand out. DI is a bytors at loyer. Snowpack is isothermal.

		K	Р	1F	4F F	н	D#	θ	Notes	٦
	300									
	290									
	280				_					
	270				_					
	260				-					
	250				-					
	240									
	230				-					
Temp	220				_			·		
0	210			,	. —					SWE
	200			D(/ , —					mm
-230,	190			₩ /		177			Very Small sastrugi Small SH + NSF	
-3.3°c	180			A/		68	03/47.		Dust leeching into polycrystals Selow	14ma
-0,5°C	160				73	158	~ ··		Ice at 165 cm	+ / / / / /
-0100	100				9	150			small polycrystais, Ice at 158cm	68 may
0%-	140				2003	141	DZ.		Possible dust at 141cm, I ce at 149cm	78 nm
1	130				-	())				10000
	120				%				sintered rounds	ns
	110				* →♡	104	10		DI is obvious, very wet	BSmm
	100					10-7	ъ (, '	
	90				% >3	63			sintered rounds going to polycrysta's	108 mm
	80				_	-			sintered rounds	109 mm
	70				9	60			STIPLE TOURS	
	60									1
	50				y ->€	¬ (sintered rounds going to polycrysta's	
	40					36				84 mn
	30 20				&	15			Sintered rounds	99 mm
	10					0			Founds at ground	44 mm
0°_	-9	-8 -7	-6 -5	-4 -3 -2	-1 0			•		68I.

687 mm

	Obser	vers: <u>H</u>	T,J		Center for Snow and Avalanche Studies Profile #									
	Time	096	17				Sno	wpa	ck P	rofile		Date: 2070 / 04 / 20		
	Locat	ion: <u></u>	14SP			_ E	Elev.	11,0	60	Asp	ect: <u>NE</u>	Boot Pen: <u>7</u> cm	0	
	Air T	: Mn	°C	Sky: 3	KN	Precip): S	- 1		Wind	l: と‐NW	Prior Pit: # - ; 2020 104 113		
	Total	Snowpa	ack SWE:	675 mr	n H ₂ O	HS No	rm: _	1,7	-5_1	m Mea	an ρ: <u>Ν/</u> ξ	2kg/m³ Notes:	_	
	Mos	tly a	cloudy	morning (with	50m 6	2 k	slve	po	rtch «	es, clove	2 kg/m³ Notes: Us maring quickly with we onlost	est wind	
ı	T ^o	K	P	1F	4F F	Н	E	ρ	θ	DOD	Notes		. 7	
	260						mm							
	250													
	240													
	230				_									
	-220				_									
(emp	-210 -												SWE	
(emp	-200 -												0-1-(
0.50	-190 -			+\\		l		N/o					-	
-0.2°C	180		4		3	176 173	1-2mm			NU - 77	Precipi Dust Present	tation particles, graupol, rime; layor becomes moist	↓	
	17 <u>0</u> 160			• →	3	164	1-4mm				Clenens snow th	han asove layer, Ice leas on top	30 44	
	150				•		2mm			ا کی ورماز	moist rounds	hus aust, larger polycrysta s,		
	-140 -	_			3 •	1 42					wetting front Small rounds		46	
	-130				· 3	132	85-/mm			B 2		Possible book, sut hard to see, polycrystals	45	
	-120 -				,—								58	
	110					Ina	است ا				moist sintered	rounds	48	
 	100				•	102	Imm			01		nall sintered rounds		
0°C	90				•	0	1.5-7				sintered round	/s	58 37	
	80					78							3 4	
	70					60	1-3mm				sintered mixed	forms	68	
						,	1-3mm				sintered ra	nds	64	
	40					45								
	-30 -										sintered mi.	xed Es	76	
	20					20							67	
	10	1 1			*		l-Zmm				sintered row		-	
	-18	-16 -14	-12 -10 -	·8 -6 -4	<u>▶ </u>	0	[-3mm				sintered wire	ed w/ rounding depth hour	37	
İ			1			- /	M 7	. (:	כו	\cap	2 .	Total:	6 70 mm	
	Note	S. (<u> </u>	<u> </u>		at_				,		possible at	1	
	1	ر <u>کی کی ر</u> ایاد مما	140 cu	t confi	T = T'			1150 AVE	1	1	1 2 1	sted dist on April I	1	
	1	150 16 1566 .	likel	60		5,5(p		1	1,6 U	<u>- 10m</u>	1 -	Uso visible	1	
	(1.1/1/0	- 1					67		73c			sely DY, Snow 3	1	
	150 f	5 \ Q('		()	n pf	- 5 h		_;<		POL	- 1	visible dust.	j	
							-]	
												V 12/4/15		

Observers: Center for Snow and Avalanche Studies Profile # Time: 0 (3+ Snowpack Profile Date: 2020 104 127 Elev. <u>11,060</u> Aspect: <u>NE</u> Boot Pen: <u>10</u> cm 2: <u>n/2</u> Location: SASPWind: $\angle S \lor Prior Pit: # _ = ; 2020/0 4/26$ Air T: QSky: ClR-> Few Precip: NO Total Snowpack SWE: 676 mm H₂O HS Norm: 1066 m Mean ρ: w/ kg/m³ Notes: 5takes; N:167, E; 1605: 182 W/7 76 Warm day with increasing clouds, AirT from station data Η Ε ρ DOD Notes Ich of new snow 180 made of largestellas 170 D3/47 mild set evident dost layer, 2 Bounds Zevents or leave 35 160 160 150 Ice at 130 cm crust at 145 cm 48 145 130 lmn 45 120 D23 Melt forms WI free water Dz possible, but inconclusive at 12 oca 110 104/ lmm DI band, similar grains to asove & O-DI 97 05-1 80 lun 50 12mm 1-3 91 15 no cups -18 -16 -14 -12 -10 -8 678 mm prevelent at the surface NEW SNOW. T - previous 100cm, Growpack is igothorma moist, with wet snow near somp very wet areas **V.** 12/4/15

Observers: TAT CODOS Snowpack Profile Date: 7820 / 05 / 04 Elev. $U, \partial G \partial$ Aspect: $M \mathcal{E}$ Boot Pen: \mathcal{L} cm \mathcal{L} : \mathcal{L} Time: \mathcal{L} MDT Prior Obs: 100 101/27 Air T: __ °C Sky: Few Precip: 100 Wind: L-S Notes: 6/0pe normal 61.33m The snow surface is dusty with Imm particles. 11 is still below the surface. The dust is widespread and the Snow change is dramatic week to week. The stream is as full as it has been this season. The snow will support the weight of a skier thanks to crost just below surface. Н D# Notes Temp Dusty poly, coalesed dust up to Imm. (o\2) 82_ melt forms O(Imn 59 102 Thick diffuse dust band. Wetter rounds + melt forms · -×3 wetted founds going poly 98 78 Sintered rounds going poly 70 62 71 46 52 62 (5 79 -5 -4 -6 total: 573mm

	Obse	rvers:	1 A		Cei	nter for	Sno	w aı	nd A	valan	che Studies	8	Prof	ĭle #	
			55	_						Profile			Date: <u>2022</u>		
	Loca	tion: ≤	14S+	<u> </u>			Elev.	11	060	2 As	pect: NE	Boot Pen: _	<u></u>	<u>الا 3</u>	0
		`: <u>3</u>						-				Prior Pit:			
	Total	Snowp	ack SWE	:: <u>468</u>	_ mm H ₂ O	HS No	orm: ्-	10-	7	m Mo	ean ρ : $\frac{\sqrt{\sqrt{a}}}{\sqrt{a}}$	kg/m ²	Notes: E	rst snow	Ac (/
					,							int to S	I with	SE WITC	<u>(</u>
	T [°]	K	Р	1F	4F F	H Cm	E	ρ	θ	DOD	Notes				1
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	250														İ
	240														İ
	220														ļ
	210														
	200														
	190														
Temp	-180														SUE
1 EMP	170														İ
	160 150														
	-140 -														
	-130 -														
	120											New su	. 01. /		<u> </u> -
	110				+(*)	106	0,5	NIO	<u> </u>			merged do	st layer.	S 1	Zyman
	100	Ξ		ā		97				D2-4	\(\begin{align*} \(\begin{align*} \text{V} & \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \	ery dark 1 11 still s	mm clods, C eperaté f . Diffuse du		ŧ
	-80-				Q —							Oust events	. Diffuse du	St W/ Polys	8/mm
	70				ω _	66									55 mm
0°C	60				\sim										0.0
UC	50				03-										98mm
	40					3 <i>0</i>									70 mm
	20				003										
	10	1 1	1 1	1 1		1									9/20
	-18	-16 -14	-12 -10	-8 -6	-4 -2 0	0									49 mm
					rts f	,	V -	<u> </u>	J	1 (,		1 0 :	<u> </u>	tota	46Buny
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	and	is	Mo		dittus						<i>,</i> , , , , , , , , , , , , , , , , , ,	rs, Baser		a-le]
	8+	me	1t, h	1e e	xpec-			, () merg	e with	`	e next]
	3	day	<u>'S.</u> l	dint	<u> </u>	is E	ac.	C	W	i+c	y Uco	m of	moi		-
	151/	00		+.	SASI									V. 12/4/15	

Obse	rvers:	STAT		Cei	nter for	Sno	w aı	nd A	valanc	he Studies		Profi	ile#	
Time	: _ 1(10				Sno	owpa	ack P	rofile		Da	ate: <u>2078</u> /_	05/19	
Loca	tion: _	SASP]	Elev.	11,0.	60	Ası	pect: <u>UE</u>	Boot Pen:	cm	ے: <u> </u>	0
Air T	: 11	°C	Sky	:Few						d: <u>m-sat</u>				
Total	Snow	pack SWE:	302	mm H ₂ O	HS No	orm:	0.6	7	m Me	$an \rho$: α/σ				
40	0 PS	fell v	ndei	- mosi	14 cle	ea (` <i>S</i>	Ky	<u> </u>	·				_
T°	K	Р	1F	4F F	, H	Е	ρ	θ	DOD	Notes				-
260														
250														
240					-									
230														
-220 -														
210														
200														
-190 -														
180														
-170														
160														
150														
140														5110
130														SWE
120														10100
110														
90														
-80											. 1 1			
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40				& 0	33			$ \cdot $						74
-30				30	20									
20			4	30	10			Н						
10				30	0			Ш						87
-18	-16 -14	-12 -10 -8	-6	-4 -2 0				Ш	1			4	0 (9)	
Note	s: A	11 /0	O. C	(m	Prax		<i>A</i> _A		$C_{1/1}$	face.	S12 21 21 20 C]
			<u> </u>	Dolyc	r VCt.	1/5	<u> </u>		are	ov. Not	50,000 pac	~ f (- 0	961219	
< a n	61 °	s tructi	110	10	401 d	<u> </u>	on c	<u> </u>	wa f	er leno	ding to	o fro	Q	İ
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				545	Pne	28	4	w	oo k	. Spent	Somp (=igne		
										SGI for o		omorroc	/V. 12/4/15	
	~	\cup			1				7	, ,	1 0 <u>7 </u>			

Observers: TAT Center for Snow and Avalanche Studies Profile # ____ Time: 1145 Date: 2020 / 05 / 26 Snowpack Profile Location: SASPElev. 1(060 Aspect: NEBoot Pen: C cm Air T: C °C Wind: ムー と Sky: cl Precip: _ \u00c40 Prior Pit: # - ; 2020/08//9 Total Snowpack SWE: 176 mm H₂O HS Norm: 0.37 m Mean ρ: μ/ο kg/m³ Notes: Less wind than above tree line, North: 25cm East: 30cm South; 25cm Vest 15cm Notes Ε ρ θ DOD 160 Suncups over 15cm Draty Srrface 30 NH NO 10 -18 -16 -14 -12 -10 -8 -6 layers merged Notes: All SNOWW

V. 12/4/15

	Observers:	AT	Center for	Snow ar	nd Avalan	che Studies	Profile #	
	Time: 123	` _	Center for		ick Profile		Date: 3/ /03 /20	-
			1	_				_
	Location: 2 12	2 I		Elev. [Z	186 A	spect: $\nearrow \smile$ Boot P	Pen: <u>17</u> cm	- 2p70
							kg/m ³ Notes:	
	Total Snowpack S	WE: The mm H	20 HS NO	orm: <u>(• 12</u>	m N	ean ρ:	kg/m ³ Notes:	_
	T ^o K P	1F 4F	F _. H	Ερ	θ дог	Notes		SWE
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	240	-						
Temp	230	-						
0		-			A11			
-2.9	210 204 -200	-	204	N/o	Dry Non	e Sastrugi		
-1.2	200		t/ 190	0.3 0.5			and NFs	15
-5.7 -5.9 -5.6			180	1		new Snow Sintering	NFC	24
ع.م م.ک				7.		3/2/00/11/3	· 1 -1 (⊣ `
-5.3	L		165	0.8		Small rounds	s, wind slas	55
		<i>₽</i>	150	1.		Sintered	rounds	40
-5.0 -4.6	—140 —	A		12.		sintered	rounds	64
-3.7	- 130 -	LD.	130			w/ occasio	onal facet	_ 6 -/
-3.7 -3.5 -3.1			113	2 3.		larger ro	unded facets	50
-3,(-110	-		1		small sintere	drounds, wind slas	_
-2,9 -2,7		<u> </u>	97	1.		very hara, Jan	/Feb wind!	77
-2.4 -2.5	- 90 -	l A	80	2.3.		rounding	facets	-68
-2.3			0 77	N/o		Weak fa		
-2,0	70	%		,		(((()))	I rounds	lle
-1,9	60		50	2.		Sintere	J 10000 5	100
-1,7		•						_
-1.5	- 40 	80		1.6		sintered	l sounds	163
-1.4			22				•	- .
-1,1	- 10 	118		3		NH and	rounding	45
-0.4			0			1311 3135	facets	
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							V . 12/4/10	

	Ob	servers:	H	IL		Ce	enter for	r Sno	w aı	nd Av	dies	Pr	ofile #			
	Tin	ne: 🃙 🖰	20					Sno	owpa	ack Pi	ofile			Date: <u>24</u>	103120	
	Loc	cation: _	SBS	92				Elev.	12,	186	Asp	ect: <u>N</u>	Boot Pen:	<u>26</u> cm	۷: <u> </u>	
		T: _4,0			Sky:	\bigcirc			,				SW Prior Pit			
	Tot	al Snow	vpack S	WE: <u></u>	5 <u>90</u> r								<i>J[0</i> kg/n			
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- 5.80 -55	180					/ <u>+/</u>	165	0.5				31	wend w	orked		
-4,6								10.5						1		
-4.1						<u>+/</u>	147	0.5-1	_			46	rounding	0+	\ <u></u>	
-3.9						<u> </u>	135	0,3				34	small rou	inds		
-3.7	l				(%	120	0.8				58	Sintered	rounds	occusional M, Sharp cornav	
-3,4	120												percect n	eckina		
-3.5 -3.1	100	-				<u>B</u>	95	0.S-				122	aintered in	ixed for	occaisional -	
-3,0	90	-						12								
-27						<u>P</u>	77	2				59	same a	s above	but bigger	
-2.6	70				Д	_	-								7, 1	
-7.5					<u></u>	<u> </u>	55	1-3				72	large sin	tered,	mixed	
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سارات معادد							0	1-6				48	Small n	onde	104	
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		, (5	8+	POV	ndi	ug,	, <u>e</u> s	<u> </u>	19	114	17	Ocn	n and f	be lou	<u>/, </u>	
															V. 12/4/15	

Observers: T, AT Center for Snow and Avalanche Studies Profile # Time: 1024 Date: 2020 104107 Snowpack Profile Location: SBSPAspect: LE Elev. 12,186 Boot Pen: 6 cm \(\alpha : \mathcal{N} \(\infty \) Air T: ~1 °C Wind: $\langle -S \rangle$ Prior Pit: # - ; 2020 / 93 / 3 (Sky: CLR Precip: 10 Total Snowpack SWE: 677 mm H₂O HS Norm: 1.86 m Mean ρ : 1.86 m Mean ρ : 1.86 kg/m³ Notes: 1.86 Notes: 1.86 m SKY. Yellow hue on SE horizon Notes (cm) SWE lemp (mm) ΚII 189 NO Dry Widespread small sastrugi rounds, DFs, windworked snow 42 176 small rounds 53 160 Small rounds 145 52 Sintered rounds 52 -3.2° Sintered Founds mixed rounding facets possibly february surface 63 -2.8" sintered rounds possibly from wind event 75 rounded face ES 47 80 Sintered rounds 86 1-2 -1.90 50 sintered mixed B 113 40 Sintered mixed -1.30 (-) -1.(115 10 Rounding DH W/ cups to 3mm and smallers -0.40 -18 -16 -14 -12 -10 -8 677 mm Notes: No clear sign of DI or DZ. DZ is prevelent on SASP to SBSP as disty snow and dramatized mplb patterns (firmspiead trunnels) as well as in wet loose avalanches. notprevelent at SBSP but visible in many other Foremsters + CNOT Staged at areas of SBB. SASP for explosive mission to Blue Point Cornice, CAIC

explained our work

V. 12/4/15

and

CODOS Snowpack Profile Date: 7070104/13 Elev. \(\bigcirc \) \(\bigcirc \) \(\bigcirc \) \(\bigcirc \) \(\bigcirc \) \(\bigcirc \) \(\bigcirc \) \(\bigcirc \) \(\bigcirc \) \(\bigcirc \) \(\bigcirc \) \(\bigcirc \) \(\bigcirc \) \(\bigcirc \) \(\bigcirc \) \(\bigcirc \) \(\bigcirc \) \(\bigcirc \) \(\bigcirc \) \(\bigcirc \) \(\bigcirc \) \(\bigcirc \) \(\bigcirc \) \(\bigcirc \) \(\bigcirc \) \(\bigcirc \) \(\bigcirc \) \(\bigcirc \) \(\bigcirc \) \(\bigcirc \) \(\bigcirc \) \(\bigcirc \) \(\bigcirc \) \(\bigcirc \) \(\bigcirc \) \(\bigcirc \) \(\bigcirc \) \(\bigcirc \) \(\bigcirc \) \(\bigcirc \) \(\bigcirc \) \(\bigcirc \) \(\bigcirc \) \(\bigcirc \) \(\bigcirc \) \(\bigcirc \) \(\bigcirc \) \(\bigcirc \) \(\bigcirc \) \(\bigcirc \) \(\bigcirc \) \(\bigcirc \) \(\bigcirc \) \(\bigcirc \) \(\bigcirc \) \(\bigcirc \) \(\bigcirc \) \(\bigcirc \) \(\bigcirc \) \(\bigcirc \) \(\bigcirc \) \(\bigcirc \) \(\bigcirc \) \(\bigcirc \) \(\bigcirc \) \(\bigcirc \) \(\bigcirc \) \(\bigcirc \) \(\bigcirc \) \(\bigcirc \) \(\bigcirc \) \(\bigcirc \) \(\bigcirc \) \(\bigcirc \) \(\bigcirc \) \(\bigcirc \) \(\bigcirc \) \(\bigcirc \) \(\bigcirc \) \(\bigcirc \) \(\bigcirc \) \(\bigcirc \) \(\bigcirc \) \(\bigcirc \) \(\bigcirc \) \(\bigcirc \) \(\bigcirc \) \(\bigcirc \) \(\bigcirc \) \(\bigcirc \) \(\bigcirc \) \(\bigcirc \) \(\bigcirc \) \(\bigcirc \) \(\bigcirc \) \(\bigcirc \) \(\bigcirc \) \(\bigcirc \) \(\bigcirc \) \(\bigcirc \) \(\bigcirc \) \(\bigcirc \) \(\bigcirc \) \(\bigcirc \) \(\bigcirc \) \(\bigcirc \) \(\bigcirc \) \(\bigcirc \) \(\bigcirc \) \(\bigcirc \) \(\bigcirc \) \(\bigcirc \) \(\bigcirc \) \(\bigcirc \) \(\bigcirc \) \(\bigcirc \) \(\bigcirc \) \(\bigcirc \) \(\bigcirc \) \(\bigcirc \) \(\bigcirc \) \(\bigcirc \) \(\bigcirc \) \(\bigcirc \) \(\bigcirc \) \(\bigcirc \) \(\bigcirc \) \(\bigcirc \) \(\bigcirc \) \(\bigcirc \) \(\bigcirc \) \(\bigcirc \) \(\bigcirc \) \(\bigcirc \) \(\bigcirc \) \(\bigcirc \) Air T: \(\frac{1}{3} \) C Sky: \(\frac{\frac{1}{2}}{2} \) Precip: \(\frac{1}{2} \) Wind: \(\frac{M-SW}{2} \) Notes: \(\frac{1}{2} \) DI's visible from 104-108cm, DZ is light, but visible from 118-17 yem. The snowpack at SBSP is very cold and winterhas had liquid winter move through today, but it was a very chilly day, especially with wind, Notes Temp my All Dry 173 Small sasting!

wind worked and rounds
laminate of ice and melt forms -12,8 - 8 .6 170 -8,0 34 158 sintered rounds and ice 50 148 snowpack becoming more homogenous D2 is lightly visible from 118 - 12 4 con 0 0,5-1mm 67 DZ -3.3 DI is diffuse from 104-108cm 59 -3,1 . 0.5-Inm -2,6 syntered mixed form Bin 68 -2,2 90 rounding face Es -Z.1|<u>80</u> 43 75 -2,2 1-2mm sintered rounds -Zil 60 26 1-2mm 8(_2,0|_50 40 66 -1,8 rounding facets - l.b 62 - 45 15 50 rounding depth hour w/bigcups + striation

-9 -8 -7 -6 -5 -4 -3

Total: 616mm

	Observers: THT Center for Snow and Avalanche Studies Profile #															
	Time	: <u> [</u>	l (rofile		Date: 200/04/2			
	Loca	tion: _	5135	42]	Elev.	17,1	186	Asp	ect.NE	Boot Pen: 15 cm	: <u>15</u> cm		
	Air T: _Z_°C Sky: OUC							p: <u>S</u> -	- <u> t</u> o	SI	Wind	1: L-SW	Prior Pit: #; 2	020104119	<u>(</u>	
	Total Snowpack SWE: 69 mm H ₂ O							orm: _	1,80	kg/m³ Notes:						
	Int	ern	iton	4 Je	ry lz	gut to	light	Sv	rowf.	arings,		_				
	T [°]	K	Р	ľ	1F	4F F	1	E	ρ	θ	DOD	Notes			l	
	260						CM.									
	250						1									
	240						1									
	230						1									
Temp							1								SWE	
0	210														mm	
	200				+	~~	188		No							
	190 180				7			1-Zmm					ns + graupel		8	
	-170 -					/→0	165	(mm				rounding	DF, Crust at top for wldusty rounds, reeba	of layer	·31	
-2.9	160					<u>&</u>	160	2mm			134			nd + frozen Poly	<u> </u>	
-2,9	150						146	0.5- In	×.		035	Small sint	fored rounds us around 150-156 cm		75	
-3.	-140 -										135;	Possibl Small sint	es around 150-156 cm	cm		
-3.1	-130 -					_	121	0.5mm				300001 3110			88	
٥,٤-	120					•	110	1-Zm			02.	possible	DZ at 12tcm		06	
	110					5		1-2mm			Di	DI Band		AVEC OF CIF	83	
-2.7 -2.6	100				E		ao					rounding t	acets and sintered m	ixed forms	87	
-7,4												7	uplike Styter od mixe			
-2.1	70						70	[-3 _{nm}	1			almost c	- syder in mix		72+3	
- 1.9	60					• —	_					sintere	l rounds			
-/8	50						-	1-3ma	1			3, 202,20	`			
۵.۵ ~	40						40								62	
-1.5	-30 -					>		1-3mm				ι (t /		66	
-1,2	20					• (0)	20					1.1	ιι			
-1.0 0.t	10							1-3mr				W/ Oc	casinal rounding D	\mathcal{H}	81	
~0.5	-18	-16 -1	4 -12	-10 -8	-6	-4 -2 (, i				ı		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	Tobal:		
	Note	s: í	hi5	L o	5 t	the f	First	+10	m e	W	ا ج	rave c	learly seen			
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	60		eco	v\$.	e	the	pit	: (\mathcal{N}^{c}	٠ <u>Ş</u>	loc	cated	in aspot	= /		
	ω	th	M	0 5 6		lepos	Eion	, 0		<u>L</u> &	200	nuse	oro, This m. in a spot water has	-	÷	
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	Obs	ervers	siJ_	TA		-	(Cent	ter for	Sno	w ar	nd Av	valanc	he Studies		P	rofile #	-
	Time: 1037									Sno	wpa	ick P	rofile	. / —	I	Date: 2020/04/28		
	· ·									Elev. 186 Aspect: No Boot Pen: 3 cm								_
	Air T: 2°C Sky: ⊕√C ~																	
	Tota	l Sno	wpa	ck SW	E: <u>6</u>	1	mm H	$_{2}O$	HS No	rm:	1.7	3_:	m Mea	an ρ:/	kg/m³ んなその	Notes: 3	Sustan	<u>cel</u>
	Str 10 ts	ona of	<u>W</u>	inds Lut	> 16	<u> </u>	n a	JESC LP.	ast With	<u> </u>	wd ivd	<u>CO U</u> S &	rer Eastiv	Slight	s hate	- 17	5 KY	
ı	T ^{O 1}	K		P		1F	4F	F	H	E	ρ	θ	DOD	Notes				—
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(em)	220						-											SWE
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000	140						& -							Styter	ed ver	nels		55
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	120						a -		115				-		- 125cm	1		78
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	Note	es: (D 09	ot i	T.S	W	ides	SPr	ed e) /\	<u>S</u> 1	104	15 v	rface	in St	3B, I	-	
	īS	Mo	√ e	Œ	<u>) N C</u>	.e.	Ere	te	<u>/ [/ </u>	\ ``	<u>ed v</u>	l r es	5 a	nd lee	slopes,	Thore	e are	
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	and	<u> </u>	lea Sel	<u> </u>	, <i>no</i> 1		<u> </u>	vere	$\frac{1}{100}$	<u>e</u>	0 K	00 5	30 me	· Corn	Slab au	ralano	nes on	<u>`</u>
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) Vd	f 3	\\\\\	Con	.oh	Siv	10, ,		(- (<u> </u>	P 00				·		V. 12	/4/15

Observers: The CODOS Snowpack Profile Date: 2070 / 05 / 05 Location: $\triangle B \triangle P$ Elev. 12,166 Aspect: 12 Boot Pen: 1 cm 2:3° Time: 12 MDT Prior Obs: 2020/04/28 Air T: _ OC Sky: clr Precip: no Wind: L-Ny Notes: Sope normal: 1,5/m What a difference from last week, SBSP has transitioned into a melting snowpack, Sortace dust has become more dramatic with melt troughs around Econdeep, DI is still buried and is hard near surface layer may prevent surface melt from perculating into the midpack, 4F F D# Temp may 180 Rough surface from dust induced melting, 3cm troughs, merged dust knyers
at surface. Rusty color
brough landscape w/ Ancher
areas in depressions. 170 149 DZ-4/5 144 -0,4 47 laminate of ice and polys. May hard snow my slow perulation thom surface **a** 3 136 (f)(•) -03 48 122 120 90 105 DI is faint, but exists from 100-106cm welted mixed forms going poly 58 B 80 33 \square 87 60 73 40 25 83 2-4m ground is a little modely (^) -8 -7 -6 -5 -4 -3 -2 -1 0 totale 615 mm

Move Dia 185 mm

Obse	rvers:	JT, A-		Cen	ter for	Sno	w ar	nd A	valancl	he Studies		Profile #	
	: [0						_		rofile		Date: <u>20</u> 2		
Loca	tion: _	SBSP			_ E	Elev.	12,	186	Asp	ect: <u>NE</u>	Boot Pen: _ 5 cm	<u> </u>	0
Air T	: 4	_°C	Sky	: Few	Precip): <u>~</u>	<u>o</u> `		Wind	l: <u>L</u> -SW	Prior Pit: #	1070 105 105	(CODOS)
Toțal	Snow	pack SWE:	557	mm H ₂ O	HS No	rm: _	1,31	6	m Mea	an ρ: <u>M/C</u>	kg/m³ Notes:	Pleasent	- / -
do	<u> </u>	Marmo	ts 0	and co	10te	S (9 V	(([ha 1[,	engina	2 kg/m³ Notes: descent be	2 low tree	line
T°	K	Р	1F		Н					• _			
260					CM								
250													
240													
230													
220				-									
210													SWE
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-190				-									
-180													
170			+()	(-)									
160			1 mm										
150			- 041	(3000)	130					Small sastriza	gi precipit	ation particles	
140					139				I I	1			
130				5	123				8-7/5 000	at top o	and leeching thayou		2100
120				3	108				D2:	1055,5le	2 DZ at 123 c	~1	99 min
110				3	100				01	D1 cler	ly present		
100				3 -> (3)							7		88 mn
-80					78								(0 ma
70			4										
-60					60			i					62mm
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10					0								63mm
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Note	s: 4	[cm of	- tr	esh s	NOW	1	(ef	-(-	the	Sorfac	e looking		I
											es, wind scou		
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Observers:	Center for	Snow an	nd Avalan	che Studie	S	Profile #	
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Location: $SBSP$		Elev. 12,	186 A	Boot Pen: 2-40cm	n <u>2:_3</u> °		
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Total Snowpack SWE: 447 mm H	I ₂ O HS No	orm: 1,03	3m M	ean ρ:/	kg/m ³ Notes	: Fast movina	
Total Snowpack SWE: 447 mm H Clouds, Significant i	ncrease	in a.	inds po	ed at	tree (me.	Loyote at SBSP	
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