

Zack Schubert
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~~RECORDED~~

SNOW COVER PROFILE			Date 1-25-11 Time 12:00 pm	Observer Sean Sutherland
Location Code (see below): Deep Pit, C1			Air Temperature -30°C	
Valid 3-character location codes are Saddle grid stakes (001 through 080), 10A through 80A, south of Green Lake 4 inlet (084), north of Green Lake 4 inlet (085), Green Lake 4 outlet (086), Green Lake 5 (087), 50 m south of creek on Navajo bench (088), Arikaree Glacier (ARK). Green Lake 3, 4, and 5 north facing slope (e.g., GSN), Green Lake 3, 4, and 5 valley floor (e.g., GSV), Green Lake 3, 4, and 5 south facing slope (e.g., GSS), Green Lake 5 Outlet south-facing slope (SOS), east edge of soddie lysimeter field (SAE), west edge of soddie lysimeter field (SAW), south-west of soddie lysimeter field (SSW), 300m east of T-van towards the soddie (T30), soddie west new (SWN) Ameriflux Tree B- (ABI)-index, (AB1)-10cm from tree (AB2)-50cm, (AB3)-100cm, (AB4)-150cm, (AB5)-200cm, (AB6)-250cm, Ameriflux Tree 1-(A1) index, (A11)-10cm from tree (A12)-50cm, (A13)-100cm, (A14)-150cm, (A15)-200cm, (A16)-250cm. Liquid water values range from 0 to 8 %.			Cloudiness/ partly cloudy Insolation	
Valid 2-character grain shape codes are wet snow metamorphism (WM), equitemperature (ET), depth hoar (TG), ice (IC), or crust (CR). Grain sizes range from 0.1 to 9.9 mm. (Default 9.9 mm)			Precipitation occasional snow mostly noticed flurries	
Hardness codes: 1- (knife); 2- (pencil); 3- (1 finger); 4- (4 finger); 5- (fist).			Wind Breezy, little wind	
			Surface Hardness 5	Instrument

Computer data entry by _____ Date _____ Rekey _____ MARKW .FLB FORMS SNOWPIT ; SNOWGRAN

∇T
7.4 m

Temp (C)	Net Weight (g)	<--- Height above ground (cm)	---> Height above ground (cm)	liquid water (%)	Grain Shape	Grain Size (mm)	Hardness	Cutter Tare (g)	Comments
-6		00000	101						
-7.5	197	101	90	—	ET	1	5		* fall snows @ denser than 100g/1000g
-7.0	293	90	82	—	ET	1.5	3		* faceted crystals represent a lower density
-5.0	304	80	72	—	ET	1	5		* less dense @ end ↑ means the H ₂ O molecules migrated
-4.0	329	70	51	—	ET	1	3		
-3.0	386	60	37.5	—	ET	1	5		
-2.0	439	50	0	—	ET	1	5		
-1.5	423	40							
-0.5	435	30							
0	418	20							
0	396	10							

What Is Snowpack Structure?

What environment does Snowpack present to organisms?
How did pack structure come about?

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SNOW COVER PROFILE	Date Time	Observer Ryan Zurburu Vivian Underhill Justin Buman
Location Code (see below): C4 Middle	Air Temperature -3° C	
Valid 3-character location codes are Saddle grid stakes (001 through 080), 10A through 80A), south of Green Lake 4 inlet (084), north of Green Lake 4 inlet (085), Green Lake 4 outlet (086), Green Lake 5 (087), 50 m south of creek on Navajo bench (088), Arikaree Glacier (ARK). Green Lake 3, 4, and 5 north facing slope (e.g., GSN), Green Lake 3, 4, and 5 valley floor (e.g., GSV), Green Lake 3, 4, and 5 south facing slope (e.g., GSS). Green Lake 5 Outlet south-facing slope (SOS), east edge of soddie lysimeter field (SAE), west edge of soddie lysimeter field (SAW), south-west of soddie lysimeter field (SSW), 300m east of T-van towards the soddie (T30), soddie west new (SWN) Ameriflux Tree B- (ABI)-index, (AB1)-10cm from tree (AB2)-50cm, (AB3)-100cm, (AB4)-150cm, (AB5)-200cm, (AB6)-250cm, Ameriflux Tree 1- (A11) index, (A11)-10cm from tree (A12)-50cm, (A13)-100cm, (A14)-150cm, (A15)-200cm, (A16)-250cm.	Cloudiness/ Insolation mostly cloudy	
Liquid water values range from 0 to 8%. Valid 2-character grain shape codes are wet snow metamorphism (WM), equitemperature (ET), depth hoar (TG), ice (IC), or crust (CR). Grain sizes range from 0.1 to 9.9 mm. (Default 9.9 mm) Hardness codes: 1- (knife); 2- (pencil); 3- (finger); 4- (4 finger); 5- (fist).	Precipitation light snow Wind slight Surface Instrument Hardness	

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site; clearing, hummock of snow
crust on ~~top~~ - easy for squirrels to walk on
squirrel tracks, cut off branches

SNOW COVER PROFILE	Date 1/13/11 Time 12:00 pm	Observer Daniel Esen
Location Code (see below): CL Shallow	Air Temperature 30°C	
Valid 3-character location codes are Saddle grid stakes (001 through 080, 10A through 80A), south of Green Lake 4 inlet (084), north of Green Lake 4 inlet (085), Green Lake 4 outlet (086), Green Lake 5 (087), 50 m south of creek on Navajo bench (088), Arikaree Glacier (ARK). Green Lake 3, 4, and 5 north facing slope (e.g., GSN), Green Lake 3, 4, and 5 valley floor (e.g., GSV), Green Lake 3, 4, and 5 south facing slope (e.g., GSS), Green Lake 5 Outlet south-facing slope (50S), east edge of soddie lysimeter field (SAE), west edge of soddie lysimeter field (SAW), south-west of soddie lysimeter field (SSW), 300m east of T-van towards the soddie (T30), soddie west new (SWN) Ameriflux Tree B- (AB1)-index, (AB1)-10cm from tree (AB2)-50cm, (AB3)-100cm, (AB4)-150cm, (AB5)-200cm, (AB6)-250cm, Ameriflux Tree 1- (A11) index, (A11)-10cm from tree (A12)-50cm, (A13)-100cm, (A14)-150cm, (A15)-200cm, (A16)-250cm. Liquid water values range from 0 to 8 %. Valid 2-character grain shape codes are wet snow metamorphism (WM), equitemperature (ET), depth hoar (TG), ice (IC), or crust (CR). Grain sizes range from 0.1 to 9.9 mm. (Default 9.9 mm) Hardness codes: 1- (knife); 2- (pencil); 3- (1 finger); 4- (4 finger); 5- (fist).	Cloudiness/ Partly cloudy Insolation	
Precipitation Light snow		
Wind Light		
Surface Hardness	Instrument	

Computer data entry by _____ Date _____ Rekey _____ MARKW .FLB FORMS SNOWPIT ; SNOWGRAN

SNOW COVER PROFILE	Date Time	1/15/11 12:30	Observer Derrett, Erin, Danie
Location Code (see below): C Very Shallow	Air Temperature 30°C		
Valid 3-character location codes are Saddle grid stakes (001 through 080, 10A through 80A), south of Green Lake 4 inlet (084), north of Green Lake 4 inlet (085), Green Lake 4 outlet (086), Green Lake 5 (087), 50 m south of creek on Navajo bench (088), Arikaree Glacier (ARK). Green Lake 3, 4, and 5 north facing slope (e.g., G5N), Green Lake 3, 4, and 5 valley floor (e.g., GSV). Green Lake 3, 4, and 5 south facing slope (e.g., GSS), Green Lake 5 Outlet south-facing slope (SOS), east edge of soddie lysimeter field (SAE), west edge of soddie lysimeter field (SAW), south-west of soddie lysimeter field (SSW), 300m east of T-van towards the soddie (T30), soddie west new (SWN) Ameriflux Tree B- (ABI)-index, (ABI)-10cm from tree (AB2)-50cm, (AB3)-100cm, (AB4)-150cm, (AB5)-200cm, (AB6)-250cm, Ameriflux Tree 1-(A1) index, (A11)-10cm from tree (A12)-50cm, (A13)-100cm, (A14)-150cm, (A15)-200cm, (A16)-250cm.		Cloudiness/ Insolation Partly Cloudy	
Liquid water values range from 0 to 8%.		Precipitation light snow	
Valid 2-character grain shape codes are wet snow metamorphism (WM), equitemperature (ET), depth hoar (TG), ice (IC), or crust (CR).		Wind light	
Grain sizes range from 0.1 to 9.9 mm. (Default 9.9 mm)		Surface Instrument	
Hardness codes: 1- (knife); 2- (pencil); 3- (1 finger); 4- (4 finger); 5- (fist).		Hardness	

Computer data entry by _____ Date _____ Rekey _____ MARKW .FLB FORMS SNOWPIT ; SNOWGRAN

SNOW COVER PROFILE	Date Time	Observer <i>Ryan Subisarata</i> <i>Vivian Underhill</i> <i>Justin Burn</i>
Location Code (see below): CL Forest	Air Temperature	
Valid 3-character location codes are Saddle grid stakes (001 through 080, 10A through 080A), south of Green Lake 4 inlet (084), north of Green Lake 4 inlet (085), Green Lake 4 outlet (086), Green Lake 5 (087), 50 m south of creek on Navajo bench (088), Arikaree Glacier (ARK). Green Lake 3, 4, and 5 north facing slope (e.g., GSN), Green Lake 3, 4, and 5 valley floor (e.g., GSV), Green Lake 3, 4, and 5 south facing slope (e.g., GSS), Green Lake 5 Outlet south-facing slope (5OS), east edge of soddie lysimeter field (SAE), west edge of soddie lysimeter field (SAW), south-west of soddie lysimeter field (SSW), 300m east of T-van towards the soddie (T30), soddie west new (SWN) Ameriflux Tree B-(AB)-index, (AB1)-10cm from tree (AB2)-50cm, (AB3)-100cm, (AB4)-150cm, (AB5)-200cm, (AB6)-250cm, Ameriflux Tree 1-(A1) index, (A11)-10cm from tree (A12)-50cm, (A13)-100cm, (A14)-150cm, (A15)-200cm, (A16)-250cm. Liquid water values range from 0 to 8 %. Valid 2-character grain shape codes are wet snow metamorphism (WM), equitemperature (ET), depth hoar (TG), ice (IC), or crust (CR). Grain sizes range from 0.1 to 9.9 mm. (Default 9.9 mm) Hardness codes: 1- (knife); 2- (pencil); 3- (1 finger); 4- (4 finger); 5- (fist).		
Cloudiness/ Insolation	Precipitation	Wind
Surface Hardness	Instrument	

Computer data entry by _____ Date _____ Rekey _____ MARKW .FLB FORMS SNOWPIT ; SNOWGRAN