

Location:		Co		Site:		JPL Mt		Date:		7/25/22	
Time:		1517		Observers:		Eme G. G.		Interval board SWE measurement			
Precip Rate	None	Very Light (0.5 cm/hr)	Light (1 cm/hr)	Moderate (5 cm/hr)	Heavy (10 cm/hr)	Sample A	Depth (cm)	SWE (mm)	Density (kg/m <sup>3</sup> )	Evidence of melt resulting in SWE loss? (Y/N)	
Precip Type	Rain	Snow	Graupel	Hail	Rain/Snow	Sample B	70.8	44	212	Y	
Sky	Clear	Few ( $< 1/4$ of sky)	Scattered ( $1/4 - 1/2$ of sky)	Broken ( $> 1/2$ of sky)	Overcast (complete cover)	Sample C	71.4	49.5	213		
Wind	Calm (0 mph)	Light (1 - 16 mph)	Moderate (17 - 25 mph)	Strong (26 - 38 mph)	Extreme ( $> 38$ mph)	Ground condition	Frozen	Moist	Saturated		
Tree Canopy	No trees	Sparse (5 - 20%)	Open (20 - 70%)	Closed ( $> 70\%$ )		Ground roughness	Smooth ( $< 5$ cm)	Rough (5 - 20 cm)	Rugged ( $> 20$ cm)		
Instrument	Y/N	SN	Instrument	Y/N	SN	Height of Ground Vegetation (cm)	Bare	Grass	Shrub	Deadfall	
Digital LWC	N		Snow Scope	Y	151	Thawed/liquid > 10mm R <sub>g</sub>					
Stratigraphy pictures	Y		Lyte Probe	N							
Standard ram	Y		SMP	N							
Powder Ram	Y		Force Ram	Y							
Slush Ram	N		Force Snow Scope	Y	151						
HS Transects	Y		Snow Scope Transects	N							
Pit Pictures	Y		SSA / NIR Box	Y	101						
Other											

Misc

Current RASD @ 1716  
HS 92 cm

[illegible]

# Ram Penetrometer Field Data Sheet

Location: <u>                    </u>														
Site: <u>                    </u>														
Associated pit/transect/point: <u>JPLMST20250225</u>														
Date: <u>20250225</u>										Time: <u>1436/1613</u>				
Observer: <u>Emc GSE</u>														
UTME: <u>                    </u>					UTMN: <u>                    </u>					Zone: <u>                    </u>				
Ram type: <u>                    </u>					Ram mass: <u>                    </u> kg					$RN = T + H + nH/p$ kg $RR = 9.81 (T + H + nH/p)$ N				
T	H	n	f	p	T	H	n	f	p	T	H	n	f	p
1	0	0	0	4	0.1	0.1	2	10	9	0.1	0.1	2	5	47
1	0.5	0	0	8			3	10	10					48
		1	3	11			3	15	11			3	5	49
		1	2	18			2	20	12			2	10	50
		5	1	19					13					51
		1	3	20			1	25	14					52
				21			2	25	15			1	10	53
				22			1	25	16			2	10	54
		5	3	23					17			2	10	55
				24			2	25	18			1	10	56
		4	3	25			1	25	19			2	10	57
		4	5	26			2	25	20					58
		3	5	27					21					59
		1	10	28			1	25	22.5			2	10	60
				29					23			1	10	61
				30			2	25	24			2	10	62
				31					25			1	10	63
		2	10	32			3	25	26			2	10	64
		4	10	33					27			1	10	65
		3	15	34			5	28	28			2	10	66
		2	15	35.5					29			1	10	67
		1	5	82.5			3	28	30					68
		3	10	85					31					69
		1	10	86					32					70
		2	10	87					33					71
				88.5					34					72
		1	10	89.5			5	25	35					73
		3	10	91			9	25	36					74
							6	26	37					75
0.1	0	0	0	1	2	25			38					
0.1	0.1	0	0	1	1	25			39.5					
		2	25	2	1	10			40					
				3					41					
				4					42					
				5.5					43.5					
		1	10	6	1	5			44					
		2	10	7	2	5			45					
				8					46					

Notes:

Location: CO		Date: 26250225									
Site: PLAST		Time: 1636									
Pit: PLAST20250225		Observers: Eric Cuy									
X-Coord	Y-Coord	Time	Data Type	SN	Profile #	Force Gage	Force max N	Depth manual cm	Depth digital cm	Grnd Y/N	Comments
0	30	1636	STD PAUL	1636				41			
30	11	1642	Vib Ram	1642				15			
0	60	1657	Score	151	419			40	80		Acid
30		1658			1000			80	74		
60		1658			1001			82	78		
90		1659			1002			81	82		
120	11	1700			1003			44	75		
0	30	1702	Score Ram			1000	93	26			
30		1702					92	75			
60		1703					93	75			
90		1704					95	75			
120	11	1704					84	76			
0	30	1707	Score	151	1005	50	39.25	70	63		TOWARDS
30		1709			1008		40.5	72	72		
60		1710			1010		22.95	69	61		
90		1710			1011		42.7	71	65		
120	11	1711			1012		33.6	73	70		