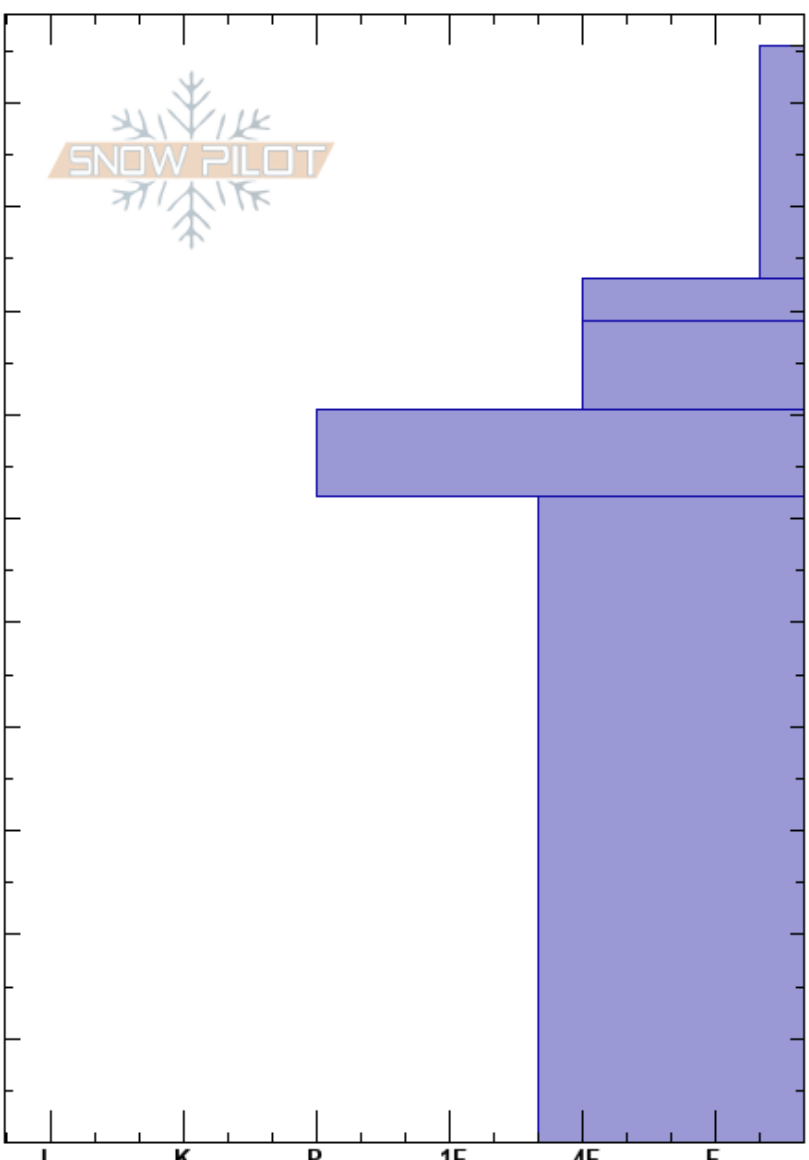


Lab03\_Updated  
 Bridger Range  
 MT  
 Elevation: 2329 m  
 Aspect: 30°  
 Specifics: Ski tracks on slope

Richard Panuschka  
 02/03/2017 - 2:15pm  
 Co-ord: 45.83396N, -110.92814W  
 Slope Angle: 24°  
 Wind Loading:

Stability: **HS: 105.5**  
 Air Temperature: -1°C  
 Sky Cover: OVC  
 Precipitation: NO  
 Wind: Calm

105.5-83cm: SWE: 20mm  
 83-79cm: SWE: 9.6mm  
 79-70.5cm: SWE: 25mm  
 70.5-62cm: SWE: 31mm  
 62-0cm: SWE: 190mm



Crystal Form	Crystal Size	Moisture	$\rho$ kg/m <sup>3</sup>	Stability tests & Layer comments
/	1	D	90	105.5-83cm: SWE: 20mm
☐	2	D	240	← CT18, Q2 @81cm
⊖	1	D	290	83-79cm: SWE: 9.6mm ← CT16, Q3 @75cm ← SB40, Q2 @75cm
☐	0.5	D	360	← SB50, Q2 @75cm ← STM @72cm Q2 ← STM @70cm Q2 ← RB5, Q2 @70cm ← SB20, Q3 @60cm ← CT27, Q2 @58cm ← CT21, Q2 @53cm
☐	2	D	300	← STM @37cm Q3 ← STM @35cm Q3 62-0cm: SWE: 190mm
				← CT21, Q3 @11cm
				← SB40, Q2 @0.5cm

**Notes:** Rutschblock Test caused a non-planar block movement  
 Ski Penetration Test: 30cm, Boot Penetration Test: 90cm, Pole Penetration Test: Soft, new snow on hard crust with facets beneath.  
 Shovel Shear Tests: did not test for shear strength, so all scores were listed as "moderate"