**2018/2019 WINTER STORM #13**

**2018-19 Winter Storm #13: Feb 3, 2019**

**Senator Beck Basin Study Area, at Red Mountain Pass, CO**

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**Storm Summary Statistics:**

*Storm precip began* between 0100 – 0200 hrs MST Sunday, February 3, 2019 (DOY 34)

*Storm precipitation ended:* 1600 hrs MST Sunday, February 3, 2019 (DOY 34)

*Storm duration* = 16 hrs

*Storm total water content at SASP* = 16 mm (0.6 inches)

*Mean precip intensity:* 1 mm/hr

*Max precip intensity:* 3 mm/hour on multiple occasions

*Max gain in snow depth at SASP* = 14.2 cm (5.6 inches)

*Max gain in snow depth at SBSP* (wind affected) = 16.2 cm (6.4 inches)

*Peak gust at PTSP at:* 800 hrs MST Sunday, February 3, 2019 (DOY 34)

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**Storm Wind Rose (Putney Study Plot data)**

CSAS Putney Study Plot 12,323 ft.

*No. of hours:* 16  
*From hour ending:* Feb 03, 2019 0100 MST  
*No. of missing hours:* 0  
*To:* Feb 03, 2019 1600 MST  

*Avg. wind dir:* 209  
*Avg. wind spd:* 26.9 mph  
*Peak gust:* 58.5 mph

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*Average Hourly Wind Speed (mph)*

*0.0%*  
*5%*  
*10%*  
*15%*  
*20%*  
*25%*  
*30%*  
*35%*  
*40%*  
*45%*  
*50%*  

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*Hours of data used:* 16  
*Calculated by:* Putney Study Plot

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*Average wind rose data:*  
*NOAA National Weather Service, Boulder, CO*