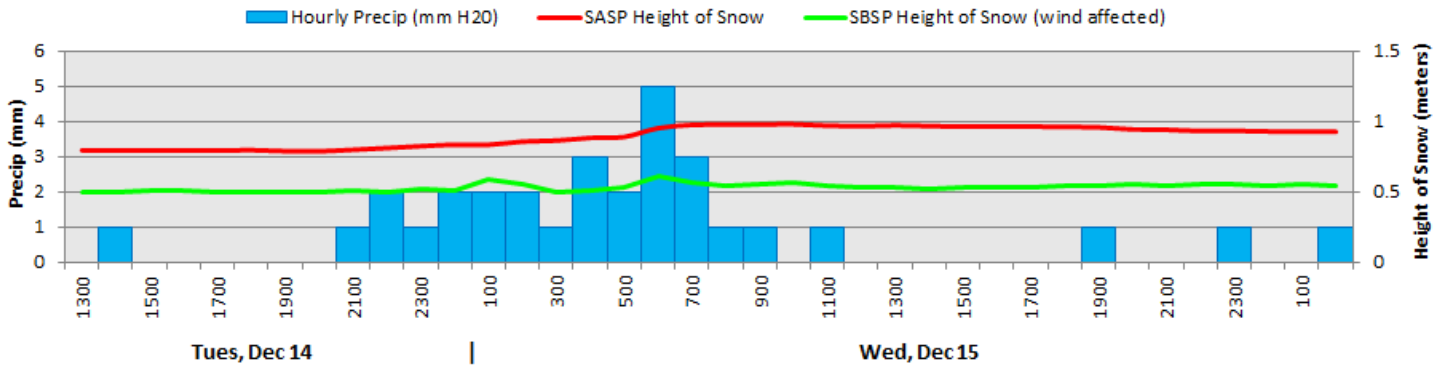


# 2021/2022 WINTER STORM #3

2021-2022 Winter Storm #3: Dec 14-16, 2021

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



## Storm Summary Statistics:

Storm precip began between 1200 – 1300 hrs MST Tuesday, December 14, 2021 (DOY 348)

Storm precipitation ended: 0100 hrs MST Thursday, December 16, 2021 (DOY 350)

Storm duration = 38 hrs

Storm total water content at SASP = 31 mm (1.2 inches)

Mean precip intensity: 0.82 mm/hr

Max precip intensity: 5 mm/hour, on Wednesday, December 15, 2021 at 0500 hrs MST

Max gain in snow depth at SASP = 13.1 cm (5.2 inches)

Max gain in snow depth at SBSP (wind affected) = 5.3 cm (2.1 inches)

Peak gust at PTSP at: 106.5 mph at 0349 hrs MST Thursday, December 15, 2021 (DOY 349)

## Storm Wind Rose (Putney Study Plot data):

CSAS Putney Study Plot 12,323 ft.

No. of hours: 38  
No. of missing hours: 0

From hour ending: Dec 14, 2021 1200 MST  
To: Dec 16, 2021 0100 MST

Avg. wind dir: 214  
Avg. wind spd: 29.8 mph  
Peak gust: 106.5 mph

