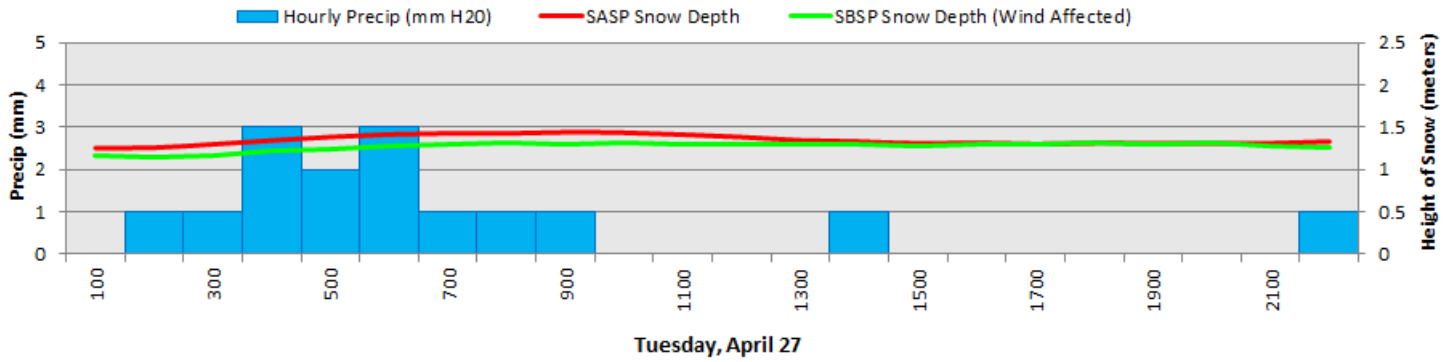


2020/2021 WINTER STORM #16

2020-2021 Winter Storm #16: April 27, 2021

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



Storm Summary Statistics:

Storm precip began between 100 – 200 hrs MST Tuesday, April 27, 2021 (DOY 117)

Storm precipitation ended: 2200 hrs MST Tuesday, April 27, 2021 (DOY 117)

Storm duration = 22 hrs

Storm total water content at SASP = 15 mm (0.6 inches)

Mean precip intensity: 0.68 mm/hr

Max precip intensity: 3 mm/hour, multiple occasions

Max gain in snow depth at SASP = 7.7 cm (3.0 inches)

Max gain in snow depth at SBSP (wind affected) = 10.2 cm (4.0 inches)

Peak gust at PTSP at: 40.6 mph at 235 hrs MST Tuesday, April 27, 2021 (DOY 117)

Storm Wind Rose (Putney Study Plot data):

CSAS Putney Study Plot 12,323 ft.

No. of hours: 22

No. of missing hours: 0

From hour ending: Apr 27, 2021 0100 MST

To: Apr 27, 2021 2200 MST

Avg. wind dir: 188

Avg. wind spd: 12.2 mph

Peak gust: 40.6 mph

