

## Explosive triggered slide at Big Sky

Big Sky Resort  
Northern Madison  
11/6/2018  
Code  
HS-ABc-R3-D2-O  
Elevation  
10901  
Aspect  
N  
Latitude  
45.27830  
Longitude  
-111.44900  
Notes

"We triggered a large avalanche in the Cirque with a 5lb. shot dangled from the Tram. The [slide](#) broke 3' deep and took out the Dobies, Cron's and part of the Ramp Shot avalanche paths. Hard [slab](#)- 1F minus generally. Storm [slab](#) from the past 8 days. The [slide](#) ran on a crust that formed from the left over snow from mid- October that got warmed in the 3<sup>rd</sup> week of October. The [weak layer](#) was just a thin layer of lower density snow trapped under the hard slabs- didn't seem to be particularly faceted. Some graupel. The crust is not very hard or slick, about 2cm thick, and crumbled easily in hand... The [slide](#) had good [propagation](#) and the crown was at least 300' long- impressive debris pile." -Big Sky Ski Patrol

Number of slides  
1  
Number caught  
0  
Number buried  
0  
Avalanche Type  
Hard slab avalanche  
Trigger  
An explosive detonated above the snow surface (air blast)  
Trigger Modifier  
c-A controlled or intentional release by the indicated trigger  
R size  
3  
D size  
2  
Bed Surface  
O - Old snow  
Slab Thickness  
36.0  
Slab Width  
300.00ft  
Weak Layer Grain type  
Precipitation Particles

Weak Layer Hardness

F+

Slab Layer Hardness

1F-

Single / Multiple / Red Flag

Multiple Avalanches

Advisory Year

[18-19](#)