

# Explosive triggered Deep Slab Avalanche at Big Sky

Big Sky Resort  
Northern Madison  
1/24/2020  
Code  
HS-ABc-R4-D4  
Latitude  
45.27600  
Longitude  
-111.43600  
Notes

A [deep slab avalanche](#) was triggered using explosives on 1/24/2020 in the North Summit Snowfield at Big Sky Resort.

From email: "The Whale came out close to 10' deep that tapered to 3' on the skiers right edge... It broke on basal facets, thin layer, 1F hard at crown (!) with very hard snow above and below the layer that failed .... It is likely that the layer that failed had some different characteristics lower in the path that avalanched away- possibly less hard."

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  
4  
D size  
4  
Slab Thickness  
100.0 inches  
Weak Layer Grain type  
Faceted Crystals  
Images  
[North Summit Snowfield Crown 2](#)  
[North Summit Snowfield Crown 1](#)  
Slab Thickness units  
inches  
Single / Multiple / Red Flag  
Single Avalanche  
Advisory Year

