Remote Triggered at Sunlight Basin (Taylor Fork)

Sunlight Basin
Southern Madison
1/27/2019
Code
SS-AFr-R2-D2-O
Elevation
9500
Aspect
SE
Aspect Range
E-SE
Latitude
44.97560
Longitude
-111.31300
Notes

We triggered these avalanches remotely, about 50 feet above the crown up on the ridge. Each crown was 1-2' deep, 100' wide, and both slides ran between 200 and 300 vertical feet through trees and cliffs. The slides failed on a 40 cm thick layer of depth hoar, which composed half of the snowpack. Photo: GNFAC

Multiple Avalanches
Number of slides
2
Number caught
0
Number buried
0
Number killed
0
Avalanche Type
Soft slab avalanche
Trigger
Foot penetration
Trigger Modifier
r-A remote avalanche released by the indicated trigger
R size
2
D size
2
Bed Surface
O - Old snow
Problem Type
Persistent Weak Layer
Slab Thickness
18.0 centimeters
Vertical Fall

300ft
Slab Width
100.00ft
Weak Layer Grain type
Large striated crystals
Weak Layer grain size
4.00mm
Weak Layer Hardness
F-
Slab Layer Grain Type
Decomposing and Fragmented precipitation particles
Slab Layer Hardness
F+
Images
Sunlight Basin Avalanche (3)
Sunlight Basin Avalanche (2)
Sunlight Basin Avalanche (1)
Attached Videos
Remotely Triggered Avalanche, Taylor Fork - 27 Jan 2019
Slab Thickness units
centimeters
Single / Multiple / Red Flag
Multiple Avalanches
Advisory Year
18-19