Todorka Peak Snowpit Kalin Markov

Pirin

03/02/2022 - 16:50 Bulgaria Co-ord: 41.75708N, 23.43439E

Elevation: 2535 m Slope Angle: 32°

Aspect: E Wind Loading: previous

Precipitation: S-1

Stability: Poor

Sky Cover: X Wind: NW Calm

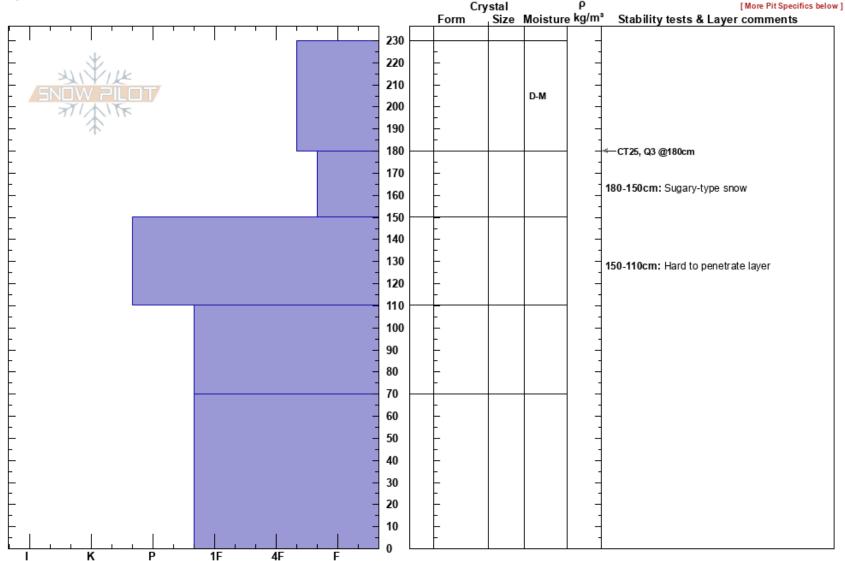
Air Temperature: -11.7°C

180-150cm: Sugary-type snow 180-150cm: Problematic layer 150-110cm: Hard to penetrate layer

Layer Notes:

**HS**:230

Specifics: Pit dug in a Ski Area; Pit is representative of backcountry; Collapsing, localized; Recent avalanche activity on similar slopes; We skied slope



Notes: Very light snowfall at times during the snowpit profile, on and off fog, almost no wind

Wind loading from the storm from the day before, none during the day of the test

The compression test shows relatively stable snowpack conditions on slopes of similar steepness and aspect, despite a lot of spontaneous and human triggered avalanches from the day before.

The likely reason for this is that the snow has had some time to settle and create a stronger bond with the sugary layer below it. However, the sugary layer below still needs to be watched as at some point later in the season it can be "triggered" and create large avalanches.

The new snow - about 50cm - does not slide on the sugary layer below it during the test. Instead, it breaks up starting from about CT25 to the end of the test at CT30.

Additional Pit Specifics: Recent avalanche activity on different slopes