

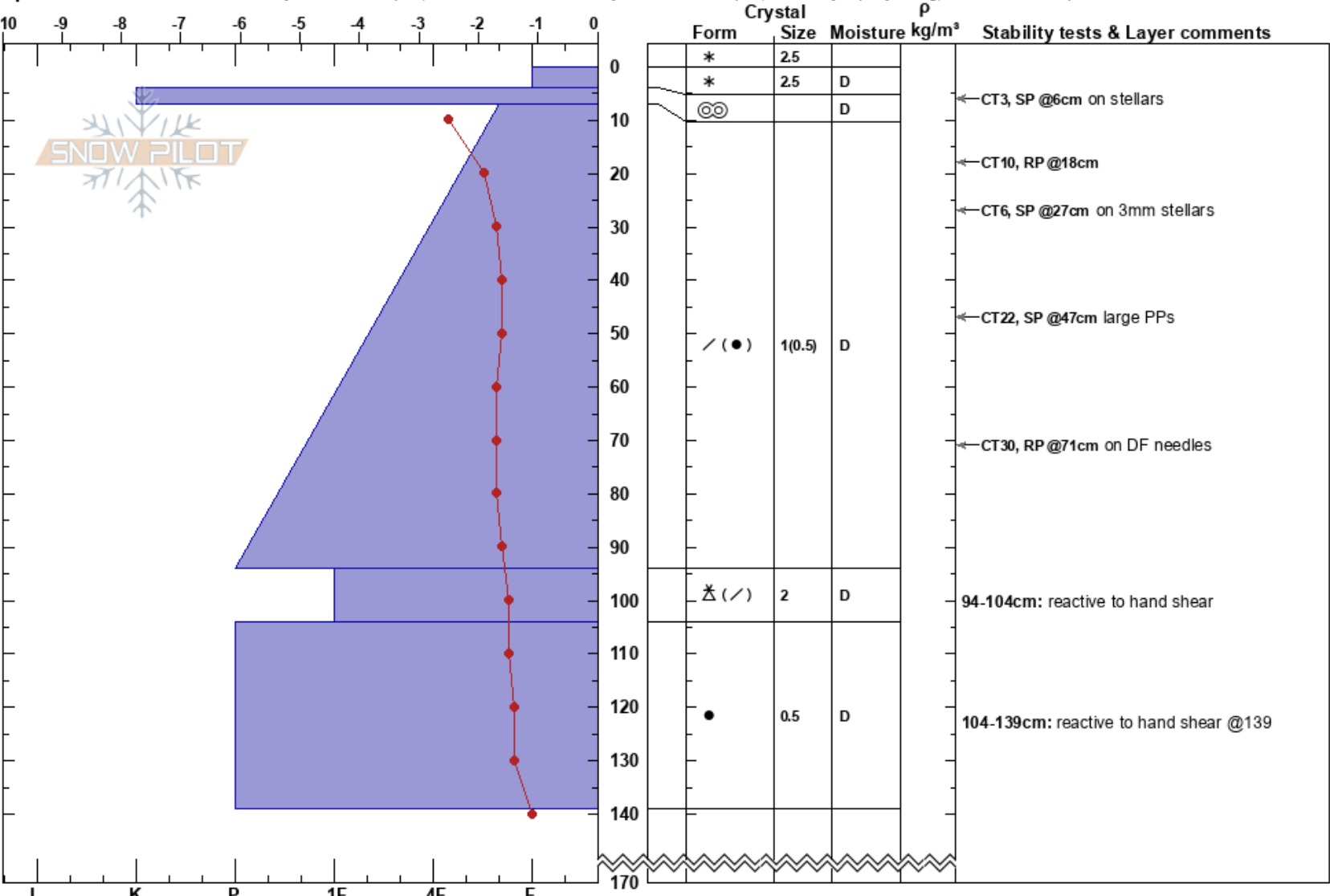
Promise Land entry
Pirin
Bulgaria
Elevation: 2544 m
Aspect: NW

Alexander Mihaylov
11/03/2020 - 11:30
Co-ord: 41.75716N, 23.43392E
Slope Angle: 25°
Wind Loading:

Stability: Very Poor
Air Temperature: -2°C
Sky Cover: SCT
Precipitation: NO
Wind: Calm

HS:170
PF:55
Layer Notes:
94-104cm: reactive to hand shear
104-139cm: reactive to hand shear @139

Specifics: Recent avalanche activity on similar slopes; Recent avalanche activity on different slopes; Instability rapidly rising; Ski tracks on slope



Notes: First day after the heaviest storm of the season for the area: 110+ cm over 48 h.

Warming temperature trends.

Widespread natural avalanche cycle with large avalanches (sizes 2-4) on all aspects, both loose and slabs, some of which 100 cm deep and running full path.

The location of the profile was chosen as to explore the snowpack in potential trigger zone of avalanches on the easily accessible W-NW slopes of Todorka to Banderitsa chutes and the so called Promise Land.

The results showed that the new snow has been falling at different temperatures and with different intensity and displays TOUCHY slab properties at multiple depths. On top of that, the whole new storm snow (110+) is sitting on top of a hard ice layer.