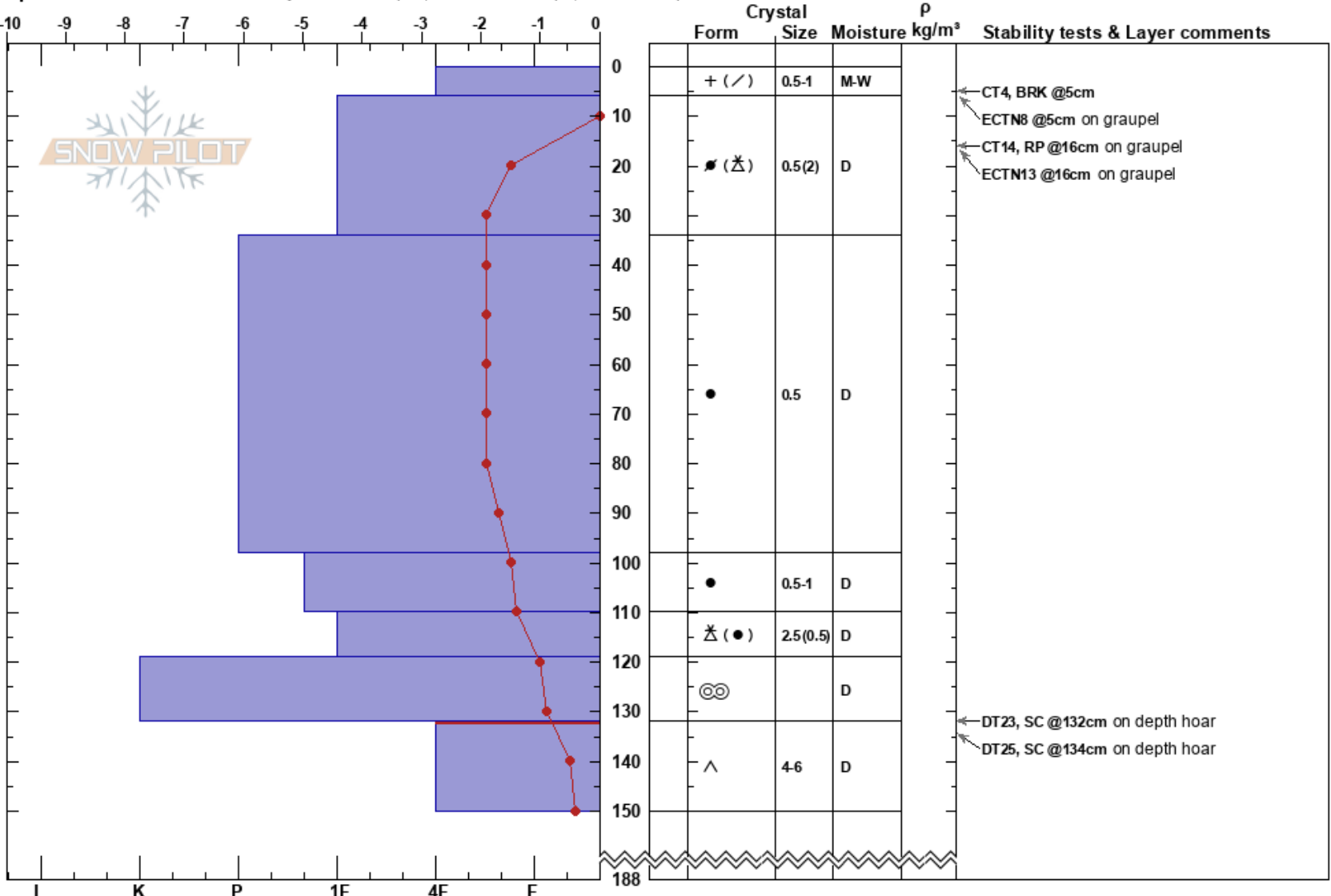


Lower Todorka North
 Pirin
 Bulgaria
 Elevation: 2550 m
 Aspect: NE
 Specifics: Recent avalanche activity on similar slopes; Ski tracks on slope; We skied slope

Alexander Mihaylov
 05/03/2020 - 13:50
 Co-ord: 41.75359N, 23.43500E
 Slope Angle: 32°
 Wind Loading: no

Stability: Good
 Air Temperature: -0.3°C
 Sky Cover: BKN
 Precipitation: NO
 Wind: Calm

HS: 188
 Layer Notes:
 0-6cm: graupel interface (2-3)
 132-150cm: Problematic layer



Notes: Our aim was to see how the snowpack is developing after 2 significant weather events: rapid warming and the new snowfall of about 20 cm from the previous 24 h. We dug a profile at the same place just a week ago.

Surprisingly the snowpack looks much better than 7 days ago when we dug a profile at that exact location. The concerning layers from the upper and middle part of the snowpack have transformed and rounded.

The only concern is the basal layers which comprise of huge depth hoar crystals with no bonding sitting under a 13 cm crust that is transforming and not so strong anymore.

Although deeper than 1m, at shallower spots this combination might be triggered.