

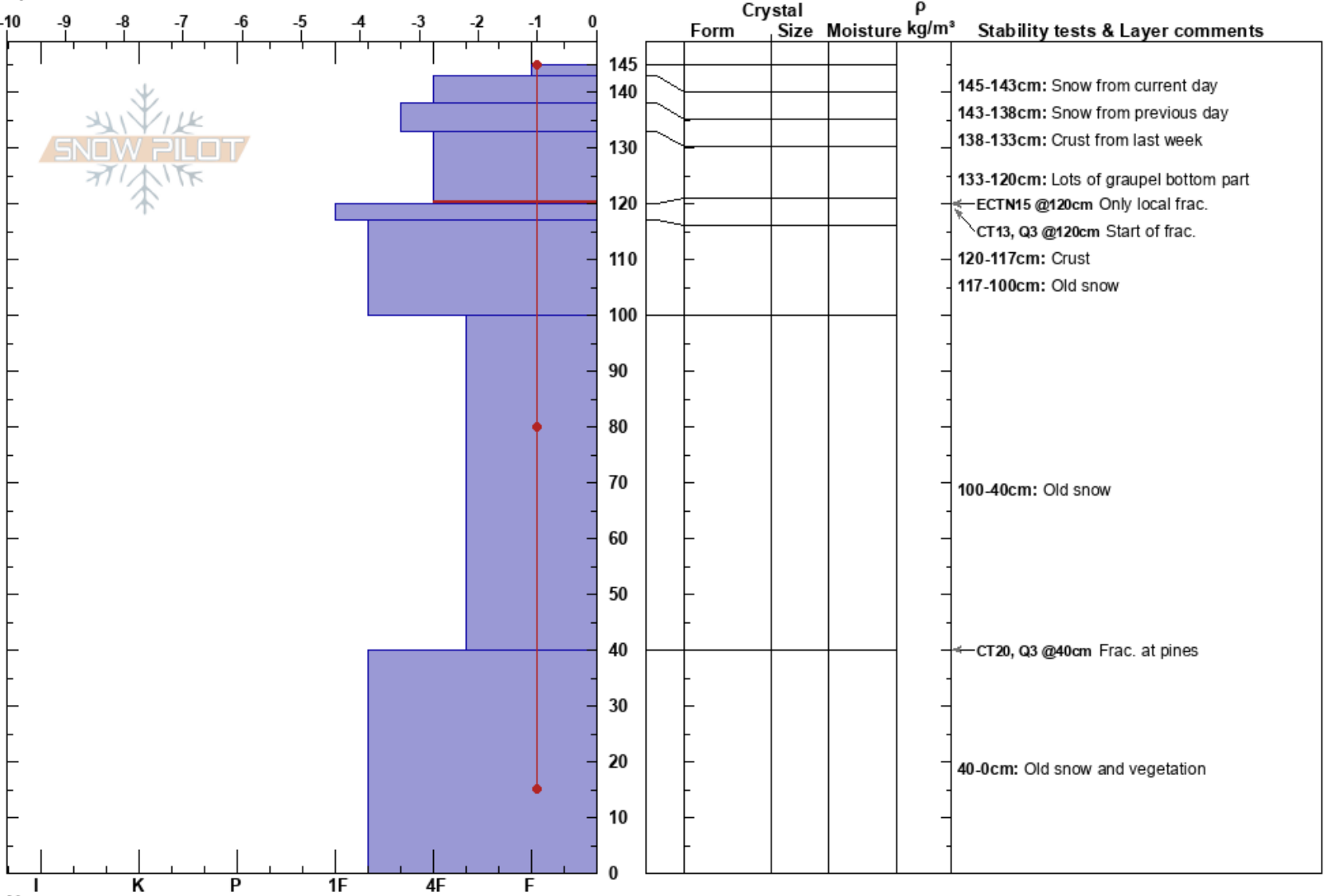
Kartala Snpwit  
 Rila  
 Bulgaria  
 Elevation: 2095 m  
 Aspect: NE

Kalin Markov  
 05/03/2023 - 17:00  
 Co-ord: 42.02544N, 23.35672E  
 Slope Angle: 30°  
 Wind Loading: no

Stability: Good  
 Air Temperature: -3.5°C  
 Sky Cover: OVC  
 Precipitation: NO  
 Wind: Calm

HS:145  
 Layer Notes:  
 145-143cm: Snow from current day  
 143-138cm: Snow from previous day  
 138-133cm: Crust from last week  
 133-120cm: Lots of graupel bottom part  
 133-120cm: Problematic layer  
 [More Layer Comments below]

Specifics: Pit dug in a Ski Area; Pit is representative of backcountry; Ski tracks on slope; We skied slope



Notes: Generally stable conditions at the moment but a very problematic layer with lots of graupel (especially at the bottom part of that layer) is present, and there is a crust just below that.

Both the CT and the ECT react at that location, but not quickly and after the initial fracture, the breakup of the snow is slow and progressive, without any smooth and sudden sliding at this location (Q3). There is no fracture across the entire column during the ECT.

Also, the amount of snow above this layer is not a lot, so any slide on top of it will likely not be very large.

If a large amount of snow falls and weighs a lot on top of the problematic layer, we could have a very nasty scenario with dangerous conditions and the potential for large avalanches. Additional Layer Comments: 117-120cm: Crust; 100-117cm: Old snow; 40-100cm: Old snow; 0-40cm: Old snow and vegetation;