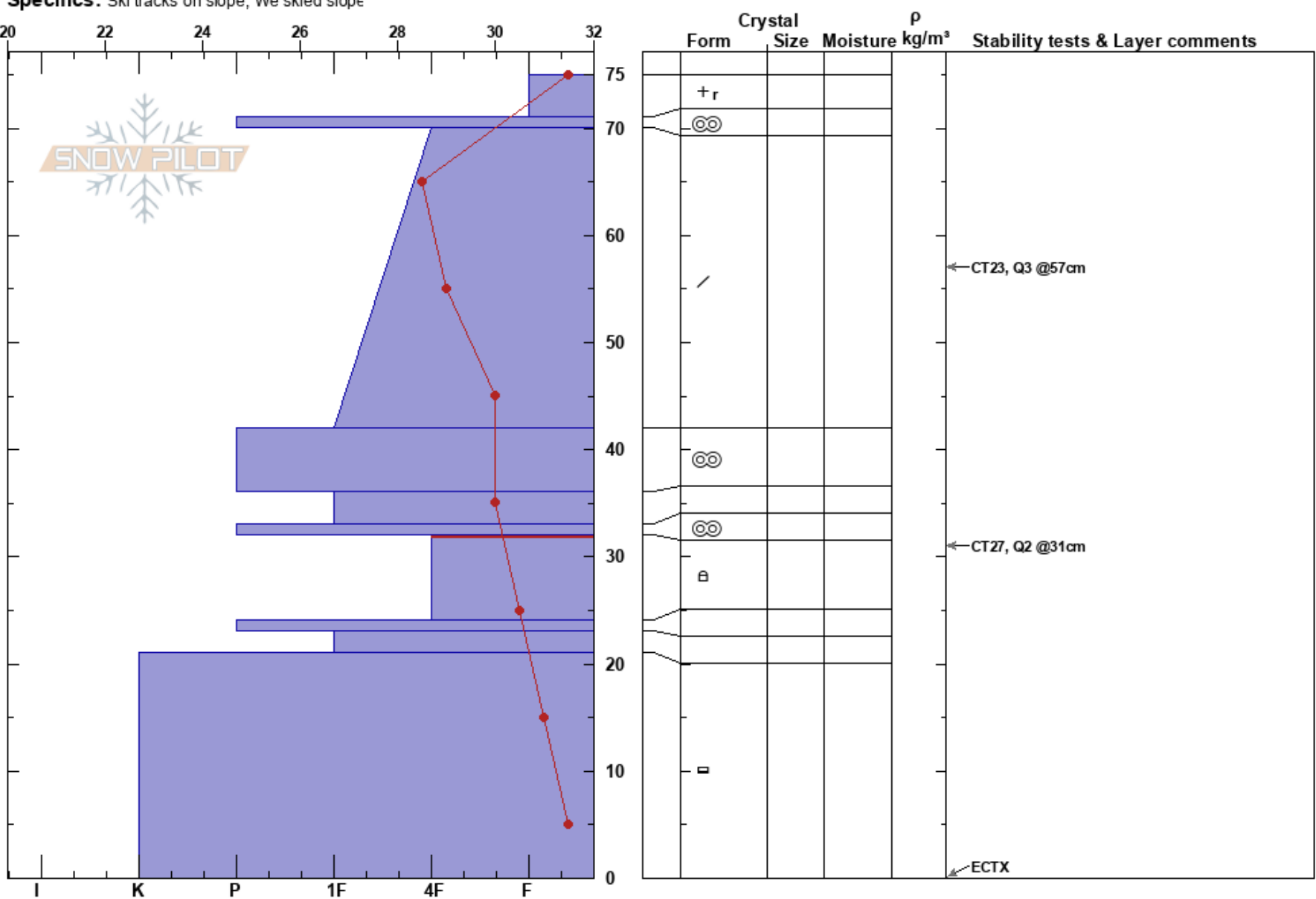


Casaval Ridge, NTL
 Mt. Shasta
 CA
Elevation: 8005 ft
Aspect: 140°
Specifics: Ski tracks on slope; We skied slope

Nick Meyers
 01/02/2021 - 12:45pm
Co-ord: 41.37410N, -122.22908W
Slope Angle: 17°
Wind Loading: no

Stability: Very Good
Air Temperature: 32°F
Sky Cover: OVC
Precipitation: NO
Wind: W Light Breeze

HS: 75
PF: 20 32-24cm: Problematic layer
PS: 10



Notes: Last night (Jan. 1), 1-2 inches of new snow fell (.1" SWE). The new snow fell on top of a zipper crust formed by a warm day and subsequent nighttime freezing. Below the crust, nearly a foot of fist (F) to four finger (4F) hardness snow exists, resting on several old crusts to the ground. Total snow height was 29.5 inches. We dug a pit on the southeast flank of Casaval Ridge, near treeline. A weak layer of snow was found 18 in / 45 cm down from the surface. This 4F layer was stubborn to unreactive during compression and extended column tests.

While Gray Butte weather station (8,000 feet) reported moderate westerly winds all day, it was surprisingly calm at our location, perhaps because we were in the lee of the ridge, down lower in Avalanche Gulch. A few folks above us made it higher and also reported mellow winds.