

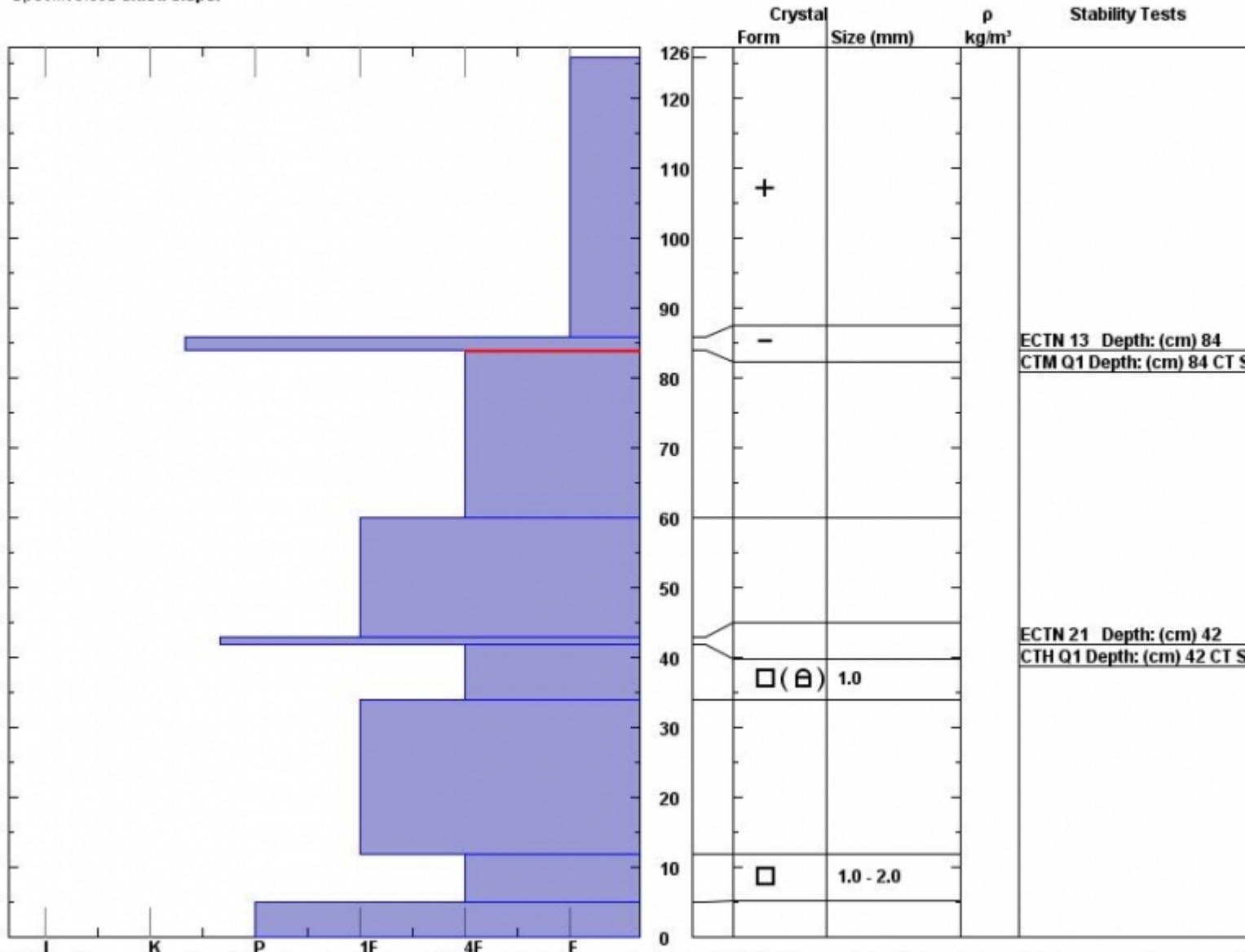
Snow Pit Profile
Palace Butte-Hyalite
Gallatin, MT
 Elevation (ft) **9660**
 Aspect: **140**
 Specifics: **We skied slope.**

Observer: **Mark Staples**
Thu Dec 22 12:00:00 MST 2011
 Co-ord: **45.41837 N 110.97996 W**
 Slope: **26**
 Wind loading: **no**

Stability on similar slopes:
 Air Temperature: **C**
 Sky Cover: **Clear**
 Precipitation:
 Wind:

Stability Test Notes:

Layer notes:
60-84: Pro
faceting u



ECTN 13 Depth: (cm) 84
 CTM Q1 Depth: (cm) 84 CT S
 ECTN 21 Depth: (cm) 42
 CTH Q1 Depth: (cm) 42 CT S

Notes: Storm on previous day delivered 0.8 inches SWE in valley below, easily 1 inch of SWE higher and the first major load of the season. I was surprised to get NO collapsing and could only see 1 nat. avalanche from atop Palace Butte. Stability tests were unreactive given the recent load. Nearby pit by Armitage got similar test results. NSF's just under the 86-84 crust. Wind needed to stiffen the new snow for ava's at 84cm.

Advisory Region
 Northern Gallatin
 Longitude
 -110.98W
 Latitude
 45.42N

Forecast link: [GNFAC Avalanche Advisory for Fri Dec 23, 2011](#)
 Northern Gallatin, 2011-12-23