



DANGER PATTERNS (DP): [dp.6 - loose snow and wind](#) [dp.4 - cold following warm / warm following cold](#) [dp.3 - rain](#)

## Considerable danger above 2100 m in western regions

### AVALANCHE DANGER

Avalanche danger has increased due to fresh snow and strong wind. In western regions of Tirol above 2100 m danger is considerable, in the other regions danger is mostly moderate. Caution is urged particularly towards fresh and older snowdrift accumulations. Fresh drifts can be triggered even by minimum additional loading in shady, very steep terrain above 2100 m. Older snowdrift accumulations are generally triggerable by large additional loading either in shady ridgeline terrain above 2100 m or on east-south-west facing slopes above 2500 m. West and east-facing slopes are the most trigger-sensitive, but with ascending altitude also south-facing slopes. As weather conditions improve during the day and solar radiation intensifies, the tendency for avalanches to trigger also increases. In the areas where recent snowfall has been heaviest, small-sized loosely-packed avalanches can be expected, also naturally triggering releases. Furthermore, where there has been rain impact, moist loose-snow slides can trigger in extremely steep terrain. The risks of gliding avalanches must also be taken into consideration.

### SNOW LAYERING

Over the last 24 hours there has been precipitation in Tirol, as rain at low altitudes, further up as snow. Up to 20 cm of fresh snow was registered in western regions, less in the eastern and southern regions. What is decisive for avalanche danger is the strong westerly wind. Snow transport is the consequence. A weak layer for the freshly formed snowdrift accumulations is found in the powder on shady slopes. The weakness for older snowdrifts is found in the layer of metamorphosed (facetted) crystals near crusts above 2500 m, in isolated cases also the surface hoar near ridgelines on shady slopes (Nigg effect) above 2100 m.

### ALPINE WEATHER FORECAST (ZAMG-WEATHER SERVICE INNSBRUCK)

Swiftly shifting conditions in the mountains: the nocturnal snow showers will come to an end, the next part of the day will remain dry, visibility should improve. Not much sunshine is anticipated. This evening in Ausserfern, showers will recommence, as snowfall above 1800 m. At 2000 m: -3 to +1 degree; at 3000 m, -8 to -5 degrees. Strong to stormy W/SW winds at high altitude.

### SHORT TERM DEVELOPMENT

No significant change.

Patrick Nairz

Translated by Jeffrey McCabe