



**DANGER PATTERNS (DP):** [dp.6 - loose snow and wind](#) [dp.4 - cold following warm / warm following cold](#) [dp.2 - gliding snow](#)

**Predominantly moderate danger. Small drifts are quite prone to triggering.**

### AVALANCHE DANGER

Avalanche danger currently depends on altitude. Above 1800 m, danger is moderate; below 1800 m, danger is low. Highest caution is urged towards the fresh or recently formed snowdrift accumulations. They occur esp. in shady, steep terrain, also near ridgelines at high altitude. The number of avalanche prone locations tends to increase with ascending altitude. The drifted masses are generally small, but often highly prone to triggering. Frequently, the weight of one sole skier is enough to trigger a slab avalanche. The advantage is: with experience the danger zones can be spotted and circumvented. Isolated avalanche prone locations are also found in older snowdrift accumulations on SW-S-SE facing slopes above 2600 m. Despite the low temperatures, the risks of gliding avalanches also require caution on steep, grassy slopes.

### SNOW LAYERING

Due to the cold, the snowpack surface is metamorphosing. This has a positive effect and a negative effect on avalanche dangers: negative in shady terrain, where the snowpack surface has fuzzy, faceted crystals which can form a pronounced weak layer for drifts which are deposited on top of it. Positive in sunny terrain where the proneness to triggering of the faceted crystals near melt-freeze crusts has receded somewhat. Older snowdrift accumulations are losing their firmness, which decreases the chances of fracture propagation. Solar radiation will moisten the snowpack, despite the low temperatures.

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

The high altitude winds are shifting to southwesterly, temperatures will thereby rise measurably during the course of the day. On both flanks of the Alps it will be quite sunny this morning. This afternoon, high altitude cloudbanks will move in from the southwest, creating diffuse light conditions. At 2000 m: from -21 to -13 degrees; at 3000 m: from -24 to -16 degrees. Light to moderate SW winds at high altitude.

### SHORT TERM DEVELOPMENT

New snow transport by intensifying southerly winds.

Patrick Nairz

Translated by Jeffrey McCabe