



**DANGER PATTERNS (DP):** [dp.1 - deep persistent weak layer](#) [dp.6 - loose snow and wind](#) [dp.3 - rain](#)

## Noticeable rise in avalanche danger today due to precipitation and wind

### AVALANCHE DANGER

This morning moderate danger still prevails widespread. Danger will increase swiftly to considerable from west to east as a warm front moves in. The cause: rainfall, snowfall, strong winds. At high altitudes, heightened caution is required towards the newly formed snowdrifts. Further, the additional weight of the new fallen snow (up to 50 cm) atop the snowpack will have negative impact on the weak ground-level layers. This is particularly the case in the Arlberg and Ausserfern regions, the western parts of the Northern Alps, the Zillertal Alps and East Tirolean Tauern. There, particularly on very steep, north-facing slopes above 2200m, avalanches can trigger naturally during the night which then grow to medium size. In addition, rain will deteriorate the snowpack at low and intermediate altitudes. Due to the small amounts of snowfall, snowslides and sluffs, rather than full-blown avalanches, are more likely on steep, grass-covered slopes.

### SNOW LAYERING

The snowpack up to 2000m is superficially moist in all aspects. Above that altitude on sunny slopes there is frequently a melt-freeze crust, on shady slopes powder, in high alpine regions a wind-impacted surface. Ground-level layers are weak and on shady slopes where the forecast snowfall proves heavy, can fracture. Elsewhere, the fresh drifts forming at the start of the day on shady slopes at high altitudes can be triggered as the day unfolds in other aspects as well above 2000 m.

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

Inhospitable conditions in the mountains. From the Northern Alps precipitation will spread during the morning. This will be rainfall up to intermediate altitude, above that some snowfall. The driest phases can be expected in the Wipp Valley mountains and on the Main Alpine Ridge west of the Brenner. Particularly in the Northern Alps there will be much fog. Furthermore, winds will remain strong. Between Ortler, Dolomites and Carnic Alps conditions will be more pleasant, nonetheless windy. Temperature at 2000m: -1 to +2 degrees; at 3000m: -7 to -3 degrees. Strong NW winds, stormy at high altitudes.

### SHORT TERM DEVELOPMENT

As the warm front recedes, the diffuse solar radiation and high temperatures will have unfavourable effects on the overall situation.

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Translated by Jeffrey McCabe