



DANGER PATTERNS (DP): [dp.6 - loose snow and wind](#) [dp.1 - deep persistent weak layer](#) [dp.9 - graupel blanketed with snow](#)

Critical situation - widespread rise of avalanche danger to level 4!

AVALANCHE DANGER

The avalanche situation in Tirol is critical and is intensifying still further. Above 1800m, high avalanche danger widespread. Fresh and older snowdrift accumulations are highly prone to triggering, can be released by minimum additional loading. Those avalanches which release can fracture down deep in the old snowpack and grow to dangerously large size. Over the course of the day, increasingly frequent naturally triggered avalanches (loose-snow and slab) can be expected. Below 1800m wet-snow avalanches are possible. Caution: since avalanches can grow to large size, exposed transportation routes are also at risk. The situation in outlying terrain is critical. We recommend avoiding all backcountry skiing and freeriding tours.

SNOW LAYERING

Over the last 24 hours there has been 20-30 cm of new fallen snow registered in North Tirol and on the East Tirolean Tauern Ridge, more from place to place. The snowfall level fluctuated between 1300 and 1600m. The W/NW winds were strong-to-stormy, thus massively transporting the fresh fallen snow. The snowdrift accumulations are wide-ranging, large-sized and poorly bonded with the snowpack surface, making them very prone to triggering. This trigger-sensitivity was amply demonstrated yesterday through numerous avalanches. Below 1800m the snowpack is thoroughly wet and deteriorating further due to the rainfall. Attention: particularly in the Arlberg/Ausserfern region, Northern Alps, North Tirolean lowlands and on the Tauern Ridge, the critical mass of fresh fallen snow can be reached and exceeded, i.e. more than a meter of snow is possible.

ALPINE WEATHER FORECAST (ZAMG-WEATHER SERVICE INNSBRUCK)

Weather: on a powerful NW air current, mild and very moist air masses are being shoveled towards Tirol. Mountain weather today: the peaks are shrouded in cloud, rainfall/snowfall is heavy and will persistent (snowfall level: 1300m on the northern rim of the Alps, 1800m on the Main Alpine Ridge). The largest amounts of new fallen snow will be in the Arlberg region and the Northern Alps. The Lienz Dolomites will get only a little and visibility be better there. Temperature at 2000m: -1 degree; at 3000m: -6 degrees. Stormy W/NW winds at high altitude.

SHORT TERM DEVELOPMENT

The critical situation will persist, high danger widespread

Rudi Mair

Translated by Jeffrey McCabe