



DANGER PATTERNS (DP): [dp.6 - loose snow and wind](#) [dp.4 - cold following warm / warm following cold](#) [dp.1 - deep persistent weak layer](#)

Treacherous situation in regions where recent snowfall was heaviest

AVALANCHE DANGER

Above the treeline considerable danger prevails in many places; below that altitude, generally low danger. The main peril stems from recently formed snowdrift accumulations, whose size and frequency increase with ascending altitude. Avalanche prone locations are found primarily in very steep, drifted gullies and bowls, as well as in general in ridgeline terrain. Increased caution is urged in the regions where recent snowfall was heaviest, e.g. southern Stubai Alps, Zillertal Alps, East Tirolean Tauern and southern East Tirol. In those regions, storm-strength winds accompanied the 20-40 cm of fresh fallen snow, transported it and deposited it on top of layers which were themselves prone to triggering, particularly on NW-N-E facing slopes at 2400-2800m. Avalanches which are triggered can often grow to dangerously large size for backcountry skiers and freeriders. As the expected solar radiation makes its effects felt, moist snowslides will also release in steep terrain.

SNOW LAYERING

Since yesterday afternoon there has been snowfall in Tirol, most of which fell in the regions along the Main Alpine Ridge and in southern East Tirol (20-40 cm). In Ausserfern and Arlberg there was generally 20 cm; in the remaining regions of Tirol about 10 cm. The precipitation was accompanied by strong-to-stormy winds, initially southerly, then shifting to westerly. Thus, massive amounts of fresh fallen snow were transported at high altitude. The now blanketed powder snow is a potentially weak layer for the drifts deposited on top of it, especially at high altitude. In addition, stability tests show a high degree of trigger sensitivity from weak layers in the old snow above 2400m, particularly on NW-N-E facing slopes.

ALPINE WEATHER FORECAST (ZAMG-WEATHER SERVICE INNSBRUCK)

Variable weather conditions: colder than yesterday, snow showers primarily in the Upper Inn Valley regions of North Tirol and along the Northern Alps. Bright intervals will punctuate the precipitation. It will soon turn quite sunny in inneralpine regions, although residual fog will be tenacious. On the southern flank of the Alps away from the Main Ridge, sunny and fog-free as northerly winds arise. At 2000m: -3 degrees and rising; at 3000m: -10 degrees and rising. Brisk W/NW winds.

SHORT TERM DEVELOPMENT

Situation will improve incrementally

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Translated by Jeffrey McCabe