



Regional Avalanche Danger Levels in alpine areas from 03.02.2015 07:30 <span style="color: red;">All-Day</span>		WHAT? problem	WHERE? danger spots
		<p>drifting snow</p>	<p>2000m</p> <p>fresh-formed</p>
		<p>persistent weak layer</p>	<p>2000m</p> <p>south of the Inn</p>
<p>General Level Tirol</p>		<p>Tendency tomorrow</p> <p>constant</p>	

**DANGER PATTERNS (DP):** [dp.6 - loose snow and wind](#) [dp.7 - snow-poor zones in snow-rich surrounding](#) [dp.1 - deep persistent weak layer](#)

## Above 2000m, considerable avalanche danger widespread

### AVALANCHE DANGER

Avalanche danger in Tirol's backcountry touring regions remains considerable over widespread areas above approximately 2000m. The major peril stems from freshly formed snowdrift accumulations which, due to persistently low temperatures, are brittle and thus, can trigger an avalanche even by minimum additional loading (the weight of one sole skier). Avalanche prone locations are found on wind-loaded slopes in all aspects. Also the transitions from shallow to deep snow need to be evaluated with heightened caution. Backcountry sports require much experience in evaluating avalanche hazards from spot to spot.

### SNOW LAYERING

Westerly to northwesterly winds were blowing at moderate to brisk velocity at high altitudes yesterday. The latest round of snowfall, which as a result of low temperatures is extremely light, was whipped up and transported once again. Freshly formed and older snowdrift accumulations have frequently been deposited on an old snow cover which is itself prone to triggering, it can easily release. A further threat lies at the borderline between the loose-lying new fallen snow and the snowdrift which was deposited on top of it. In addition, in the regions south of the Inn the old snowpack itself is very unfavourably structured. Between hardened crusts embedded inside the snowpack often lurk layers of loose, faceted snow crystals.

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

Weather: A powerful weather system including several small-sized lows is determining the weather conditions over large parts of Europe. Today, relatively dry air masses will create pleasant conditions. A partial low over the Mediterranean is strengthening and will be the major determinant of weather in the Alps tomorrow. Mountain weather today: dry, cold conditions for snow sports, the intense cold feeling sharper due to winds. Light cloud or clear skies to start with. High altitude clouds moving in from the southwest will impede the sun increasingly during the day, visibility will be diffuse but adequate. No fog. Temperature at 2000m, -9 degrees; at 3000m, -17 degrees. Moderate southwesterly winds at high altitude, brisk to strong in the Tux Alps.

### SHORT TERM DEVELOPMENT

No significant change in the avalanche scenario

Rudi Mair

Translated by Jeffrey McCabe