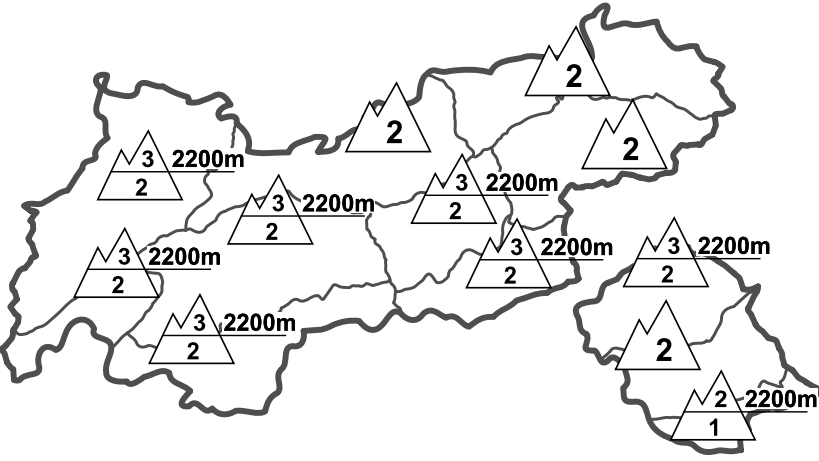

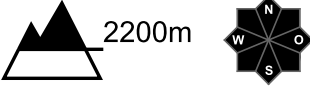






Regional Avalanche Danger Levels in alpine areas from 10.03.2018 07:30 All-Day		WHAT? problem	WHERE? danger spots
		 drifting snow	 2200m fresh, trigger-sensitive
		General Level Tirol 	Tendency tomorrow  increasing

DANGER PATTERNS (DP): [dp.6 - loose snow and wind](#)

Considerable danger regionally due to fresh snowdrifts

AVALANCHE DANGER

Avalanche danger in Tirol's backcountry touring regions above 2200 m is considerable from region to region. The freshly-formed as well as the older snowdrift accumulations are poorly bonded with the base beneath them, thus are prone to triggering. Avalanches can often be triggered even by minimum additional loading, i.e. the weight of one single skier or freerider. Avalanche prone locations are found on steep slopes and in ridgeline terrain above 2200 m. Number and size of danger zones tend to increase with ascending altitude and also as the day unfolds.

SNOW LAYERING

Foehn wind is currently the major factor of the avalanche situation. At high altitude the S/SW winds are constantly blowing above snow-transport strength, thereby accumulating new drifts with every snowflake that falls. Fresh and older snowdrift accumulations are often being deposited on top of fresh fallen snow or a layer of faceted crystals, thereby making the likelihood of triggering high. The numerous avalanches which have triggered over the last few days were mostly small, since only the uppermost layers of the snowpack were swept away. Fractures down to more deeply embedded layers have not been observed for several weeks.

ALPINE WEATHER FORECAST (ZAMG-WEATHER SERVICE INNSBRUCK)

Weather. The Alps are caught at the forefront of a low which has its core over the eastern Atlantic in a SW foehn-influenced airstream. A weak front embedded inside this weather system is passing through Tirol today. Mountain weather. On the northern flank of the Alps, cirrus cloud will create diffuse light conditions. The Main Ridge and the summits of the East and South Tirolean mountains will soon be hidden in fog and light snowfall will set in. Also on the northern flank of the Alps, isolated snow showers are expected this afternoon (snowfall level at 2000 m). Temperature at 2000 m: +1 degree; at 3000 m: -4 degrees. Moderate W/SW winds, stronger in the Tux Alps (even reaching storm strength).

SHORT TERM DEVELOPMENT

Increasing avalanche danger due to stormy foehn winds

Rudi Mair

Translated by Jeffrey McCabe