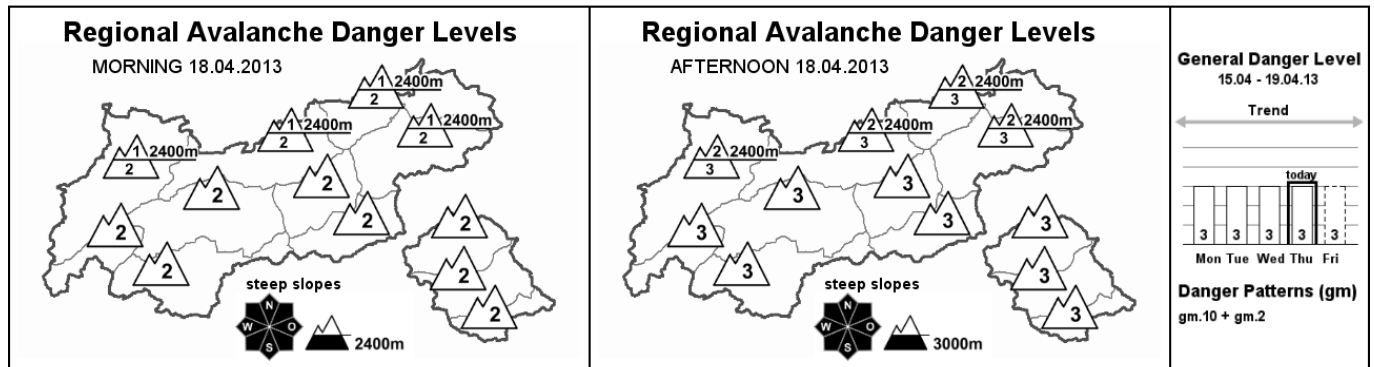


# Avalanche Bulletin

## of the Avalanche Warning Service Tyrol

Thursday, 18.04.2013, at 07:30



## Daytime cycle of rising avalanche danger

### AVALANCHE DANGER

The avalanche danger in Tirol's backcountry touring regions is subject to a daytime cycle. During the morning hours the danger level is generally moderate, then rises swiftly as the snowpack loses its firmness to level "considerable". Particularly on slopes which have not yet discharged, naturally triggered wet avalanches, full depth snowslides and slab avalanches can be expected. In isolated cases they can attain medium size, even large size. Skiing and freeriding tours in outlying terrain need to be brought to an end early in the day.

### SNOW LAYERING

A wide-ranging exploration in a military helicopter yesterday brought the following results: an extremely high number of naturally triggered loose snow avalanches were counted, also isolated full depth snowslides and slab avalanches. Since snow depths have receded significantly due to the mild weather conditions, only a few of the avalanches reached the valley. Last night was slightly cloudy, enabling the snow cover to give off nocturnal outgoing long wave radiation so that a thin melt-freeze crust could form. Through today's daytime warming and solar radiation, this crust will rapidly soften over the course of the morning and the snowpack forfeit its firmness.

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

Weather: A high pressure zone dominates today which will be brought to an end tonight by the arrival of a cold front. On Saturday, furthermore, a low will form over northern Italy and bring much less stable and cooler air masses to Tirol. Mountain weather today: a very beautiful and very warm day in Tirol's mountains. As of late afternoon, large scale convective cloud, possibly an occasional thunderstorm are expected. Temperature at 2000m: plus 8 to plus 10 degrees; at 3000m: plus 1 degree. Moderate northwesterly winds, later shifting to southwesterly.

### SHORT TERM DEVELOPMENT

As temperatures drop, danger of wet avalanches at high altitudes will decrease

Rudi Mair

Translated by Jeffrey McCabe