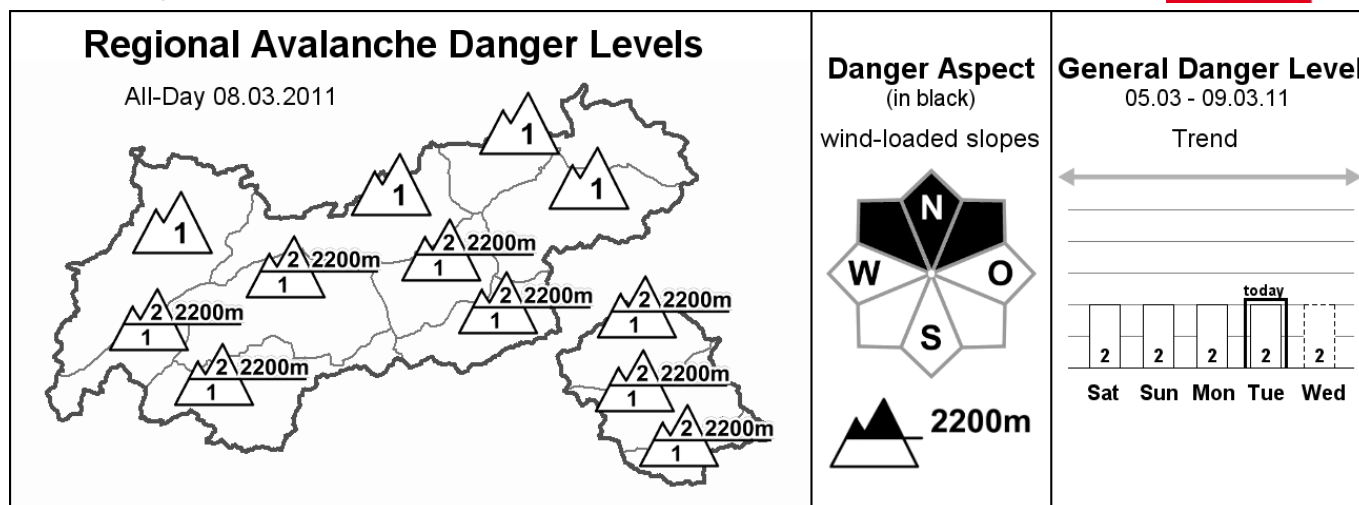


# Avalanche Bulletin

## of the Avalanche Warning Service Tyrol

Tuesday, 08.03.2011, at 07:30



### Increasingly spring-like conditions amid small, critical spots above 2200 m

#### AVALANCHE DANGER

Quite favourable conditions prevail. In the north, from Arlberg-Ausserfern over the Northern Alps to the Kitzbühel Alps, the general danger level is low. In remaining Tyrol, the danger level above 2200 m is moderate, below that altitude it is low. Caution is urged primarily towards steep, shady terrain above 2200 m and towards west to east facing slopes near broad ridges, where particularly in non-used or little frequented terrain there are isolated, small sized older snowdrift accumulations which are hazardous. Through large additional loading, in some cases even through minimum additional loading, avalanches can be triggered there. Such released snow masses are usually small to medium size. Over the course of the day, the snowpack on steep, intensely sun-exposed slopes will forfeit some of its firmness, in which case small moist sluffs can be triggered, especially below about 2500 m.

#### SNOW LAYERING

The tensions inside the snowpack are decreasing rapidly. Below about 2200 m, the snowpack is now quite stable. Due to the effects of the daytime warming cycle interacting with nocturnal cooling, most sunny slopes below about 2400 m form a melt freeze crust by morning capable of bearing loads. This crust then loses firmness during the day; as of midday, it turns to "firn" snow. Above approximately 2200 m on north and to some extent south and east facing slopes, there are loosely packed layers in the snowpack which can serve as bed surfaces for slab avalanches. This is particularly the case in unused or little frequented terrain. Above approximately 2500 m, such perilous zones are more frequent.

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

Weather in general: the high pressure system centered above Poland still dominates weather conditions in Tyrol. The air is very dry, temperatures have risen slightly. On Thursday, a weak disturbance will brush past. Mountain weather today: in the Northern Alps it will be sunny, nearly cloudless, with outstanding visibility at high altitude; by midday, the freezing level will be below 2000 m. In the mountains of South Tyrol, persistent fog prevails which in some places extends to over 2000 m. Temperature at 2000 m: zero degrees; at 3000 m: minus 7 degrees. Light to moderate high altitude winds, predominantly from westerly directions.

#### SHORT TERM DEVELOPMENT

With slightly higher moisture, the danger will increase a bit during the day.

Patrick Nairz

Translated by Jeffrey McCabe