

wind direction @ 700 hPa $\geq 240^\circ$ and
wind speed @ 700 hPa $> 5 \text{ m s}^{-1}$ and
clockwise wind turning from 700 hPa to 500 hPa

wind speed @ 700 hPa $\leq 5 \text{ m s}^{-1}$

Deep foehn

Shallow foehn

Gegenstrom foehn

sum of precipitation in polygon
below 15th percentile

sum of distance of precipitation front
beyond crest above 85th percentile

Moist foehn

Dimmer foehn

Dry foehn