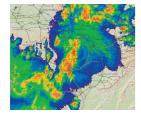
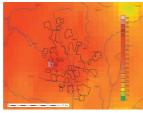


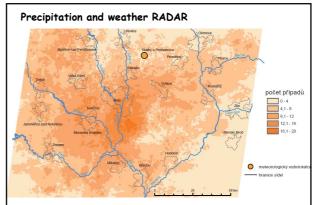
Precipitation and weather RADAR



Spatial distribution of radar reflectivity (maximum values in vertical direction) measured at meteorological radars Skalky and Brdy at 15 July 2009, 19:25 hours of central European summer time



Spatial distribution of daily precipitation totals (mm) computed as a combination of radar-based precipitation estimate and rain-gauge measurements from 15 July 2009 (measured at 16 July 2009, 08 h central European summer time). Stations with higher precipitation totals are preferred in the map. Spatial distribution of precipitation totals is given in 1 x 1 km grid



Frequency of the above-average maximum radar reflectivity in Brno region composed from 26 situations with extreme convection at Tuřany station in the period 2000–2007

5.5 Final remarks and questions



- What are limitations of URS in terms of spectral, spatial and temporal resolution?
- 2. What are the main benefits of URS for heat wave studies compared to air temperature analysis?
- 3. How can be URS used for practical urban planning, regional development and for better adaptation to climate change?