

## **Abstract**

This bachelor thesis is focused on a climatological view of atmospheric fronts, which in middle latitudes greatly determine weather and its changes. Scientific literature is reviewed in the text, accompanied by manifestations of atmospheric fronts in a global and local scale for the areas of western and especially central Europe, whereas connection with temperatures, precipitation and other meteorological elements and its long-term changes are emphasised. Further, the thesis is focused on problems connected with atmospheric fronts detection which is directly related to the most common places of occurrence. The objective of the practical part is an analysis of the atmospheric fronts passages over the Praha-Ruzyně meteorological station during twenty year period from 1. 12. 2000 to 30. 11. 2020 with emphasis on winter and summer months.

**Key words:** atmospheric fronts, climatology, temperature, precipitation, climate variability