

Abstract: The article presents the variability of precipitation based on the temporal oscillation model. Series of monthly precipitation totals from the years 1955–1980 were used for the analysis. The detailed research referred to the selected 10 measurement stations in central Poland and 17 in southern Poland. Data series from all the measurement stations were verified in terms of their statistical homogeneity. Furthermore, in accordance with the model guidelines, the tendency was assessed. This was followed by calculation of seasonal and accidental oscillations of precipitation. The results were used to present the variability of precipitation in the two areas studied. The measurement stations in southern Poland showed a much higher mean variation of seasonal oscillations of monthly precipitation. Accidental precipitation, however, is much more significant for the total variability of precipitation in southern Poland.

Key words: precipitation, variability of precipitation, temporal oscillation model, precipitation tendencies, seasonal oscillations, accidental oscillations