

ABSTRACT

Remnants of planation surfaces in Hrubý Jeseník were noted in many geomorphological studies made in the studied area. However, the levels of planation surfaces were never described. The present study deals with the determination of the levels of planation surfaces (the amount of levels) and its connection to neotectonics. The whole area was divided into three parts (Pradědská, Keprnická and Orlická part). Histograms of elevation frequency, the cumulative graph of the area of planation surfaces and the statistical test show six levels of planation surfaces. Six levels were determined in Pradědská and Orlická part and four levels in Keprnická part. The levels of planation were compared to similar areas in the Sudetes. These intervals have significant representation of the flat surfaces within. Six levels of planation surfaces were determined. The main periods of uplift were presented based on the intervals between the levels of planation surfaces. The minimum uplift in the central, most active part is estimated to be 450 m.