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Synoptic situations favorable for greater daily range of temperature in Buzău Plain

ABSTRACT

The daily range of temperature is the arithmetic difference between the daily maximum and the daily minimum temperature. It depends on latitude, altitude, season, active surface, relief, clouds and wind. A daily range of temperature of above 20°C was registered during 27 days between 2000 and 2008. In order to have an increased daily range of temperature, above 20°C, it is compulsory to have a cyclone in the northern part of Romania and an anticyclone in the southern part. In this circumstance, the warm air goes to north and the daily range of temperature increases above 20°C in the Buzău Plain.