

Correlation between precipitation water acidity and 850 hPa surface wind directions*

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The correlation of the pH values of daily precipitation samples on the measuring site Grič during the period 1972–1982 and radio-sonde wind data was examined. Contingency tables of the acidity of daily precipitation samples and wind directions in the 850 hPa surface were prepared. The correlation was statistically examined using the test of independence in contingency tables. Acid precipitation in Zagreb seems to be very often related to the NE and W winds, while non-acid precipitation is related to the SW winds. Results and the role of mountain Medvednica are discussed.

* Presented at the Symposium „Observations and Modelling in Geophysics”, organized by the Geophysical Institute, Faculty of Science, University of Zagreb. The Symposium was held at Zagreb, Yugoslavia, between 11 and 13 June 1986.