



Time-series analysis of a recent (1946 - 1997) Schlossberg tunnels, Graz, stalagmite in correlation with monthly precipitation

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A detailed investigation of the annual layers of a recent, 51 years stalagmite grown in the Schlossberg tunnels, dug in 1946 in the Graz carbonaceous hill was performed in correlation with the monthly level of precipitation.

Time series analysis of the annual sequence of layers revealed the existence of more cycles whose periodicity between 3 and 11 years, could be correlated with similar date resulting from the analysis of monthly precipitation.

Possible implications for short time paleclimatic records are presented and discussed.