

Possible inhomogeneities in the Hess&Brezowsky catalogue of atmospheric circulation types

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The aim of this study is to present some inhomogeneities found in the Hess&Brezowsky catalogue of atmospheric circulation types (Grosswetterlagen), i.e. the higher probability of change of type at the ends of months and years caused by monthly subjective data evaluation. This leads to an overall 42 % higher probability of change of type at the ends of months and 56 % at the ends of years (compared with the average frequency in all other days, 1881-2000). The period of extremely high frequency of change of types at the ends of months and years during the 1980s coincides with the observed increasing persistence (duration in days) of the Hess&Brezowsky circulation types. However, the prolongation of persistence is most probably not being caused by inhomogeneities in the series as it was detected in objectively defined circulation catalogues as well.