



Scale behaviour of dry spells

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Power-law scaling of rainfall depths has been amply documented in recent years, even beyond the scales that have a spatial counterpart explaining the phenomenology. Scale behaviour of dry spells, however, is a more complex subject, not only due to the sensitivity of the analysis to the rainfall detection threshold, but also because of its intrinsically slow convergence to an asymptotic behaviour. The present work compares the scaling of dry spells in rainfall time series with that of run lengths in series of river discharges, hereby depicting interesting connections, and adding reliability to the results.