



Time-clustering behaviour in Lightning sequences

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The time-clustering behavior of lightning data measured from April to October 2002 in an area of southern Italy has been analyzed by using the Allan Factor statistics, which permits the detection of time-clusterized behaviour in temporal point processes. The results point out to the presence of two time-scaling regions, which reveal intra-cluster (inside an individual thunderstorm) and inter-cluster (among successive thunderstorms) time-correlation properties of lightning data.