



Statistical analysis of multi-scale fluctuations within the system solar wind-magnetosphere

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Solar wind fluctuations exhibit multiscale intermittent properties. There exists increasing evidence that these features influence the level of the solar wind - magnetosphere coupling. In this paper we present a comparison of the intermittent properties of the solar wind fluctuations and the mean values of magnetic field and plasma parameters. The main goal is to investigate the correlations between the fluctuations and the mean values of some geoeffective parameters to understand better the relative contribution of intermittence to the efficiency of solar wind - magnetosphere coupling.