

RAINFALL VARIABILITY RESULTED BY SOLAR FLARES

By

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ABSTRACT

In this research study, an attempt has been made to find a correlation of rainfall variability over the landmass of Sri-Lanka resulted by solar flares.

This analysis revealed that the main periodicities of variations of rainfall in stations in the “southwest quarter” and “southwest quarter and hill country” are 8 and 9 years respectively.

This observation distorts in the study of the rainfall variation in 21 meteorological stations. The main periodicity of this analysis is 3.5 years, which may be due to the influence of la-nina and local effects highlighted.

In each of three case studies it was found that solar flare peak years always coincided with rainfall peak years (regardless time lag).