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Solar activity effects on the precipitation in the greater Cairo area during cycle 23

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By using the statistical analysis methods and correlations, we examine the relationship between the variation of solar activity during solar cycle 23 and the daily, monthly and annual penetration in the Greater Cairo area. The solar data of sunspot numbers, sunspot area, radio flux, solar proton, electron and neutrons fluencies, x-ray background flux, and optical flares have been analyzed and compared with the influencing the precipitation on the land. The results indicate that the rate of precipitation is closely related to the variation of solar activity data.