



## **Solar Activites and its correlation with geomagnetic indices**

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The data of last 3 cycles for aa-index and the Number SSCs indicate that there is a general trend for increasing of data. Geomagnetic storms have a good correlation with solar activity and solar radiation variability. Many proton events and Geomagnetic storms have occurred during solar cycles 21, 22, and 23, and Halloween storms during Nov. 2003. Study of the geomagnetic storms these occurred in last three cycles, will give us a good indication of the climatic change and its behavior during 21st century. During the decline phase of the last 3 solar cycles, high energetic eruptive flares were recorded, and the appearance of the second peak on the decline phase of solar cycles.