

## **DEPENDENCE OF GMS WITH $A_p > 50$ ON SOLAR FEATURES' LOCATIONS**

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An attempt has been made to locate the solar features and their effective locations on the solar disk causing the geomagnetic storms (GMSs) with  $A_p > 50$  on Earth. Ninety seven GMSs have been investigated using solar geophysical data (SGD) and interplanetary data during the period 1978-99. It is observed statistically that H $\alpha$  , X-ray solar flares and active prominences and disappearing filaments (APDFs) which have occurred within lower heliographic latitudinal/longitudinal zones are associated with larger number of GMSs at Earth.