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THE EFFECTIVE REASONS FOR GEOMAGNETIC FIELD DISTURBANCE ON LONG-TERM BASIS

Abstract content

The continuously changing interplanetary plasma and field values are known to produce geomagnetic field disturbances. Various investigators have used solar wind and interplanetary magnetic field parameters to establish relationships between them. Yearly studies have established the relative role of solar wind as well as the magnitude of the interplanetary magnetic field, which is generating the geomagnetic field disturbances. On long-term based analysis we have come to the conclusion that on average basis, the electric current (VB) is most effective parameter to produce larger geomagnetic disturbances.

If this paper is presented for a collaboration, please specify the collaboration

Summary

Reference

Primary author(s) : Dr. TIWARI, ANIL KUMAR (Head, Physics Department, Govt. T.R.S.College, REWA (M.P.) INDIA)

Co-author(s) : Ms. TRIPATHI, LAXMI (A.P.S.University, REWA(M.P.)INDIA); Mr. SINGH, PRAMOD (A.P.S.University, REWA(M.P.)INDIA); Mr. SHRIVASTAVA, ANIL KUMAR (A.P.S.University, REWA(M.P.)INDIA)

Presenter(s) : Dr. TIWARI, ANIL KUMAR (Head, Physics Department, Govt. T.R.S.College, REWA (M.P.) INDIA)

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