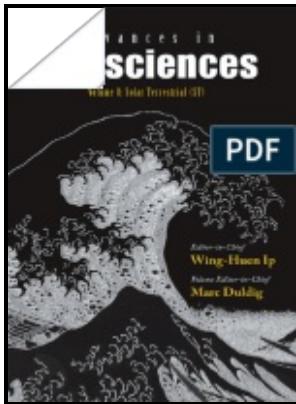


Convection and substorms - paradigms of magnetospheric phenomenology

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International series on astronomy and astrophysics ;Convection and substorms - paradigms of magnetospheric phenomenology

Notes: Includes bibliographical references (p. [311]-401) and index.

This edition was published in 1995



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Tags: #Substorm #models #[Oulu]

superstorm on November 20, 2003

Energetics of the magnetospheric

Note that the observed high speed flows including are naturally explained by this model. This is the basic way to study electromagnetic phenomena and it is much more instructive in understanding the physics involved in the chain processes.

List page45115

D An example of electric current vectors; a special computer code was developed by to convert the magnetic disturbance vectors into the current vectors. Fortunately, there is a very important set of observations at 8. About this Item: Mennonite Central Committee Canada;, Winnipeg, Manitoba, Canada.

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About this Item: Oxford University Press, 1996. An observational example of both the inflation and deflation causing a decrease and the subsequent increase of the magnetic field intensity will be discussed in the following. B An example of magnetic records the H component from a number of arctic stations.

Substorm models [Oulu]

To this end, videos for each keogram in Figs. Ground-Based Observations Since ground-based magnetic field observations and the resulting knowledge of electric currents play a crucial role in substorm studies, this section is devoted to this study. Using sequences of auroral images, this study defines criteria for differentiating an important type of aurora whose subcategories are often conflated.

Frontiers

Furthermore, amorphous pulsating aurora appears during every pulsating aurora event in Figs. Pulsating auroral patches appear to be controlled by

structures in the near-equatorial cold plasma , whose motion is almost entirely determined by $E \times B$ drifting.

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Pulsating auroral patches are the most common form of this aurora. Videos of the associated ASI data are included in . We use an advanced nearest-neighbor estimator , of CMI that is most suitable for variables with a continuous range of values.

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