

Analisis badai magnet bumi periodik

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Abstrak

Periodic magnetic storms are those related to recurrent coronal hole events within a period of one solar rotation. There are still few studies on successive periodic magnetic storm. In this paper, we discuss the nature of the amplitude of the periodic magnetic storms within the solar cycle 20,21,22, and 23. The periodic nature of solar wind (27 days) occurred on descending phase of solar cycle 22 also caused a recurrent geomagnetic disturbance. The disturbance developed into a geomagnetic storm in the first (27 days) and the ninth rotation. The geomagnetic disturbances with period 27 and 13.5 days are both significant at the low latitude while the period of 30 days are more dominant at the high latitude. That mean, from two flows of high velocity plasmas, only one that higher contribution on the occurrence of geomagnetic disturbance accompanied by high intensity southern Bz field.