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 (USSR) 1959, no. 1, p. 7-11.

DESCRIPTORS: \*Terrestrial magnetism, Arctic  
 regions, \*Magnetic storms, \*Ionospheric disturbances

In the course of the magnetic disturbances during one  
 day (of 24 hours) there actually are intervals corre-  
 sponding to all four Stormer zones, when the probabili-  
 ty of the origin of active periods (irregular magnetic  
 disturbances) increases.

(Physics--Magnetism, TT, v. 6, no. 8)

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 (USSR) 1959, no. 1, p. 30-33.

DESCRIPTORS: \*Terrestrial magnetism, \*Magnetic  
 storms, Arctic regions, Antarctic regions.

If we start from the charts of the isochrones for the  
 Arctic and the Antarctic, the magnetographs of the  
 Mirny station, apparently, are the most suitable for  
 comparison with the magnetographs of the stations  
 situated on the northern and south coasts of Iceland or  
 on the east coast of Greenland between 65° and 75°  
 north geographical latitude. For a comparison between  
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In this work we obtain an expression for the intensity  
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rent-carrying conductor located in an ideally con-  
ducting cylindrical pipe which has a longitudinal cut.  
The location of the conductor and the dimensions of  
the cut are arbitrary. We study the problem of the  
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