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HFUS BOU 182200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 018 ISSUED 2200Z 18 JANUARY 1972

AN ENERGETIC EVENT FROM REGION 015 IS PROBABLE.

A. REGION 015 /S16E20/ IS CLASSED BY MT WILSON AS A MAGNETIC DELTA CONFIGURATION, WITH TWO SEGMENTS OF THE EASTERN SUNSPOT CLUSTER CONTAINING A DELTA CONFIGURATION.

POLARITIES FOR THE REGION ARE REVERSED. THE 8.6 MM TEMPERATURE FOR THE REGION HAS INCREASED DURING THE PAST 24 HOURS INDICATING CONTINUED EVOLUTIONARY GROWTH. OTHER DISK REGIONS ARE QUIET. THE GEOMAGNETIC FIELD HAS BEEN ACTIVE. THE EEP RIVER NEUTRON MONITOR HAS BEEN DEPRESSED FOR THE PAST 65 HOURS, CURRENTLY WITH APPROXIMATELY A 4 PER CENT DECREASE.

B. WITH THE CHANGES OCCURRING IN REGION 015, AN ENERGETIC EVENT MAY OCCUR DURING THE NEXT 24 HOURS. THE GEOMAGNETIC FIELD IS EXPECTED TO REMAIN UNSETTLED.

C. EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 19 JAN/0000Z ENDING 21 JAN/2400Z.

CLASS M OR GREATER 75/65/75

CLASS X 10/05/10

PROTON EVENT 15/10/15

D. OTTAWA 10.7 CM FLUXES FOR 18/1400Z 1700Z AND 2000Z WERE 116, 115 AND 121. PREDICTED 10.7 CM FLUXES FOR 19-21 JAN ARE 117/120/120.

E. MAGNETIC A-FREDERICKSBURG FOR 17 JAN WAS 17. FOR 18 JAN ABOUT 18. PREDICTED AP FOR 19-21 JAN ARE 14/08/11.

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