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HFUS BOU 102200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 041 ISSUED 2200Z 10 FEBRUARY 1972

SMALL CLASS M EVENTS ARE POSSIBLE

A. A TYPE C SPOT GROUP HAS ROTATED ONTO THE DISK AT S17E79, NEW REGION 051. THIS REGION WAS RESPONSIBLE FOR THE LIMB ACTIVITY REPORTED YESTERDAY. RADIO DATA INDICATE THAT THIS REGION HAS A WELL DEVELOPED CORONAL CONDENSATION. DETAILED ANALYSIS OF THIS REGION IS NOT POSSIBLE DUE TO LIMB PROXIMITY, BUT IT DOES APPEAR TO HAVE THE POTENTIAL TO PRODUCE CLASS M EVENTS. ACTIVITY FROM THIS REGION HAS CONSISTED OF CLASS C EVENTS AT 09/2110Z, 10/0540Z, 10/0840Z AND A CLASS M1 EVENT AT 10/1210Z. ALL OTHER REGIONS ARE QUIET. THE GEOMAGNETIC FIELD HAS BEEN QUIET.

B. CONTINUED CLASS C ACTIVITY AND POSSIBLE CLASS M EVENT EXPECTED FROM REGION 051. GROUND BASED MAGNETOMETER DATA INDICATE AN INTERPLANETARY SECTOR BOUNDARY PASSAGE OCCURRED TODAY. AN INCREASE IN GEOMAGNETIC ACTIVITY IS EXPECTED TO FOLLOW WITHIN THE NEXT 12 HOURS.

C. EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 11 FEB/0000Z ENDING 12 FEB/2400Z.

CLASS M OR GREATER 60/60/60

CLASS X 01/01/01

PROTON EVENT 01/05/05

D. OTTAWA 10.7CM FLUXES FOR 10 FEB/1400Z 1700Z AND 2000Z WERE 119, 117 AND 117. PREDICTED 10.7CM FLUXES FOR 11-13 FEB ARE 120/122/124.

E. MAGNETIC A-FREDERICKSBURG FOR 09 FEB WAS 02. FOR 10 FEB ABOUT 07. PREDICTED AP FOR 11-13 FEB ARE 15/20/15.

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