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HFUS BOU 122200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 012 ISSUED 2200Z 12 JANUARY 1972

MINOR ACTIVITY EXPECTED

A. A CLASS M2 EVENT WAS OBSERVED AT 0430Z TODAY. THIS X-RAY EVENT WAS ASSOCIATED WITH A SURGE OBSERVED OPTICALLY ON THE SOUTHEAST LIMB. THIS AREA OF THE LIMB WHICH HAS PRODUCED SURGE ACTIVITY THROUGHOUT THE DAY IS PROBABLY ASSOCIATED WITH THE RETURN OF OLD REGION 391 WHICH PRODUCED TWO CLASS M EVENTS DURING ITS PREVIOUS DISK TRANSIT. THE THREE SPOT GROUPS CURRENTLY ON THE DISK REMAIN INACTIVE. THE GEOMAGNETIC FIELD IS QUIET.

B. SOLAR ACTIVITY IS EXPECTED TO INCREASE SLIGHTLY WITH THE RETURN OF OLD REGION 391. A RECURRENT INCREASE IN GEOMAGNETIC ACTIVITY IS EXPECTED TO BEGIN LATE ON THE 13TH.

C. EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 13 JAN/0000Z ENDING 15 JAN/2400Z.

CLASS M OR GREATER 30/35/40

CLASS X 01/01/01

PROTON EVENT 01/01/01

D. OTTAWA 10.7 CM FLUXES FOR 12/1400Z 1700Z AND 2100Z WERE 108, 103 AND 105. PREDICTED 10.7 CM FLUXES FOR 13-15 JAN ARE 110/114/116.

E. MAGNETIC A-FREDERICKSBURG FOR 11 JAN WAS 14. FOR 12 JAN ABOUT 2. PREDICTED AP FOR 13-15 JAN ARE 10/20/10.

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