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HFUS BOU 192200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 232 ISSUED 2200Z 19 AUG 1972

A. SOLAR ACTIVITY HAS INCREASED TODAY WITH SMALL CLASS M X-RAY BURSTS OBSERVED AT 1310 AND 1431Z. THE FIRST EVENT WAS ASSOCIATED WITH AN IMPORTANCE ONE FLARE ON THE SOUTHEAST LIMB, WHILE THE LATTER EVENT WAS PRODUCED BY A SUBFLARE IN REGION 359 /N16W69/. EAST LIMB ACTIVITY IS PROBABLY ASSOCIATED WITH RETURNING REGION 319. A NEW REGION, 365, IS DEVELOPING NEAR S03E66. THE REMAINING DISK FEATURES HAVE CHANGED LITTLE DURING THE PAST 24 HOURS. THE GEOMAGNETIC FIELD IS UNSETTLED.

B. LIMB ACTIVITY IN THE SOUTHEAST SUGGESTS THAT A FAIRLY LARGE REGION WILL ROTATE ONTO THE DISK DURING THE EARLY PART OF THE FORECAST PERIOD. FLARE PRODUCTION SHOULD INCREASE WITH THE RETURN OF THIS REGION. GEOMAGNETIC CONDITIONS ARE EXPECTED TO REMAIN UNSETTLED WITH THE POSSIBILITY OF A FEW ACTIVE PERIODS ON 21 AUG.

C. EVENT PROBABILITIES 20 AUG/0000Z-22 AUG/2400Z

CLASS M 25/35/40

CLASS X 05/05/05

PROTON 01/01/01

D. OTTAWA 10.7 CM FLUX

OBSERVED 19 AUG/1700Z 113

PREDICTED 20 AUG-22 AUG 118-122-130

E. A-FREDERICKSBURG

OBSERVED 18 AUG 12

ESTIMATED 19 AUG 12

PREDICTED 20 AUG-22 AUG 11-18-12

SOLTERWARN

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