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HFUS BOU 122200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 225 ISSUED 2200Z 12 AUGUST 1972

A. DISK ACTIVITY HAS BEEN LOW WITH ONLY FIVE SUBFLARES REPORTED DURING THE PAST 24 HOURS. AN X-RAY BURST AT 1431Z TODAY PRODUCED SHORT-LIVED FADES ON SUNLIT HF RADIO CIRCUITS. X-RAY DETECTORS ON THE OSO-7 SATELLITE INDICATED THAT THE EVENT ORIGINATED BEHIND THE NORTHWEST LIMB. A LARGE SURGE ALSO OCCURRED IN THIS AREA AT 2022Z AND A TYPE IV RADIO BURST FOLLOWED AT 2100Z, SUGGESTING THAT REGION 331 IS ACTIVE. THE GEOMAGNETIC FIELD IS PRESENTLY QUIET AND PROTON FLUXES ARE NEAR NORMAL.

B. ENERGETIC ACTIVITY IS STILL POSSIBLE FROM REGION 331 DURING THE EARLY PART OF THE FORECAST PERIOD, AND MINOR PROTON ENHANCEMENTS MAY BE DETECTED AT SATELLITE ALTITUDES. QUIET TO MILDLY UNSETTLED GEOMAGNETIC CONDITIONS ARE EXPECTED.

C. EVENT PROBABILITIES 13 AUG/0000Z-15 AUG/2400Z

CLASS M 35/25/10

CLASS X 10/5/1

PROTON 25/20/15

D. OTTAWA 10.7 CM FLUX

OBSERVED 12 AUG/1700Z 105

PREDICTED 13-15 AUG 104-106-110

E. A-FREDERICKSBURG

OBSERVED 11 AUG 17

ESTIMATED 12 AUG 08

PREDICTED 13-15 AUG 010-010-008

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