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KBOU HFUS BOU 072200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 038 ISSUED 2200Z 07 FEBRUARY 1972

ONLY MINOR ACTIVITY EXPECTED

A. SOLAR ACTIVITY CONTINUES AT A LOW LEVEL. OPTICALLY ONLY CLASS C SUBFLARES HAVE BEEN REPORTED. FIVE SMALL SPOT GROUPS ARE CURRENTLY VISIBLE. A LONG-DURATION CLASS C1 X-RAY ENHANCEMENT BEGAN AT 07/1410Z AND WAS STILL DECAYING AT 07/1820Z. THERE WAS NO FLARE ACTIVITY TO CORRESPOND WITH THIS X-RAY EVENT, BUT PROMINENCES NEAR NE10 AND NW10 WERE ACTIVE DURING THE EVENT. A PREVIOUSLY INACTIVE REGION MAY BE APPROACHING THE EAST LIMB NEAR N10. PREVIOUSLY ACTIVE REGION 015 SHOULD BE ABOUT 30 DEGREES BEHIND THE EAST LIMB NEAR S16. THE GEOMAGNETIC FIELD HAS BEEN QUIET.

B. SOLAR ACTIVITY IS EXPECTED TO REMAIN LOW THROUGH 09 FEB. ACTIVITY MAY INCREASE ON 10 FEB IF REGION 015 RETURNS TO THE VISIBLE DISK. THE GEOMAGNETIC FIELD IS EXPECTED TO BECOME UNSETTLED TO ACTIVE ON 10-11 FEBRUARY.

C. EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 08 FEB/0000Z ENDING 10 FEB/2400Z.

CLASS M OR GREATER 10/10/20

CLASS X 01/01/01

PROTON EVENT 01/01/01

D. OTTAWA 0.7 CM FLUXES FOR 07/1400Z 1700Z AND 2000Z WERE 103, 105 AND 104. PREDICTED 10.7 CM FLUXES FOR 08-10 FEB ARE 104/105/110.

E. MAGNETIC A-FREDERICKSBURG FOR 06 FEB WAS 04. FOR 07 FEB ABOUT 05. PREDICTED AP FOR 08-10 FEB ARE 07/08/11.

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