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HXUS BOU 252200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO 1971

SDF NUMBER 359 ISSUED 2200Z 25 DECEMBER 1971

CLASS M EVENTS ARE POSSIBLE.

A. REGION 391 (S14W28) FINALLY PRODUCED TWO LONG FORECAST EVENTS, ALBEIT THEY WERE ENERGETICALLY RELATIVELY SMALL. THESE EVENTS WERE A SB CLASS M2 AT 25/0238Z AND A CLASS M1 IMPORTANCE 2N AT 25/1328Z. THE LATTER EVENT WAS ASSOCIATED WITH THE DISAPPEARANCE OF A FILAMENT WHICH HAS MARKED THE NEUTRAL LINE IN THE SE PORTION OF REGION 391 FOR THE LAST SEVERAL DAYS. THERE ARE SIGNS THAT THIS FILAMENT IS NOW REFORMING. THE GEOMAGNETIC FIELD HAS BEEN QUIET.

B. ADDITIONAL ENERGETIC ACTIVITY IS EXPECTED FROM REGION 391 DURING THE NEXT 3 DAYS. QUIET GEOMAGNETIC CONDITIONS ARE EXPECTED.

C. EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 26 DEC/0000Z ENDING 29 DEC/0000Z.

CLASS M OR GREATER 70/70/70

CLASS X 10/10/10

PROTON EVENT 10/10/10

D. OTTAWA 10.7 CM FLUXES FOR 25/1400Z AND 1700Z WERE 143 (FLARE-ENHANCED), AND 131. PREDICTED 10.7 CM FLUXES FOR 26-28 DEC ARE 130/128/126.

E. MAGNETIC A-FREDERICKSBURG FOR 24 DEC WAS 08. FOR 25 DEC ABOUT 04. PREDICTED AP FOR 26-28 DEC ARE 07/05/06.

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