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HFUS BOU 242200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 358 ISSUED 2200Z 24 DECEMBER 1971

CLASS M EVENTS POSSIBLE

A. SOLAR ACTIVITY HAS BEEN LOW. SUBFLARES HAVE BEEN OBSERVED IN REGIONS 388 /S14W24/ AND 391 /S15W09/. A WEAK SHORT WAVE FADEOUT WAS REPORTED DURING A SUB-BRIGHT FLARE AT 24/1335Z IN 388. REGION 391 SHOWS LITTLE CHANGE AND RETAINS ITS COMPLEX STRUCTURE WITH A SHARPLY KINKED NEUTRAL LINE. THE GEOMAGNETIC FIELD WAS SLIGHTLY UNSETTLED DURING THE NIGHT.

B. ENERGETIC EVENTS, UP TO CLASS X, ARE STILL JUDGED POSSIBLE FROM REGION 391 AT ANY TIME DURING THE NEXT THREE DAYS. NOTHING MORE ENERGETIC THAN SMALL CLASS M IS EXPECTED FROM 388. THE GEOMAGNETIC FIELD SHOULD BE RELATIVELY QUIET FOR THE NEXT THREE DAYS.

C. EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 25 DEC/0000Z ENDING 28 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 24/1400Z, 1700Z AND 2000Z WERE 135, 134 AND 131. PREDICTED 10.7 CM FLUXES FOR 25-27 DEC ARE 131/128/125.

E. MAGNETIC A-FREDERICKSBURG FOR 23 DEC WAS 10. FOR 24 DEC ABOUT 10. PREDICTED AP FOR 25-27 DEC ARE 08/07/05.

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