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FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 346 ISSUED 2200Z 12 DEC 1971

A CLASS M EVENT IS LIKELY.

A. SOLAR ACTIVITY HAS DECREASED CONSIDERABLY DURING THE PAST 24 HOURS, AND NO ENERGETIC FLARES HAVE BEEN REPORTED.

REGION 371 (N09W01) RETAINS A DELTA CONFIGURATION AND ABNORMAL MAGNETIC STRUCTURE IN THE CENTRAL PART OF THE SPOT GROUP, BUT DEVELOPMENT HAS STOPPED. MINOR FLARE-BRIGHTENINGS HAVE BEEN OBSERVED IN REGIONS 364 (S03W32) AND 376 (N18E59). OTHER REGIONS ARE RELATIVELY UNIMPRESSIVE. QUIET GEOMAGNETIC CONDITIONS HAVE CONTINUED DURING THE PAST 24 HOURS.

B. DESPITE ITS PRESENT DORMANT STATE, REGION 371 IS EXPECTED TO PRODUCE TWO OR THREE CLASS M FLARES DURING THE THREE-DAY FORECAST PERIOD. THE GEOMAGNETIC FIELD PROBABLY WILL REMAIN QUIET.

C. EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 13 DEC/0000Z ENDING 15 DEC/2400Z.

CLASS M OR GREATER 75/65/60

CLASS X 15/15/10

PROTON EVENT 10/10/08

D. OTTAWA 10.7CM FLUX FOR 12/1400Z 1700Z AND 2000Z WERE 130, 128 AND 126. PREDICTED 10.7CM FLUXES FOR 13-15 DEC ARE 131/128/127.

E. MAGNETIC A-FREDERICKSBURG FOR 11 DEC WAS 03. FOR 12 DEC ABOUT 04. PREDICTED AP FOR 13-15 DEC ARE 04/04/06.

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