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FROM SPACE ENVIRONMENT SERVECES CENTER BOULDER COLO

SDF NUMBER 345 ISSUED 2200Z 11 DEC 1971

CLASS M FLARES ARE EXPECTED.

A. SOLAR ACTIVITY HAS CONTINUED TO INCREASE DURING THE PAST 24 HOURS. ADDITIONAL DEVELOPMENT HAS OCCURRED IN REGION 371 (NO9E12), AND A SIGNIFICANT DELTA CONFIGURATION NOW EXISTS WEST OF THE MAIN TRAILING SPOT. THE NEUTRAL LINE IS SOMEWHAT COMPLEX, AND THE PLAGE CONTAINS EMBEDDED FILAMENTS. THE ABNORMAL ORIENTATION OF THE MAGNETIC FIELDS NEAR THE DELTA CONFIGURATION SUGGESTS THAT FURTHER DEVELOPMENT MAY PRODUCE A DYNAMIC ACTIVE CENTER. REGION 371 HAS PRODUCED FIVE SMALL CLASS M FLARES DURING THE PAST 24 HOURS. THE LARGEST OF THESE EVENTS CONSISTED OF A CLASS M3 SUBNORMAL FLARE AT 11/1137Z.

OTHER CENTERS ARE SIMPLE AND RELATIVELY UNIMPRESSIVE. THE GEOMAGNETIC FIELD HAS REMAINED RELATIVELY QUIET.

B. AN INCREASE LEVEL OF SOLAR ACTIVITY IS EXPECTED DURING THE NEXT 72 HOURS. REGION 371 PROBABLY WILL CONTINUE TO PRODUCE CLASS M FLARES AND MAY PRODUCE A CLASS X EVENT IF DEVELOPMENT CONTINUES. THE GEOMAGNETIC FIELD IS EXPECTED TO REMAIN QUIET.

C. EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 12 DEC/0000Z ENDING 14 DEC/2400Z.

CLASS M OR GREATER 85/90/90

CLASS X 20/25/25

PROTON EVENT 05/10/15

D. OTTAWA 10.7CM FLUX FOR 11/1400Z 1700Z AND 2000Z WERE 129, 131 AND 124. PREDICTED 10.7CM FLUXES FOR 12-14 DEC ARE 130/133/135.

E. MAGNETIC A-FREDERICKSBURG FOR 10 DEC WAS 02. FOR 11 DEC ABOUT 03. PREDICTED AP FOR 12-14 DEC ARE 04/04/04.

SOLTERWARN

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