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HFUS BOU 302200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 334 ISSUED 2200Z 30 NOVEMBER 1971

A CLASS M FLARE IS POSSIBLE

A. SOLAR ACTIVITY HAS BEEN AT A LOW LEVEL. THE LARGEST XRAY EVENT HAS BEEN A CLASS C5 WITH A SUBNORMAL FLARE IN REGION 354 /S16W47/. THE ASSOCIATED SUNSPOT STRUCTURE AND 9.1CM TEMPERATURE HAVE DECREASED DURING THE PAST 24 HOURS FOR THIS REGION. AT PRESENT, THIS REGION APPEARS TO BE THE ONLY DISK REGION CAPABLE OF PRODUCING AN ENERGETIC EVENT. A NEW REGION CROSSING EAST LIMB NEAR S09 HAS PRODUCED MINOR SURGES. THE GEOMAGNETIC FIELD IS QUIET.

B. REGION 354, IN CONJUNCTION WITH NEARBY REGIONS 353 /S09W51/ AND 358 /S07W41, STILL RETAINS POTENTIAL FOR AN ENERGETIC EVENT. THE GEOMAGNETIC FIELD IS EXPECTED TO BECOME UNSETTLED FOR THE NEXT 24-48 HOURS.

C. EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 01 DEC/0000Z ENDING 03 DEC/2400Z.

CLASS M OR GREATER 60/40/40

CLASS X 15/05/05

PROTON EVENT 10/08/05

D. OTTAWA 10.7CM FLUXEX FOR 30/1400Z 1700Z AND 2000Z WERE 119, 119 AND 115. PREDICTED 10.7CM FLUXES FOR 01-03 DEC ARE 115/111/105.

E. MAGNETIC A-FREDERICKSBURG FOR 29 NOV WAS 04. FOR 30 NOV ABOUT 03. PREDICTED AP FOR 01-03 DEC ARE 10/08/04.

SOLTERWARN

SPAN

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