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HFUS BOU 292200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 333 ISSUED 2200Z 29 NOV 1971

ENERGETIC ACTIVITY IS EXPECTED.

A. SOLAR ACTIVITY HAS REMAINED RELATIVELY LOW DURING THE PAST 24 HOURS. REGIONS 353 /S08W38/, 354 /S16E35/, AND 355 /N14W26/ HAVE PRODUCED SPORADIC CLASS C SUBFLARES. REGION 354 IS NOW THE MOST IMPRESSIVE DISK FEATURE, CONTAINING BRIGHT, COMPLEX PLAGE AND AN E-TYPE SPOT GROUP WITH AN AREA OF 360 MILLIONTHS. THE NEUTRAL LINE IN REGION 354 RUNS EAST-WEST JUST NORTH OF THE MAIN LEADER SPOTS, AND A SPOT OF FOLLOWING POLARITY IS PRESENT THERE. BRIGHT PLAGE OF FOLLOWING POLARITY HAS DEVELOPED WEST OF THE LEADING SPOTS OF REGION 353. REGION 355 HAS UNDERGONE SOME SIMPLIFICATION, AND ITS REVERSED-POLARITY MAGNETIC FIELD HAS WEAKENED. OTHER REGIONS ARE UNIMPRESSIVE. THE GEOMAGNETIC FIELD IS QUIET.

B. REGIONS 353 AND 354 PROBABLY WILL PRODUCE MOST OF THE SOLAR ACTIVITY RECORDED DURING THE NEXT 72 HOURS. ONE LARGE CLASS M OR CLASS X FLARE AND ONE OR TWO SMALL CLASS M FLARES ARE LIKELY. IF A LARGE FLARE OCCURS, A PARTICLE EVENT PROBABLY WILL OCCUR AT EARTH. THE GEOMAGNETIC FIELD IS EXPECTED TO BE QUIET TO UNSETTLED DURING THE NEXT THREE DAYS.

C. EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 30 NOV/0000Z ENDING 02 DEC/2400Z.

CLASS M OR GREATER 80/80/70

CLASS X 25/25/20

PROTON EVENT 25/25/20

D. OTTAWA 10.7 CM FLUXES FOR 29/1400Z, 1700Z AND 2000Z WERE 125, 120 AND 122. PREDICTED 10.7 CM FLUXES FOR 30 NOV-02 DEC ARE 127/125/124.

E. MAGNETIC A-FREDERICKSBURG FOR 28 NOV WAS 09. FOR 29 NOV ABOUT 04. PREDICTED AP FOR 30 NOV-02 DEC ARE 07/12/11.

SOLTERWARN

SPAN

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