

KMSC

HAUS BOU 260400

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 852A ISSUED 0400Z 26 DECEMBER 1970

ONLY CLASS C ACTIVITY IS EXPECTED DURING THE NEXT 13 HOURS.

A. SOLAR ACTIVITY HAS BEEN VERY LOW DURING THE PAST 11 HOURS. A ONE BRIGHT FLARE WAS OBSERVED ON THE NORTH WEST LIMB AT 25/2300Z. THIS FLARE WAS ONLY AN OPTICAL FLARE AS NO X-RAYS OR RADIO DISTURBANCE WERE OBSERVED. NUMEROUS BSL'S HAVE BEEN OBSERVED AS THE REGIONS BEGIN THEIR WEST LIMB PASSAGE. SOME SMALL ACTIVITY WAS OBSERVED AT NE15-20. THE PROTON COUNTS ON ATS-1 HAVE BEEN DECREASING. THE GEOMAGNETIC FIELD HAS BEEN VERY QUIET.

B. WITH THE WEST LIMB PASSAGE OF THE REGIONS IN THE NORTH WEST, SOLAR ACTIVITY IS EXPECTED TO REMAIN VERY LOW. THE GEOMAGNETIC FIELD IS EXPECTED TO BE QUIET.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 26 DEC/0400Z ENDING 29 DEC/0400Z

CLASS M OR GREATER 40/30/30

CLASS X 02/01/01

PROTON EVENTS 02/01/01

D. OTTAWA 10.7 CM FLUXES FOR 25/1700Z AND 25/2000Z WERE 114 AND 131 RESPECTIVELY.

SOLTERWARN

SPAN

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HAUS BOU 261725

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 852B ISSUED 1700Z 26 DEC 1970

CLASS-C FLARES AND PERHAPS ONE SMALL CLASS-M FLARE ARE ANTICIPATED DURING THE NEXT 11 HOURS.

A. DURING THE PAST 13 HOURS, SEVERAL CLASS-C SUBFLARES AND A CLASS-M4 EVENT ASSOCIATED WITH A SURGE AT NW15 AT 26/0840Z HAVE BEEN REPORTED. MOST OF THE REGIONS IN THE NORTHWESTERN COMPLEX HAVE PASSED OVER THE LIMB. THE SMALL REGIONS AT N10E35 AND N28W38 ARE DEVELOPING SLOWLY AND ARE PRESENTLY THE MOST IMPRESSIVE FEATURES ON A RELATIVELY UNIMPRESSIVE DISK. NO SIGNIFICANT REGIONS ARE EXPECTED TO RETURN AT THE EAST LIMB FOR SEVERAL DAYS. THE GEOMAGNETIC FIELD HAS REMAINED RELATIVELY QUIET DURING THE LAST 24 HOURS. ATS-1 PROTON SENSORS CONTINUE TO REPORT ENHANCED FLUXES; PRESENT COUNTING RATES ARE STEADY AT 7 PARTICLES/CM2/SEC AT 5-20 MEV AND 3 PARTICLES/CM2/SEC AT 20-70 MEV, BUT THE 5-20 MEV CHANNEL REGISTERED APPROXIMATELY 13 PARTICLES/CM2/SEC AT ABOUT 26/1030Z.

B. OCCASIONAL SMALL CLASS-C FLARES AND PERHAPS ONE OR TWO SMALL CLASS-M FLARES ARE EXPECTED DURING THE THREE-DAY FORECAST PERIOD. IF ANY ENERGETIC EVENTS OCCUR DURING THE NEXT 24 HOURS, THEY PROBABLY WILL BE PRODUCED BY ONE OF THE REGIONS NOW CROSSING THE NORTHWEST LIMB. THE GEOMAGNETIC FIELD IS EXPECTED TO BE SLIGHTLY DISTURBED DURING THE NEXT THREE DAYS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 26 DEC/1700Z ENDING 29 DEC/1700Z.

CLASS M OR GREATER 40/30/30

CLASS X 02/01/01

PROTON EVENTS 02/01/01

D. OTTAWA 10.7 CM FLUX FOR 26/1400Z WAS 127. PREDICTED 10.7 CM FLUX FOR 27-29 DEC IS 129/131/134.

E. MAGNETIC A-FREDERICKSBURG FOR 25 DEC WAS 02. FOR 26 DEC ABOUT 06. PREDICTED AP FOR 27-29 DEC, 08/09/10.

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