

KMSC

HAUS BOU 270400

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 058A ISSUED 0400Z 27 FEBRUARY 1971

CLASS C ACTIVITY IS EXPECTED DURING THE NEXT 13 HOURS.

A. SOLAR ACTIVITY HAS BEEN LOW DURING THE PAST 11 HOURS. THE REGION NO8E26 HAS PRODUCED MOST OF THE ACTIVITY DURING THE PAST 24 HOURS. ALL ACTIVITY HAS BEEN NON-ENERGETIC SUBFLARES. THE REGION THAT HAS JUST COMPLETED ITS LIMB PASSAGE IN THE SOUTHWEST HAS PRODUCED SOME NON-ENERGETIC ACTIVITY. THE REST OF THE DISK HAS BEEN QUIET. THE GEOMAGNETIC FIELD HAS REMAINED DISTURBED.

B. SOLAR ACTIVITY WILL CONTINUE AT PRESENT LEVEL. THE GEOMAGNETIC FIELD WILL HAVE PERIODS OF DISTURBANCE FOR THE NEXT 24 HOURS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 27 FEB/0400Z ENDING 02 MARCH/0400Z

CLASS M OR GREATER 30/30/30

CLASS X 01/01/01

PROTON EVENTS 01/01/01

D. OTTAWA 10.7 CM FLUXES FOR 26/1700Z AND 26/2000Z WERE 146 AND 143 RESPECTIVELY.

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KMSC

HAUS BOU 271700

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 058B ISSUED 1700Z 27 FEB 1971

CLASS C FLARES ARE EXPECTED DURING THE NEXT 11 HOURS.

A. SOLAR ACTIVITY HAS REMAINED AT A LOW LEVEL DURING THE PAST 13 HOURS. THE MOST SIGNIFICANT EVENT REPORTED CONSISTED OF A CLASS C SUB-BRILLIANT FLARE AT 27/1452Z FROM THE REGION AT N08E19. A 10CM BURST OF ABOUT 160 FLUX UNITS ABOVE THE BACKGROUND LEVEL ACCOMPANIED THE 1452Z FLARE, AND A MODERATELY STRONG DECA-METRIC EVENT WAS OBSERVED SIMULTANEOUSLY. THE 1452Z FLARE OCCURRED IN PLAGE OF APPARENT FOLLOWING POLARITY AT THE NORTHWESTERN CORNER OF THE N08E19 REGION. SLIGHT DEVELOPMENT HAS OCCURRED EAST OF THE H-TYPE SPOT AT S08W34, WHERE A SPOT OF FOLLOWING POLARITY AND ENHANCED PLAGE ARE VISIBLE. FREQUENT MINOR SURGES HAVE CONTINUED ON THE SOUTHWEST LIMB. OTHER REGIONS ON THE DISK ARE QUIET AND UNIMPRESSIVE. THE GEOMAGNETIC FIELD HAS EXHIBITED OCCASIONAL PERIODS OF SLIGHT DISTURBANCE DURING THE PAST 13 HOURS.

B. DURING THE THREE-DAY FORECAST PERIOD, SOLAR ACTIVITY IS EXPECTED TO REMAIN AT A RELATIVELY LOW LEVEL CONSISTING OF OCCASIONAL CLASS C FLARES. THE GEOMAGNETIC FIELD IS EXPECTED TO BECOME RELATIVELY QUIET DURING THE NEXT 11 HOURS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 27 FEB/1700Z ENDING 02 MARCH/1700Z.

CLASS M OR GREATER 30/30/30

CLASS X 01/01/01

PROTON EVENTS 01/01/01

D. OTTAWA 10.7 CM FLUX FOR 27/1400Z WAS 144. PREDICTED 10.7 CM FLUX FOR 28 FEB-02 MAR IS 140/137/135.

E. MAGNETIC A-FREDERICKSBURG FOR 26 FEB WAS 36. FOR 27 FEB ABOUT 07 PREDICTED AP FOR 28 FEB-02 MAR, 08/08/06.

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