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KMSC

HAUS BOU 260415

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 057A ISSUED 0400Z 26 FEB 1971

CLASS C FLARES ARE EXPECTED DURING THE NEXT 13 HOURS.

A. SOLAR ACTIVITY HAS REMAINED AT A LOW LEVEL DURING THE PAST 11 HOURS, AND ONLY A FEW CLASS C SUBFLARES HAVE BEEN REPORTED. THE MOST IMPRESSIVE REGION ON THE DISK CONTAINS A C/220 SPOT GROUP WITH A SPOT OF FOLLOWER POLARITY LOCATED SOUTHWEST OF THE LEADER. FEW SIGNIFICANT CHANGES IN THE ACTIVE CENTERS ON THE DISK HAVE BEEN OBSERVED RECENTLY. THE GEOMAGNETIC FIELD, WHICH HAS BEEN SIGNIFICANTLY DISTURBED SINCE ABOUT 25/0100Z, EXHIBITED A POSITIVE MAGNETIC BAY OF APPROXIMATELY 200 GAMMAS (K INDEX EQUALS 6) ON THE D COMPONENT AT 26/0300Z. THE GEOMAGNETIC FIELD IS STILL DISTURBED AT THE TIME OF THIS MESSAGE.

B. DURING THE THREE-DAY FORECAST PERIOD, SPORADIC CLASS C FLARES AND PERHAPS ONE OR TWO SMALL CLASS M FLARES ARE LIKELY. THE GEOMAGNETIC FIELD IS EXPECTED TO EXHIBIT MINOR STORM CONDITIONS DURING THE NEXT 13 HOURS, AFTER WHICH A QUIETING TREND IS ANTICIPATED.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 26 FEB/0400Z ENDING 29 FEB/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 25/1700Z AND 25/2000Z WERE 149 AND 148 RESPECTIVELY.

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HAUS BOU 261700

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 057B ISSUED 1700Z FEB 26 1971

CLASS C FLARES EXPECTED DURING THE NEXT 11 HOURS.

A. SOLAR ACTIVITY HAS BEEN LOW AND NONENERGETIC. ALL REGIONS ARE STABLE OR DECLINING. THE GEOMAGNETIC FIELD HAS BEEN STEADY THE PAST 5 HOURS.

B. CONTINUED LOW SOLAR ACTIVITY EXPECTED. THE GEOMAGNETIC DISTURBANCE IS EXPECTED TO SUBSIDE IN 12 HOURS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 26 FEB/1700Z ENDING 29 FEB/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 26/1400Z WAS 146. PREDICTED 10.7 CM FLUX FOR 27-29 FEB IS 143/140/138.

E. MAGNETIC A-FREDERICKSBURG FOR 25 FEB WAS 30. FOR 26 FEB ABOUT 30 PREDICTED AP FOR 27-29 FEB, 15/10/08.

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