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KMSC

HAUS BOU 250400

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 056A ISSUED 0400Z 25 FEB 1971

CLASS C FLARES ARE EXPECTED DURING THE NEXT 13 HOURS.

A. A LOW LEVEL OF SOLAR ACTIVITY HAS PERSISTED DURING THE PAST 11 HOURS, AND ONLY A FEW CLASS C FLARES HAVE BEEN REPORTED. SLOW DEVELOPMENT OF THE SPOTS AND PLAGE ASSOCIATED WITH THE LEADING PART OF THE N08E52 REGION HAS BEEN OBSERVED, WHILE OTHER REGIONS ON THE DISK HAVE SHOWN LITTLE SIGNIFICANT CHANGE. AN UNIMPRESSIVE H-TYPE SPOT HAS APPEARED ON THE EAST LIMB AND IS NOW LOCATED AT N25E79. THE GEOMAGNETIC FIELD BECAME DISTURBED GRADUALLY AT ABOUT 25/0130Z, AND A POSITIVE DEFLECTION OF APPROXIMATELY 100 GAMMAS (K EQUALS 5) WAS OBSERVED ON THE D-COMPONENT AT BOULDER. UNSETTLED GEOMAGNETIC CONDITIONS STILL EXIST AT THE TIME OF THIS MESSAGE.

B. DURING THE THREE-DAY FORECAST PERIOD, SOLAR ACTIVITY IS EXPECTED TO CONSIST OF OCCASIONAL CLASS C FLARES AND INFREQUENT SMALL CLASS M FLARES. THE GEOMAGNETIC FIELD IS EXPECTED TO REMAIN IN AN UNSETTLED CONDITION DURING THE NEXT 13 HOURS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 25 FEB/0400Z ENDING 28 FEB/0400Z.

CLASS M OR GREATER 50/50/45

CLASS X 01/01/01

PROTON EVENTS 01/01/01

D. OTTAWA 10.7 CM FLUXES FOR 25/1700Z AND 24/2000Z WERE 151 AND 149 RESPECTIVELY.

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HAUS BOU 251700

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 056B ISSUED 1700Z 25 FEB 1971

CLASS C FLARES EXPECTED DURING THE NEXT 11 HOURS.

A. SOLAR ACTIVITY CONTINUES AT A LOW LEVEL. THE S17W23 GROUP CONTINUES ITS SLOW DECLINE AND IS NOW A WIDE OPEN BIPOLAR WITH LITTLE COMPLEXITY. THE NOSE45 REGION IS THE MOST INTERESTING DISK FEATURE. THE LEADER HAS GROWN AND ITS POSSIBLE THAT BIPOLAR FLUX IS EMERGING JUST TO THE SW OF THE MAIN SPOT. THE PASSING SECTOR BOUNDARY STARTED DISTURBING THE GEOMAGNETIC FIELD AT 25/0000Z AND A LARGE BAY OCCURRED BETWEEN 1400Z AND 1600Z YIELDING A K INDEX OF 6.

B. LOW ACTIVITY EXPECTED TO CONTINUE IN THE FORM OF CLASS C SUBFLARES. THE GEOMAGNETIC FIELD IS EXPECTED TO RETURN TO NORMAL CONDITIONS IN 24 HOURS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 25 FEB/1700Z ENDING 28 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 25/1400Z WAS 148. PREDICTED 10.7 CM FLUX FOR 26-28 FEB IS 146/144/140.

E. MAGNETIC A-FREDERICKSBURG FOR 24 FEB WAS 10. FOR 25 FEB ABOUT 25 PREDICTED AP FOR 26-28 FEB, 15/12/08.

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