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KMSC

HAUS BOU 240400

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 055A ISSUED 0400Z 24 FEBRUARY 1971

OCCASIONAL 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.

PENUMBRAL GROWTH AND DARKENING OF THE UMBRA HAVE BEEN OBSERVED IN THE MAIN INTERMEDIATE SPOT OF THE DORMANT REGION AT S17W05. A NEW REGION CONTAINING ARCH FILAMENTS AND A RUDIMENTARY D-TYPE SPOT GROUP IS DEVELOPING AT N05W10. RECENT SURGE ACTIVITY HAS OCCURRED ON THE EAST LIMB AT NE23, INDICATING THE PRESENCE OF A NEW REGION NEAR THAT LOCATION. THE OTHER DISK REGIONS ARE RELATIVELY UNIMPRESSIVE. UNSETTLED GEOMAGNETIC CONDITIONS HAVE DEVELOPED DURING THE PAST 13 HOURS.

B. DURING THE THREE-DAY FORECAST PERIOD, SOLAR ACTIVITY PROBABLY WILL CONSIST OF OCCASIONAL CLASS C FLARES AND INFREQUENT SMALL CLASS M FLARES. THE GEOMAGNETIC FIELD IS EXPECTED TO EXHIBIT PERIODS OF SLIGHT DISTURBANCE DURING THE NEXT 24 HOURS.

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

CLASS M OR GREATER 55/55/50

CLASS X 02/02/02

PROTON EVENTS 01/01/01

D. OTTAWA 10.7 CM FLUXES FOR 23/1700Z AND 23/2000Z WERE 146 AND 150 RESPECTIVELY.

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HAUS BOU 241705

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 055B ISSUED 1700Z 24 FEB 1971

CLASS C FLARES EXPECTED DURING THE NEXT 11 HOURS.

A. SOLAR ACTIVITY REMAINS LOW WITH NINE SUBFLARES OCCURRING IN THE PAST 13 HOURS. SMALL OPPOSITE POLARITY SPOTS ARE EMERGING NEAR THE N07E59 GROUP LEADER WHICH SEEMS TO HAVE TRIGGERED A RECENT SMALL FLARE. THE S17E12 REGION HAS CONTRIBUTED THREE SUBFLARES BUT APPEARS TO BE DECLINING IN SPOT AND PLAGE STRUCTURE.

B. NO ENERGETIC FLARES ARE EXPECTED UNTIL NEW DEVELOPEMENT OCCURRS AND RIGHT NOW THE TREND IS TOWARDS A QUIETER SUN. A SECTOR BOUNDARY IS EXPECTED TO PASS EARTH LATE TODAY OR TOMORROW SETTING UP MINOR GEOMAGNETIC DISTURBANCES.

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

CLASS M OR GREATER 40/35/30

CLASS X 01/01/01

PROTON EVENTS 01/01/01

D. OTTAWA 10.7 CM FLUX FOR 24/1400Z WAS 151. PREDICTED 10.7 CM FLUX FOR 25-27 FEB IS 152/153/150.

E. MAGNETIC A-FREDERICKSBURG FOR 23 FEB WAS 08. FOR 24 FEB ABOUT 10 PREDICTED AP FOR 25-27 FEB, 16/10/06.

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