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KMSC

HAUS BOU 170400

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 782A ISSUED 0400Z 17 OCTOBER 1970

CLASS C FLARES ARE EXPECTED DURING THE NEXT 13 HOURS.

A. SOLAR ACTIVITY HAS CONSISTED OF CLASS C FLARES DURING THE PAST 11 HOURS. A ONE NORMAL FLARE CLASS C WAS OBSERVED AT 16/2111Z FROM REGION N10E85. TWO ONE NORMAL FLARES WERE OBSERVED FROM THIS REGION DURING THE PAST 24 HOURS. THIS REGION HAS BRIGHT PLAGE WITH F TYPE SPOT GROUP AND IS STILL NOT FULLY ON THE VISIBLE DISK. THE REGION N11E02 IS SHOWING BRIGHTENINGS IN THE TRAILER PORTION. THE MAGNETIC STORM WHICH STARTED 16/0918Z ENDED 16/2045Z. THE GEOMAGNETIC FIELD IS AGAIN SHOWING DISTURBED CONDITIONS.

B. CLASS C FLARES AND AN OCCASIONAL CLASS M FLARE CAN BE EXPECTED. CLASS M FLARES ARE MOST LIKELY FROM N11E02 AND N10E71. THE GEOMAGNETIC FIELD WILL HAVE PERIODS OF DISTURBED CONDITIONS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 17 OCT/0400Z ENDING 20 OCT/0400Z

CLASS M OR GREATER 40/40/40

CLASS X 01/01/01

PROTON EVENTS 01/01/01

D. OTTAWA 10.7 CM FLUXES FOR 16/1700Z AND 16/2000Z WERE 135 AND 133 RESPECTIVELY.

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HAUS BOU 171700

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 782B ISSUED 1700Z 17 OCT 1970

CLASS-C FLARES ARE EXPECTED DURING THE NEXT 11 HOURS.

A. ONLY MINOR, RELATIVELY NON-ENERGETIC SOLAR ACTIVITY HAS BEEN REPORTED DURING THE PAST 13 HOURS. INFREQUENT CLASS-C FLARES HAVE BEEN PRODUCED BY THE REGIONS AT N13E67, N18E10, N11W06, AND S13W78. MINOR DEVELOPMENT IS IN PROGRESS IN THE SMALL D-TYPE REGION AT N11E09, AND PENUMBRAL GROWTH HAS OCCURRED IN THE COMPACT D-TYPE REGION AT S13W78; OTHER REGIONS HAVE SHOWN LITTLE SIGNIFICANT DEVELOPMENT. THE GEOMAGNETIC FIELD HAS BEEN MODERATELY DISTURBED DURING THE PAST 13 HOURS, BUT CONDITIONS HAVE BECOME MORE STABLE DURING THE LAST TWO HOURS.

B. SPORADIC CLASS-C FLARES ARE ANTICIPATED DURING THE FORECAST PERIOD. THE MOST SIGNIFICANT ACTIVITY IS EXPECTED TO BE PRODUCED AT THE N13E67, N11W06, AND S13W78 SITES. THE GEOMAGNETIC FIELD IS EXPECTED TO SHOW PERIODS OF OCCASIONAL MINOR DISTURBANCE DURING THE NEXT THREE DAYS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 17 OCT/1700Z ENDING 20 OCT/1700Z.

CLASS M OR GREATER 40/40/40

CLASS X 01/01/01

PROTON EVENTS 01/01/01

D. OTTAWA 10.7 CM FLUX FOR 17/1400Z WAS 133. PREDICTED

10.7 CM FLUX FOR 18-20 OCT IS 133/132/130.

E. MAGNETIC A-FREDERICKSBURG FOR 16 OCT WAS 31. FOR 17 OCT ABOUT 17. PREDICTED AP FOR 18-20 OCT, 11/14/09.

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