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KMSC

HAUS BOU 100400

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 775A ISSUED 0400Z 10 OCTOBER 1970

CLASS C FLARES AND AN OCCASIONAL CLASS M FLARE ARE EXPECTED DURING THE NEXT 13 HOURS.

A. SOLAR ACTIVITY HAS BEEN VERY LOW DURING THE PAST 11 HOURS. A FEW CLASS C FLARES HAVE BEEN OBSERVED FROM THE REGIONS S12E38 AND S10W39. THE REGION S10W39 IS NO LONGER A COMPLEX REGION. THE 9.1 CM RADIO EMISSION HAS DECREASED AND ITS POTENTIAL FOR FLARE PRODUCTION HAS DECREASED. TWO SMALL BRIGHT PLAGES ARE VISIBLE AT ABOUT N13E90 BUT NO SPOTS ARE VISIBLE AT THIS TIME. THE GEOMAGNETIC FIELD IS EXTREMELY QUIET.

B. CLASS C FLARES ARE EXPECTED AND ONE OR TWO CLASS M FLARES ARE PROBABLE DURING THE NEXT 72 HOURS FROM REGION S12E38 AND S10W39. IT IS EXPECTED THAT A MINOR MAGNETIC DISTURBANCE WILL START DURING THE NEXT 24 HOURS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 10 OCT/0400Z ENDING 13 OCT/0400Z  
CLASS M OR GREATER 60/60/60

CLASS X 02/02/02

PROTON EVENTS 01/01/01

D. OTTAWA 10.7 CM FLUXES FOR 09/1700Z AND 09/2000Z WERE 151 AND 142 RESPECTIVELY.

SOLTERWARN

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HAUS BOU 101700

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO  
SDF NUMBER 775B ISSUED 1700Z 10 OCT 1970

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

A. SOLAR ACTIVITY HAS DECLINED SLIGHTLY DURING THE PAST 13 HOURS; ONLY CLASS-C SUBFLARES, MOST OF THEM FROM S10W48 AND S12E18, HAVE BEEN REPORTED. A SMALL COMPACT REGION NOW IS VISIBLE AT S12E84, AND THIS REGION HAS PRODUCED OCCASIONAL SURGES AND A SUBNORMAL FLARE AT 10/1411Z. EVALUATION OF THE REGION AT N08E90 PRESENTLY IS HAMPERED BY THE PROXIMITY OF THAT REGION TO THE LIMB. NO SIGNIFICANT CHANGES HAVE BEEN OBSERVED IN THE OTHER DISK REGIONS. THE GEOMAGNETIC FIELD HAS REMAINED RELATIVELY QUIET EXCEPT FOR A MAGNETIC BAY OF APPROXIMATELY 50 GAMMAS AT 10/0630-0730Z AT BOULDER.

B. ONLY MINOR SOLAR ACTIVITY IS ANTICIPATED DURING THE FORECAST PERIOD; ONE OR TWO SMALL CLASS-M EVENTS ARE LIKELY DURING THE THREE-DAY INTERVAL. UNSETTLED GEOMAGNETIC CONDITIONS ARE LIKELY DURING THE NEXT 48 HOURS, WITH K-VALUES OF FOUR OR LESS EXPECTED AT MIDDLE-LATITUDE STATIONS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 10 OCT/1700Z ENDING 13 OCT/1700Z.

CLASS M OR GREATER 50/45/45

CLASS X 02/02/02

PROTON EVENTS 01/01/01

D. OTTAWA 10.7 CM FLUX FOR 10/1400Z WAS 146. PREDICTED 10.7 CM FLUX FOR 11-13 OCT IS 143/140/140.

E. MAGNETIC A-FREDERICKSBURG FOR 09 OCT WAS 00. FOR 10 OCT ABOUT 07. PREDICTED AP FOR 11-13 OCT, 11/11/08.

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