

NNNN0400

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KMSC QK

HAUS BOU 140400

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 810A ISSUED 0400Z 14 NOVEMBER 1970

CLASS M FLARES ARE EXPECTED DURING THE NEXT 13 HOURS.

A. A CLASS M3 EVENT A SB FLARE IN REGION N14E09 WAS OBSERVED AT 13/2317Z. THIS REGION NOW N14E05 HAS PRODUCED MOST OF THE SOLAR ACTIVITY DURING THE PAST 24 HOURS. THE REGION HAS BRIGHT PLAGE AND IS SHOWING SPOT GROWTH BETWEEN THE LEADER AND FOLLOWER PORTIONS OF THE GROUP. THE GROUP HAS INCREASED IN SIZE AND IS BECOMING MORE COMPACT. THE GEOMAGNETIC FIELD HAS BEEN QUIET.

B. SPORADIC CLASS M FLARES ARE EXPECTED FROM THE REGION N14E05.

IF THE GROWTH CONTINUES THE PROBABILITY OF CLASS M FLARES WILL INCREASE. THE OTHER REGIONS ARE NOT EXPECTED TO PRODUCE MAJOR FLARES. THE GEOMAGNETIC FIELD WILL REMAIN QUIET.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 14 NOV/0400Z ENDING 17 NOV/0400Z.

CLASS M OR GREATER 85/85/85

CLASS X 05/05/05

PROTON EVENTS 05/05/05

D. OTTAWA 10.7 CM FLUXES FOR 13/1700Z AND 3/2000Z WERE BOTH 183.

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HAUS BOU 141700

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 310B ISSUED 1700Z 14 NOV 1970

FREQUENT CLASS-M FLARES ARE EXPECTED DURING THE NEXT 11 HOURS.

A. SOLAR ACTIVITY HAS RISEN TO A MODERATELY HIGH LEVEL DURING THE PAST 13 HOURS; THE COMPLEX STILL-DEVELOPING REGION AT N15W02 HAS DEVELOPED STRONG MAGNETIC GRADIENTS AND HAS PRODUCED FREQUENT SMALL FLARES, SEVERAL OF THEM OF CLASS-M INTENSITY. THE MOST ENERGETIC EVENT REPORTED WAS A SUB-NORMAL CLASS-M7 FLARE AT N17W00 AT 14/1510Z. CONSIDERABLE DEVELOPMENT OF THE CENTRAL PENUMBRA HAS TAKEN PLACE, AND A DELTA COMPLEX MAY EXIST THERE. APPARENTLY SOME INTERACTION IS TAKING PLACE BETWEEN THE N15W02 REGION AND THE SMALL PLAGE REGION AT N14W16. THE E/230 REGION AT S10E31 HAS SHOWN MINOR DEVELOPMENT BUT HAS PRODUCED ONLY A FEW MINOR SUBFLARES. THE GEOMAGNETIC FIELD HAS REMAINED QUIET.

B. SOLAR ACTIVITY IS EXPECTED TO REMAIN AT A RELATIVELY HIGH LEVEL DURING THE NEXT 11 HOURS; FREQUENT SMALL CLASS-M EVENTS ARE EXPECTED TO OCCUR AT N15W02 DURING THE FORECAST PERIOD, AND ONE OR TWO LARGE CLASS-M FLARES OR SMALL CLASS-X FLARES ARE LIKELY DURING THE NEXT 24 HOURS. THE GEOMAGNETIC FIELD IS EXPECTED TO REMAIN UNUSUALLY QUIET FOR THE NEXT THREE DAYS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 14 NOV/1700Z ENDING 17 NOV/1700Z.

CLASS M OR GREATER 99/99/90

CLASS X 30/30/15

PROTON EVENTS 10/15/10

D. OTTAWA 10.7 CM FLUX FOR 14/1400Z WAS 236. (POSSIBLY FLARE-ENHANCED). PREDICTED 10.7 CM FLUX FOR 15-17 NOV IS 193/202/194.

E. MAGNETIC A-FREDERICKSBURG FOR 13 NOV WAS 06. FOR 14 NOV ABOUT 06. PREDICTED AP FOR 15-17 NOV, 05/05/04.

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