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KMSC

HAUS BOU 010400Z

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 736A ISSUED 0400Z 01 SEPTEMBER 1970

CLASS C FLARES ARE EXPECTED DURING THE NEXT 13 HOURS.

A. SOLAR ACTIVITY HAS CONTINUED AT ITS LOW LEVEL DURING THE PAST 11 HOURS. THE REGION N17E57 HAS PRODUCED MOST OF THE ACTIVITY WHICH HAS BEEN NON-ENERGETIC SUBFLARES. THE LEADER PORTION OF N17E57 APPEARS TO BE BREAKING UP. THE GEOMAGNETIC FIELD IS SHOWING PERIODS OF DISTURBED CONDITIONS.

B. SOLAR ACTIVITY IS EXPECTED TO REMAIN AT A LOW LEVEL WITH CLASS C FLARES AND AN OCCASIONAL CLASS M FLARE. THE GEOMAGNETIC FIELD WILL CONTINUE TO HAVE PERIODS OF DISTURBANCE.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 01 SEPT/0400Z ENDING 04 SEPT/0400Z

CLASS M OR GREATER 80/80/80

CLASS X 10/10/10

PROTON EVENTS 02/02/02

D. OTTAWA 10.7 CM FLUXES FOR 31/1700Z AND 31/2000Z WERE 152 AND 155 RESPECTIVELY.

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HAUS BOU ⁰¹1700Z

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 736B ISSUED 1700Z 01 SEPT 1970

CLASS M FLARES EXPECTED DURING THE NEXT 11 HOURS.

A. A RETURNING REGION NEAR N23E LIMB LOOKS TO BE QUITE ACTIVE.

A CLASS M EVENT OCCURRED HERE IN THE FORM OF AN IMP. 2 SPRAY AT 01/1213Z. RIOMETER ABSORPTION AND SIDS ACCOMPANIED THE SPRAY WHICH MORE THAN LIKELY WAS A FLARE BEHIND OR ON THE LIMB. THE LIMB REGION HAS PRODUCED FOUR SPRAY ASSOCIATED FLARES IN THE PAST 8 HOURS. A LARGE H TYPE SPOT CAN BE SEEN AT N22E85. THE S05E26 REGION IS GROWING, HAS MODERATELY BRIGHT PLAGE AND IS PRODUCING OCCASIONAL SUBFLARES. THE N17E49 REGION HAS LARGER PENUMBRA IN THE LEADER AND AN ACTIVE FILAMENT RUNNING EAST-WEST THROUGH THE TRAILER. OTHER REGIONS ARE DECLINING. A GEOMAGNETIC BAY OF 90 GAMMAS OCCURRED AT 01/1030Z, (K EQUAL 5).

B. SOLAR ACTIVITY IS MODERATELY LOW WITH A RISE EXPECTED DUE TO RETURNING REGIONS IN THE NEXT 72 HOURS. OCCASIONAL CLASS M FLARES CAN BE EXPECTED. THE GEOMAGNETIC FIELD IS EXPECTED TO BE DISTURBED FOR 24 HOURS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 01 SEPT/1700Z ENDING 04 SEPT/1700Z.

CLASS M OR GREATER 90/80/80

CLASS X 20/10/10

PROTON EVENTS 02/02/02

D. OTTAWA 10.7 CM FLUX FOR 01/1400Z WAS 156. PREDICTED 10.7 CM FLUX FOR 02-04 SEPT IS 164/166/168.

E. MAGNETIC A-FREDERICKSBURG FOR 31 AUG WAS 11. FOR 01 SEPT ABOUT 25. PREDICTED AP FOR 02-04 SEPT, 15/12/10.

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