

NNNN0400

NNNNEG

KMSC

HAUS BOU 110400

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 837A ISSUED 0400Z 11 DEC 1970

CLASS M EVENTS ARE EXPECTED DURING THE NEXT 13 HOURS.

A. TWO CLASS M1 EVENTS HAVE OCCURRED DURING THE LAST 11 HOURS--A CLASS M SUBNORMAL FLARE AT 10/1748Z IN THE REGION NEAR S10W06 AND A CLASS M1 AT 10/2018Z WHICH WAS NOT OBSERVED OPTICALLY. THE S10W06 REGION REMAINS BRIGHT BUT SOME OF THE LARGER SPOTS ARE DECREASING IN SIZE. GROWTH IS REPORTED IN THE MAGNETICALLY COMPLEX REGION NEAR N13E41. THE N15E09 REGION MAY BE SIMPLIFYING. THE GEOMAGNETIC FIELD HAS BEEN QUIET.

B. ENERGETIC EVENTS ARE EXPECTED FROM THE NE REGIONS. CLASS M EVENTS ARE EXPECTED AND CLASS X ARE POSSIBLE.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 11 DEC/0400Z ENDING 14 DEC/0400Z.

CLASS M OR GREATER 100/100/100

CLASS X 50/50/50

PROTON EVENTS 02/05/05

D. OTTAWA 10.7 CM FLUXES FOR 10/1700Z AND 10/2000Z WERE 176 AND 175 RESPECTIVELY.

SOLTERWARN

SPAN

BT

HAUS BOU 111710

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 837B ISSUED 1700Z 11 DEC 1970

CLASS M EVENTS ARE EXPECTED DURING THE NEXT 11 HOURS.

A. THE SUN REMAINS ACTIVE PRODUCING THREE CLASS M FLARES AND A CLASS X2, OPTICAL 1B, FLARE BEGINNING AT 11/1016Z LOCATION N15E36. A MAJOR RADIO BURST OCCURRED AT THIS TIME WITH 640 F.U. AT TEN CM RECORDED ABOVE BACKGROUND.

THE N13E35 AND N15E02 REGIONS CONTINUE THEIR DYNAMIC EVOLUTION. ACTIVE ABSORPTION FEATURES AND COMPLEX MAGNETIC CONFIGURATIONS CHARACTERIZE BOTH REGIONS. THE S10E13 REGION HAS BEEN ACTIVE PRODUCING SEVERAL SMALL CLASS M FLARES AND IS DEVELOPING IN BOTH H-ALPHA AND WHITE LIGHT.

B. MORE ENERGETIC SOLAR FLARES EXPECTED AT THE RATE OF SEVERAL CLASS M FLARES PER DAY AND POSSIBLY ANOTHER CLASS X IN THE NEXT 48 HOURS. ATS-1 PROTON COUNTS ARE AT BACKGROUND AND ONLY A SMALL SATELLITE LEVEL PROTON FLUX ENHANCEMENT, IF ANY, IS EXPECTED.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 11 DEC/1700Z ENDING 14 DEC/1700Z.

CLASS M OR GREATER 100/100/100

CLASS X 50/50/50

PROTON EVENTS 05/05/05

D. OTTAWA 10.7 CM FLUX FOR 11/1400Z WAS 177. PREDICTED 10.7 CM FLUX FOR 12-14 DEC IS 179/181/181.

E. MAGNETIC A-FREDERICKSBURG FOR 10 DEC WAS 01. FOR 11 DEC ABOUT 00. PREDICTED AP FOR 12-14 DEC, 02/06/08.

SOLTERWARN

SPAN

BT