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KMSC

HAUS BOU 080400

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 834A ISSUED 0400Z 08 DECEMBER 1970

CLASS C FLARES ARE EXPECTED AND AN OCCASIONAL CLASS M FLARES IS PROBABLE.

A. SOLAR ACTIVITY HAS BEEN MODERATELY LOW DURING THE PAST 11 HOURS. ONLY CLASS C EVENTS HAVE BEEN OBSERVED AND THESE HAVE BEEN MAINLY FROM THE REGION S10E35. THE REGIONS ON THE NORTH EAST ARE COMPLEX IN STRUCTURE AND SMALL SURGES ARE STILL BEING OBSERVED FROM BEYOND THE EAST LIMB. MORE REGIONS ARE STILL MAKING THEIR EAST LIMB TRANSIT. THE GEOMAGNETIC FIELD IS SLIGHTLY DISTURBED.

B. CLASS C FLARES AND AN OCCASIONAL CLASS M FLARES WILL BE EXPECTED FROM THE NORTH EAST AND THE SOUTH EAST REGIONS. THE GEOMAGNETIC FIELD WILL CONTINUE WITH DISTURBED PERIODS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 08 DEC/0400Z ENDING 11 DEC/0400Z.

CLASS M OR GREATER 90/90/90

CLASS X 10/10/10

PROTON EVENTS 01/01/01

D. OTTAWA 10.7 CM FLUXES FOR 07/1700Z AND 07/2000Z WERE 167 AND 171 RESPECTIVELY.

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HAUS BOU 081700

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 834B ISSUED 1700Z 08 DECEMBER 1970

CLASS M FLARES ARE EXPECTED DURING THE NEXT 11 HOURS

A. A CLASS X1 FLARE, LOCATION N13E30, OCCURRED AT 08/0425Z OPTICALLY CLASSIFIED AS 1N, 1B, SB BY THREE OBSERVATORIES. THE FLARE PRODUCED A MAJOR IONOSPHERIC DISTURBANCE BUT THERE WAS LITTLE ENERGY OUTPUT IN RF. THIS REGION REMAINS ACTIVE WITH FREQUENT SMALL FLARES IN THE TRAILING PORTION. THE N14E44 REGION CONTAINS MIXED POLARITIES AND A POSSIBLE WEAK DELTA IN THE MAIN TRAILER. HIGH MAGNETIC GRADIENTS AND A HIGHLY CONVOLUTED NEUTRAL LINE INDICATE A COMPLEX REGION HERE. THE MAGNETIC FIELD HAS BEEN DISTURBED THE PAST 12 HOURS.

B. SOLAR ACTIVITY IS EXPECTED TO BE ENERGETIC AND FROM THE TWO NE REGIONS. ANOTHER REGION IS DUE BACK TODAY AT NE09 WHICH PRODUCED 16 M FLARES AND ONE X DURING ITS LAST TRANSIT WHICH MIGHT CONTRIBUTE ADDITIONAL FLARES TO THE ACTIVE NE QUADRANT OF THE SUN. GEOMAGNETIC ACTIVITY EXPECTED TO DECLINE SLOWLY IN THE NEXT THREE DAYS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 08 DEC/1700Z ENDING 11 DEC/1700Z.

CLASS M OR GREATER 95/95/95

CLASS X 25/25/25

PROTON EVENTS 02/02/02

D. OTTAWA 10.7CM FLUX FOR 08/1400Z WAS 173. PREDICTED 10.7CM FLUX FOR 09-11DEC IS 174/177/180.

E. MAGNETIC A-FREDERICKSBURG FOR 07 DEC WAS 07. FOR 08 DEC ABOUT 18. PREDICTED AP FOR 09-11 DEC IS 12/12/08.

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