

NNNN0350

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KMSC

HAUS BOU 070400Z

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SDF NUMBER 589A ISSUED 0400Z 07 APRIL 1970

CLASS M FLARES ARE EXPECTED DURING THE NEXT 13 HOURS.

A. SOLAR ACTIVITY HAS INCREASED DURING THE PAST 24 HOURS. CLASS M FLARES HAVE INCREASED IN FREQUENCY. THE TWO REGIONS N11E29 AND S12E31 HAVE BEEN MOST ACTIVE. AT 06/1943Z THE SE REGION HAD THREE VERY BRIGHT POINTS BUT WERE SEPARATED BY SEVERAL DEGREES AND WERE ON THE EDGES OF THIS COMPLEX REGION. IN THIS REGION THE CENTRAL PORTION HAS DIVIDED BUT IS NOT DECAYING. THE REGION N17W06 HAS SHOWN RAPID GROWTH AND DEVELOPMENT. THE GEOMAGNETIC FIELD REMAINS DISTURBED.

B. SOLAR ACTIVITY IS EXPECTED TO REMAIN AT HIGHER LEVEL ESPECIALLY FROM S12E31, N11E29 AND N17W06. THE GEOMAGNETIC FIELD WILL REMAIN DISTURBED NEXT 24 HOURS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 07 APRIL/0400Z ENDING 10 APRIL/0400Z

CLASS M OR GREATER 90/90/90

CLASS X 30/30/30

PROTON EVENTS 10/10/10

D. OTTAWA 10.7 CM FLUX 06/1700Z WAS 193. NO READING 06/2000Z.

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HAUS BOU 071730Z

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SDF NUMBER 589B ISSUED 1700Z 07 APRIL 1970

CLASS-M ACTIVITY IS ANTICIPATED DURING THE NEXT 11 HOURS.

A. THE LARGE ACTIVE REGION AT S12E21 HAS DOMINATED SOLAR ACTIVITY DURING THE PAST 13 HOURS; A SUB-BRIGHT CLASS-M EVENT OCCURRED IN THIS REGION AT 07/0547Z, AND A ONE-BRIGHT CLASS-M EVENT OCCURRED AT THE SAME LOCATION AT 07/0733Z. ALTHOUGH FULL REPORTS HAVE NOT YET BEEN RECEIVED, IT APPEARS THAT AN EVENT, POSSIBLY A CLASS-M, OCCURRED AT ABOUT 07/1600Z; AT THIS TIME BRIGHTENINGS APPROACHING ONE-BRILLIANT INTENSITY WERE REPORTED, 10 MHZ AND 15 MHZ SHORT-WAVE FADES OCCURRED, 3CM AND 184 MHZ RADIO NOISE INCREASED SIGNIFICANTLY, AND PHASE ANOMALIES WERE NOTED ON VLF CHANNELS. THE PLAGE OF THE REGION AT S12E21 HAD BEEN ENHANCED TO NEAR-FLARE BRIGHTNESS FOR SEVERAL HOURS, AND SPOT GROWTH HAS OCCURRED BETWEEN THE CENTRAL PORTION AND THE STRONG LEADER SPOT OF THIS GROUP. SOLRAD SATELLITE X-RAY DETECTORS REPORT A SIGNIFICANT ENHANCEMENT OF BACKGROUND RADIATION LEVELS. A NEW B-TYPE GROUP HAS NOW VISIBLE AT N17E80, AND A J-TYPE SPOT WITH ESSENTIALLY NO PLAGE HAS APPEARED AT S12E77. ALL OTHER REGIONS ON THE DISK APPEAR RELATIVELY STABLE. A NOISE STORM IS PRESENTLY IN PROGRESS ON 184 MHZ. THE GEOMAGNETIC FIELD HAS BEEN SOMEWHAT DISTURBED.

B. SIGNIFICANT FLARE ACTIVITY IS LIKELY DURING THE NEXT 24 HOURS; CLASS-M EVENTS ARE EXPECTED FROM THE LARGE ACTIVE REGION AT S12E21. THE REGIONS AT N11E19, N28E08, N27E01, S14W09, S11W18, AND N17W16 ARE EXPECTED TO REMAIN RELATIVELY QUIET THOUGH ONE OR MORE OF THESE GROUPS COULD PRODUCE A CLASS-M EVENT IF ADDITIONAL DEVELOPMENT OCCURS. THE GEOMAGNETIC FIELD IS EXPECTED TO REMAIN VERY SLIGHTLY DISTURBED.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 07 APRIL/1700Z ENDING 10 APRIL/1700Z.

CLASS M OR GREATER 90/90/90

CLASS X 40/50/50

PROTON EVENTS 15/15/20

D. OTTAWA 10.7 CM FLUX TODAY IS 192. PREDICTED 195/198/200.

E. MAGNETIC A-FREDERICKSBURG FOR 06 APRIL WAS 20. FOR 07 APRIL ABOUT 12 PREDICTED AP FOR 08-10 APRIL, 10/08/08.

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