

NNNN0350

NNNN

KMSC

HAUS BOU 050400Z

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SDF NUMBER 587A ISSUED 0400Z 05 APRIL 1970

CLASS C ACTIVITY IS EXPECTED AND CLASS M ACTIVITY IS PROBABLE DURING THE NEXT 13 HOURS.

A. THE REGION S14E57 HAS PRODUCED THE GREATEST AMOUNT OF ACTIVITY DURING THE PAST 11 HOURS. ALL THE FLARES HAVE BEEN CLASS C WITH THE LARGEST A 1N AT 04/2051Z. THIS REGION ACCORDING TO MT WILSON DOES NOT CONTAIN A DELTA CONFIGURATION. STANFORD 9.1 CM RADIO BRIGHTNESS TEMPERATURE IS 800,000 DEGREES KELVIN WHICH IS A SUBSTANTIAL INCREASE DURING PAST 24 HOURS. REGION N11E55 HAS SHOWN RAPID GROWTH DURING PAST 8 HOURS. SOME GROWTH HAS ALSO BEEN OBSERVED N06W51. THE GEOMAGNETIC FIELD IS QUIET.

B. CLASS C WITH AN OCCASIONAL CLASS M FLARES ARE PROBABLE FROM S14E57, N11E55, N06W51. NO CHANGE IS EXPECTED IN GEOMAGNETIC FIELD.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 05 APRIL/0400Z ENDING 08 APRIL/0400Z

CLASS M OR GREATER 70/70/70

CLASS X 10/10/10

PROTON EVENTS 05/05/05

D. OTTAWA 10.7 CM FLUXES 04/1700Z AND 2000Z WERE 170 AND 174 RESPECTIVELY.

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HAUS BOU 051712Z

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SDF NUMBER 587BH ISSUED 1700Z 05 APRIL 1970

CLASS-C ACTIVITY IS EXPECTED AND CLASS-M ACTIVITY IS PROBABLE
DURING THE NEXT 11 HOURS.

A. THE MOST SIGNIFICANT SOLAR ACTIVITY DURING THE PAST 13 HOURS HAS CONSISTED OF AN IMPORTANCE ONE-NORMAL FLARE AT 05/0632Z FROM THE REGION AT N06W59 AND AN IMPORTANCE ONE-NORMAL FLARE AT 05/1338Z FROM THE REGION AT S12E47. ALL FLARE ACTIVITY HAS BEEN OF CLASS-C X-RAY CLASSIFICATION EXCEPT FOR THE 1338Z FLARE, THE CLASSIFICATION OF WHICH HAS NOT BEEN REPORTED. CHANGES IN THE SPOT STRUCTURE OF THE COMPLEX CENTERED AROUND S12E47 INDICATE THAT MAJOR FLARE ACTIVITY IS AT LEAST POSSIBLE FROM THIS REGION; A WEAK DELTA CONFIGURATION MAY EXIST IN THIS COMPLEX. OTHER REGIONS ON THE DISK HAVE EXHIBITED MINOR ACTIVITY AND GROWTH. DURING THE PAST EIGHT HOURS THE GEOMAGNETIC FIELD HAS BEEN SLIGHTLY DISTURBED.

B. CLASS-C AND SPORADIC CLASS-M ACTIVITY IS ANTICIPATED FROM THE REGIONS AT S12E47, N11E44, N28E30, S12E12, AND N07W61. THE REGION AT S12E47, THOUGH PRESENTLY RELATIVELY QUIET, IS CAPABLE OF PRODUCING MAJOR FLARES IF AN INCREASE IN ACTIVITY OCCURS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 05 APRIL/1700Z ENDING 08 APRIL/1700Z.

CLASS M OR GREATER 80/80/80

CLASS X 15/15/15

PROTON EVENTS 10/10/10

D. OTTAWA 10.7 CM FLUX TODAY IS 194.4. (POSSIBLY ENHANCED BY THE 1338Z FLARE) PREDICTED 182/187/190.

E. MAGNETIC A-FREDERICKSBURG FOR 04 APRIL WAS 08. FOR 05 APRIL ABOUT 06 PREDICTED AP FOR 06-08 APRIL, 08/10/10.

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