

NNNN0349

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KMSC

HAUS BOU 050400Z

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SDF NUMBER 617A ISSUED 0400Z 05 MAY 1970

ONLY CLASS C ACTIVITY IS EXPECTED DURING THE NEXT 13 HOURS.

A. ONE CLASS M EVENT WAS REPORTED 04/1932Z. NO OPTICAL OBSERVATIONS WERE MADE DURING THIS TIME BUT XRAY DATA INDICATES A CLASS M EVENT.

AT 04/2222Z THE LARGE BUSHY FILAMENT N38E14 STARTED TO SHOW POINT BRIGHTENINGS. THESE CONTINUED AND DEVELOPED INTO TWO RIBBON-LIKE BRIGHTENINGS ALONG THE EDGE OF THE FILAMENT UNTIL 04/2302Z WHEN IT REACHED OPTICAL 2F FLARE INTENSITY. THE AREA REMAINED ENHANCED AND THE FILAMENT LIFTED OFF THE DISK. NO RADIO EFFECTS WERE EVIDENT FROM THE FLARE. THE GEOMAGNETIC FIELD IS SLIGHTLY DISTURBED.

B. SOLAR ACTIVITY WILL BE CONFINED TO CLASS C FLARES WITH AN OCCASIONAL CLASS M FLARE. THE GEOMAGNETIC FIELD WILL REMAIN DISTURBED DURING THE NEXT 24 HOURS.

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

CLASS M OR GREATER 45/45/45

CLASS X 02/02/02

PROTON EVENTS 02/02/02

D. OTTAWA 10.7 CM FLUXES FOR 04/1700Z AND 2000Z WERE 161 AND 163 RESPECTIVELY.

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HAUS BOU 051700Z

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SDF NUMBER 617B ISSUED 1700Z 05 MAY 1970

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

A. SOLAR ACTIVITY HAS BEEN AT A MODERATELY LOW LEVEL DURING THE PAST ELEVEN HOURS; ONLY CLASS-C FLARES HAVE BEEN REPORTED. THE REGION AT N18E51 HAS BEEN PRODUCING SUBFLARES WITH INCREASING FREQUENCY, AND GROWTH AND DEVELOPMENT HAVE OCCURRED IN THE SPOTS AND PLAGE ASSOCIATED WITH THIS GROUP. SPOT GROWTH ALSO HAS OCCURRED EAST OF THE LEADER SPOT NEAR S09W54. THE REGION AT N19W73 HAS PRODUCED SPORADIC SUBFLARES. THE GEOMAGNETIC FIELD HAS BEEN ONLY SLIGHTLY DISTURBED.

B. SOLAR ACTIVITY DURING THE NEXT 24 HOURS IS EXPECTED TO CONSIST OF CLASS-C FLARES WITH SPORADIC ENERGETIC ACTIVITY OF CLASS-M INTENSITY. THE REGION AT N18E51 IS EXPECTED TO DOMINATE DISK ACTIVITY, WITH LESS FREQUENT ACTIVITY OCCURRING IN THE REGIONS AT S09W54 AND AT N19W73. THE GEOMAGNETIC FIELD IS EXPECTED TO REMAIN SLIGHTLY DISTURBED.

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

CLASS M OR GREATER 55/55/55

CLASS X 05/05/05

PROTON EVENTS 02/02/02

D. OTTAWA 10.7 CM FLUX TODAY IS 165. PREDICTED 170/174/178.

E. MAGNETIC A-FREDERICKSBURG FOR 04 MAY WAS 07. FOR 05 MAY ABOUT 09 PREDICTED AP FOR 06-08 MAY, 09/09/11.

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