

NNNN

KMSC

HAUS BOU 020400Z

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SDF NUMBER 553A ISSUED 0400Z 02 MARCH 1970

CLASS M FLARES ARE EXPECTED AND CLASS X FLARES ARE PROBABLE DURING THE NEXT 13 HOURS.

A. ONE CLASS X EVENT AND TWO CLASS M EVENTS HAVE BEEN OBSERVED SINCE SDF 552B. THE CLASS X EVENT 01/1955Z OPTICAL 2B WAS OBSERVED IN THE NORTH WEST REGION. THE TWO CLASS M EVENTS 01/1747Z AND 01/1910Z WERE BOTH ASSOCIATED WITH THIS SAME NW REGION. THE MAJOR ACTIVITY HAS REDUCED IN INTENSITY DURING THE PAST EIGHT HOURS. THE GEOMAGNETIC DISTURBANCE CONTINUES BUT HAS REDUCED IN INTENSITY DURING PAST 6 HOURS.

B. THE REGIONS N15W38 AND N07E41 ARE STILL THE FLARE PRODUCERS BUT THE NE REGION HAS UNDERGONE SOME CHANGES WHICH WILL PROBABLY REDUCE ITS POTENTIAL FOR MAJOR FLARES. 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 02 MAR/0400Z ENDING 05 MAR/0400Z
CLASS M OR GREATER 90/90/90

CLASS X 40/40/40

PROTON EVENTS 10/10/10

D. OTTAWA 10.7 CM FLUX 01/1700Z AND 2000Z WERE 181 AND 174 RESPECTIVELY.

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HAUS BOU 021732Z

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SDF NUMBER 553B ISSUED 1700Z 02 MARCH 1970

CLASS M FLARES ARE EXPECTED DURING THE NEXT 11 HOURS.

A. SOLAR ACTIVITY REMAINS AT A HIGH LEVEL WITH THE LATEST CLASS M EVENTS AT 02/0016Z (IMP 1B), 02/0045Z (IMP 2B) AND A TENTATIVE CLASS M FLARE AT 02/1330Z (IMP 1B/2B). THIS LAST FLARE PRODUCED A 144 F.U. 10 CM RADIO BURST ABOVE BACKGROUND AT 02/1343Z AND WAS FOLLOWED BY TYPE IV DEKAMETRIC RADIO CONTINUUM. ALL OF THE ABOVE FLARES WERE OBSERVED FROM THE N07E31 REGION. IN WHITE LIGHT THE TWO LEADING UMBRAS HAVE SHOWN PROPER MOTION AND ARE CURRENTLY JOINED BY ONE PENUMBRAL AREA. THIS REGION HAS BEEN AT FLARE BRIGHTNESS SINCE THE START OF THIS ZULU DAY. THE REMAINING REGIONS ARE UNCHANGED. THE MINOR GEOMAGNETIC STORM IS GRADUALLY DECREASING IN INTENSITY.

B. THE REGION AT N07E31 IS EXPECTED TO CONTINUE TO PRODUCE CLASS M AND A FEW CLASS X FLARES AT ITS CURRENT RATE. THE GEOMAGNETIC DISTURBANCE IS EXPECTED TO END WITHIN 18 HOURS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 02/1700Z AND ENDING 05/1700Z.

CLASS M OR GREATER 100/100/90

CLASS X 60/60/50

PROTON EVENTS 10/15/15

D. OTTAWA 10.7 CM FLUX AT 1400Z WAS 201. (FLARE CONTAMINATION) PREDICTED 175/170/170.

E. MAGNETIC A-FREDERICKSBURG FOR 01 MARCH WAS 18. FOR 02 MARCH ABOUT 27 PREDICTED AP FOR 3-5 MARCH, 12/8/8.

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