

KMSC

HAUS BOU 050400Z

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 678A ISSUED 0400Z 05 JULY 1970

SMALL M EVENTS, I.E. BORDERLINE CASES, ARE EXPECTED DURING THE NEXT 13 HOURS.

A. VERY LIKELY THE SN FLARE OF 04/1955Z (S06W07) WAS A SMALL M EVENT. ABOUT 35 CLASS C FLARES WERE REPORTED YESTERDAY, BUT NONE OTHER THAN THE ABOVE WERE ACCOMPANIED BY SIGNIFICANT SHORT OR LONG WAVELENGTH EMISSIONS. THE MOST ACTIVE REGION DURING THE PAST 24 HOURS HAS BEEN THE D/800 SPOT GROUP NEAR S07W14 - THE ONE ESSENTIALLY DOMINATING THE DISK IN SIZE AND STRUCTURE. CURRENTLY THERE ARE FOUR DISK FEATURES WITH AREAS ABOUT 300 MILLIONTHS OR GREATER; TWO OF THESE - THOSE NEAR S02W30 AND S08E30 - ARE STILL ON THE RISING PORTIONS OF THEIR RESPECTIVE DEVELOPMENT CURVES WHILE THE S07W14 AND N23W55 CENTERS ARE EITHER STABLE OR DECLINING. H-ALPHA OBSERVATIONS JUST BEFORE MESSAGE TIMX INDICATE NO ACTIVITY ACROSS THE DISK. THE SUBSTORM LEVEL GEOMAGNETIC FLUCTUATIONS REPORTED IN THE PREVIOUS FORECAST SUBSIDED ABOUT 04/1000Z. "STORM" DURATION WAS NO MORE THAN 12 HOURS.

B. NO CHANGE.

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

CLASS M OR GREATER 85/90/90

CLASS X 08/12/15

PROTON EVENTS 08/12/15

D. OTTAWA 10.7 CM FLUXES FOR 04/1730Z AND 04/2000Z WERE 189 AND 191 RESPECTIVELY.

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HAUS BOU 051710Z

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 678B ISSUED 1700Z 5 JULY 1970

CLASS C FLARES ARE EXPECTED AND ONE OR TWO CLASS M FLARES ARE POSSIBLE IN THE NEXT 11 HOURS.

A. ONLY MINOR ACTIVITY HAS OCCURRED IN THE PAST 24 HOURS. THE REGION NEAR S07W20 HAS SHOWN AN ABRUPT DECLINE IN ACTIVITY SINCE YESTERDAY. ITS WHITE LIGHT STRUCTURE HAS DECLINED AND ITS HYDROGEN ALPHA FEATURES HAVE SIMPLIFIED. ALL OTHER SOLAR REGIONS HAVE SHOWN LITTLE CHANGE. A BRIEF BUT SIZEABLE MAGNETIC ANOMALY, K-INDEX OF 5, OCCURRED BETWEEN 0400Z AND 0530Z TODAY.

B. THE POTENTIAL EXISTS FOR OCCASIONAL M FLARES LARGELY DUE TO THE ABOVE AVERAGE NUMBER OF REGIONS ON THE DISK. PERIODS OF SLIGHT GEOMAGNETIC DISTURBANCE ARE EXPECTED IN THE NEXT FEW DAYS.

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

CLASS M OR GREATER 85/85/85

CLASS X 10/10/10

PROTON EVENTS 10/10/10

D. OTTAWA 10.7 CM FLUX FOR 05/1400Z WAS 182. PREDICTED 10.7 CM FLUX FOR 06-08 JULY IS 183/185/190.

E. MAGNETIC A-FREDERICKSBURG FOR 4 JULY WAS 22. FOR 5 JULY ABOUT 20 PREDICTED AP FOR 06-08 JULY, 14/12/12.

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