

NNNN0356

NNNNQG

KMSC

HAUS BOU 040400Z

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 677A ISSUED 0400Z 04 JULY 1970

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

A. SOLAR ACTIVITY HAS BEEN MODERATELY HIGH DURING THE PAST ZULU DAY. NUMEROUS SUBFLARES HAVE BEEN OBSERVED FROM REGIONS S07E01 AND N23W40. TWO CLASS M FLARES WERE OBSERVED 03/1654Z FROM S05E03 A SB, AND 03/1929Z FROM S05E06 A SN. THE GEOMAGNETIC FIELD HAS BEEN DISTURBED AGAIN FROM 03/2250Z TO 04/0200Z. THE FORBUSH DECREASE IS STILL IN EFFECT 5.9 PERCENT.

B. CLASS C FLARES WITH AN OCCASIONAL CLASS M FLARE CAN BE EXPECTED DURING THE NEXT 13 HOURS. THE REGIONS S07E01, S10E52 AND N23W40 ARE THE MOST POTENTIAL FLARE REGIONS. THE GEOMAGNETIC FIELD WILL REMAIN DISTURBED.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 04 JULY/0400Z ENDING 07 JULY/0400Z

CLASS M OR GREATER 90/90/90

CLASS X 15/15/15

PROTON EVENTS 15/15/15

D. OTTAWA 10.7 CM FLUXES FOR 03/1700Z AND 03/2000Z WERE 191 AND 197 RESPECTIVELY.

SOLTERWARN

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HAUS BOU 041700Z

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SDF NUMBER 677B ISSUED 1700Z 04 JULY 1970

CLASS-C FLARES ARE EXPECTED AND SPORADIC CLASS-M FLARES ARE PROBABLE DURING THE NEXT 11 HOURS

A. SOLAR ACTIVITY DURING THE PAST 13 HOURS HAS CONSISTED PRIMARILY OF RELATIVELY NON-ENERGETIC FLARES FROM THE VARIOUS ACTIVE REGIONS ON THE DISK; NO CLASS-M FLARES HAVE BEEN REPORTED. AN H-TYPE SPOT HAS CROSSED THE EAST LIMB AT ABOUT NE17, AND SEVERAL FLARES AND SURGES HAVE BEEN OBSERVED NEAR THIS SITE. THIS SPOT APPARENTLY REPRESENTS MCMATH REGION 781, WHICH PASSED OVER THE WEST LIMB ON JUNE 19. SPOT GROWTH HAS BEEN NOTED IN THE TRAILER OF THE REGION AT S09E36, AND IMBEDDED FILAMENTS ARE VISIBLE IN THIS REGION. SOME GROWTH HAS OCCURRED IN THE NORTHWEST EXTENSION OF THE PENUMBRA OF THE LARGE S07W08 REGION, AND GROWTH AND REORGANIZATION ARE APPARENT IN THE S02W24 REGION. APPARENT DEVELOPMENT HAS OCCURRED IN THE MID-SECTION OF THE REGION AT N23W49. THE GEOMAGNETIC FIELD HAS BEEN DISTURBED SINCE A SUDDEN STORM COMMENCEMENT AT 03/2251Z.

B. SPORADIC CLASS-M FLARES ARE LIKELY DURING THE NEXT 11 HOURS FROM AT LEAST ONE OF THE REGIONS AT S09E36, S07W08, S02W24, AND N23W49. THE GEOMAGNETIC FIELD IS EXPECTED TO REMAIN DISTURBED DURING THE NEXT 24 HOURS, WITH THE LARGEST K-VALUES ANTICIPATED 05/0300Z TO 1200Z.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 04 JULY/1700Z ENDING 07 JULY/1700Z.

CLASS M OR GREATER 85/85/85

CLASS X 15/15/15

PROTON EVENTS 15/15/15

D. OTTAWA 10.7CM FLUX FOR 04/1400Z WAS 194. PREDICTED 10.7CM FLUX FOR 05-07 JULY IS 198/200/200.

E. MAGNETIC A-FREDERICKSBURG FOR 03 JULY WAS 16. FOR 04 JULY ABOUT 25. PREDICTED AP FOR 05-07 JULY IS 19/12/10.

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