

NNNNUU0350

NNNNUM

KMSC

HAUS BOU 260400Z

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 699A ISSUED 0400Z 26 JULY 1970

CLASS M FLARES ARE EXPECTED DURING THE NEXT 13 HOURS.

A. TWO SMALL CLASS M EVENTS OCCURRED DURING THE PAST ZULU DAY. A SB FLARE 25/0841Z IN REGION N18E31 AND A 1N FLARE 25/2314Z IN REGION N06E47. THE REST OF THE SOLAR ACTIVITY HAS BEEN CLASS C ACTIVITY.

THE REGION N08W24 HAS DECAYED BUT FOLLOWER PORTION DOES CONTAIN TWO WEAK DELTA CONFIGURATIONS. REGIONS N18E22 AND N23E27 ARE IMPRESSIVE IN WHITE LIGHT. THE MAGNETIC STORM SUBSIDED DURING PERIOD 25/1500-2100Z BUT HAS INCREASED AGAIN SINCE THAT TIME.

B. CLASS M FLARES CAN BE EXPECTED FROM REGIONS N18E22, N23E27 AND N08W24. MAGNETIC DISTURBANCE WILL CONTINUE DURING THE NEXT 24 HOURS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 26 JULY/0400Z ENDING 29 JULY/0400Z

CLASS M OR GREATER 80/80/90

CLASS X 50/50/50

PROTON EVENTS 50/50/50

D. OTTAWA 10.7 CM FLUXES FOR 25/1700Z AND 25/2000Z WERE 163 AND 169 RESPECTIVELY.

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HAUS BOU 261720

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 699B ISSUED 1700Z 26 JULY 1970

CLASS M FLARES EXPECTED DURING THE NEXT 11 HOURS.

A. TWO CLASS M FLARES WERE OBSERVED AT 26/0637Z, OPTICAL CLASS. 1N, LOCATION N09W33 AND AT 26/0804Z, OPT. CLASS. SB, LOCATION SBN05E35. REMARKABLE OVERNIGHT GROWTH IS NOTED IN THE REGION NEAR N06E35 AND ALSO MORE DEVELOPMENT IS SEEN IN THE N13W26 REGION WHICH CONTAINS A NEW DELTA CONFIGURATION. THE GEOMAGNETIC FIELD HAS SHOWN A DEFINITE QUIETING TREND THE PAST 4 HOURS. NEUTRON COUNTS ARE RECOVERING SLOWLY FROM THE RECENT FORBUSH EVENT. ATS-1 SATELLITE PROTON DETECTORS ARE NEAR BACKGROUND.

B. CLASS M FLARES CAN BE EXPECTED FROM N08W32, N13W26, N06E35, N18E14 AND N23E30. IT IS FELT THAT IF THE DECLINING TREND OF THE N13W32 REGION PERSISTS THEN THE CHANCES FOR ANOTHER MAJOR FLARE GROW SLIMMER. THE GEOMAGNETIC FIELD IS EXPECTED TO SEE PERIODS OF UNSETTLED CONDITIONS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 26 JULY/1700Z ENDING 29 JULY/1700Z.

CLASS M OR GREATER 90/90/90

CLASS X 50/45/40

PROTON EVENTS 50/45/40

D. OTTAWA 10.7 CM FLUX FOR 26/1700Z WAS 173. PREDICTED 10.7 CM FLUX FOR 27-29 JULY IS 177/180/183.

E. MAGNETIC A-FREDERICKSBOUR FOR 25 JULY WAS 52. FOR 26 JULY ABOUT 20 PREDICTED AP FOR 27-29 JULY, 18/12/15.

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