

NNNNKM

KMSC

HAUS BOU 170440Z

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 690A ISSUED 0400Z 17 JULY 1970

CLASS-C FLARES AT THE APPROXIMATE RATE OF ONE PER HOUR ARE EXPECTED DURING THE NEXT 13 HOURS.

A. NO SIGNIFICANT ACTIVITY HAS OCCURRED SINCE THE LAST MESSAGE. ONLY SCATTERED, NON-ENERGETIC FLARES ARE BEING OBSERVED ACROSS THE DISK. PLAGE IS CROSSING THE EAST LIMB NEAR N05 AND SURGES HAVE BEEN REPORTED THERE AS WELL AS UP TO N12. SPOTS ARE NOT YET VISIBLE, BUT IT MAY SIMPLY BE ONLY A MATTER OF TIME BEFORE THEY ARE, SINCE THE 9.1CM RADIO CONTOURS AND 5303A CORONAL LINE EMISSION APPEAR ABOVE THRESHOLD FOR REGION FORMATION. THE GEOMAGNETIC FIELD IS UNSETTLED.

B. NO CHANGE.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 17 JULY/0400Z ENDING 20 JULY/0400Z.

CLASS M OR GREATER 35/45/45

CLASS X 02/02/02

PROTON EVENTS 01/01/01

D. OTTAWA 10.7 CM FLUXES FOR 16/1700Z AND 16/2000Z WERE BOTH 118.

SOLTERWARN

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NNNNJMVF MVBMVAGVCGVIG

KMSC HAUS BOU 171650Z

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 690B ISSUED 1700Z 17 JULY 1970

SPORADIC CLASS-M FLARES ARE LIKELY DURING THE NEXT 11 HOURS.

A. SOLAR ACTIVITY HAS INCREASED MARKEDLY DURING THE PAST 13 HOURS. A NEW REGION PRESENTLY IS CROSSING THE EAST LIMB AT NE08, AND THIS REGION IS PRODUCING OCCASIONAL, SMALL, ENERGETIC EVENTS. ONE CLASS-M EVENT OCCURRED AT THIS SITE AT 17/1128ZN THIS EVENT APPARENTLY CONSISTED OF A SUB-NORMAL FLARE ACCCOMPANIED BY BRIGHT SURGES. AN H-TYPE SPOT WITH AN APPROXIMATE AREA OF 110 MILLIONTHS IS LOCATED AT N08E86, AND ENHANCED PLAGE IS SITUATED ABOVE AND BEHIND THAT SPOT. MORE DETAILED ANALYSIS OF THE REGION ROTATES FURTHER ONTO THE DISK. OTHER DISK REGIONS HAVE SHOWN LITTLE ACTIVITY OR DEVELOPMENT. DURING THE PAST 24 HOURS, THE GEOMAGNETIC FIELD HAS REMAINED RELATIVELY QUIET.

B. SOLAR ACTIVITY DURING THE FORECAST PERIOD IS EXPECTED TO CONSIST ALMOST ENTIRELY OF SMALL, ENERGETIC FLARES FROM THE NEW REGION AT NE08. THE GEOMAGNETIC FIELD IS EXPECTED TO REMAIN RELATIVELY QUIET.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 17 JULY/QUPPZ ENDING 20 JULY/1700ZBM

CLASS M OR GREATER 75/75/75

CLASS X 05/05/05

PROTON EVENTS 01/01/01

D. OTTAWA 10.7 CM FLUX FOR 17/1400Z WAS 120.

PREDICTED 10.7 CM FLUX FOR 18-20 JULY IS 122/127/133.

E. MAGNETIC A-FREDERICKSBURG FOR 16 JULY WAS 07. FOR 17 JULY ABOUT 07 PREDICTED AP FOR 18-20 JULY, 03/03/08.

SOLTERWARN

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