

KMSC

HAUS BOU 190400Z

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 692A ISSUED 0400Z 19 JULY 1970

CLASS C FLARES ARE EXPECTED AND AN OCCASIONAL CLASS M FLARE IS PROBABLE DURING THE NEXT 13 HOURS.

A. THE REGION N08E71 HAS PRODUCED THE MAJOR PORTION OF SOLAR ACTIVITY DURING THE PAST 11 HOURS. ONE CLASS M EVENT WAS OBSERVED 18/1734Z, A SB FLARE AT N08E72. THIS NE REGION IS THE BRIGHTEST AND MOST COMPLEX REGION ON THE DISK. ALL OTHER REGIONS ARE QUIET. THE GEOMAGNETIC FIELD IS QUIET.

B. CLASS C FLARES AND AN OCCASIONAL CLASS M FLARE CAN BE EXPECTED FROM REGION N08E71. IF THE REGION DEVELOPS IN THE LEADER PORTION MORE FREQUENT CLASS M FLARES ARE PROBABLE DURING THE NEXT SEVERAL DAYS. THE GEOMAGNETIC FIELD WILL REMAIN QUIET.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 19 JULY/0400Z ENDING 22 JULY/0400Z

CLASS M OR GREATER 75/75/75

CLASS X 10/10/10

PROTON EVENTS 01/01/01

D. OTTAWA 10.7 CM FLUXES FOR 18/1700Z AND 18/2000Z WERE 127 AND 131 RESPECTIVELY.

SOLTERWARN

SPAN

BT

NNNNUU1722
NNNNBMV1723
NNNNBMVX

KMSC

HAUS BOU 191720Z

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 692B ISSUED 1700Z 19 JULY 1970

AN OCCASSIONAL CLASS M FLARE IS EXPCTED IN THE NEXT 11 HOURS.

A. A 1N, CLASS M FLARE BEGAN AT 19/0052Z LOCATION N08E70. THE FLARE HAD A DOUBLE PEAKED HARD X-RAY BURST WITH PEAK TIMES BEING 0053Z AND 0122Z AND END TIME OF 0203Z. THIS FLARE WAS REPORTED AS A TENFLARE BY TOKYO WITH 150 FLUX UNITS. ANOTHER 1N FLARE FROM THIS REGION PRODUCED X-RAYS THAT WERE BORDERLINE M CLASSIFICATION. AT 19/1005Z THE NE REGION PRODUCED A M FLARE OF SHORT DURATION WHICH WAS CLASSIFIED AS SN OPTICALLY. THE NE REGION HAS A MAGNETIC DELTA CONFIGURATION IN THE LEADER AND COMPLEX MAGNETIC STRUCTURE IN THE FOLLOWER, ALTHOUGH NOT A DELTA. THIS REGION HAS COMPACT PLAGE WITH WELL DEFINED APSORPTION FEATURES. A NEW REGION HAS DEVELOPED AT S15E43 WITH D TYPE SPOTS. THE REGION NEAR N18W53 PRODUCD A 1N FLARE AT 1502Z BUT ITS WHITE LIGHT STRUCTURE HAS DECLINED INTO B TYPE SPOTS.

B. THE NE REGION IS EXPECTED TO CONTINUE TO PRODUCE M FLARES AT A MAXIMUM RATE OF POSSIBLY SEVERAL A DAY. SUBFLARES ARE EXPECTED FROM THE REGIONS AT N18W53 AND S15E43. THE GEOMAGNETIC FIELD IS EXPECTED TO REMAIN QUIET FOR THE NEXT 72 HOURS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 19 JULY/1700Z ENDING 22 JULY/1700Z.

CLASS M OR GREATER 85/85/85

CLASS X 15/15/15

PROTON EVENTS 01/01/01

D. OTTAWA 10.7 CM FLUX FOR 19/1400Z WAS 131. PREDICTED 10.7 CM FLUX FOR 20-22 JULY IS 138/145/150.

E. MAGNETIC A-FREDERICKSBURG FOR 18 JULY WAS 05. FOR 19 JULY ABOUT 05 PREDICTED AP FOR 20-22 JULY, 05/05/05.

SOLTERWARN

SPAN

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