

WVWVW

KMSC

HAUS BOU 090400Z

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 652A ISSUED 0400Z 09 JUNE 1970

CLASS C FLARES ARE EXPECTED AND AN OCCASIONAL CLASS M FLARE IS PROBABLE.

A. THE REGION N17E69 HAS NOW COMPLETELY ROTATED ON THE VISIBLE DISK. THE REGION IS THE LARGEST ON THE DISK BUT IS SIMPLE MAGNETICALLY ACCORDING TO MT. WILSON. THE PLAGE IS NOT BRIGHT EXCEPT JUST SOUTH OF THE LEADER PORTION. THE REGION N17E41 HAS SHOWN GOOD GROWTH DURING THE PAST 24 HOURS. THE GEOMAGNETIC FIELD HAS SHOWN PERIODS OF DISTURBANCE.

B. AN OCCASIONAL CLASS M FLARE IS PROBABLE FROM N17E69 AND N17E41 DURING THE NEXT 24 HOURS. THE GEOMAGNETIC FIELD WILL SHOW PERIODS OF SLIGHT DISTURBANCE.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 09 JUNE/0400Z ENDING 12 JUNE/0400Z

CLASS M OR GREATER 70/70/70

CLASS X 05/05/05

PROTON EVENTS 01/01/01

D. OTTAWA 10.7 CM FLUXES FOR 08/1700Z AND 08/2000Z WERE 130 AND 132 RESPECTIVELY.

SOLTERWARN

SPAN

BT

NNNN0750

NNNN1701

NNNN

KMSC

HAUS BOU 091700Z

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 652B ISSUED 1700Z 09 JUNE 1970

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

A. DURING THE PAST 13 HOURS, SOLAR ACTIVITY HAS BEEN AT A RELATIVELY LOW LEVEL; NO CLASS-M FLARES HAVE BEEN REPORTED. PRESENTLY IT APPEARS THAT TWO SPOT GROUPS EXIST CLOSE TOGETHER IN THE NORTHEAST AT N18E61 AND AT N15E52; ACTIVITY HAS DECLINED SOMEWHAT FROM THESE REGIONS. AT 09/1513Z A SUBNORMAL FLARE LOCATED AT N10E55 PRODUCED A COMPLEX RADIO BURST WITH AN INTENSITY OF 40 FLUX UNITS AT 2800 MHZ; THIS FLARE WAS INTERESTING IN THAT IT EXHIBITED MULTIPLE OPTICAL MAXIMA. THE REGION AT N17E31 HAS SHOWN CONSIDERABLE DEVELOPMENT DURING THE PAST 24 HOURS; THIS REGION CONTAINS LEADER, CENTER, AND FOLLOWER PORTIONS OF PENUMBRA, AND THE MIDDLE PORTION MAY CONTAIN A MAGNETIC DELTA COMPLEX. THE GEOMAGNETIC FIELD HAS REMAINED RELATIVELY QUIET DURING THE PAST 13 HOURS.

B. OCCASIONALLY ENERGETIC ACTIVITY IS EXPECTED TO ARISE FROM THE N18E61, N15E52, AND N17E31 CENTERS DURING THE NEXT 11 HOURS. THE GEOMAGNETIC FIELD IS EXPECTED TO REMAIN RATHER QUIET.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 09 JUNE/1700Z ENDING 12 JUNE/1700Z.

CLASS M OR GREATER 75/75/75

CLASS X 05/05/05

PROTON EVENTS 01/01/01

D. OTTAWA 10.7 CM FLUX FOR 09/1400Z WAS 133. PREDICTED 10.7 CM FLUX FOR 10-12 JUNE IS 136/139/142.

E. MAGNETIC A-FREDERICKSBURG FOR 08 JUNE WAS 13. FOR 09 JUNE ABOUT 07 PREDICTED AP FOR 10-12 JUNE, 08/08/08.

SOLTERWARN

SPAN

BT