

KMSC

HAUS BOU 180400Z

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 691A ISSUED 0400Z 18 JULY 1970

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

A. SOLAR ACTIVITY FROM REGIONS ON THE DISK HAS BEEN VERY LOW DURING THE PAST 11 HOURS. ACTIVITY FROM THE EAST LIMB HAS BEEN QUITE HIGH. BSL ACTIVITY AND SURGE ACTIVITY HAVE BEEN QUITE PROMINENT ALL THE PAST ZULU DAY FROM THE REGION N08E81. SEVERAL SPOTS ARE NOW VISIBLE AND PLAGE IS BRIGHT. THE GEOMAGNETIC FIELD IS RELATIVELY QUIET WITH SHORT PERIODS OF DISTURBANCE.

B. SOLAR ACTIVITY IS EXPECTED TO INCREASE WITH THE NEW REGION MAKING ITS EAST LIMB APPEARANCE. CLASS C FLARES WITH AN OCCASIONAL CLASS M FLARE CAN BE EXPECTED DURING THE NEXT 72 HOURS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 18 JULY/0400Z ENDING 21 JULY/0400Z

CLASS M OR GREATER 60/60/60

CLASS X 05/05/05

PROTON EVENTS 01/01/01

D. OTTAWA 10.7 CM FLUXES FOR 17/1700Z AND 17/2000Z WERE 122 AND 121 RESPECTIVELY.

SOLTERWARN

SPAN

BT

NNNNUU1650

NNNNUM1653

NNNNDM1655

NNNNDM

KMSC

HAUS 1 BOU 181700Z

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SDF NUMBER 691B ISSUED 1700Z 18 JULY 1970

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

A. SOLAR ACTIVITY HAS DECREASED SOMEWHAT DURING THE PAST 13 HOURS; NO CLASS-M EVENTS HAVE BEEN REPORTED. THE NEW REGION AT N08E80 HAS ROTATED COMPLETELY ONTO THE DISK, AND THIS REGION APPEARS TO BE WELL-DEVELOPED AND MODERATELY COMPLEX. THE PROXIMITY OF THIS REGION TO THE LIMB MAKES ANALYSIS DIFFICULT, BUT IT NOW APPEARS THAT THE MAIN SPOT GROUP IS A MARGINAL E-TYPE; ADDITIONAL SPOTS NORTH OF THE MAIN TRAILER PENUMBRA RAISE THE POSSIBILITY THAT TWO ACTIVE REGIONS MAY COEXIST IN THIS NORTHEASTERN COMPLEX. OTHER ACTIVE REGIONS ON THE DISK APPEAR TO BE RELATIVELY SIMPLE AND UNINTERESTING. THE GEOMAGNETIC FIELD HAS REMAINED RELATIVELY QUIET DURING THE PAST 24 HOURS.

B. MOST SIGNIFICANT SOLAR ACTIVITY DURING THE NEXT 72 HOURS IS EXPECTED TO BE PRODUCED BY THE N08E80 COMPLEX; CLASS-C FLARES AND OCCASIONAL CLASS-M FLARES ARE LIKELY. THE GEOMAGNETIC FIELD IS EXPECTED TO REMAIN RELATIVELY QUIET.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 18 JULY/1700Z ENDING 21 JULY/1700Z.

CLASS M OR GREATER 75/75/75

CLASS X 10/10/10

PROTON EVENTS 01/01/01

D. OTTAWA 10.7CM FLUX FOR 18/1400Z WAS 127. PREDICTED 10.7CM FLUX FOR 19-21 JULY IS 140/150/160.

E. MAGNETIC A-FREDERICKSBURG FOR 17 JULY WAS 08. FOR 18 JULY ABOUT 08. PREDICTED AP FOR 19-21 JULY IS 08/08/08.

SOLTERWARN

SPAN

BT