

KMSC

HAUS BOU 010400

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 797A ISSUED 0400Z 01 NOVEMBER 1970

CLASS C FLARES ARE EXPECTED DURING THE NEXT 13 HOURS.

A. ONLY CLASS C FLARES HAVE BEEN OBSERVED DURING THE PAST 11 HOURS. THE REGIONS IN THE NORTHWEST QUADRANT WHICH HAVE DURING THE PAST SEVERAL DAYS BEEN QUITE PRODUCTIVE ARE NOW DECLINING AND FLARE PRODUCTION HAS BEEN LOW. A NEW SPOT GROUP IS FORMING NEAR THE TRAILER PORTION OF REGION NO2W53. IF THIS GROUP CONTINUES TO GROW THE REGION MAY PRODUCE SEVERAL MORE ACTIVE FLARES BEFORE WEST LIMB PASSAGE. OTHER REGIONS ARE ALL QUIET. THE GEOMAGNETIC FIELD IS QUIET.

B. NO MAJOR ACTIVITY IS EXPECTED. CLASS C FLARES AND AN OCCASIONAL SMALL CLASS M FLARE CAN BE EXPECTED. THE GEOMAGNETIC FIELD WILL REMAIN QUIET.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 01 NOV/0400Z ENDING 04 NOV/0400Z

CLASS M OR GREATER 70/70/70

CLASS X 15/15/15

PROTON EVENTS 05/05/05

D. OTTAWA 10.7 CM FLUXES FOR 31/1700Z AND 31/2000Z WERE BOTH 171.

SOLTERWARN

SPAN

BT

NNNN1740

NNNN

KMSC

HAUS BOU 011743

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 797B ISSUED 1700Z 1 NOV 1970

INFREQUENT CLASS M FLARES EXPECTED DURING THE NEXT 11 HOURS.

A. ONE CLASS M2, SB--N15W54, FLARE BEGAN AT 01/1212Z AND ENDED AT 01/1330Z. THE REGION AT N17W39 HAS BRIGHT PLAGE AND APPEARS TO HAVE AN UNSTABLE CONFIGURATION. GENERALLY ALL THE REGIONS IN THE NW QUADRANT HAVE DECLINED IN MAGNETIC COMPLEXITY, H ALPHA AND WHITE LIGHT STRUCTURE. CLASS C FLARE ACTIVITY HAS BEEN MODERATE MOSTLY FROM THE NW COMPLEX OF REGIONS. THE S11E07 REGION HAS TRAILER SPOTS EMERGING THAT ARE RATHER CLOSE TO THE LEADER SETTING UP TIGHT MAGNETIC GRADIENTS. ACTIVE PROMINENCES AND BRIGHT SURGES HAVE BEEN OBSERVED BETWEEN S09 AND S14 EAST LIMB AND SOME PLAGE CAN BE SEEN OF THE REGION ROTATING ON THE DISK.

B. MODERATE SMALL FLARE ACTIVITY EXPECTED TO CONTINUE FROM THE NW QUADRANT, S11E07 AND S10E90, CLASS M FLARE ACTIVITY EXPECTED TO DECREASE IN THE NEXT 72 HOURS DUE TO THE SIMPLIFICATION OF THE NW REGIONS. GEOMAGNETIC CONDITIONS EXPECTED TO REMAIN QUIET.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 01 NOV/1700Z ENDING 04 NOV/1700Z.

CLASS M OR GREATER 60/50/40

CLASS X 10/05/02

PROTON EVENTS 10/05/02

D. OTTAWA 10.7 CM FLUX FOR 01/1400Z WAS 177. PREDICTED 10.7 CM FLUX FOR 02-04 NOV IS 175/173/170.

E. MAGNETIC A-FREDERICKSBURG FOR 31 OCT WAS 05. FOR 01 NOV ABOUT 04 PREDICTED AP FOR 02-04 NOV, 04/04/04

SOLTERWARN

SPAN

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