

NNNN0350

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KMSC

HAUS BOU 260400

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 791A ISSUED 0400Z 26 OCTOBER 1970

CLASS M FLARES ARE EXPECTED DURING THE NEXT 13 HOURS.

A. THREE CLASS M EVENTS HAVE OCCURRED SINCE SDF 790B, M-1 25/1751Z, M-1 25/2145Z AND M-3 25/2245Z. THE MAJORITY OF THE SOLAR ACTIVITY HAS BEEN OBSERVED FROM REGION N20E47. THIS REGION IS VERY COMPLEX AND DOES CONTAIN SEVERAL DELTA CONFIGURATIONS. THE REGION N15E31 HAS PRODUCED SEVERAL SMALL FLARES BUT DOES SEEM TO BE CHANGING AND BREAKING UP IN THE LEADER PORTION. THE OTHER REGIONS ON THE DISK APPEAR QUIET. THE GEOMAGNETIC FIELD IS QUIET.

B. CLASS M ACTIVITY IS EXPECTED TO CONTINUE FROM REGION N20E47. AS MENTIONED IN SDF 790B, WITH THE HIGHER BACKGROUND LEVEL OF X-RAYS AN OCCASIONAL CLASS X FLARE CAN BE EXPECTED. THE GEOMAGNETIC FIELD WILL REMAIN RELATIVELY QUIET.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 26 OCT/0400Z ENDING 29 OCT/0400Z

CLASS M OR GREATER 90/90/90

CLASS X 15/15/15

PROTON EVENTS 02/02/02

D. OTTAWA 10.7 CM FLUXES FOR 25/1700Z AND 25/2000Z WERE 175 AND 177 RESPECTIVELY.

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HAUS BOU 261720

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 791B ISSUED 1700Z 26 OCTOBER 1970

OCCASIONAL CLASS M FLARES EXPECTED DURING THE NEXT 11 HOURS

A. THE FOLLOWING ENERGETIC FLARES HAVE OCCURRED IN THE PAST 13 HOURS; CLASS M2, 0100Z; CLASS M6, 0239Z, 1N; CLASS M6, 0409Z, 2N; CLASS M8, 1119Z, SN; AND CLASS M9, 1237Z, SN. OTHER SMALLER CLASS M FLARES HAVE OCCURRED PERIODICALLY. RADIO FLUX LEVELS ARE HIGH AND A SMALL BURST WAS ASSOCIATED WITH THE 1237Z FLARE. ALL OF THIS ACTIVITY IS BEING PRODUCED BY THE N20E39 REGION WHICH RETAINS DELTAS IN THE LEADER AND FOLLOWER AND MIXED POLARITY INTERMEDIATE SPOTS. THE WHITE LIGHT PICTURE SHOWS SOME GROTH AND CHANGE AND IN H-ALPHA THE PLAGE IS MORE COMPACT.

B. SOLAR ACTIVITY IS EXPECTED TO CONTINUE AT ITS PRESENT PACE WITH PERIODIC CLASS M FLARES AND OCCASIONAL CLASS X FLARES FROM THE EVOLVING NE REGION.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 26 OCT/1700Z ENDING 29 OCT/1700Z.

CLASS M OR GREATER 95/95/95

CLASS X 20/25/30

PROTON EVENTS 02/02/05

D. OTTAWA 10.7CM FLUX FOR 26/1400Z WAS 185.

PREDICTED 10.7CM FLUX FOR 27-29 OCT IS 190/195/200.

E. MAGNETIC A-FREDERICKSBURG FOR 25 OCT WAS 06. FOR 26 OCT ABOUT 04. PREDICTED AP FOR 27-29 OCT IS 04/04/12.

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