

0355

NNNN

KMSC

HAUS BOU 110400

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 307A ISSUED 0400Z 11 NOVEMBER 1970

ONE OR TWO SMALL CLASS-M FLARES ARE NOT UNLIKELY DURING THE NEXT 13 HOURS.

A. SOLAR ACTIVITY HAS INCREASED SLIGHTLY DURING THE PAST 11 HOURS. ALTHOUGH ONLY CLASS-C FLARES HAVE BEEN REPORTED, SUBFLARES AND LIMB ACTIVITY HAVE OCCURRED WITH INCREASING FREQUENCY. DEVELOPMENT HAS CONTINUED IN THE D-TYPE REGION AT N15E44, WHERE BRIGHT PLAGE AND AN ACTIVE EMBEDDED FILAMENT ARE PRESENT. AN IMPORTANCE TWO SURGE WAS PRODUCED AT NE10 BEGINNING AT 10/2018Z; PRESENTLY A RUDIMENTARY J-TYPE SPOT IS VISIBLE NEAR N05E88, AND PLAGE IS CROSSING THE LIMB AT THAT SITE. ANOTHER NEW REGION CONTAINING A SMALL SPOT AND MODERATELY BRIGHT PLAGE HAS APPEARED AT S12E86, BUT ONLY MINOR SURGE ACTIVITY HAS BEEN NOTED SO FAR AT THAT LOCATION. ALL OTHER REGIONS HAVE SHOWN LITTLE SIGNIFICANT DEVELOPMENT. THE GEOMAGNETIC FIELD HAS BEEN SOMEWHAT UNSETTLED DURING THE PAST 24 HOURS.

B. DUE TO CONTINUED DEVELOPMENT AT N15E44 AND THE APPEARANCE OF THE N05E88 AND S12E86 REGIONS, THERE IS A FAIR CHANCE THAT ONE OR TWO SMALL CLASS-M EVENTS MAY OCCUR DURING THE NEXT COUPLE OF DAYS. THE GEOMAGNETIC FIELD IS EXPECTED TO EXHIBIT PERIODS OF SLIGHT DISTURBANCE DURING THE NEXT 24 HOURS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 11 NOV/0400Z ENDING 14 NOV/0400Z

CLASS M OR GREATER 55/60/60

CLASS X 02/02/02

PROTON EVENTS 01/01/01

D. OTTAWA 10.7 CM FLUXES FOR 10/1700Z AND 10/2000Z WERE 151 AND 154 RESPECTIVELY.

SOLTERWARN

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NNNN1650

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KMSC

HAUS BOU 111700

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 307B ISSUED 1700Z 11 NOVEMBER 1970

A CLASS M FLARE EXPECTED DURING THE NEXT 11 HOURS

A. THE N15E37 REGION CONTINUES TO GROW AND IS NOW A D TYPE SPOT GROUP WITH SLIGHTLY LESS THAN 10 DEGREES LONGITUDINAL EXTENT. THE REGION HAS SEVERAL FILAMENTS ASSOCIATED WITH IT AND ONE APPEARS TO BE QUITE ACTIVE. PLAGE HAS BEEN INTENSE IN THE TRAILER PORTION FOR SEVERAL HOURS. FIVE OF THE SEVEN FLARES TODAY HAVE OCCURRED IN THIS REGION. THE N16W78 REGION HAS BEEN BRIGHT FOR SEVERAL HOURS.

B. THE N15E37 REGION IS EXPECTED TO START PRODUCING CLASS M FLARE AT A RATE OF ONE A DAY. THE GEOMAGNETIC FIELD IS EXPECTED TO HAVE UNSETTLED BEHAVIOR FOR THE TIME PERIOD 0000Z-1200Z FOR TWO MORE DAYS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 11 NOV/1700Z ENDING 14 NOV/1700Z.

CLASS M OR GREATER 60/65/70

CLASS X 02/03/04

PROTON EVENTS 01/01/01

D. OTTAWA 10.7CM FLUX FOR 11/1400Z WAS 162.

PREDICTED 10.7CM FLUX FOR 12-14 NOV IS 165/168/170.

E. MAGNETIC A-FREDERICKSBURG FOR 10 NOV WAS 15. FOR 11 NOV ABOUT 13. PREDICTED AP FOR 12-14 NOV IS 13/13/08.

SOLTERWARN

12 13 14

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