

NNNN0400

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KMSC

HAUS BOU 130400

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 809A ISSUED 0400Z 13 NOV 1970

ONE OR TWO CLASS-M EVENTS ARE EXPECTED DURING THE NEXT 13 HOURS.

A. THE MOST ENERGETIC EVENT DURING THE PAST 11 HOURS REACHED CLASS-M1 X-RAY INTENSITY BUT WAS NOT OBSERVED OPTICALLY. SUBFLARES HAVE OCCURRED AT THE APPROXIMATE RATE OF ONE EVERY TWO HOURS AT THE N15E19 SITE, WHERE DEVELOPMENT WITH A TENDENCY TOWARD COMPLEXITY HAS CONTINUED. THE NEW REGIONS AT N08E56 (D/200) AND N03E79 (H/20) APPEAR TO BE RELATIVELY SIMPLE IN BOTH WHITE LIGHT AND H-ALPHA, BUT THE D/110 REGION AT S 0E52 CONTAINS MODERATELY BRIGHT PLAGE AND MAY STILL BE GROWING. THE GEOMAGNETIC FIELD HAS REMAINED RELATIVELY QUIET DURING THE PAST 11 HOURS.

B. SPORADIC CLASS-M EVENTS AT THE RATE OF ABOUT TWO PER DAY ARE EXPECTED FROM ONE OR MORE OF THE REGIONS AT N03E79, N15E19, AND S10E52 DURING THE FORECAST PERIOD. THE GEOMAGNETIC FIELD IS EXPECTED TO REMAIN RELATIVELY QUIET WITH PERIODS OF SLIGHT DISTURBANCE 13/0400-1200Z.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 13 NOV/0400Z ENDING 16 NOV/0400Z.

CLASS M OR GREATER 70/75/70

CLASS X 05/10/05

PROTON EVENTS 05/10/05

D. OTTAWA 10.7 CM FLUXES FOR 12/1700Z AND 12/2000Z WERE 170 AND 167 RESPECTIVELY.

SOLTERWARN

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NNNN1800

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HAUS BOU 131755

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 809B ISSUED 1700Z 13 NOV 1970

CLASS-M EVENTS ARE EXPECTED DURING THE NEXT 11 HOURS.

A. THE MOST ENERGETIC SOLAR EVENT REPORTED DURING THE PAST 14 HOURS CONSISTED OF A CLASS M2 SUB-BRIGHT FLARE AT 13/0336Z FROM THE REGION AT S10E44. THE S10E44 HAS EXHIBITED ONLY MINOR DEVELOPMENT AND CONTAINS MODERATELY BRIGHT, FLUCTUATING PLAGE. THE MOST IMPRESSIVE DISK FEATURE IS THE STILL-DEVELOPING REGION AT N15E11; MORE SPOTS HAVE APPEARED SOUTH OF THE MAIN FOLLOWER PENUMBRA, AND FLARE-BRIGHT PLAGE IS PRESENT ALONG EAST-WEST RIBBONS IN THE NORTH-CENTRAL PORTION OF THE REGION. THE D-TYPE REGION AT N08E48 MAY ALSO BE DEVELOPING SLOWLY, ALTHOUGH LITTLE ACTIVITY HAS BEEN OBSERVED AT THAT SITE. DURING THE PAST 24 HOURS THE GEOMAGNETIC FIELD HAS BEEN RELATIVELY QUIET.

B. CLASS-M FLARES, MOST OF THEM SMALL, ARE ANTICIPATED FROM THE N15E11 AND S10E44 SITES DURING THE FORECAST PERIOD. THE GEOMAGNETIC FIELD IS EXPECTED TO REMAIN EXCEPTIONALLY QUIET FOR THE NEXT THREE DAYS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 13 NOV/1700Z ENDING 16 NOV/1700Z.

CLASS M OR GREATER 85/85/85

CLASS X 05/05/05

PROTON EVENTS 05/05/05

D. OTTAWA 10.7 CM FLUX FOR 13/1400Z WAS 185. PREDICTED

10.7 CM FLUX FOR 14-16 NOV IS 183/183/179.

E. MAGNETIC A-FREDERICKSBURG FOR 12 NOV WAS 08. FOR 13 NOV ABOUT 06. PREDICTED AP FOR 14-16 NOV, 04/04/03.

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