

NNNN0424

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KMSC

HAUS BOU 270420Z

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SDF NUMBER 550A ISSUED 0400Z 27 FEB 1970

THE POTENTIAL FOR M ACTIVITY EXISTS BUT IT IS STEADILY DECLINING.

A. WITHIN THE FOURTEEN SPOT GROUPS CURRENTLY VISIBLE NO SIGNIFICANT DEVELOPMENTS-EITHER GROWTH OR DECLINE-HAVE BEEN OBSERVED IN THE INTERIM BETWEEN FORECASTS. A SMALL BRIGHT PLAGE HAS ROTATED INTO VIEW NEAR S08; AS YET THERE APPEARS TO BE NO ACCOMPANING SPOT GROUP. THE BACKGROUND LEVEL OF ACTIVITY HAS ITSELF DECREASED. ONLY CLASS C EVENTS WERE RECORDED DURING THE PREVIOUS DAY.

B. SEE EARLIER MESSAGE.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 27 FEB/0400Z ENDING 02 MAR/0400Z.

CLASS M OR GREATER 60/50/50

CLASS X 10/05/05

PROTON EVENTS 02/02/02

D. OTTAWA 10.7 CM FLUXES FOR 26/1700 AND 2000Z WERE 185 AND 181 RESPECTIVELY.

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HAUS BOU 271705Z

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SDF NUMBER 550B ISSUED 1700Z 27 FEBRUARY 1970

INFREQUENT CLASS M FLARES ARE EXPECTED IN THE NEXT 11 HOURS

A. NO CLASS X OR M FLARES WERE OBSERVED IN THE LAST 24 HOURS.

CLASS C FLARES WERE OBSERVED FROM MANY OF THE SPOT GROUPS

THAT DOT THE DISK. AT 0436Z A 1N WAS OBSERVED AT S21W60

WHICH CAUSED MINOR IONOSPHERIC DISTURBANCES. THE SPOT

GROUPS ON THE DISK HAVE SHOWN LITTLE CHANGE IN STRUCTURE.

THE LEADER-FOLLOWER SEPARATION HAS INCREASED FOR THE SPOT

GROUP LOCATED AT S07W43. A BIPOLAR REGION AT N10E80 HAS

ROTATED ONTO THE DISK SURROUNDED BY FAIRLY BRIGHT PLAGE.

THIS REGION PRODUCED 2 SUBFLARES IN THE LAST 24 HOURS. THE

GEOMAGNETIC FIELD IS QUIET.

B. INFREQUENT CLASS M FLARES ARE EXPECTED IN THE NEXT 72 HOURS

BUT WITH A DECLINING TREND IN ACTIVITY. NO REGIONS APPEAR TO

BE COMPLEX ENOUGH TO PRODUCE ENERGETIC EVENTS ALSO NO ACTIVE

REGIONS ARE EXPECTED TO RETURN TO THE DISK. THE PIONEER

SATELLITE VIII INDICATES A DISTURBED SOLAR WIND. THIS INCREASES

THE PROBABILITY OF A DISTURBED GEOMAGNETIC FIELD BEGINNING

28 FEB 70.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24

HOUR PERIODS BEGINNING 27/1700Z ENDING 02/1700Z.

CLASS M OR GREATER 50/40/40

CLASS X 05/02/02

PROTON EVENTS 02/01/01

D. OTTAWA 10.7CM FLUX AT 1400Z WAS 179. PREDICTED 170/165/160.

E. MAGNETIC A-FREDERICKSBURG FOR 26 FEB WAS 07. FOR 27 FEB

ABOUT 07. PREDICTED AP FOR 28 FEB-02 MAR 06/15/20.

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