

KMSC

HAUS BOU 220400Z

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SDF NUMBER 483A ISSUED 0400Z 22 DECEMBER 1969

CLASS M FLARES ARE PROBABLE DURING THE NEXT 13 HOURS.

A. SOLAR ACTIVITY HAS BEEN AT A LOW LEVEL FOR THE PAST 11 HOURS. CLASS C SUBFLARES HAVE BEEN CONCENTRATED IN THE SOUTHWEST REGION. ALL THE REGIONS ON THE DISK ARE RELATIVELY STABLE. THREE NEW REGIONS MADE THEIR APPEARANCE ON THE EAST LIMB TODAY. ALL SEEM TO BE SIMPLE IN STRUCTURE. THE MAGNETIC FIELD REMAINS QUIET.

B. A FEW CLASS M EVENTS ARE EXPECTED DURING THE NEXT 24 HOURS. NO MAGNETIC STORM IS PREDICTED BUT A SLIGHT DISTURBANCE SHOULD BE EVIDENT DURING THIS FORECAST PERIOD.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 22 DEC/0400Z ENDING 25 DEC/0400Z

CLASS M OR GREATER 60/50/50

CLASS X 05/05/05

PROTON EVENTS 05/05/05

D. OTTAWA 10.7 CM FLUX 21/1700Z AND 2000Z WERE 166 AND 165 RESPECTIVELY

SOLTERWARN

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HAUS BOU 221730Z

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SDF NUMBER 483B ISSUED 1700Z 22 DEC 1969

CLASS M FLARES ARE PROBABLE DURING THE NEXT 11 HOURS.

A. ONLY CLASS C FLARES HAVE BEEN OBSERVED DURING THE PAST 13 HOURS WITH THE LARGEST AN IMPORTANCE IN AT 22/1120Z AT N02E50. THE ONLY SIGNIFICANT WHITE LIGHT GROWTH HAS OCCURRED AT S11E22 WHERE PENUMBRAL GROWTH HAS COMPLETELY ENCLOSED THE FORMER BIPOLAR SPOT GROUP. NEW SPOT GROUPS ARE LOCATED AT N24E69(H-TYPE), N12E68 (H-TYPE), S01E44(D-TYPE) AND S13E68(H-TYPE). THE REMAINING REGIONS ARE STABLE. THE GEOMAGNETIC FIELD IS DISTURBED.

B. SPORADIC CLASS M ACTIVITY IS EXPECTED FROM THE N13W33 AND S1E22 REGIONS. THE GEOMAGNETIC DISTURBANCE WILL INCREASE IN INTENSITY DURING THE NEXT 18 HOURS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 22/1700Z ENDING 25/1700Z.

CLASS M OR GREATER 60/60/60

CLASS X 5/5/5

PROTON EVENTS 2/2/2

D. OTTAWA 10.7 CM FLUX AT 1400Z WAS 164. PREDICTED 162/160/153.

E. MAGNETIC A-FREDERICKSBURG FOR 21 DEC WAS 02. FOR 22 DEC ABOUT 10 PREDICTED AP FOR 23-25 DEC, 20/15/10.

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