

NNNN0350

NNNN

KMSC

HAUS BOU 250400Z

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SDF NUMBER 456A ISSUED 0400Z 25 NOVEMBER 1969

CLASS M FLARES ARE EXPECTED DURING THE NEXT 13 HOURS.

A. SOLAR ACTIVITY DURING THE PAST 11 HOURS HAS CONSISTED OF NON-ENERGETIC SUBFLARES. THE REGIONS IN THE NORTHWEST WHICH HAVE GIVEN THE MAJOR FLARES DURING THE PAST FEW DAYS HAVE DECREASED IN 9.1 CM BRIGHTNESS TEMPERATURE BY 20 PERCENT. THE LARGEST SPOT AT N13W40 IS BEGINNING TO SEPARATE. THE FILAMENT STRUCTURE IS STILL PRESENT THROUGH THESE GROUPS. THE GENERAL APPEARANCE NOW IS THAT THESE REGIONS ARE LESS COMPACT THAN THEY WERE 24 HOURS AGO. A MINOR MAGNETIC STORM IS ANTICIPATED WITHIN THE NEXT 24 HOURS. ATS-1 SATELLITE PROTON COUNT HAS DECREASED AND GROUND BASED DETECTORS SHOW NO INCREASE IN PROTON COUNT.

B. THE REGIONS AT N13W39 AND N08W49 ARE CAPABLE OF PRODUCING MAJOR FLARES.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 25 NOV/0400Z ENDING 28 NOV/0400Z

CLASS M OR GREATER 100/100/100

CLASS X 70/60/60

PROTON EVENTS 35/35/35

D. OTTAWA 10.7 CM FLUX 24/1700Z AND 2000Z WERE 206 AND 205 RESPECTIVELY

SOLTERWARN

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NNNN1702

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HAUS BOU 251700Z

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SDF NUMBER 456B ISSUED 1700Z 25 NOV 1969

CLASS M FLARES ARE EXPECTED DURING THE NEXT 11 HOURS.

A. A CLASS M FLARE (IMP 1N) WAS OBSERVED AT 25/0928Z AT N10W50. THE TWO REGIONS CURRENTLY AT N08W60 AND N13W50 ARE LESS IMPRESSIVE TODAY DUE TO AN OVERALL DECREASE IN SPOT AREA AND A DECREASE IN PLAGE INTENSITY AND AREA. THERE HAS BEEN SOME PENUMBRAL EXTENSION IN A N-S DIRECTION IN THE N13W50 REGION. THE FIELD STRENGTHS IN BOTH REGIONS APPEAR WEAKER. A LARGE FOLLOWER SPOT IS NOW LOCATED AT S16E88. THIS REGION IS QUITE LARGE (400 MILLIONTHS) BUT RATHER INACTIVE IN TERMS OF FLARE PRODUCTION. THE REMAINING REGIONS ARE UNIMPRESSIVE. THE GEOMAGNETIC FIELD IS SLIGHTLY DISTURBED. THE PROTON FLUXES AT SATELLITE ALTITUDE ARE ONLY SLIGHTLY ENHANCED.

B. THE NW COMPLEX APPEARS TO BE DECAYING HOWEVER MAJOR FLARES ARE STILL VERY PROBABLE BEFORE WEST LIMB PASSAGE. OVERALL FLARE PRODUCTION ( CLASS M AND X) WILL BE DECREASING DURING THE NEXT 72 HOURS. THE GEOMAGNETIC IS EXPECTED TO BECOME MORE DISTURBED TODAY.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 25/1700Z ENDING 28/1700Z.

CLASS M OR GREATER 90/90/90

CLASS X 50/50/50

PROTON EVENTS 30/30/40

D. OTTAWA 10.7 CM FLUX AT 1400Z WAS 192. PREDICTED 185/178/170.

E. MAGNETIC A-FREDERICKSBURG FOR 24 NOV WAS 06. FOR 25 NOV ABOUT 10 PREDICTED AP FOR 26-28 NOV 40/15/10.

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