

UHV  
PP KFFF  
DE BOU 221715Z  
HERE IS THE MESSAGE FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO  
SDF NUMBER 2694 ISSUED 1700Z 22 MAY 1969

CLASS M FLARES ARE EXPECTED DURING THE NEXT 6 HOURS

A. NOISE STORM AND WEAK DEKAMETRIC CONTINUUM REPORTED IN SDF  
2688 CONTINUE AT SLIGHTLY ENHANCED AMPLITUDE TODAY. RADIO  
EMISSION PRESUMABLY ORIGINATES ABOVE S12W02 REGION WHERE MAGNETIC  
COMPLEXITY IS INFERRD. A CLASS M FLARE WAS REPORTED FROM  
N09E27 REGION BEGINNING 21/0430Z. CIRCULAR DEVELOPMENT IN  
THIS REGION AS DESCRIBED IN SDF 268A IS SIMILAR TO PAST MAJOR  
FLARE REGIONS. INTERACTION WITHIN THE SEVERAL REGIONS TO THE  
EAST SEEMS TO BE OCCURRING, WITH A CLASS C /OPTICAL IMPORTANCE  
2F/ REPORTED FROM N13E61 REGION BEGINNING 21/0826Z. THE GEO-  
MAGNETIC FIELD IS MODERATELY DISTURBED. PROTON FLUXES REMAIN AT  
BACKGROUND.

B. CLASS X FLARES ARE POSSIBLE FROM S12W02 REGION. N09E27  
REGION IS EXPECTED TO PRODUCE CLASS M EVENTS, WITH SLOW GROWTH  
INFERRING FUTURE MAJOR POTENTIAL.

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

CLASS M OR GREATER 90/90/90

CLASS X 30/30/30

PROTON EVENTS 15/20/25

D. OTTAWA 10.7 CM FLUX TODAY IS 173. PREDICTED 135/190/190.

E. N/A.

F. KP ESTIMATED FOR 1200-1500Z WAS 1. KP FORECAST FOR NEXT 24  
HOURS PER KP 15.3; 2/2/2/2/2/1/1/1.

SOLTERWAPN

BT

NNNNHHVV

PP KGEF

DE BOU 222335Z

HERE IS THE MSG FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SDF NUMBER 259B ISSUED 2300Z 22 MAY 1969

CLASS M EVENTS ARE EXPECTED DURING THE NEXT 18 HOURS.

A. CLASS M FLARES OCCURED AT 22/1858 AND 1926Z. THE 1858Z

FLARE OCCURRED AT N12E42 AND WAS IMP 2B. THIS EVENT APPARENTLY

TRIGGERED THE 1926Z IMP 1B FLARE WHICH WAS CENTERED NEAR

N07E22. BOTH EVENTS PRODUCED MODERATELY STRONG RADIO NOISE AND

X-RAY EMISSION BUT NEITHER PRODUCED SIGNIFICANT PROTON

EMISSION. DEKAMETRIC RADIO CONTINUUM CONTINUED THROUGHOUT THE

DAY, AND THE METRIC NOISE STORM INTENSIFIED FOLLOWING THE FLARES.

IN THE EASTERN PORTION OF THE N09E23 REGION AND THE PLAGE THERE IS

BRIGHT. THE REGION NEAR S12W03 SEEMS TO HAVE SIMPLIFIED CONSIDERABLY

BUT NEW DEVELOPMENT IS OCCURRING SOUTH OF IT IN TWO SPOT GROUPS

CENTERED NEAR S20C.

PARTS B, C, AND D ARE UNCHANGED FROM SDF 259A.

E. MAGNETIC A-FREDERICKSBURG FOR 21 MAY WAS 12. FOR 22 MAY ABOUT 12

PREDICTED AP FOR 23-25 MAY, 15/16/17.

SOLTERWARM

BT