

NNNNUUU

PP KGFF

DE BOU 300002Z

THIS IS THE MESSAGE FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SDF NUMBER 791B ISSUED 0000Z JAN 30 1968

MAJOR FLARES ARE POSSIBLE DURING THE NEXT 12 HOURS.

SECTIONS A B C AND D ARE UNCHANGED.

E. MAGNETIC A-FREDERICKSBURG FOR JAN 28 WAS 9. FOR JAN 29 ABOUT 9.

PREDICTED AP UNDER 10/10-15/25-30.

BT

80 31 1

31 1 2

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UUV  
PP KGFF  
DE BOU 301830Z  
THIS IS THE MESSAGE FOR REFILE

QKFROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO  
SDF 792A ISSUED 1800Z JANUARY 30 1968

MAJOR FLARES ARE POSSIBLE DURING THE NEXT 12 HOURS

A. THE IMPRESSIVE CENTER NOW LOCATED AT N13 CM HAS SUBDIVIDED INTO THREE DISTINCT PENUMBRAL REGIONS WITH NO SIGNIFICANT CHANGE IN AREA. WITHIN THE LARGE LEADER UMBRAL FINE STRUCTURE IS CHARACTERISTIC OF EARLIER PROTON-PRODUCING REGIONS. MAGNETICALLY THIS GROUP IS SIMPLE ALTHOUGH THE FIELD STRENGTHS ARE LARGE. THIS STRONG BIPOLAR REGION IS BELIEVED TO BE THE SOURCE OF THE STRONG DEKAMETRIC CONTINUUM OBSERVED DURING EACH OF THE PAST SIX DAYS. SEVERAL BRIGHT POINTS HAVE BEEN OBSERVED IN THE CENTRAL PORTION OF THE ASSOCIATED PLAGE. NEAR S21 E77 A SMALL BUT INTENSILY BRIGHT PLAGE HAS NOT QUITE CLEARED THE LIMB. IT HAS BEEN THE SOURCE OF NUMEROUS SURGES. THE PLAGE ASSOCIATED WITH THE SPOT GROUP PRESENTLY LOCATED AT S22 E46 IS BRIGHT AND HAS SHOWN CONSIDERABLE REORGANIZATION DURING THE PAST 3 HOURS.

B. MAJOR FLARE ACTIVITY IS CONSIDERED LIKELY FROM THE COMPLEX REGION NEAR CM. PROTON EVENTS ARE POSSIBLE FROM SUCH ACTIVITY. THE GROUP AT S11 E46 IS EXPECTED TO CONTINUE ITS RAPID CHROMOSPHERIC DEVELOPMENT AND SHOULD THEREFORE ALSO BE A POSSIBLE SEAT OF MAJOR FLARES.

C. THE DAILY PERCENT PROBABILITY FOR FLARES AND PROTON EVENTS  
JANUARY 31-FEBRUARY 2

IMPORTANCE TWO OR GREATER 50/60/65

IMPORTANCE THREE OR GREATER 5/10/10

PROTON EVENTS 5/10/15

D. THE OTTAWA 10.7 CM FLUX TODAY 241. PREDICTED 250/254/256  
BT