

NNNNWFROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO  
SPACE DISTURBANCE FORECAST NUMBER 476A ISSUED AT 1700Z  
MARCH 22 1967

A. A BRIGHT IMPORTANCE TWO FLARE OCCURRED AT 0025Z TODAY  
IN THE REGION CONTAINING THE CLUSTER OF SPOT GROUPS NOW  
AT N22E51 CMMA N21E64 AND N27E65. THE FLARE APPEARS TO  
HAVE BEEN CENTRALLY LOCATED BETWEEN THE SPOT GROUPS. IT  
WAS ACCOMPANIED BY STRONG IONOSPHERIC AND MODERATE RADIO  
EMISSION EFFECTS. THE LEADING SPOT GROUP IN THIS CLUSTER  
IS LITTLE CHANGED FROM YESTERDAY AND IS CLASS H WITH AREA  
ABOUT 560 MILLIONTHS. THE TRAILING SPOT GROUPS ARE BOTH  
CLASS C WITH AREAS ABOUT 190 AND 100 MILLIONTHS RESPECTIVELY.  
SEVERAL MINOR FLARES HAVE OCCURRED IN THIS REGION FOLLOWING  
THE IMPORTANCE TWO. MINOR FLARE ACTIVITY INCLUDING TWO  
IMPORTANCE ONE FLARES HAS ALSO BEEN REPORTED FROM THE  
REGION CONTAINING THE SMALL CLASS C SPOT AT N15E19.

B. INFREQUENT MAJOR FLARE ACTIVITY MAY BE EXPECTED FROM  
THE NORTHEAST REGION. 10 CM RADIO FLUX SHOULD CONTINUE TO  
INCREASE.

C. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE  
THREE DAY PERIOD MARCH 23-25 ARE AS FOLLOWS /FIGURES ARE  
PERCENTAGES FOR EACH OF THE THREE DAYS/

IMPORTANCE ONE OR GREATER 100/100/100

IMPORTANCE TWO OR GREATER 35/40/40

IMPORTANCE THREE OR GREATER 10/15/15

PROTON EVENTS 5/10/10

D. THE OTTAWA 10.7 CM FLUX TODAY IS ESTIMATED TO BE 151.

THE PREDICTED VALUES FOR MARCH 23-25 ARE 156/160/163.

E. THE MAGNETIC INFORMATION WILL BE INCLUDED ON THE 2300Z  
FORECAST.

BT

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO  
SPACE DISTURBANCE FORECAST NUMBER 476B ISSUED AT 2300Z  
MARCH 22 1967

A. NO FURTHER ACTIVITY HAS BEEN REPORTED IN EITHER  
THE NORTHEAST OR NORTHCENTRAL REGIONS SINCE THE 1700Z  
FORECAST. A SPOT GROUP NOW BEING ROTATED ONTO THE  
EAST LIMB IS VISIBLE AT ABOUT N17. AT THIS TIME IT  
APPEARS TO BE CLASS J WITH AREA ABOUT 100 MILLIONTHS  
HOWEVER A BETTER EVALUATION WILL BE POSSIBLE TOMORROW.  
THE SPOT GROUP IS ASSOCIATED WITH A MODERATELY BRIGHT  
H-ALPHA PLAGE WHICH HAS PRODUCED OCCASIONAL SMALL  
LIMB SURGES. NO SIGNIFICANT CHANGES HAVE BEEN NOTED  
IN THE REMAINING VISIBLE REGIONS.

B. MAJOR FLARES SHOULD OCCUR AT AN AVERAGE RATE OF  
ONE EVENT EVERY THIRD DAY IN THE NORTHEAST COMPLEX  
OF REGIONS. 10 CM RADIO FLUX CONTINUES TO INCREASE.

C. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE  
THREE DAY PERIOD MARCH 23-25 ARE AS FOLLOWS /FIGURES ARE  
PERCENTAGES FOR EACH OF THE THREE DAYS/

IMPORTANCE ONE OR GREATER 100/100/100

IMPORTANCE TWO OR GREATER 35/40/40

IMPORTANCE THREE OR GREATER 10/15/15

PROTON EVENTS 5/10/10

D. THE OTTAWA 10.7 CM FLUX TODAY IS 151. THE PREDICTED  
VALUES FOR MARCH 23-25 ARE 156/160/163

E. THE FREDERICKSBURG MAGNETIC A INDEX FOR YESTERDAY WAS 8.  
TODAY IT WILL BE ABOUT 5. THE PREDICTED AP VALUES FOR  
MARCH 23-25 ARE 10/40/20