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FROM 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 ACCCOMPANIED 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.

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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