

OM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO  
SPACE DISTURBANCE FORECAST NUMBER 475A ISSUED AT 1700Z  
MARCH 21 1967

A. SOLAR ACTIVITY HAS INCREASED SLIGHTLY WITH THE REAPPEARANCE AT NE LIMB OF A LARGE REGION. THE BRIGHT PLAGE CONTAINS THREE SPOT GROUPS DOMINATED BY THE LARGE H-TYPE SPOT AT N22E62. THE SYMMETRIC PENUMBRA CONTAINS TWO LARGE DARK UMBRAE WITH BRIGHT PLAGE SEPARATING THEM. THE OTHER TWO GROUPS IN THE REGION ARE AT N25E30 AND N21E30 AND CONTAIN MANY SMALL SPOTS. SOME MINOR DEVELOPMENT HAS OCCURRED NEAR N18E22. AN IMPORTANCE ONE FLARE OCCURRED HERE AT ABOUT 2310 YESTERDAY. ONLY SUBFLARES HAVE BEEN REPORTED SINCE THAT TIME. MODERATE TYPE FOUR EMISSION BEGAN AT 1703Z COINCIDENT WITH A MODERATE BURST AT 184 MHZ. NO OPTICAL EVENT HAS BEEN REPORTED AT THIS TIME. SMALL NEW SPOT GROUPS HAVE APPEARED NEAR N21W66 AND N16W21. ALL OTHER VISIBLE REGIONS ARE SMALL AND DECLINING.

B. MAJOR FLARES ARE POSSIBLE IN THE LARGE NE LIMB REGION. IMPORTANCE ONE FLARES ARE VERY PROBABLE HERE AND NEAR N18E22. THE POSSIBILITY OF PROTON EVENTS WILL DEPEND ON MAGNETIC MEASUREMENTS NOT YET AVAILABLE FROM THE NE REGION.

C. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE THREE DAY PERIOD MARCH 22-24 ARE AS FOLLOWS /FIGURES ARE PERCENTAGES FOR EACH OF THE THREE DAYS/

IMPORTANCE ONE OR GREATER 100/100/100

IMPORTANCE TWO OR GREATER 25/25/25

IMPORTANCE THREE OR GREATER 5/5/5

PROTON EVENTS 2/5/5

D. THE OTTAWA 10.7 CM FLUX TODAY IS ESTIMATED TO BE 149. THE PREDICTED VALUES FOR MARCH 22-24 ARE 155/161/167.

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

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SPACE DISTURBANCE FORECAST NUMBER 475B ISSUED AT 2300Z

MARCH 21 1967

A. TWO IMPORTANCE ONE FLARES OCCURRED IN THE CLUSTER OF SPOT GROUPS NEAR NORTHEAST LIMB. THEY WERE AT 1815Z /N25 E80/ AND AT 1831Z /N22 E62/. MINOR IONOSPHERIC AND RADIO EMISSION EFFECTS WERE ASSOCIATED WITH THESE FLARES.

A THIRD IMPORTANCE ONE FLARE AT 2200Z OCCURRED IN THE REGION AT ABOUT N23 W03 WITH NO OTHER ASSOCIATED EFFECTS REPORTED. NO CHANGES HAVE BEEN REPORTED IN ANY OF THE OTHER VISIBLE REGIONS.

B. THE PROBABILITY FOR MAJOR FLARES FROM EITHER REGION MENTIONED ABOVE REMAINS RELATIVELY LOW. THE OTTAWA 10 CM FLUX CONTINUES TO INCREASE.

C. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE THREE DAY PERIOD MARCH 22-24 ARE AS FOLLOWS /FIGURES ARE PERCENTAGES FOR EACH OF THE THREE DAYS/

IMPORTANCE ONE OR GREATER 100/100/100

IMPORTANCE TWO OR GREATER 25/25/25

IMPORTANCE THREE OR GREATER 5/5/5

PROTON EVENTS 2/5/5

D. THE OTTAWA 10.7 CM FLUX TODAY IS 148. THE PREDICTED VALUES FOR MARCH 22-24 ARE 155/160/162

E. THE FREDERICKSBURG MAGNETIC A INDEX FOR YESTERDAY WAS 11. TODAY IT WILL BE ABOUT 9. THE PREDICTED AP VALUES FOR MARCH 22-24 ARE 3/6/5

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