

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SPACE DISTURBANCE FORECAST NUMBER 485A ISSUED AT 1700Z

MARCH 31 1967

A. A SMALL IMPORTANCE TWO FLARE AT 1158Z WAS REPORTED IN THE REGION NEAR N25E38. THE ASSOCIATED SPOT GROUP IS VERY SMALL AND DECLINING. THE NORTHEAST QUADRANT HAS FIVE VERY SMALL GROUPS IN A LARGE AREA OF SCATTERED PLAGE. THE IMPORTANCE ONES FLARES WERE REPORTED AT 0410Z AND 1628Z BOTH FROM THE LARGE COMPLEX REGION AT N20 W56. THE SUNSPOTS THERE CONTINUE MODERATELY LARGE WITH AN H-TYPE SPOT FOLLOWED CLOSELY BY A TYPE E GROUP. NEW SMALL SPOTS ARE DEVELOPING AT N28W49. REGIONS AT S21W63 AND S21W01 EXHIBIT A SLOW DECAY.

B. MAJOR FLARES ARE EXPECTED FROM THE NORTHWEST REGION UNTIL ITS WEST LIMB PASSAGE ON APRIL 2-3. IMPORTANCE TWO FLARES APPEAR POSSIBLE BUT UNLIKELY IN THE NORTHEAST.

C. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE THREE DAY PERIOD APRIL 01-03 ARE AS FOLLOWS/FIGURES ARE PERCENTAGES FOR EACH OF THE THREE DAYS/

IMPORTANCE ONE OR GREATER- 100/100/100

IMPORTANCE TWO OR GREATER 60/40/20

IMPORTANCE THREE OR GREATER 10/10/2

PROTON EVENTS 5/5/2

D. THE OTTAWA 10.7 CM FLUX TODAY IS ESTIMATED TO BE 175.

PREDICTED VALUES FOR APRIL 01-03 ARE 170/155/140.

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 485B ISSUED AT 2300Z

MARCH 31 1967

A. ADDITIONAL IMPORTANCE ONE FLARES TODAY OCCURRED AT
1300 AND 1332Z IN THE REGIONS NEAR N16 W35 AND
S21 W67, RESPECTIVELY. NO LARGER FLARES OR SIGNIFICANT
CHANGES IN THE VISIBLE SOLAR REGIONS HAVE BEEN REPORTED.

B. MAJOR FLARE ACTIVITY IS LIKELY FROM THE NORTHWEST
REGION APRIL 1 AND TO A LESSER EXTENT APRIL 2.

IMPORTANCE TWO FLARES ARE POSSIBLE FROM THE S21 W77
REGION UNTIL ITS WEST LIMB PASSAGE APRIL 2.

C. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE
THREE DAY PERIOD APRIL 1-3 ARE AS FOLLOWS /FIGURES ARE
PERCENTAGES FOR EACH OF THE THREE DAYS/

IMPORTANCE ONE OR GREATER 100/100/100

IMPORTANCE TWO OR GREATER 60/40/20

IMPORTANCE THREE OR GREATER 10/5/2

PROTON EVENTS 5/5/2

D. THE OTTAWA 10.7 CM FLUX TODAY IS 172. THE PREDICTED
VALUES FOR APRIL 1-3 ARE 167/154/140

E. THE FREDERICKSBURG MAGNETIC A INDEX FOR YESTERDAY WAS 13.
TODAY IT WILL BE ABOUT 7. THE PREDICTED AP VALUES FOR
APRIL 1-3 ARE 8/6/6

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