

NNNNKHZFROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO
SPACE DISTURBANCE FORECAST NUMBER 477A ISSUED AT 1700Z
MARCH 23 1967

A. FIVE APPARENTLY SEPARATE SPOT GROUPS ARE NOW VISIBLE BETWEEN E36 AND E74 IN THE LATITUDE RANGE N17 TO N27. THE LARGEST COMPONENT OF THIS CLUSTER OF SPOT GROUPS IS THE CLASS H GROUP OF 520 MILLIONTHS AREA AT N22E36. IT IS FOLLOWED AT N20E51 BY A CLASS D SPOT GROUP WITH AREA ABOUT 240 MILLIONTHS. THE REMAINING GROUPS ARE ALL SMALLER. THE CALCIUM PLAGE ASSOCIATED WITH THE CLUSTER OF SPOT GROUPS IS LARGE AND BRIGHT AND THE REGION IS ALSO BRIGHT AT 9.1 CM. THE LAST MAJOR FLARE REPORTED FROM THIS REGION WAS THE 22/0022Z FLARE WHICH HAS BEEN UPGRADED TO A BRIGHT IMPORTANCE THREE. ALL OTHER VISIBLE REGIONS ARE OF MINOR INTEREST.

B. OCCASIONAL MAJOR FLARES ARE EXPECTED FROM THE NORTHEAST REGION.

C. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE THREE DAY PERIOD MARCH 24-26 ARE AS FOLLOWS /FIGURES ARE PERCENTAGES FOR EACH OF THE THREE DAYS/

IMPORTANCE ONE OR GREATER 100/100/100

IMPORTANCE TWO OR GREATER 40/40/40

IMPORTANCE THREE OR GREATER 15/15/15

PROTON EVENTS 10/10/10

D. THE OTTAWA 10.7 CM FLUX TODAY IS ESTIMATED TO BE 155.

THE PREDICTED VALUES FOR MARCH 24-26 ARE 162/166/168.

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 477B ISSUED AT 2300Z

MARCH 23 1967

A. AN IMPORTANCE 2 FLARE WAS REPORTED AT 1925Z NEAR THE LARGE H-TYPE SPOT AT N22 E45. IT WAS PRECEDED BY AN IMPORTANCE 1 FLARE AT THE SAME LOCATION AT 1858Z. THE LARGE FLARE WAS ACCOMPANIED BY A SHORT-LIVED TYPE IV BURST AT LOW FREQUENCIES.

B. MAJOR FLARES ARE LIKELY IN ASSOCIATION WITH THE CLUSTER OF SUNSPOT GROUPS IN THE NE QUADRANT. THEY ARE EXPECTED TO OCCUR AT A RATE OF LESS THAN ONE PER DAY. CONTINUED DEVELOPMENT OF SPOTS NOW NEAR N20 E47 AND RETURNING REGION ON 25-26 MARCH SHOULD CAUSE AN OVERALL INCREASE IN SOLAR ACTIVITY INDICES.

C. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE THREE DAY PERIOD MARCH 24-26 ARE AS FOLLOWS /FIGURES ARE PERCENTAGES FOR EACH OF THE THREE DAYS/

IMPORTANCE ONE OR GREATER 100/100/100.

IMPORTANCE TWO OR GREATER 40/40/40

IMPORTANCE THREE OR GREATER 15/15/15

PROTON EVENTS 10/10/10

D. THE OTTAWA 10.7 CM FLUX TODAY IS 151. THE PREDICTED VALUES FOR MARCH 24-26 ARE 158/163/168

E. THE FREDERICKSBURG MAGNETIC A INDEX FOR YESTERDAY WAS 4. TODAY IT WILL BE ABOUT 1. THE PREDICTED AP VALUES FOR MARCH 24-26 ARE 25/30/10

BT