

NNNN

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO
SPACE DISTURBANCE FORECAST NUMBER 480A ISSUED AT 1700Z
MARCH 26 1967.

A. AN IMPORTANCE 2N FLARE OCCURRED AT 0508Z TODAY, AT N23 W03. THIS PLACES IT NEAR A LARGE H TYPE SPOT, NUMBER 649. IT WAS ACCOMPANIED BY WEAK TO MODERATE IONOSPHERIC EFFECTS. SUNSPOT NUMBER 653, A LARGE F TYPE, HAS PRODUCED 1B FLARES AT 1449Z AND AT 1606Z. BOTH WERE ACCOMPANIED BY WELL-MARKED IONOSPHERIC EFFECTS. THE EARLIER ONE WAS ACCOMPANIED BY CONTINUUM EMISSION BETWEEN 25 AND 41 MC AND BY A 2800 MC BURST OF 188 FLUX UNITS. THE SECOND ONE MAY HAVE BEEN A 2N.

B. WE HAVE HAD IMPORTANCE TWO FLARES ONCE EVERY TWO TO THREE DAYS. THIS RATE SHOULD CONTINUE, AS BOTH REGIONS 649 AND 653 RETAIN THEIR POTENTIAL.

C. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE THREE DAY PERIOD MARCH 27-29 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 170.

THE PREDICTED VALUES FOR MARCH 27-29 ARE 175/180/185.

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

F. SINCE THIS FORECAST WAS TYPED, WE HAVE RECEIVED WORD THAT SAC PEAK HAS RECLASSIFIED THE FLARE AT 1608Z AS IMPORTANCE THREE NORMAL.

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FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO
SPACE DISTURBANCE FORECAST NUMBER 480B ISSUED AT 2300Z
MARCH 26 1967.

A. NOTHING MORE THAN IMPORTANCE ONE FLARES HAS BEEN OBSERVED SINCE THE
1700Z FORECAST. MCMATH DIVIDED THE LARGE FLARE WHICH WAS CALLED IMPORT-
ANCE THREE BY SAC PEAK INTO TWO FLARES. THE SECOND OF THESE WAS CLASSED
AS IMPORTANCE 2 NORMAL AT 1640Z. SAC PEAK GAVE THE TIME OF THE 3
NORMAL FLARE AS 1635Z.

B. THE OCCURRENCE OF MAJOR FLARES SHOULD CONTINUE AT A RATE OF ONE
EVERY TWO OR THREE DAYS. A REGION JUST RETURNED IN THE SOUTHEAST HAS
PRODUCED AN IMPORTANCE ONE NORMAL FLARE TODAY AT 1402Z. HOWEVER IT
DID NOT PRODUCE ANYTHING MORE THAN IMPORTANCE ONE BRIGHT FLARES ON
ITS PREVIOUS TRANSIT.

C. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE
THREE DAY PERIOD MARCH 27-29 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 165. THE PREDICTED
VALUES FOR MARCH 27-29 ARE 165/164/163.

E. THE FREDERICKSBURG MAGNETIC A INDEX FOR YESTERDAY WAS 3.
TODAY IT WILL BE ABOUT 1. THE PREDICTED AP VALUES FOR
MARCH 27-29 ARE 5/15/10