

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO
SPACE DISTURBANCE FORECAST NUMBER 481A ISSUED AT 1700Z
MARCH 27 1967

A. A LARGE IMPORTANCE ONE FLARE /POSSIBLY IMPORTANCE TWO/
BEGAN AT ABOUT 1602Z IN THE REGION NOW NEAR N20W02. THIS
REGION ALSO PRODUCED IMPORTANCE ONE FLARES AT ABOUT 1445
AND 0845Z HOWEVER THE 0845Z FLARE WAS ALSO CALLED A SUB-
FLARE. THE SPOT GROUPS AT N20W02 AND N22W16 HAVE NOT
CHANGED SIGNIFICANTLY IN SIZE HOWEVER SOME STRUCTURAL
CHANGES HAVE OCCURRED WITHIN THEM SINCE YESTERDAY. THE
SPOT GROUP AT ABOUT S20E54 APPEARS TO HAVE GROWN SOMEWHAT
AND BECOME MORE COMPLEX BUT NO ADDITIONAL FLARES HAVE
BEEN REPORTED FROM IT SINCE YESTERDAY.

B. FLARES OF IMPORTANCE TWO OR GREATER CONTINUE TO BE
EXPECTED FROM THE NORTH CENTRAL REGION AT AN AVERAGE RATE
OF ABOUT ONE EVERY TWO DAYS. THE REGION AT S20E54 APPEARS
TO BE DEVELOPING INTO A POTENTIAL SOURCE FOR MAJOR FLARES.

C. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE
THREE DAY PERIOD MARCH 28-30 ARE AS FOLLOWS /FIGURES ARE
PERCENTAGES FOR EACH OF THE THREE DAYS/

IMPORTANCE ONE OR GREATER 100/100/100

IMPORTANCE TWO OR GREATER 50/50/50

IMPORTANCE THREE OR GREATER 20/20/20

PROTON EVENTS 10/10/10

D. THE OTTAWA 10.7 CM FLUX TODAY IS ESTIMATED TO BE 166.
THE PREDICTED VALUES FOR MARCH 28-30 ARE 168/170/170.

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 481B ISSUED AT 2300Z
MARCH 27 1967

A. LOCKHEED REPORTED AN IMPORTANCE ONE BRIGHT FLARE AT
2113Z IN THE NORTHCENTRAL REGION. IT WAS ACCOMPANIED
BY MODERATELY STRONG RADIO EMISSION AND IONOSPHERIC
EFFECTS. NO SIGNIFICANT CHANGES HAVE BEEN REPORTED IN
THE SPOT GROUPS IN THE NORTH CENTRAL REGION HOWEVER
MAGNETIC INFORMATION REVEALS A POSSIBLE DELTA CONFIGURATION
DEVELOPING IN THE GROUP AT N20 W06. THE REGION NEAR
S21 E50 PRODUCED AN IMPORTANCE ONE FLARE AT 1245Z.

B. MAJOR FLARES CONTINUE TO BE EXPECTED FROM THE NORTH
CENTRAL REGION.

C. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE
THREE DAY PERIOD MARCH 28-30 ARE AS FOLLOWS /FIGURES ARE
PERCENTAGES FOR EACH OF THE THREE DAYS/

IMPORTANCE ONE OR GREATER 100/100/100

IMPORTANCE TWO OR GREATER 50/50/50

IMPORTANCE THREE OR GREATER 20/20/20

PROTON EVENTS 10/10/10

D. THE OTTAWA 10.7 CM FLUX TODAY IS 164. THE PREDICTED
VALUES FOR MARCH 28-30 ARE 166/168/170

E. THE FREDERICKSBURG MAGNETIC A INDEX FOR YESTERDAY WAS 3.
TODAY IT WILL BE ABOUT 14. THE PREDICTED AP VALUES FOR
MARCH 28-30 ARE 8/6/4

BT