

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO
SPACE DISTURBANCE FORECAST NUMBER 434A ISSUED AT 1700Z

MARCH 30 1967

A. AN IMPORTANCE TWO FLARE OCCURRED AT ABOUT 0845Z TODAY
IN THE REGION NOW AT N20W44. IT PRODUCED XRAYS OBSERVED
IONOSPHERICALLY AS WELL AS BY SATELLITE. MINOR GROWTH AND
SOME REORGANIZATION HAS OCCURRED IN THE CENTRAL SPOT
GROUP IN THIS REGION AND THE REGION HAS INCREASED IN
EMISSION AT 9.1 CM. THE SPOT GROUP AT S21W53 HAS ALSO
GROWN SLIGHTLY AND 9.1 CM EMISSION HAS ALSO INCREASED
FROM THIS REGION. TWO IMPORTANCE ONE FLARES HAVE BEEN
REPORTED FROM IT TODAY. THE SPOT GROUP AT S20E12 NOW
APPEARS TO BE DECLINING.

B. MAJOR FLARES ARE EXPECTED FROM THE REGIONS AT N20W44
AND TO A LESSER EXTENT S21W53.

C. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE
THREE DAY PERIOD MARCH 31-APRIL 02 ARE AS FOLLOWS/FIGURES
ARE PERCENTAGES FOR EACH OF THE THREE DAYS/

IMPORTANCE ONE OR GREATER 100/100/100

IMPORTANCE TWO OR GREATER 60/50/25

IMPORTANCE THREE OR GREATER 15/10/5

PROTON EVENTS 5/5/5

D. THE OTTAWA 10.7 CM FLUX TODAY IS ESTIMATED TO BE 175.
PREDICTED VALUES FOR MARCH 31-APRIL 02 ARE 173/170/160.

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

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO
SPACE DISTURBANCE FORECAST NUMBER 484B ISSUED AT 2300Z
MARCH 30 1967

A. NO SIGNIFICANT FLARES HAVE BEEN REPORTED SINCE 1700Z
TODAY. AT ABOUT 1938Z MODERATE RADIO EMISSION AND IONO-
SPHERIC EVENTS OCCURRED HOWEVER NO OPTICAL FLARE HAS
BEEN REPORTED ASSOCIATED WITH THEM. NO IMPORTANT CHANGES
HAVE BEEN REPORTED IN ANY OF THE VISIBLE REGIONS.

B. MAJOR FLARES ARE LIKELY FROM THE NORTHWEST REGION FOR
TWO MORE DAYS. THE LOCATION WHICH HAS BEEN THE SOURCE OF
MOST OF THE FLARE ACTIVITY IN THIS REGION WILL PASS OVER
WEST LIMB BY APRIL 2. IMPORTANCE TWO FLARES ARE POSSIBLE
FROM THE REGION NEAR S21W57 HOWEVER THIS REGION WILL ALSO
PASS OVER WEST LIMB BEFORE APRIL 2.

C. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE
THREE DAY PERIOD MARCH 31-APRIL 02 ARE AS FOLLOWS/FIGURES
ARE PERCENTAGES FOR EACH OF THE THREE DAYS/

IMPORTANCE ONE OR GREATER 100/100/100

IMPORTANCE TWO OR GREATER 60/50/25

IMPORTANCE THREE OR GREATER 15/10/5

PROTON EVENTS 5/5/5

D. THE OTTAWA 10.7 CM FLUX TODAY IS 176. THE PREDICTED
VALUES FOR MARCH 31-APRIL 02 ARE 173/170/160.

E. THE FREDERICKSBURG MAGNETIC A INDEX FOR YESTERDAY WAS
6. TODAY IT WILL BE ABOUT 8. THE PREDICTED VALUES FOR
MARCH 31-APRIL 02, ARE 8/12/8.

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