

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO
SPACE DISTURBANCE FORECAST NUMBER 496A ISSUED AT 1700Z
APRIL 11 1967

A. SOLAR ACTIVITY REMAINS MUCH THE SAME AS YESTERDAY WITH OCCASSIONAL SMALL FLARES OCCURRING IN REGIONS AT S20W70 AND N22W24. THE TYPE E SPOT GROUP IN THE SW REGION IS LITTLE CHANGED FROM YESTERDAY WITH AN AREA NEAR 350 MILLIONTHS. THE SPOT GROUP IN THE NW REGION HAS FORMED A MODERATELY LARGE SYMMETRIC LEADER SPOT BRINGING THE GROUP AREA UP TO 170 MILLIONTHS. PROBABLE IMPORTANCE ONE FLARES OCCURRED AT ABOUT 1112Z IN THE SW REGION AND AT 1336Z IN THE NW REGION.

B. SOLAR ACTIVITY WILL REDUCE TO A QUIET LEVEL WITH THE WEST LIMB PASSAGE OF THE REGION NOW NEARING SW LIMB. A REGION DUE AT NE LIMB TOMORROW IS NOT EXPECTED TO BE SIGNIFICANT.

C. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE THREE DAY PERIOD APRIL 12-14 ARE AS FOLLOWS/FIGURES ARE PERCENTAGES FOR EACH OF THE THREE DAYS/

IMPORTANCE ONE OR GREATER 100/90/90

IMPORTANCE TWO OR GREATER 15/5/2

IMPORTANCE THREE OR GREATER 2/0/0

PROTON EVENTS 1/0/0

D. THE OTTAWA 10.7 CM FLUX TODAY IS ESTIMATED TO BE 129.
THE PREDICTED VALUES FOR APRIL 12-14 ARE 125/123/123.

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

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SPACE DISTURBANCE FORECAST NUMBER 496B ISSUED AT 2300Z

APRIL 11 1967

A. AN IMPORTANCE TWO BRIGHT FLARE OCCURRED TODAY IN THE SUNSPOT GROUP AT S20W68 AT 2105Z. THE FLARE WAS ACCCOMPANIED BY IONOSPHERIC EFFECTS REPORTED BY SEVERAL OBSERVATORIES AND A SMALL X-RAY ENHANCEMENT DETECTED BY SATELLITE. THE PROBABLE IMPORTANCE ONE FLARE REPORTED THIS MORNING FROM THE REGION AT N22W24 AT 1335Z HAS ALSO BEEN REPORTED AS AN IMPORTANCE TWO. NO IONOSPHERIC EFFECTS AND ONLY SMALL RADIO EVENTS HAVE BEEN REPORTED AT THAT TIME. ALL OTHER REGIONS REMAIN STABLE AND INACTIVE.

B. THE PROBABILITY FOR MAJOR FLARES WILL DECLINE WITH THE PASSAGE OVER WEST LIMB TOMORROW OF THE SW REGION. IMPORTANCE ONE FLARES CAN STILL BE EXPECTED FROM THE NW REGION MENTIONED ABOVE.

C. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE THREE DAY PERIOD APRIL 12-14 ARE AS FOLLOWS/FIGURES ARE PERCENTAGES FOR EACH OF THE THREE DAYS/

IMPORTANCE ONE OR GREATER 100/95/95

IMPORTANCE TWO OR GREATER 15/5/2

IMPORTANCE THREE OR GREATER 2/0/0

PROTON EVENTS 1/0/0

D. THE OTTAWA 10.7 CM FLUX TODAY IS 132. THE PREDICTED VALUES FOR APRIL 12-14 ARE 128/124/124.

E. THE FREDERICKSBURG MAGNETIC A INDEX FOR YESTERDAY WAS 6. TODAY IT WILL BE ABOUT 1. THE PREDICTED AP VALUES FOR APRIL 12-14 ARE 6/6/6.

BT