

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO  
SPACE DISTURBANCE FORECAST NUMBER 495A ISSUED AT 1700Z  
APRIL 10 1967

A. MINOR FLARE ACTIVITY CONTINUES IN THE REGION NOW LOCATED NEAR S20 W54. IMPORTANCE ONE FLARES OCCURRED THERE AT 0310 CMMA 0943 CMMA 1035 AND 1604Z. THE SPOT GROUP IN THIS REGION HAS GROWN AND IS NOW CLASS E WITH AREA EXCEEDING 400 MILLIONTHS. A REGION CONTAINING A SMALL CLASS C SPOT GROUP AT N22 W05 HAS ALSO PRODUCED MINOR FLARES INCLUDING AN IMPORTANCE ONE AT 1640Z TODAY.

B. IMPORTANCE TWO FLARES ARE POSSIBLE IN THE S20 W54 REGION. A REGION WHICH HAD A LARGE DISPERSED PLAGE AND SMALL SPOT GROUPS DURING ITS LAST ROTATION SHOULD RETURN TO SOUTHEAST LIMB LIMB LATE TODAY AND TOMORROW. IT IS NOT EXPECTED TO BE ACTIVE BUT IT SHOULD PRODUCE A MINOR INCREASE IN 10 CM RADIO FLUX.

C. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE THREE DAY PERIOD APRIL 11-13 ARE AS FOLLOWS /FIGURES ARE PERCENTAGES FOR EACH OF THE THREE DAYS/

IMPORTANCE ONE OR GREATER 100/100/95

IMPORTANCE TWO OR GREATER 20/20/15

IMPORTANCE THREE OR GREATER 2/2/1

PROTON EVENTS 1/1/1

D. THE OTTAWA 10.7 CM FLUX TODAY IS ESTIMATED TO BE 129. THE PREDICTED VALUES FOR APRIL 11-13 ARE 132/134/134

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

BT

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SPACE DISTURBANCE FORECAST NUMBER 495B ISSUED AT 2300Z

APRIL 10 1967

A. ONLY SUBFLARES HAVE BEEN REPORTED SINCE 1700Z TODAY

IN THE SUNSPOT GROUPS AT S20 W58 AND N22 W09. THESE

GROUPS ARE CONTAINED IN THE TWO LARGEST AND BRIGHTEST

PLAGES NOW VISIBLE ON THE DISK. ALL OTHER SPOT GROUPS

ARE SMALL AND STABLE.

B. FLARE OF IMPORTANCE ONE AND POSSIBLY AS LARGE AS IMPORTANCE

TWO CAN BE EXPECTED FROM THE REGION AT S20 W58. THE REGION

AT N22 W09 DOES NOT APPEAR CAPABLE OF PRODUCING FLARES

LARGER THAN IMPORTANCE ONE.

C. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE

THREE DAY PERIOD APRIL 11-13 ARE AS FOLLOWS /FIGURES ARE

PERCENTAGES FOR EACH OF THE THREE DAYS/

IMPORTANCE ONE OR GREATER 100/100/95

IMPORTANCE TWO OR GREATER 20/20/15

IMPORTANCE THREE OR GREATER 2/2/1

PROTON EVENTS 1/1/1

D. THE OTTAWA 10.7 CM FLUX TODAY IS 130. THE PREDICTED

VALUES FOR APRIL 11-13 ARE 132/134/134

E. THE FREDERICKSBURG MAGNETIC A INDEX FOR YESTERDAY WAS 3.

TODAY IT WILL BE ABOUT 5. THE PREDICTED AP VALUES FOR

APRIL 11-13 ARE 6/6/6

BT