

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SPACE DISTURBANCE FORECAST NUMBER 509A ISSUED AT 1700Z

APRIL 24 1967

A. ONLY MINOR FLARES HAVE BEEN REPORTED TODAY INCLUDING AN IMPORTANCE ONE AT 1025Z IN THE REGION NOW NEAR N22W15. ALL VISIBLE REGIONS APPEAR TO BE INACTIVE AND STABLE OR DECLINING. RETURNING PLAGE REGIONS ARE VISIBLE ON NORTHEAST LIMB HOWEVER THEY ARE NOT BRIGHT AND NO SPOTS ARE VISIBLE THERE.

B. SOLAR PROTONS ARE NOT EXPECTED. A REGION EXPECTED TO RETURN TO SOUTHEAST LIMB MAY PRODUCE AN INCREASE IN ACTIVITY. UNTIL THEN MAJOR FLARES ARE NOT EXPECTED AND 10 CM FLUX SHOULD DECLINE WITH WEST LIMB PASSAGE OF MINOR RADIO SOURCES.

C. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE THREE DAY PERIOD APRIL 25-27 ARE AS FOLLOWS/FIGURES ARE PERCENTAGES FOR EACH OF THE THREE DAYS/

IMPORTANCE ONE OR GREATER 90/95/95

IMPORTANCE TWO OR GREATER 5/5/5

IMPORTANCE THREE OR GREATER 0/1/1

PROTON EVENTS 0/1/1

D. THE OTTAWA 10.7 CM FLUX TODAY IS ESTIMATED TO BE 128. THE PREDICTED VALUES FOR APRIL 25-27 ARE 125/127/130.

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 509B ISSUED AT 2300Z

APRIL 24 1967

A. A SMALL BRIGHT IMPORTANCE ONE FLARE REPORTED IN THE REGION NEAR N25 E37 AT 2211Z HAS NOT BEEN CONFIRMED BY OTHER OBSERVATIONS. THE CALCIUM PLAGE IN THIS REGION HAS INCREASED IN AREA AND BRIGHTNESS HOWEVER THE SPOT GROUP IS SMALL AND ESSENTIALLY UNCHANGED. MODERATELY BRIGHT GREEN CORONA AT NORTHEAST LIMB MAY BE RELATED TO AN ACTIVE CENTER BEYOND THE LIMB.

B. MAJOR FLARES ARE NOT EXPECTED PRIOR TO THE RETURN OF A REGION TO THE SOUTHEAST LIMB ON THE 26TH.

C. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE THREE DAY PERIOD APRIL 25-27 ARE AS FOLLOWS /FIGURES ARE PERCENTAGES FOR EACH OF THE THREE DAYS/

IMPORTANCE ONE OR GREATER 90/95/95

IMPORTANCE TWO OR GREATER 5/5/5

IMPORTANCE THREE OR GREATER 0/1/1

PROTON EVENTS 0/1/1

D. THE OTTAWA 10.7 CM FLUX TODAY IS 129. THE PREDICTED VALUES FOR APRIL 25-27 ARE 125/127/130

E. THE FREDERICKSBURG MAGNETIC A INDEX FOR YESTERDAY WAS 14. TODAY IT WILL BE ABOUT 24. THE PREDICTED AP VALUES FOR APRIL 15-27 ARE 15/10/6

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