

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 INN
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 PREIDCTED VALUES FOR APRIL 25-27 ARE 125/127/130.

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

BT

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO
SPACE DISTURBANCE FORECAST NUMBER 599B 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.1.

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

BT