

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SPACE DISTURBANCE FORECAST NUMBER 609C ISSUED AT 0500Z

AUGUST 3, 1967

MAJOR FLARES ARE POSSIBLE DURING THE NEXT 12 HOURS

BT

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FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO
SPACE DISTURBANCE FORECAST NUMBER 609D ISSUED AT 1100Z
AUGUST 03 1967

MAJOR FLARES ARE POSSIBLE DURING THE NEXT 12 HOURS

AN IMPORTANCE 2N FLARE OCCURRED AT 0918Z AT N26 W85 AND WAS
ACCOMPANIED BY MODERATE RADIO EVENTS. A NEW BRIGHT REGION
AT N17 E88 PRODUCED AN IMPORTANCE 1B FLARE AT 0927Z.

PROTONS ARE NOT EXPECTED FROM EITHER FLARE.

BT

UNCLAS FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO
SPACE DISTURBANCE FORECAST NUMBER 610A ISSUED AT 1700Z
AUGUST 3 1967

MAJOR FLARES ARE POSSIBLE DURING NEXT 12 HOURS

A. AN IMPORTANCE 2 FLARE OCCURRED AT 0918Z AT N26 W85 IN A
LARGE REGION THAT CONTAINS A LARGE BUT DECAYING SUNSPOT
GROUP. A BRIGHT PLAGE AND SMALL SPOT GROUP HAS APPEARED AT
N19E85 AND SHOWS SIGNS OF A NEW REGION WITH POTENTIAL FOR
GROWTH. AN IMPORTANCE ONE FLARE WAS REPORTED AT 0927Z FROM
THIS REGION. ALL OTHER REGIONS VISIBLE ARE RELATIVELY
STABLE AND HAVE PRODUCED NO SIGNIFICANT ACTIVITY TODAY.

B. THE POSSIBILITY FOR MAJOR FLARES WILL CONTINUE TO EXIST
FOR ANOTHER 36 HOURS UNTIL WEST LIMB PASSAGE OF THE LARGE
ACTIVE REGION AT N26 W79. IT IS POSSIBLE THAT THE NE LIMB
REGION WILL BECOME A SOURCE OF IMPORTANT FLARES BY THE END
OF THE FORECAST PERIOD.

C. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE
THREE DAY PERIOD AUGUST 4-6 ARE AS FOLLOWS /FIGURES ARE
PERCENTAGES FOR EACH OF THE THREE DAYS/

IMPORTANCE ONE OR GREATER 100/100/100

IMPORTANCE TWO OR GREATER 50/25/10

IMPORTANCE THREE OR GREATER 5/2/0

PROTON EVENTS 5/5/0

D. THE OTTAWA 10.7 CM FLUX TODAY IS ESTIMATED TO BE 150.
THE PREDICTED VALUES FOR AUGUST 4-6 ARE 140/125/110.

BT

PLS ADD GCEN/TSB

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SPACE DISTURBANCE FORECAST NUMBER 610B ISSUED AT 2300Z

AUGUST 3, 1967

MAJOR FLARES ARE POSSIBLE DURING THE NEXT 12 HOURS

A. ONLY SMALL FLARES HAVE BEEN REPORTED SINCE THE IMPORTANCE TWO FLARE AT 03/0918Z. THE REGIONS NEAR N27W81 AND N19E80 HAVE BEEN THE SOURCE OF MOST OF THE FLARE ACTIVITY. THE REGION NEAR N19E80 CONTAINS A BRIGHT AND COMPACT PLAGE AND SMALL SPOT GROUPS. THE REGIONS IN THE NORTHWEST QUADRANT ALL APPEAR TO BE STABLE OR DECLINING.

B. MAJOR FLARES ARE POSSIBLE FROM THE N27W81 REGION UNTIL IT COMPLETES WEST LIMB PASSAGE IN ABOUT 24 HOURS. THE N19E80 REGION HAS THE CHARACTERISTICS OF A GROWING AND DEVELOPING REGION AND MAY BECOME A MAJOR FLARE PRODUCER.

C. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE THREE DAY PERIOD AUGUST 4-6 ARE AS FOLLOWS/FIGURES ARE PERCENTAGES FOR EACH OF THE THREE DAYS/

IMPORTANCE ONE OR GREATER 100/100/100

IMPORTANCE TWO OR GREATER 50/25/10

IMPORTANCE THREE OR GREATER 5/2/0

PROTON EVENTS 5/5/0

D. THE OTTAWA 10.7 CM FLUX TODAY IS 159. THE PREDICTED VALUES FOR AUGUST 4-6 ARE 140/125/110

E. THE FREDERICKSBURG MAGNETIC A INDEX FOR YESTERDAY WAS 3. TODAY IT WILL BE ABOUT 4. THE PREDICTED AP RANGES FOR AUGUST 4-6 ARE UNDER 10.

BT