

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SPACE DISTURBANCE FORECAST NUMBER 610C ISSUED AT 0500Z

AUGUST 4, 1967

MAJOR FLARES ARE POSSIBLE BUT NOT LIKELY DURING THE NEXT
12 HOURS.

BT

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO
SPACE DISTURBANCE FORECAST NUMBER 610D ISSUED AT 1100Z
AUGUST 04 1967

MAJOR FLARES ARE POSSIBLE BUT NOT LIKELY DURING THE NEXT 12
HOURS.

BT

UNCLAS FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SPACE DISTURBANCE FORECAST NUMBER 611A ISSUED AT 1700Z

AUGUST 4 1967

MAJOR LIMB FLARES ARE POSSIBLE NEXT 12 HOURS

A. AN IMPORTANCE THREE BRIGHT SURGE BEGAN BEFORE 1505Z FROM WEST LIMB AT ABOUT N28. INTENSE X-RAY EMISSION AT 1515Z TOGETHER WITH SUCH A LARGE LIMB EVENT INDICATES A FLARE OF IMPORTANCE TWO OR GREATER. PROXIMITY TO THE LIMB PRECLUDES ACCURATE FLARE IMPORTANCE DETERMINATION. RADIO EMISSION WAS MINOR. MINOR FLARES HAVE OCCURRED TODAY IN A DEVELOPING REGION AT N19 E70 WHICH NOW CONTAINS A TYPE D SPOT GROUP. SIGNIFICANT SUNSPOT GROWTH HAS ALSO OCCURRED IN THE REGION AT S28 W20.

B. ADDITIONAL MAJOR LIMB EVENTS ARE POSSIBLE BEFORE COMPLETION OF WEST LIMB PASSAGE OF THE REGION AT N28. FLARES AS LARGE AS IMPORTANCE ONE ARE EXPECTED FROM THE DEVELOPING NE REGION. NO SIGNIFICANT REGIONS ARE EXPECTED TO RETURN TO EAST LIMB DURING THE FORECAST PERIOD.

C. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE THREE DAY PERIOD AUGUST 5-7 ARE AS FOLLOWS/FIGURES ARE PERCENTAGES FOR EACH OF THE THREE DAYS/

IMPORTANCE ONE OR GREATER 100/100/100

IMPORTANCE TWO OR GREATER 20/10/10

IMPORTANCE THREE OR GREATER 5/1/1

PROTON EVENTS 5/0/0

D. THE OTTAWA 10.7 CM FLUX TODAY IS ESTIMATED TO BE 146.

THE PREDICTED VALUES FOR AUGUST 5-7 ARE 125/110/110

BT

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SPACE DISTURBANCE FORECAST NUMBER 611B ISSUED AT 2300Z

AUG 04 1967

ONLY MINOR FLARES ARE EXPECTED DURING THE NEXT 12 HOURS.

A. NO ADDITIONAL FLARES AS LARGE AS IMPORTANCE TWO HAVE BEEN REPORTED SINCE THE 04/1515Z FLARE. CONFIRMED REPORTS HAVE BEEN RECEIVED OF LARGE LOOP PROMINENCE AT THE NORTHWEST LIMB ASSOCIATED WITH THE 04/1515Z FLARE. THE CHAIN OF SPOT GROUPS BETWEEN W35-90 AND N14-20 ARE STABLE AND INACTIVE. MINOR GROWTH IS EVIDENT IN THE REGIONS NEAR S27W24 AND N19E67 SINCE 04/1500Z. A TINY BRIGHT POINT IN WHITE LIGHT IS VISIBLE ON EAST LIMB AT ABOUT N25.

B. LIMB ACTIVITY IS POSSIBLE FROM THE REGION NEAR N27 WEST LIMB FOR THE NEXT DAY ALTHOUGH THE REGION WILL COMPLETE LIMB PASSAGE BY ABOUT 05/0000Z. ONLY MINOR ACTIVITY IS ANTICIPATED FROM THE SOUTHWEST AND NORTHEAST REGIONS UNTIL CONSIDERABLY MORE GROWTH OCCURS. PROTONS ARE NOT EXPECTED FROM THE 1515Z FLARE ALTHOUGH THE OCCURENCE OF LOOP PROMINENCES INCREASES THE PROBABILITY SLIGHTLY.

C. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE THREE DAY PERIOD AUG 5-7 ARE AS FOLLOWS/FIGURES ARE PERCENTAGES FOR EACH OF THE THREE DAYS

IMPORTANCE ONE OR GREATER 100/100/100

IMPORTANCE TWO OR GREATER 10/5/5

IMPORTANCE THREE OR GREATER 2/1/1

PROTON EVENTS 5/1/0

D. THE OTTAWA 10.7 CM FLUX TODAY IS 148. THE PREDICTED VALUES FOR AUG 5-7 ARE 125/110/110.

E. THE FREDERICKSBURG MAGNETIC A INDEX FOR YESTERDAY WAS 2. TODAY IT WILL BE ABOUT 9. THE PREDICTED AP RANGES FOR AUG 5-7 ARE 8-18/15-25/10-20.