

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SPACE DISTURBANCE FORECAST NUMBER 605C ISSUED AT 0500Z

JULY 30 1967

MAJOR FLARES ARE POSSIBLE DURING THE NEXT 12 HOURS.

BT

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SPACE DISTURBANCE FORECAST NUMBER 605D ISSUED AT 1100Z

JULY 30, 1967

MAJOR FLARES ARE POSSIBLE DURING THE NEXT 12 HOURS.

BT

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO  
SPACE DISTURBANCE FORECAST NUMBER 606A ISSUED AT 1700Z

JULY 30, 1967

MAJOR FLARES ARE POSSIBLE DURING THE NEXT 12 HOURS

A. THE REGIONS NEAR N27W26 AND N17W11 CONTINUE TO PRODUCE  
NUMEROUS SMALL FLARES. A FLARE AT 30/0505Z IN THE REGION  
AT N27W26 WAS REPORTED AS IMPORTANCE TWO BY ONE OBSERVATORY  
BUT FOUR OTHER OBSERVATORIES CALLED IT IMPORTANCE ONE.

SEVERAL OF THE FLARES HAVE BEEN CHARACTERIZED BY  
MODERATE RADIO EMISSIONS AND IONOSPHERIC EFFECTS.

THE SPOT GROUP IN THE N27E26 REGION IS DISPLAYING SOME  
SIGNS OF DECAYING AND IN CLASS/AREA F/1400. THE PLAGE  
THERE CONTINUES TO BE LARGE AND MODERATELY BRIGHT BUT 9.1  
CM RADIO EMISSION FROM THE REGION HAS DECLINED. LITTLE CHANGE  
HAS OCCURRED IN THE N17W11 REGION.

B. THE REGIONS NEAR N27W26 AND N17W11 APPEAR CAPABLE OF PRO-  
DUCING MAJOR FLARES.

C. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE THREE  
DAY PERIOD JULY 31-AUG 2 ARE AS FOLLOWS /FIGURES ARE  
PERCENTAGES FOR EACH OF THE THREE DAYS/

IMPORTANCE ONE OR GREATER 100/100/100

IMPORTANCE TWO OR GREATER 80/80/80

IMPORTANCE THREE OR GREATER 15/15/15

PROTON EVENTS 15/15/15

D. THE OTTAWA 10.7 CM FLUX TODAY IS ESTIMATED TO BE 204.  
THE PREDICTED VALUES FOR JULY 31-AUG 2 ARE 200/200/195.

BT

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO  
SPACE DISTURBANCE FORECAST NUMBER 606B ISSUED AT 2300Z  
JULY 30 1967

MAJOR FLARES ARE POSSIBLE DURING THE NEXT 12 HOURS

A. NINE IMPORTANCE ONE FLARES AND MANY SUBFLARES HAVE BEEN REPORTED TODAY. OF THE IMPORTANCE ONE FLARES FIVE OCCURRED IN THE REGION NEAR N27 W30 AND FOUR NEAR N17 W15. ADDITIONAL INFORMATION TENDS TO VERIFY THAT THE SPOT GROUP NEAR N27 W30 IS DECLINING IN AREA AND STRUCTURAL CHARACTERISTICS. ITS PLAGE, HOWEVER, REMAINS LARGE AND MODERATELY BRIGHT. NO SIGNIFICANT CHANGES HAVE BEEN REPORTED IN THE N17 W15 REGION. REGIONS NEAR N23 E07 AND N16 E26 ARE MODERATELY LARGE AND COMPLEX BUT THEY HAVE BEEN RELATIVELY STABLE AND INACTIVE.

B. MAJOR FLARE ACTIVITY CONTINUES TO BE POSSIBLE FROM THE REGIONS NEAR N27 W30 AND N17 W15. ALTHOUGH THE N27 W30 REGION SEEMS TO BE DECLINING IT STILL POSSESSES CHARACTERISTICS OF A MAJOR FLARE PRODUCER. LARGE FLARES ARE POSSIBLE FROM THE N23 E07 AND N16 E26 REGIONS BUT ARE UNLIKELY IN VIEW OF THEIR FLARE HISTORIES.

C. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE THREE DAY PERIOD JULY 31-AUGUST 2 ARE AS FOLLOWS/FIGURES ARE PERCENTAGES FOR EACH OF THE THREE DAYS/

IMPORTANCE ONE OR GREATER 100/100/100

IMPORTANCE TWO OR GREATER 75/75/75

IMPORTANCE THREE OR GREATER 15/15/15

PROTON EVENTS 15/15/15

D. THE OTTAWA 10.7 CM FLUX TODAY IS 205. THE PREDICTED VALUES FOR JULY 31-AUGUST 2 ARE 200/200/195.

E. THE FREDERICKSBURG MAGNETIC A-INDEX FOR YESTERDAY WAS 11. TODAY IT WILL BE ABOUT 12. THE PREDICTED AP RANGES FOR JULY 31-AUGUST 2 ARE 6-12/UNDER 10/UNDER 10.

BT