

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SPACE DISTURBANCE FORECAST. NUMBER 604C ISSUED AT 0500Z

JULY 29 1967

MAJOR FLARES ARE EXPECTED DURING THE NEXT 12 HOURS.

BT

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO  
SPACE DISTURBANCE FORECAST NUMBER 604D ISSUED AT 1100Z  
JULY 29, 1967

MAJOR FLARES ARE EXPECTED DURING THE NEXT 12 HOURS.

BT

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FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SPACE DISTURBANCE FORECAST NUMBER 605A ISSUED AT 1700Z

JULY 29 1967

MAJOR FLARES ARE POSSIBLE DURING THE NEXT 12 HOURS.

A. AN IMPORTANCE TWO NORMAL FLARE WAS REPORTED IN THE REGION AT N19E19 AT 0240Z. THE SPOT GROUP THERE IS NOW CLASS/AREA D/220 AND IT APPEARS CAPABLE OF FURTHER GROWTH. THE LARGE REGION AT N27W12 PRODUCED AN IMPORTANCE TWO BRIGHT FLARE AT 1458Z WHICH WAS ACCOMPANIED BY SMALL RADIO AND IONOSPHERIC EFFECTS. THIS REGION HAS DECLINED SLIGHTLY IN COMPLEXITY AND IS PRODUCING FEWER FLARES PER DAY THAN EARLIER THIS WEEK. A SMALL REGION WHICH WAS AT S30W74 YESTERDAY PRODUCED AN IMPORTANCE TWO NORMAL FLARE AT 0408Z. MODERATE LIMB ACTIVITY WAS ASSOCIATED WITH THIS REGION AS IT PASSED OFF WEST LIMB. IT WILL RETURN ON AUG. 13.

B. MAJOR FLARES ARE POSSIBLE FROM THE REGIONS AT N27W12 AND N19E19.

C. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE THREE DAY PERIOD JULY 30 - AUG 1 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 25/25/25

PROTON EVENTS 20/20/20

D. THE OTTAWA 10.7 CM FLUX TODAY IS ESTIMATED TO BE 204.

THE PREDICTED VALUES FOR JULY 30 - AUG 1 ARE 204/202/200.

BT

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SPACE DISTURBANCE FORECAST NUMBER 605B ISSUED AT 2300Z

JULY 29 1967

MAJOR FLARES ARE POSSIBLE DURING THE NEXT 12 HOURS

A. AN IMPORTANCE ONE NORMAL FLARE OCCURRED AT 1941Z AT N27 W12. THIS REGION CONTINUES TO PRODUCE MODERATE RADIO EMISSION AT METRIC AND DEKAMETRIC WAVELENGTHS. ANOTHER IMPORTANCE ONE FLARE WAS REPORTED AT 1901Z FROM THE REGION AT N16 E06. THIS REGION CONTAINS A STABLE SPOT GROUP OF CLASS/AREA C/250. NO FLARE ACTIVITY HAS BEEN REPORTED FROM THE REGION AT N19E19 SINCE SDF605A. NO SIGNIFICANT ACTIVITY HAS BEEN OBSERVED IN ANY OF THE OTHER REGIONS.

B. THE REGIONS AT N27 W12 AND N19 E19 APPEAR CAPABLE OF MAJOR FLARE PRODUCTION.

C. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE THREE DAY PERIOD JULY 30-AUGUST 1 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 25/25/25

PROTON EVENTS 15/15/15

D. THE OTTAWA 10.7 CM FLUX TODAY IS 209. THE PREDICTED VALUES FOR JULY 30-AUGUST 1 ARE 204/202/200.

E. THE FREDERICKSBURG MAGNETIC A INDEX FOR YESTERDAY WAS 10. TODAY IT WILL BE ABOUT 9. THE PREDICTED VALUES FOR JULY 30-AUGUST 1 ARE 18-25/8-15/8-15.

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