

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SPACE DISTURBANCE FORECAST NUMBER 607C ISSUED AT 0500Z

AUG 1 1967

MAJOR FLARES ARE POSSIBLE DURING THE NEXT 12 HOURS.

BT

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLORADO  
SPACE DISTURBANCE FORECAST NUMBER 607D ISSUED AT 1100Z  
AUGUST 01 1967

MAJOR FLARES ARE POSSIBLE DURING THE NEXT 12 HOURS.

BT

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SPACE DISTURBANCE FORECAST NUMBER 608A ISSUED AT 1700Z

MAJOR FLARES ARE POSSIBLE DURING THE NEXT 12 HOURS

- A. ONLY IMPORTANCE ONE AND SMALLER FLARES HAVE BEEN REPORTED TODAY MOSTLY FROM THE REGION NEAR N27 W52. A PREVIOUSLY REPORTED IMPORTANCE ONE FLARE IN THIS REGION AT 31/2046Z WAS UPGRADED TO IMPORTANCE TWO FOLLOWING REVIEW OF THE FLARE FILMS. THE PLAGE AT N27 W52 IS STILL LARGE AND MODERATELY BRIGHT BUT IT APPEARS TO BE RELATIVELY QUIET. ITS SUNSPOT GROUP CONTINUES A SLOW DECLINE IN SIZE AND THE DELTA CONFIGURATION REPORTED YESTERDAY APPARENTLY NO LONGER EXISTS. ALL OTHER SPOT GROUPS ARE STABLE OR DECLINING AND ARE OF SIMPLE MAGNETIC CONFIGURATION.
- B. SEVERAL OF THE VISIBLE REGIONS ARE CAPABLE OF PRODUCING MAJOR FLARES ESPECIALLY THE REGION AT N27 W52. FLARE PRODUCTION HOWEVER HAS BEEN MOSTLY LIMITED TO SMALL FLARES. OCCASSIONAL MAJOR FLARES ARE STILL EXPECTED DROM THE N27 W52 REGION DURING THE THREE DAYS REMAINING IN THIS DISK PASSAGE. THE PROBABILITY FOR PROTONS HAS DECLINED DUE TO THE LOSS OF THE DELTA CONFIGURATION IN THE N27 W52 REGION.
- C. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE THREE DAY PERIOD AUGUST 2-4 ARE AS FOLLOWS /FIGURES ARE PERCENTAGES FOR EACH OF THE THREE DAYS/
- IMPORTANCE ONE OR GREATER 100/100/100
- IMPORTANCE TWO OR GREATER 70/65/55
- IMPORTANCE THREE OR GREATER 10/10/5
- PROTON EVENTS 10/10/10
- D. THE OTTAWA 10.7 CM FLUX TODAY IS ESTIMATED TO BE 172. THE PREDICTED VALUES FOR AUGUST 2-4 ARE 160/150/135

BT

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SPACE DISTURBANCE FORECAST NUMBER 608B ISSUED AT 2300Z

AUGUST 1, 1967

MAJOR FLARES ARE POSSIBLE DURING THE NEXT 12 HOURS

A. A WELL CONFIRMED IMPORTANCE TWO BRIGHT FLARE OCCURRED AT 1700Z IN THE REGION NOW NEAR N27W56. THE FLARE WAS ACCCOMPANIED BY MODERATELY STRONG IONOSPHERIC EFFECTS AND RADIO EMISSION. NO OTHER FLARES LARGER THAN IMPORTANCE ONE HAVE BEEN REPORTED TODAY. THE N27W56 SPOT GROUP CONTINUES TO DIMINISH IN AREA AND ALL OTHER REGIONS ARE STABLE OR DECLINING.

B. MAJOR FLARES ARE POSSIBLE FROM THE N27W56 REGION. PROTONS ARE NOT EXPECTED FROM THE 1730Z FLARE.

C. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE THREE DAY PERIOD AUGUST 2-4 ARE AS FOLLOWS /FIGURES ARE PERCENTAGES FOR EACH OF THE THREE DAYS/

IMPORTANCE ONE OR GREATER 100/100/100

IMPORTANCE TWO OR GREATER 65/60/50

IMPORTANCE THREE OR GREATER 10/10/5

PROTON EVENTS 10/10/10

D. THE OTTAWA 10.7 CM FLUX TODAY IS 170. THE PREDICTED VALUES FOR AUGUST 2-4 ARE 160/150/135.

E. THE FREDERICKSBURG MAGNETIC A INDEX FOR YESTERDAY WAS 2. TODAY IT WILL BE ABOUT 3. THE PREDICTED AP RANGES FOR AUGUST 2-4 ARE 10, 8-15, 25-40

BT