

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO  
SPACE DISTURBANCE FORECAST NUMBER 6060 ISSUED AT 0500Z  
JULY 31 1967

MAJOR FLARES ARE POSSIBLE DURING THE NEXT 12 HOURS.

BT

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SPACE DISTURBANCE FORECAST NUMBER 606D ISSUED AT 1100Z

JULY 31 1967

MAJOR FLARES ARE POSSIBLE DURING THE NEXT 12 HOURS.

AN IMPORTANCE TWO BRIGHT FLARE OCCURRED AT 31/0812Z TWO DEGREES WEST OF THE LARGE F-TYPE SPOT GROUP NOW AT N27 W37. THE FLARE HAD LITTLE OR NO SPOT COVERAGE AND WAS ACCOMPANIED BY ONLY A MODERATE 10 CM RADIO NOISE BURST. IT IS NOT EXPECTED TO BE A PROTON FLARE.

BT

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SPACE DISTURBANCE FORECAST NUMBER 607A ISSUED AT 1700Z

JULY 31 1967

MAJOR FLARES ARE POSSIBLE DURING THE NEXT 12 HOURS

A. PRIOR TO 1300Z TODAY THREE FLARES WERE REPORTED AS IMPORTANCE TWO. THE REGION NEAR N27 W41 PRODUCED TWO OF THEM AT 0807 AND 1224Z AND ONE OCCURRED AT 1113Z IN THE REGION NEAR S21 E30. IN EACH CASE ONE OR MORE OTHER OBSERVATORIES REPORTED THE FLARES TO BE SMALLER THAN IMPORTANCE TWO AND ONLY THE 0807Z FLARE APPEARS TO BE A VALID IMPORTANCE TWO. THE SPOT GROUP NEAR N27 W41 CONTINUES TO DECLINE IN AREA BUT IS STILL LARGE F/1100 AND TODAY IT REPORTEDLY CONTAINS A MAGNETIC DELTA CONFIGURATION. THE PLAGE THERE IS STILL LARGE AND BRIGHT. A POSSIBLE DELTA CONFIGURATION HAS ALSO BEEN REPORTED IN THE SPOT GROUP NEAR N15 W24. THE REGION NEAR S21 E30 IS RELATIVELY BRIGHT BUT IT CONTAINS A TINY SPOT GROUP. SMALL FLARES HAVE BEEN OCCURRING IN A REGION NEAR N14 E15. THE PLAGE THERE IS RELATIVELY LARGE AND BRIGHT AND THE SPOT GROUP IS CLASS/AREA D/150.

C. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE THREE DAY PERIOD AUGUST 1-3 ARE AS FOLLOWS /FIGURES ARE PERCENTAGES FOR EACH OF THE THREE DAYS/  
IMPORTANCE ONE OR GREATER 100/100/100  
IMPORTANCE TWO OR GREATER 75/75/70  
IMPORTANCE THREE OR GREATER 15/15/15  
PROTON EVENTS 20/20/20

D. THE OTTAWA 12.7 CM FLUX TODAY IS ESTIMATED TO BE 185.  
THE PREDICTED VALUES FOR AUGUST 1-3 ARE 180/170/150

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SPACE DISTURBANCE FORECAST NUMBER 607B ISSUED AT 2300Z

JULY 31 1967

MAJOR FLARES ARE POSSIBLE DURING THE NEXT 12 HOURS:

A. ADDITIONAL IMPORTANCE ONE FLARES HAVE BEEN REPORTED FROM THE REGIONS NEAR N27W45 AND N15W28. AT LAST OBSERVATION THE DELTA CONFIGURATION IN THE N27W45 SPOT GROUP APPEARED TO BE STRENGTHENING ALTHOUGH NO FURTHER DEFINITIVE REPORTS HAVE BEEN RECEIVED. NO SIGNIFICANT CHANGES HAVE BEEN REPORTED IN ANY OF THE OTHER VISIBLE REGIONS.

B. MAJOR FLARES ARE POSSIBLE FROM THE REGIONS NEAR N27W45 AND N15W28. DELTA CONFIGURATIONS IN THESE REGIONS INCREASE THE PROBABILITY OF PROTONS.

C. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE THREE DAY PERIOD AUG 1-3 ARE AS FOLLOWS/FIGURES ARE PERCENTAGES FOR EACH OF THE THREE DAYS/

IMPORTANCE ONE OR GREATER 100/100/100

IMPORTANCE TWO OR GREATER 75/75/70

IMPORTANCE THREE OR GREATER 15/15/15

PROTON EVENTS 20/20/20

D. THE OTTAWA 10.7 CM FLUX TODAY IS 183. THE PREDICTED VALUES FOR AUG 1-3 ARE 180/170/150

E. THE FREDERICKSBURG MAGNETIC A INDEX FOR YESTERDAY WAS 11. TODAY IT WILL BE ABOUT 2. THE PREDICTED AP RANGES FOR AUG 1-3 ARE ALL UNDER 10.

BT