

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO  
SPACE DISTURBANCE FORECAST NUMBER 546C ISSUED AT 0500Z  
JUNE 1, 1967.

MAJOR FLARES ARE POSSIBLE DURING THE NEXT 12 HOURS.

BT

NNNNUUUV

PP KGFF

DE BOU 011100Z

THIS IS THE MSG FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SPACE DISTURBANCE FORECAST NUMBER 546D ISSUED AT 1100Z

JUNE 01 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 547A ISSUED AT 1700Z

JUNE 1 1967

MAJOR FLARES POSSIBLE BUT NOT LIKELY DURING NEXT 12 HOURS.

A. SOLAR FLARE ACTIVITY CONTINUES AT A RELATIVELY LOW LEVEL WITH NO FLARES LARGER THAN IMPORTANCE ONE REPORTED. IMPORTANCE ONE FLARES WERE REPORTED AT 1156 AND ABOUT 1448Z FROM THE REGION NOW NEAR N23 E30 AND AT 1144Z FROM ABOUT S18 W07. THE REGION NEAR N23 E30 CONTAINS A MAGNETICALLY COMPLEX SPOT GROUP WHICH HAS APPARENTLY GROWN OVER THE PAST 24 HOURS. SURGES AND POSSIBLE LOOP PROMINENCES HAVE BEEN REPORTED FROM THE NORTHWEST LIMB WHERE THE MAJOR FLARE PRODUCING REGION IS COMPLETING WEST LIMB PASSAGE.

B. MAJOR FLARES ARE POSSIBLE. CHARACTERISTICS OF THE N23 E30 REGION INDICATE IT TO BE A POTENTIAL SOURCE OF MAJOR FLARES AND THE FREQUENCY OF ITS PRODUCTION OF LESSER FLARES APPEARS TO BE INCREASING. THE NORTHWEST LIMB REGION IS NO LONGER CONSIDERED LIKELY TO PRODUCE MAJOR ACTIVITY.

C. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE THREE DAY PERIOD JUNE 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 30/25/25  
IMPORTANCE THREE OR GREATER 10/10/10  
PROTON EVENTS 5/5/5

D. THE OTTAWA 10.7 CM FLUX TODAY IS ESTIMATED TO BE 170. THE PREDICTED VALUES FOR JUNE 2-4 ARE 165/160/155

BT

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SPACE DISTURBANCE FORECAST NUMBER 547B ISSUED AT 2300Z

JUNE 1 1967

MAJOR FLARES POSSIBLE DURING NEXT 12 HOURS

A. THE REGION NEAR N23 E26 CONTINUES TO PRODUCE MINOR FLARES. SPOT STRUCTURE WITHIN THE REGION HAS INCREASED IN COMPLEXITY DURING THE PAST 24 HOURS AND THERE IS A MAGNETIC BETA GAMMA CONFIGURATION AT THE EASTERN END. THE PLAGE THERE APPEARS TO BE GROWING AND THE REGION IS A STRONG SOURCE OF RADIO EMISSION.

B. MAJOR FLARES ARE LIKELY WITHIN THE REGION AT N23 E26 IF IT CONTINUES ITS PRESENT DEVELOPMENT. OTHER VISIBLE REGIONS DO NOT APPEAR TO BE PROBABLE SOURCED OF MAJOR ACTIVITY.

C. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE THREE DAY PERIOD JUNE 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 30/30/30

IMPORTANCE THREE OR GREATER 10/10/10

PROTON EVENTS 10/10/10

D. THE OTTAWA 10.7 CM FLUX TODAY IS 170. THE PREDICTED VALUES FOR JUNE 2-4 ARE 165/160/160

E. THE FREDERICKSBURG MAGNETIC A INDEX FOR YESTERDAY WAS 34. TODAY IT WILL BE ABOUT 3. THE PREDICTED RANGES FOR JUNE 2-4 ARE 3-7/3-7/3-7

BT