

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SPACE DISTURBANCE FORECAST NUMBER 608C ISSUED AT 0500Z

AUGUST 2, 1967

MAJOR FLARES ARE POSSIBLE DURING THE NEXT 12 HOURS

BT

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO
SPACE DISTURBANCE FORECAST NUMBER 608D ISSUED AT 1100Z
AUGUST 02 1967

MAJOR FLARES ARE POSSIBLE DURING THE NEXT 12 HOURS.

BT

AUGUST 2 1967

MAJOR FLARES ARE POSSIBLE DURING THE NEXT 12 HOURS.

A. A FLARE VARIOUSLY REPORTED AS IMPORTANCE TWO AND ONE OCCURRED AT 02/0044Z IN THE REGION NOW NEAR N27 W65. MODERATE IONOSPHERIC EFFECTS WERE REPORTED ACCOMPANYING THIS FLARE.

THE SPOT GROUP IN THE N27 W65 REGION CONTINUES ITS SLOW DECLINE IN AREA HOWEVER THE HYDROGEN PLAGE IS STILL KARGE AND MODERATELY BRIGHT AND HAS THE APPEARANCE OF BEING ACTIVE. NO SGNIFICANT CHANGES OR ACTIVITY HAVE BEEN REPORTED IN THE OTHER VISIBLE REGIONS. A MINOR FLUX OF PROTONS MAY HAVE BEEN DETECTED BY SPACECRAFT YESTERDAY HOWEVER THIS HAS NOT BEEN CONFIRMED BY OTHER SPACECRAFT OR BY GROUND BASED OBSERVATIONS.

B. ADDITIONAL MAJOR FLARES ARE EXPECTED FROM THE N27 W65 REGION DURING THE REMAINING TWO DAYS OF ITS DISK PASSAGE. SOME OF THE OTHER VISIBLE REGIONS APPEAR CAPABLE OF MAJOR FLARES BUT THEIR FLARE HISTORIES INDICATED THAT MAJOR ACTIVITY IS UNLIKELY.

C. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE THREE DAY PERIOD JAUGUST 3-5 ARE AS FOLLOWS /FIGURES ARE PERCENTAGES FOR EACH OF THE THREE DAYS/

IMPORTANCE ONE OR GREATER 100/100/100

IMPORTANCE TWO OR GREATER 60/50/25

IMPORTANCE THREE OR GREATER 10/5/2

PROTON EVENTS 10/10/10

D. THE OTTAWA 10.7 CM FLUX TODY IS ESTIMATED TO BE 158. THE PEEDICTED VALUES FOR AUGUST 3-5 ARE 145/130/115

UNCLAS FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO
SPACE DISTURBANCE FORECAST NUMBER 609B ISSUED AT 2300Z

AUGUST 2, 1967

MAJOR FLARES ARE POSSIBLE DURING THE NEXT 12 HOURS

- A. NO ADDITIONAL FLARES AS LARGE AS IMPORTANCE TWO HAVE BEEN REPORTED SINCE THE FLARE AT 02/0044Z. SEVERAL SMALL FLARES WERE REPORTED FROM THE N27W69 REGION AS WELL AS THE OTHER VISIBLE REGIONS. THERE IS SOME EVIDENCE THAT ACTIVITY IS INCREASING IN THE EASTERN PORTION OF THE N27W69 REGION, ALTHOUGH IN GENERAL THE SPOT GROUP THERE CONTINUES TO DECLINE. NO SIGNIFICANT CHANGES HAVE BEEN REPORTED IN ANY OF THE VISIBLE SPOT GROUPS. A PLAGE REGION NEAR N23E46 POSSESSES A FILAMENT WHICH HAS BEEN MODERATELY ACTIVE TODAY. NO SPOTS ARE VISIBLE IN THE REGION AND THE PLAGE IS NOT PARTICULARLY LARGE OR BRIGHT BUT THERE IS SOME EVIDENCE THAT ACTIVITY MAY DEVELOP THERE.
- B. MAJOR FLARES ARE STILL POSSIBLE FROM THE N27W69 REGION DURING THE REMAINING 48 HOURS BEFORE THE REGION COMPLETES WEST LIMB PASSAGE. SOME OF THE OTHER REGIONS IN THE NORTHWEST QUADRANT SEEM CAPABLE OF PRODUCING FLARES AS LARGE AS CLASS TWO.
- C. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE THREE DAY PERIOD AUGUST 3-5 ARE AS FOLLOWS/FIGURES ARE PERCENTAGES FOR EACH OF THE THREE DAYS/
IMPORTANCE ONE OR GREATER 100/100/100
IMPORTANCE TWO OR GREATER 60/50/25
IMPORTANCE THREE OR GREATER 10/5/2
PROTON EVENTS 5/5/5
- D. THE OTTAWA 10.7 CM FLUX TODAY IS 162. THE PREDICTED VALUES FOR AUGUST 3-5 ARE 145/130/115
- E. THE FREDERICKSBURG MAGNETIC A INDEX FOR YESTERDAY WAS 3. TODAY IT WILL BE ABOUT 2. THE PREDICTED AP RANGES FOR AUGUST 3-5 ARE 8/15, 25/40, 8/15.

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