

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO VIA AGIWARN
TRIAL SPACE DISTURBANCE FORECAST NUMBER 285 SEPTEMBER 12 1966

A. A MAJOR ACTIVE REGION HAS APPEARED AT EAST LIMB OF THE
SUN AND MAY BECOME A SOURCE OF HIGH ENERGY PROTON EMISSION.
A LIMB FLARE WAS REPORTED TODAY AT ABOUT 0925Z OF POSSIBLE
IMPORTANCE TWO AND ACCOMPANIED BY FULL FREQUENCY RANGE
RADIO EMISSION CMMA STRONG X-RAY EMISSION CMMA AND STRONG
IONOSPHERIC DISTURBANCES. BRIGHT WELL-FORMED LOOP PROMINENCES
FORMED AT THE FLARE POSITION AND WERE STILL PRESENT AT
2000Z ALTHOUGH DIMINISHING. A BRIGHT MOUND WITH FREQUENT
SURGES IS VISIBLE AT THE BASE OF THE LOOPS. LOOPS AND TYPE
FOUR RADIO EMISSION ARE HIGHLY CORRELATED WITH PROTON
EMISSION BUT THERE IS ALSO A TENDENCY FOR EAST LIMB FLARES
TO PRODUCE LESS PROTONS THAN WEST LIMB. THE FIVE SUNSPOT
GROUPS NOW VISIBLE ON THE DISK ARE SMALL AND INACTIVE.

B. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE
THREE DAY PERIOD SEPTEMBER 13-15 ARE AS FOLLOWS/FIGURES
ARE PERCENTAGES FOR EACH OF THE THREE DAYS/

IMPORTANCE ONE FLARES 100/100/100

IMPORTANCE TWO FLARES 70/80/90

IMPORTANCE THREE FLARES 40/50/50

IMPORTANCE FOUR FLARES 10/15/20

PROTON EVENTS 40/50/50

C. THE OTTAWA 10.7 CM FLUX TODAY WAS 102. PREDICTED VALUES
FOR THE PERIOD SEPTEMBER 13-15 ARE ^{10 3 4 6}108/114/118

D. THE FREDERICKSBURG MAGNETIC A INDEX YESTERDAY WAS 07.
TODAY IT WILL BE ABOUT 03. PREDICTED VALUES FOR THE PERIOD
SEPTEMBER 13-15 ARE ^{4 5 6}5/6/10.

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