

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 ACCCOMPANIED 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 ^{103 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 5/6/10.

48/6

BT