

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO VIA AGIWARN  
SPACE DISTURBANCE FORECAST NUMBER 317 OCTOBER 14 1966

A. MAJOR FLARE ACTIVITY IS BECOMING MORE LIKELY. A FLARE WHICH HAS BEEN REPORTED AS BOTH CLASS ONE AND CLASS TWO OCCURRED AT 1250Z TODAY AT N20 E41. THE SUNSPOT GROUP AT THIS LOCATION HAS INCREASED CONSIDERABLY IN COMPLEXITY AND HAS DOUBLED IN AREA SINCE YESTERDAY. IT HAS ALSO INCREASED APPRECIABLY IN EMISSION AT 9.1 CM. THE SPOT GROUP AT N07 E27 CONTINUES TO BE VERY STABLE. IT PRODUCED A CLASS ONE FLARE AT 1150Z TODAY. FOUR OTHER GROUPS ARE VERY SMALL AND INACTIVE. A REGION IS EXPECTED TO RETURN TO NE LIMB ON 17 OCTOBER.

B. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE THREE DAY PERIOD OCTOBER 15-17 ARE AS FOLLOWS /FIGURES ARE PERCENTAGES FOR EACH OF THE THREE DAYS/

IM. IMPORTANCE ONE OR GREATER FLARES 100/100/100

IMPORTANCE TWO OR GREATER FLARES 40/50/50

IMPORTANCE THREE OR GREATER FLARES 10/15/20

PROTON EVENTS 15/20/25

C. THE OTTAWA 10.7 CM FLUX TODAY WAS 119. THE PREDICTED VALUES FOR THE THREE DAY PERIOD OCTOBER 15-17 ARE 122/124/126

D. THE FREDERICKSBURG MAGNETIC A INDEX YESTERDAY WAS <sup>3</sup> 7. TODAY IT WILL BE ABOUT 3. THE PREDICTED VALUES FOR THE THREE DAY PERIOD OCTOBER 15-17 ARE 11/11/11

13-11-7