

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO VIA AGIWARN
TRIAL SPACE DISTURBANCE FORECAST NUMBER 289 SEPTEMBER 16 1966

A. MAJOR FLARES ARE EMINENT. A NEW SUNSPOT GROUP IS GROWING RAPIDLY AT N21 E64 AND ITS ASSOCIATED PLAGE IS BRILLIANT AND IS PRODUCING NUMEROUS SMALL FLARES. THE MAJOR SPOT IN THE GROUP AT N07 337 REMAINS VERY LARGE AND EXCEPTIONALLY BLACK. THE MAGNETIC POLARITIES IN THE COMPANION SPOTS HAVE AN UNORTHODOX ARRANGEMENT. A CLASS TWO FLARE OCCURRED IN THIS REGION AT 0137Z AND SEVERAL IMPORTANCE ONE FLARES HAVE OCCURRED SINCE THEN. THE SPOTS AT N22 W59 CONTINUE A SLOW GROWTH. 10.7 CM RADIO FLUX HAS RISEN DRAMATICALLY. THE REGION WHICH PRODUCED THE PROTON FLARE OF 2 SEPTEMBER IS DUE TO RETURN AT NE LIMB ON 18 SEPTEMBER .

B. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE THREE DAY PERIOD SEPTEMBER 17-19 ARE AS FOLLOWS /FIGURES ARE PERCENTAGES FOR EACH OF THE THREE DAYS/
IMPORTANCE ONE FLARES ^{17 18 19} 100/100/100
IMPORTANCE TWO FLARES 90/90/90
IMPORTANCE THREE FLARES 50/50/50
IMPORTANCE FOUR FLARES 10/10/10
PROTON EVENTS 30/40/50

C. THE OTTAWA 10.7 CM FLUX TODAY WAS 127. THE PREDICTED VALUES FOR THE THREE DAY PERIOD SEPTEMBER 17-19 ARE 133/138/142

D. THE FREDERICKSBURG MAGNETIC A INDEX YESTERDAY WAS 19. TODAY IT WILL BE ABOUT 6 THE PREDICTED VALUES FOR THE THREE DAY PERIOD SEPTEMBER 17-19 ARE 6/6/18