

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