

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO VIA AGIWARN
TRIAL SPACE DISTURBANCE FORECAST NUMBER 293 SEPTEMBER 20 1966

A. THE SUNSPOT GROUPS AT N07 W12 AND N21 E12 BOTH CONTINUE
TO CHANGE IN STRUCTURE ALTHOUGH THEIR AREAS ARE ABOUT
THE SAME AS YESTERDAY. SIGNIFICANT FLARES HAVE OCCURRED IN
THESE REGIONS TODAY. CLASS THREE AT ABOUT 1713Z CONTINUING
PAST 2000Z AND CLASS TWO AT 0255 CMMA 0825 CMMA AND 1045Z.
THESE REGIONS REMAIN LARGE AND COMPLEX AND FURTHER MAJOR
FLARE ACTIVITY CAN BE EXPECTED. VERY BRIGHT FACULAE
EXISTS NEAR THE NORTHEAST LIMB BUT NO SPOTS ARE YET VISIBLE.

B. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE THREE
DAY PERIOD SEPTEMBER 21-23 ARE AS FOLLOWS /FIGURES ARE PERCENTAGES
FOR EACH OF THE THREE DAYS/

IMPORTANCE ONE FLARES 100/100/100

IMPORTANCE TWO FLARES 90/90/90

IMPORTANCE THREE FLARES 50/50/50

IMPORTANCE FOUR FLARES 10/10/10

PROTON EVENTS 40/40/40

142
~~174~~

C. THE OTTAWA 10.7 CM FLUX TODAY WAS 155. THE PREDICTED VALUES
FOR THE THREE DAY PERIOD SEPTEMBER 21-23 ARE 138/139/140

D. THE FREDERICKSBURG MAGNETIC A INDEX YESTERDAY WAS 15. TODAY
IT WILL BE ABOUT 13. THE PREDICTED VALUES FOR THE THREE DAY
PERIOD SEPTEMBER 21-23 ARE 8/5/4