

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO VIA AGIWARN  
TRIAL SPACE DISTURBANCE FORECAST NUMBER 291 SEPTEMBER 18 1966

A. THE TWO LARGE SUNSPOT GROUPS CMMA NOW AT N07E13 AND N22E40  
CMMA CONTINUE TO GROW AND ARE STILL CAPABLE OF PRODUCING MAJOR  
FLARES. NUMEROUS SUBFLARES HAVE OCCURRED CMMA AND A CLASS ONE  
FLARE AT 1453Z PRODUCED STRONG X RAY AND RADIO WAVELENGTH  
EMMISSION. THE SPOT GROUP AT N22E40 CONTAINS A MAGNETIC DELTA  
CONFIGURATION CMMA AND A DELTA CONFIGURATION IN THE GROUP AT N07E13  
HAS BEEN INFERRED FROM WHITE LIGHT OBSERVATIONS. A PLAGE IS VISIBLE  
AT THE NORTH EAST LIMB TODAY NEAR THE LOCATION OF THE PROTON REGION  
OF LAST ROTATION CMMA HOWEVER NO SUNSPOTS ARE YET VISIBLE. CORONAL  
EMISSION CONTINUES TO BE BRIGHT OVER THE NORTH EAST LIMB.

B. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE THREE  
DAY PERIOD SEPTEMBER 19 221 ARE AS FOLLOWS /FIGURES ARE PERCENTAGES  
FOR EACH OF THE THREE DAYS/

IMPORTANCE ON E FLARES 100/100/100

IMPORTANCE TWO FLARES 90/90/90

IMPORTANCE THREE FLARES 50/50/50

IMPORTANCE FOUR FLARES 10/10/10

PROTON EVENTS 40/40/50

C. THE OTTAWA 10.7 CM FLUX TODAY WAS 141. THE PREDICTED VALUES  
FOR THE THREE DAY PERIOD SEPTEMBER 19/21 ARE 144/147/149.

D. THE FREDERICKSBURG MAGNETIC A INDEX YESTERDAY WAS 7. TODAY  
IF WILL BE ABOUT 6. THE PRECDICTED VALUES FOR THE THREE DAY  
PERIOD SEPTEMBER 19/21 ARE 18/16/7