

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 EMISSION. 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 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 40/40/50

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