

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SPACE DISTURBANCE FORECAST NUMBER 497A ISSUED AT 1700Z

APRIL 12 1967

A. IMPORTANCE ONE FLARES WERE REPORTED TODAY FROM THE REGIONS NEAR S21W80 AND N23W36. THE SOUTHWEST REGION IS NOW TRAVERSING WEST LIMB. POSSIBLE CORONAL ACTIVITY IS OBSERVED TODAY ON THE EAST LIMB AT ABOUT N20-25. IT APPEARS TO BE ASSOCIATED WITH A REGION NOW VISIBLE NEAR THERE HAVING A FAINT PLAGE AND MINOR 9.1 CM EMISSION. NO SIGNIFICANT CHANGES HAVE BEEN OBSERVED IN ANY OF THE REMAINING REGIONS.

B. IMPORTANCE TWO FLARES ARE POSSIBLE FROM THE REGION AT S21W80 UNTIL WEST LIMB PASSAGE IS COMPLETED. MINOR FLARE ACTIVITY IS LIKELY FROM THE REGIONS AT N23W36 AND N24E80.

C. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE THREE DAY PERIOD VAPRIL 13-15 ARE AS FOLLOWS /FIGURES ARE PERCENTAGES FOR EACH OF THE THREE DAYS/

IMPORTANCE ONE OR GREATER 95/95/95

IMPORTANCE TWO OR GREATER 5/5/5

IMPORTANCE THREE OR GREATER 0/0/0

PROTON EVENTS 0/0/0

D. THE OTTAWA 10.7 CM FLUX TODAY IS ESTIMATED TO BE 129. THE PREDICTED VALUES FOR APRIL 13-15 ARE 126/125/125

E. THE MAGNETIC INFORMATION WILL BE INCLUDED ON THE 2300Z FORECAST.

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SPACE DISTURBANCE FORECAST NUMBER 497B ISSUED AT 2300Z  
APRIL 12 1967

A. ONLY SUBFLARES HAVE BEEN REPORTED SINCE 1700Z TODAY.  
NO SIGNIFICANT CHANGES HAVE BEEN OBSERVED IN ANY OF THE  
VISIBLE REGIONS.

B. MAJOR FLARE ACTIVITY IS POSSIBLE BUT UNLIKELY FROM  
THE REGION NEAR S21 W84. THIS REGION WILL COMPLETE  
WEST LIMB PASSAGE ON THE 13TH. IMPORTANCE ONE AND  
SUBFLARES ARE LIKELY FROM THE REGIONS NEAR N23 W40  
AND N24 E76. SOLAR ACTIVITY SHOULD INCREASE ON THE 15TH  
WITH THE RETURN OF REGIONS TO BOTH THE NORTHEAST AND  
SOUTHEAST LIMBS. THESE REGIONS WERE MODERATELY LARGE  
AND ACTIVE AT WEST LIMB PASSAGE.

C. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE  
THREE DAY PERIOD APRIL 13-15 ARE AS FOLLOWS /FIGURES ARE  
PERCENTAGES FOR EACH OF THE THREE DAYS/

IMPORTANCE ONE OR GREATER 95/90/100

IMPORTANCE TWO OR GREATER 10/5/15

IMPORTANCE THREE OR GREATER 0/0/2

PROTON EVENTS 0/0/1

D. THE OTTAWA 10.7 CM FLUX TODAY IS 125. THE PREDICTED  
VALUES FOR APRIL 13-14 ARE 122/125/133

E. THE FREDERICKSBURG MAGNETIC A INDEX FOR YESTERDAY WAS 2.  
TODAY IT WILL BE ABOUT 3. THE PREDICTED AP VALUES FOR  
APRIL 13-15 ARE 4/6/6

BT