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FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SPACE DISTURBANCE FORECAST NUMBER 500A ISSUED AT 1700Z

APRIL 15 1967

A. SOLAR ACTIVITY IS LOW WITH NO SIGNIFICANT FLARE ACTIVITY REPORTED TODAY. SMALL SURGES HAVE BEEN REPORTED AT WEST LIMB WITH REGIONS AT N22 AND S35. SLOW GROWTH CONTINUES IN THE SMALL REGION NOW AT N13 W73. ALL OTHER VISIBLE REGIONS ARE APPARENTLY DECAYING AND INACTIVE. THERE IS NO EVIDENCE YET OF REGIONS EXPECTED AT EAST LIMB DURING THE NEXT TWO DAYS. SACRAMENTO PEAK FILM REVIEW HAS UPGRADED FLARES REPORTED YESTERDAY AS FOLLOWS: IMPORTANCE 2 N24 W70 AT 1705Z CMMA IMPORTANCE 1 N22 W67 AT 2123Z AND IMPORTANCE 1 N22 W67 AT 2236Z.

B. SMALL SURGE ACTIVITY IS EXPECTED FROM WEST LIMB PASSAGE OF REGIONS AT N22 AND N13 DURING THE NEXT TWO DAYS. THE LEADING PORTION OF A LARGE REGION IS EXPECTED TO APPEAR AT NE LIMB AT ABOUT 16.0 APRIL. A SMALLER REGION IS DUE TO APPEAR AT SE LIMB LATER THE SAME DAY. FLARE ACTIVITY MAY INCREASE WHEN THESE REGIONS BECOME VISIBLE.

C. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE THREE DAY PERIOD APRIL 16-18 ARE AS FOLLOWS /FIGURES ARE PERCENTAGES FOR EACH OF THE THREE DAYS/  
IMPORTANCE ONE OR GREATER 100/100/100  
IMPORTANCE TWO OR GREATER 10/20/20  
IMPORTANCE THREE OR GREATER 1/2/2  
PROTON EVENTS 1/1/1

D. THE OTTAWA 10.7 CM FLUX TODAY IS ESTIMATED TO BE 122.  
THE PREDICTED VALUES FOR APRIL 16-18 ARE 127/134/142

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

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FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO  
SPACE DISTURBANCE FORECAST NUMBER 500B ISSUED AT 2300Z  
APRIL 15 1967

- A. THE ONLY SIGNIFICANT SOLAR EVENT REPORTED SINCE 1700Z IS A LARGE SUBFLARE AT 1807Z NEAR A J-TYPE SUNSPOT AT N25 E44. A TINY NEW REGION APPEARED ON THE DISK AT ABOUT S16 E28 DURING THE PAST FEW HOURS. A LARGE AREA OF MODERATELY BRIGHT GREEN CORONA IS OBSERVED AT NE LIMB.
- B. SOLAR ACTIVITY IS EXPECTED TO INCREASE WITH THE APPEARANCE OF REGIONS AT NE AND SE LIMB DURING THE NEXT TWO DAYS. SOME MINOR DEVELOPMENT OF REGIONS ON THE DISK IS POSSIBLE. NO MAJOR FLARES ARE EXPECTED FROM REGIONS NOW VISIBLE. IT IS LIKELY THAT THE RETURNING REGIONS WILL ALSO LACK MAJOR FLARE POTENTIAL.
- C. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE THREE DAY PERIOD APRIL 16-18 ARE AS FOLLOWS /FIGURES ARE PERCENTAGES FOR EACH OF THE THREE DAYS/  
IMPORTANCE ONE OR GREATER 100/100/100  
IMPORTANCE TWO OR GREATER 10/20/20  
IMPORTANCE THREE OR GREATER 1/2/2  
PROTON EVENTS 2/2/2
- D. THE OTTAWA 10.7 CM FLUX TODAY IS 123. THE PREDICTED VALUES FOR APRIL 16-18 ARE 127/134/142.
- E. THE FREDERICKSBURG MAGNETIC A INDEX FOR YESTERDAY WAS 2. TODAY IT WILL BE ABOUT 3. THE PREDICTED AP VALUES FOR APRIL 16-18 ARE 6/10/10.

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