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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.

BT

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
E23 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 APPEAR-
ANCE 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.

BT