

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO
SPACE DISTURBANCE FORECAST NUMBER 506A ISSUED AT 1700Z
APRIL 21 1967

A. AN IMPORTANCE TWO BRIGHT SURGE ON THE NORTHEAST LIMB
WAS REPORTED AT 1335Z TODAY BY SACRAMENTO PEAK. NO
FLARES HAVE BEEN REPORTED AS YET. HOWEVER THE
OTTAWA 10 CM FLUX INCREASED SHARPLY FROM 128 YESTERDAY
TO A REPORTED 155 AT 1400Z TODAY. THIS INCREASE MAY BE
SOMEWHAT EXAGGERATED DUE TO THE SURGE ACTIVITY AT ABOUT
OBSERVATION TIME. HOWEVER THE SUNSPOT NUMBER HAS
INCREASED SHARPLY ALSO. THE GROUPS IN THE SW AND SE
SHOW SOME INCREASE IN SIZE. A NEW GROUP HAS APPEARED AT
S45 E14. A NEW SPOT GROUP HAS APPEARED AT NE LIMB
IN BRIGHT FACULAE. ALTHOUGH SMALL THIS GROUP HAS THE
APPEARANCE OF A DEVELOPING GROUP.

B. THE PROBABILITY OF MAJOR FLARES SHOULD INCREASE WITHIN
THE NEXT FEW DAYS.

C. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE
THREE DAY PERIOD APRIL 22-24 ARE AS FOLLOWS /FIGURES ARE
PERCENTAGES FOR EACH OF THE THREE DAYS/

IMPORTANCE ONE OR GREATER 95/100/100

IMPORTANCE TWO OR GREATER 10/15/20

IMPORTANCE THREE OR GREATER 1/1/1

PROTON EVENTS 1/1/1

D. THE OTTAWA 10.7 CM FLUX TODAY IS ESTIMATED TO BE 140.
THE PREDICTED VALUES FOR APRIL 22-24 ARE 150/155/160

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

BT

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO
SPACE DISTURBANCE FORECAST NUMBER 506B ISSUED AT 2300Z
APRIL 21 1967

A. NO SIGNIFICANT FLARES HAVE BEEN REPORTED TODAY.
SEVERAL MODERATE TO SMALL SURGES WERE OBSERVED ON THE
NORTHEAST LIMB ASSOCIATED WITH THE REGION APPEARING
AT ABOUT N27. THIS REGION MAY ALSO BE THE SOURCE
OF ENHANCED GREEN CORONA OBSERVED TODAY. NO CHANGES
OF SIGNIFICANCES HAVE BEEN REPORTED IN ANY OF THE
VISIBLE REGIONS. AT 1700Z THE OTTAWA 10 CM RADIO
NOISE FLUX WAS REPORTED AT A LEVEL MORE CONSISTENT
WITH OTHER OBSERVATIONS.

B. THE PROBABILITY FOR MAJOR FLARES REMAINS LOW BUT
GRADUALLY INCREASING.

C. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE
THREE DAY PERIOD APRIL 22-24 ARE AS FOLLOWS /FIGURES ARE
PERCENTAGES FOR EACH OF THE THREE DAYS/

IMPORTANCE ONE OR GREATER 95/100/100

IMPORTANCE TWO OR GREATER 10/15/20

IMPORTANCE THREE OR GREATER 1/1/1

PROTON EVENTS 1/1/1

D. THE OTTAWA 10.7 CM FLUX TODAY IS 133. THE PREDICTED
VALUES FOR APRIL 22-24 ARE 140/145/148

E. THE FREDERICKSBURG MAGNETIC A INDEX FOR YESTERDAY WAS 7.
TODAY IT WILL BE ABOUT 6. THE PREDICTED AP VALUES FOR
APRIL 22-24 ARE 5/4/4

BT