

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SPACE DISTURBANCE FORECAST NUMBER 511A ISSUED AT 1700Z

APRIL 26 1967

A. FLARE ACTIVITY HAS BEEN LIMITED TO SUBFLARES SINCE THE IMPORTANCE ONE FLARE EARLY YESTERDAY. THESE SMALL EVENTS HAVE BEEN CONCENTRATED IN A SMALL DEVELOPING REGION NOW NEAR N26E16. THE SPOT GROUP THERE IS A SMALL TYPE D WITH AN AREA NEAR 100 MILLIONTHS. SMALL FAINT PLAGES ARE VISIBLE AT BOTH NE AND SE LIMBS. ALL OTHER REGIONS VISIBLE ARE ALSO SMALL AND RELATIVELY INACTIVE.

B. SOLAR ACTIVITY MAY INCREASE SLOWLY AS A SERIES OF REGIONS RETURN AT SE LIMB AND A PAIR OF REGIONS RETURN AT NE LIMB BY 29 APRIL. NO MAJOR FLARES ARE ANTICIPATED.

C. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE THREE DAY PERIOD APRIL 27-29 ARE AS FOLLOWS/FIGURES ARE PERCENTAGES FOR EACH OF THE THREE DAYS/

IMPORTANCE ONE OR GREATER 90/95/100

IMPORTANCE TWO OR GREATER 5/5/5

IMPORTANCE THREE OR GREATER 0/1/1

PROTON EVENTS 1/1/1

D. THE OTTAWA 10.7 CM FLUX TODAY IS ESTIMATED TO BE 128.

THE PREDICTED VALUES FOR APRIL 27-29 ARE 132/135/140

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

BT

PP KGFF

DE BOU 262300Z

THIS IS THE MESSAGE FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO
SPACE DISTURBANCE FORECAST NUMBER 511B ISSUED AT 2300Z

APRIL 26 1967

A. AN EVENT IDENTIFIED AS A LARGE SUBFLARE AT 2122Z
NEAR S20 E LIMB WAS ACCCOMPANIED BY MODERATELY STRONG
IONOSPHERIC AND RADIO EMISSION EFFECTS. X-RAYS WERE
ALSO OBSERVED BY SATELLITE WITH THE FLARE. THIS IS
THE FIRST REAL INDICATION THAT THE RETURNING REGION
MAY BE ACTIVE. NOTHING SIGNIFICANT HAS BEEN REPORTED
IN ANY OF THE OTHER VISIBLE REGIONS.

B. MAJOR FLARE ACTIVITY IS NOT YET ANTICIPATED. AN
EVALUATION OF THE SOUTHEAST LIMB REGION WILL NOT BE
POSSIBLE UNTIL THE REGION IS ROTATED INTO VIEW.

C. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE
THREE DAY PERIOD APRIL 27-29 ARE AS FOLLOWS /FIGURES ARE
PERCENTAGES FOR EACH OF THE THREE DAYS/

IMPORTANCE ONE OR GREATER 95/95/100

IMPORTANCE TWO OR GREATER 5/10/10

IMPORTANCE THREE OR GREATER 1/1/1

PROTON EVENTS 1/1/1

D. THE OTTAWA 10.7 CM FLUX TODAY IS 124. THE PREDICTED
VALUES FOR APRIL 27-29 ARE 130/135/140

E. THE FREDERICKSBURG MAGNETIC A INDEX FOR YESTERDAY WAS 7.
TODAY IT WILL BE ABOUT 2. THE PREDICTED AP VALUES FOR
APRIL 27-29 ARE 5/8/8

BT