

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 PLACES 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 S22 E LIMB WAS ACCOMPANIED 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