

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SPACE DISTURBANCE FORECAST NUMBER 513A ISSUED AT 1700Z

APRIL 28 1967

A. AN IMPORTANCE ONE FLARE WAS REPORTED AT N23W90 AT 0525Z. THIS REGION WILL PASS OVER THE WEST LIMB TODAY. CONSIDERABLE GROWTH HAS OCCURRED IN THE SPOT GROUP AT S18E14 DURING THE PAST 24 HOURS AND IT IS NOW CLASS D WITH AREA OF 220 MILLIONTHS. ONLY SUBFLARES HAVE BEEN REPORTED FROM THIS REGION SO FAR. MINOR GROWTH HAS OCCURRED IN THE SPOT GROUPS AT N26W05 AND S21E67. MINOR PROMINENCE ACTIVITY HAS BEEN OBSERVED ON EAST LIMB NEAR N25.

B. OVERALL SOLAR ACTIVITY SHOULD INCREASE GRADUALLY. THE EAST LIMB PROMINENCE ACTIVITY APPEARS TO BE RELATED TO A REGION DUE TO RETURN THERE ON THE 29TH. CONTINUED GROWTH IS LIKELY IN THE REGION AT S18E14.

C. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE THREE DAY PERIOD APRIL 29-MAY01 ARE AS FOLLOWS/FIGURES ARE PERCENTAGES FOR EACH OF THE THREE DAYS/R

IMPORTANCE ONE OR GREATER 100/100/100

IMPORTANCE TWO OR GREATER 10/15/20

IMPORTANCE THREE OR GREATER 1/2/2

PROTON EVENTS 1/2/2

D. THE OTTAWA 10.7 CM FLUX TODAY IS ESTIMATED TO BE 134.

THE PREDICTED VALUES FOR APRIL 29 - MAY 1 ARE

137/141/143

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

BT

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO  
SPACE DISTURBANCE FORECAST NUMBER 513B ISSUED AT 2300Z  
APRIL 28 1967.

A. NO SIGNIFICANT SOLAR FLARE ACTIVITY HAS BEEN REPORTED SINCE  
1700Z. MT. WILSON OBSERVATORY REPORTED A MAGNETIC DELTA  
CONFIGURATION WITH MODERATELY WEAK FIELD STRENGTHS IN THE  
SPOT GROUP NOW NEAR N26 W09.

B. A GRADUAL INCREASE IN SOLAR ACTIVITY IS EXPECTED DUE TO  
FURTHER DEVELOPMENTS IN REGIONS AT N26 W09 S18 E12 AND THE  
RETURN OF A NORTHEAST LIMB REGION ON THE 29TH.

C. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE  
THREE DAY PERIOD APRIL 29-MAY1 ARE AS FOLLOWS /FIGURES ARE  
PERCENTAGES FOR EACH OF THE THREE DAYS/

IMPORTANCE ONE OR GREATER 100/100/100

IMPORTANCE TWO OR GREATER 10/15/20

IMPORTANCE THREE OR GREATER 1/2/2

PROTON EVENTS 5/5/5

D. THE OTTAWA 10.7 CM FLUX TODAY IS 133. THE PREDICTED  
VALUES FOR APRIL 29-MAY 1 ARE 137/141/143.

E. THE FREDERICKSBURG MAGNETIC A INDEX FOR YESTERDAY WAS 2.  
TODAY IT WILL BE ABOUT 2. THE PREDICTED AP VALUES FOR  
APRIL 29- MAY 1 ARE 6/8/10.

BT