

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO  
SPACE DISTURBANCE FORECAST NUMBER 507A ISSUED AT 1700Z  
APRIL 22 1967

A. ONLY A FEW SUBFLARES HAVE BEEN REPORTED SINCE OUR  
LAST MESSAGE. AURORAL ACTIVITY WAS OBSERVED LAST NIGHT IN  
NEW FOUNDLAND. A LARGE ERUPTIVE PROMINENCE WAS REPORTED AT  
S55 ON THE EAST LIMB BETWEEN 0315Z AND 0330Z. THE MANILA  
OBSERVATORY REPORTED THAT IT EXTENDED OUT AT LEAST 730,000  
KMS FROM THE DISK OR ABOUT ONE SOLAR RADIUS. SUNSPOT ACTIVITY  
HAS CHANGED LITTLE SINCE YESTERDAY.

B. THE PROBABILITY FOR MAJOR FLARES REMAINS LOW BUT SHOULD  
INCREASE DURING THE NEXT FEW DAYS.

C. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE  
THREE DAY PERIOD APRIL 23-25 ARE AS FOLLOWS /FIGURES ARE  
PERCENTAGES FOR EACH OF THE THREE DAYS/

IMPORTANCE ONE OR GREATER 95/95/95

IMPORTANCE TWO OR GREATER 10/10/15

IMPORTANCE THREE OR GREATER 1/1/1

PROTON EVENTS 1/1/1

D. THE OTTAWA 10.7 CM FLUX TODAY IS ESTIMATED TO BE 131.  
THE PREDICTED VALUES FOR APRIL 23-25 ARE 131/132/133

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

BT

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SPACE DISTURBANCE FORECAST NUMBER 507B ISSUED AT 2300Z

APRIL 22 1967

A. ONLY A FEW SUB-FLARES HAVE BEEN OBSERVED SINCE THE LAST FORECAST. THE REGION NEAR NORTHEAST LIMB WHICH APPEARED YESTERDAY DOES NOT LOOK PARTICULARLY INTERESTING TODAY.

A NEW SPOT GROUP HAS FORMED AT S20 E33.

B. THE PROBABILITY OF MAJOR FLARE ACTIVITY REMAINS LOW. THE BEST CHANCE FOR AN INCREASE WILL COME IN TWO TO THREE DAYS AS RETURNING REGIONS IN BOTH NORTH AND SOUTH APPEAR.

C. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE THREE DAY PERIOD APRIL 23-25 ARE AS FOLLOWS /FIGURES ARE PERCENTAGES FOR EACH OF THE THREE DAYS/

IMPORTANCE ONE OR GREATER 90/90/95

IMPORTANCE TWO OR GREATER 5/5/10

IMPORTANCE THREE OR GREATER 0/0/1

PROTON EVENTS 0/0/1

D. THE OTTAWA 10.7 CM FLUX TODAY IS 130. THE PREDICTED VALUES FOR APRIL 23-25 ARE 131/132/134

E. THE FREDERICKSBURG MAGNETIC A INDEX FOR YESTERDAY WAS 7. TODAY IT WILL BE ABOUT 17. THE PREDICTED AP VALUES STR APRIL 23-25 ARE 15/10/10

BT