

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO  
VIA AGIWARN

A  
SPACE DISTURBANCE FORECAST NUMBER 385~~B~~ ISSUED 1700Z

DECEMBER 21 1966

A. SOLAR ACTIVITY REMAINS LOW. NO REGIONS PRESENTLY VISIBLE  
OR LIKELY TO PRODUCE FLARES OF IMPORTANCE TWO OR GREATER.

AN IMPORTANCE ONE FLARE OF NORMAL BRIGHTNESS OCCURRED AT ABOUT  
ABOUT 0534Z TODAY AT N29E56. THIS REGION CONTAINS A BRIGHT  
PLAGE AND A TINY SPOT GROUP. ENHANCED GREEN CORONA AND 9.1 CM  
EMISSION AT EAST LIMB INDICATE THE PRESENCE OF REGIONS PAST  
THE LIMB IN BOTH HEMISPHERES.

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

IMPORTANCE ONE OR GREATER 85/80/80

IMPORTANCE TWO OR GREATER 5/5/5

IMPORTANCE THREE OR GREATER 0/0/0

PROTON EVENTS 0/0/0

C. THE OTTAWA 10.7 CM FLUX TODAY IS EXPECTED TO BE ABOUT 108.  
PREDICTED VALUES FOR THE THREE DAY PERIOD DECEMBER 22-24  
ARE 106/104/103.

D. THE FREDERICKSBURG MAGNETIC INFORMATION WILL BE INCLUDED  
ON THE 2300Z FORECAST.

BT

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO  
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*ALNIL*

SPACE DISTURBANCE FORECAST NUMBER 385B ISSUED 2300Z

DECEMBER 21 1966

A. SOLAR FLARE ACTIVITY MAY INCREASE DURING THE NEXT TWO DAYS FROM REGIONS APPEARING AT BOTH NE AND SE LIMBS. THE SE REGION IS MOST EVIDENT AT 9.1 CM WAVELENGTH AND THE GREEN CORONA ALSO IS MORE EXTENSIVE HERE COMPARED TO NE. BOTH REGIONS HAVE FORMED WITHIN THE PAST TWO WEEKS AND MAY THEREFORE STILL BE GROWING. A CLASS 2 SURGE WAS REPORTED AT 1952Z FROM THE NE REGION FOLLOWING IONOSPHERIC EFFECTS OF X-RAYS AND RADIO FLUX VARIATIONS AT 1937Z. RADIO FLUX MEASUREMENTS MAY CHANGE ONLY SLIGHTLY DUE TO REGIONS PASSING OVER WEST LIMB COMPENSATING FOR EAST LIMB INCREASES. ALL REGIONS ON THE DISK ARE SMALL AND RELATIVELY INACTIVE.

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

IMPORTANCE ONE OR GREATER 85/90/90

IMPORTANCE TWO OR GREATER 5/10/10

IMPORTANCE THREE OR GREATER 0/0/0

PROTON EVENTS 0/0/0

C. THE OTTAWA 10.7 CM FLUX TODAY IS 110. PREDICTED VALUES FOR THE THREE DAY PERIOD DECEMBER 22-24 ARE 108/108/108.

D. THE FREDERICKSBURG MAGNETIC A INDEX YESTERDAY WAS 5. TODAY IT WILL BE ABOUT 5. PREDICTED VALUES FOR THE THREE DAY PERIOD DECEMBER 22-24 ARE 5/7/7.

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