

FROM SPACE DISTUR BANCE FORECAST CENTER ESSA BOULDER COLO  
VIA AGIWARN

SPACE DISTURBANCE FORECAST NUMBER 386A ISSUED 1700Z  
DECEMBER 22 1966

A. SOLAR ACTIVITY IS EXPECTED TO INCREASE SLIGHTLY FROM THE  
APPEARANCE OF THREE ACTIVE REGIONS AT EAST LIMB. LARGE BRIGHT  
PLAGES ARE OBSERVED AT N21E84 AND S22E78. SPOT GROUPS ARE SEEN  
AT THESE LOCATIONS WITH AREAS OF ABOUT 50 AND 100 MILLIONTHS  
RESPECTIVELY. A LARGE REGION OF LIMB SURGES IS SEEN AT N25-30  
INDICATING AN ADDITIONAL REGION WILL APPEAR ON THE DISK  
TOMORROW. AN IMPORTANCE ONE FLARE WAS REPORTED TODAY AT  
0255Z NEAR A VERY SMALL SPOT GROUP AT N30E39. TINY SPOT GROUPS ARE  
ALSO SEEN AT N27E54 AND S01E03.

B. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE  
THREE DAY PERIOD DECEMBER 23-25 ARE AS FOLLOWS/FIGURES ARE  
PERCENTAGES FOR EACH OF THE THREE DAYS  
IMPORTANCE ONE OR GREATER 95/100/100  
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 EXPECTED TO BE ABOUT 110.  
PREDICTED VALUES FOR THE THREE DAY PERIOD DECEMBER 23-25  
ARE 112/114/115.

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

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FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO  
VIA AGIWARN

SPACE DISTURBANCE FORECAST NUMBER 386B ISSUED 2300Z  
DECEMBER 22 1966

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A. SOLAR ACTIVITY IS INCREASING SLIGHTLY. TWO SUNSPOT GROUPS  
NEAR EAST LIMBWERE EACH MEASURED AS 120 MILLIONTHS AREA AND  
ZURICH CLASS C AS OF DEC 22.8. THEY ARE AT N21E82 AND S23E76  
AND ARE ASSOCIATED WITH MODERATELY LARGE AND BRIGHT CALCIUM  
FLAGE REGIONS. THERE ARE FOUR OTHER SPOT GROUPS VISIBLE  
AT N29E29 N27E51 S01E03 AND S28E86 BUT ALL ARE TINY.

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

IMPORTANCE ONE OR GREATER 95/100/100

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 111. PREDICTED VALUES FOR  
THE THREE DAY PERIOD DECEMBER 23-25 ARE 113/115/117.

D. THE FREDERICKSBURG MAGNETIC A INDEX YESTERDAY WAS 8.  
TODAY IT WILL BE ABOUT 10. PREDICTED VALUES FOR THE THREE  
DAY PERIOD DECEMBER 23-25 ARE 7/7/12.