

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO  
VIA AGIWARN

SPACE DISTURBANCE FORECAST NUMBER 388A ISSUED 1700Z  
DECEMBER 24<sup>1</sup><sub>24</sub> 1966.

A. SOLAR ACTIVITY IS STABLE OR INCREASING SLOWLY. NO  
SIGNIFICANT CHANGES HAVE OCCURRED IN THE REGIONS AT  
ABOUT N21 E60 AND S23 E57 SINCE YESTERDAY. THE NORTHERN  
REGION PRODUCED AN IMPORTANCE ONE FLARE AT 0441Z TODAY  
AS WELL AS SEVERAL SUBFLARES MANY WITH ASSOCIATED IONOSPHERIC  
EFFECTS. A SMALL NEW SPOT GROUP HAS APPEARED AT ABOUT N25W05.

B. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE  
THREE DAY PERIOD DECEMBER 25-27 ARE AS FOLLOWS/FIGURES

ARE PERCENTAGES FOR EACH OF THE THREE DAYS

IMPORTANCE ONE OR GREATER 100/100/100

IMPORTANCE TWO OR GREATER 15/15/15

IMPORTANCE THREE OR GREATER 0/1/1/

PROTON EVENTS 0/0/0

C. THE OTTAWA 10.7 CM FLUX TODAY IS EXPECTED TO BE ABOUT 114.  
PREDICTED VALUES FOR THE THREE DAY PERIOD DECEMBER 25-27  
ARE 115/116/116.

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

BT

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO  
VIA AGIWARN

ALN12

SPACE DISTURBANCE FORECAST NUMBER 388B ISSUED 2230Z  
DECEMBER 24 1966.

A. SOLAR ACTIVITY NOW APPEARS TO BE SLOWLY DECLINING.

THE SUNSPOT GROUP AT N21E56 IS SLIGHTLY SMALLER AND ITS  
CALCIUM PLAGE HAS DECREASED IN AREA AND BRIGHTNESS. THE  
SPOT GROUP AT S23E54 IS ALSO SLIGHTLY SMALLER HOWEVER ITS  
ASSOCIATED PLAGE IS LARGER AND REMAINS BRIGHT. ALL OTHER  
SPOT GROUPS ARE VERY SMALL AND ARE ASSOCIATED WITH RELATIVELY  
SMALL AND FAINT PLAGES. REPORTS OF SOLAR DATA TODAY ARE  
HAMPERED BY WEATHER OR EQUIPMENT PROBLEMS.

B. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE  
THREE DAY PERIOD DECEMBER 25-27 ARE AS FOLLOWS/FIGURES ARE  
THE PERCENTAGES FOR EACH OF THE THREE DAYS/.

IMPORTANCE ONE OR GREATER 100/95/95

IMPORTANCE TWO OR GREATER 15/10/10

IMPORTANCE THREE OR GREATER 0/0/0

PROTON EVENTS 0/0/0

C. THE OTTAWA 10.7 CM FLUX TODAY IS 114. PREDICTED VALUES FOR  
THE THREE DAY PERIOD DECEMBER 25-27 ARE 114/112/110.

D. THE FREDERICKSBURG MAGNETIC A INDEX YESTERDAY WAS 6.  
TODAY IT WILL BE ABOUT 11. PREDICTED VALUES FOR THE THREE  
DAY PERIOD DECEMBER 25-27 ARE 12/12/8.

AND MERRY CHRISTMAS TO YOU ALL

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