

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

VIA AGIWARN

SPACE DISTURBANCE FORECAST NUMBER 37<sup>4</sup>A ISSUED 1700Z

DECEMBER 10 1966

A. THERE WAS AN IMPORTANCE TWO FLARE TODAY AT 1435Z IN THE REGION AT N21 E36. THIS IS THE SAME REGION WHICH PRODUCED AN IMPORTANCE TWO FLARE YESTERDAY. IT ALSO GONE TWO IMPORTANCE ONE FLARES TODAY AT 1208Z AND 1419Z. ITS SUNSPOT AREA HAS DECLINED BUT STILL APPEARS CAPABLE OF FURTHER FLARE ACTIVITY. THE REGION AT S22 E09 CONTINUES TO GROW IN SIZE AND COMPLEXITY CMMA IT HAS PRODUCED TWO SUBFLARES SO FOR TODAY AND IS A LIKELY SITE FOR MAJOR FLARES WITHIN THE NEXT TWO DAYS. A NEW SUNSPOT GROUP AT N20 E36 PRODUCED SEVERAL SUBFLARES YESTERDAY. IT IS A SMALL NEW GROUP WHICH APPEARS CAPABLE OF FURTHER GROWTH.

B. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE THREE DAY PERIOD DECEMBER 11-13 ARE AS FOLLOWS/FIGURES

ARE PERCENTAGES FOR EACH OF THE THREE DAYS/

IMPORTANCE ONE OR GREATER 100/100/100

IMPORTANCE TWO OR GREATER 70/75/80

IMPORTANCE THREE OR GREATER <sup>15/20/25</sup>~~10/15/15~~

PROTON EVENTS 10/15/15

C. THE OTTAWA 10.7 CM FLUX TODAY IS EXPECTED TO BE ABOUT 160.

PREDICTED VALUES FOR THE THREE DAY PERIOD DECEMBER 11-13

ARE 155/150/150.

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

BT

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO  
VIA AGIWARN

ALCON

SPACE DISTURBANCE FORECAST NUMBER 374B ISSUED 2300Z  
DECEMBER 10 1966

A. A CLASS ONE FLARE HAS BEEN REPORTED AT S22 E07  
AT 1755Z. CONTINUED ACTIVITY IS EXPECTED FROM THIS REGION.  
THE REGION AT N21 E36 CONTINUES A SLOW GROWTH CMMB BUT SHOULD  
NOT PRODUCE FLARES GREATER THAN IMPORTANCE TWO.

B. THE PROBABILITIES FOR FLARES AND PROTON EVENT FOR THE  
THREE DAY PERIOD DECEMBER 11-13 ARE AS FOLLOWS/FIGURES ARE  
PERCENTAGES FOR EACH OF THE THREE DAYS/

IMPORTANCE ONE OR GREATER 100/100/100

IMPORTANCE TWO OR GREATER 70/75/80

IMPORTANCE THREE OR GREATER 10/15/20/25

PROTON EVENTS 10/15/15

C. THE OTTAWA 10.7 CM FLUX TODAY WAS 158. PREDICTED VALUES  
FOR THE THREE DAY PERIOD DECEMBER 11-13 ARE 155/150/150.

D. THE FREDERICKSBURG MAGNETIC A INDEX YESTERDAY WAS 01. TODAY  
IT WILL BE ABOUT 02. PREDICTED VALUES FOR THE THREE DAY  
PERIOD DECEMBER 11-13 ARE 9/9/12.

BT