

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

VIA AGIWARN

SPACE DISTURBANCE FORECAST NUMBER 379A ISSUED 1700Z

DECEMBER 15 1966

A. THE SUN IS NOT EXHIBITING A CLEAR TREND OF INCREASING OR DECREASING FLARE ACTIVITY SINCE THERE ARE BOTH GROWING AND DECAYING REGIONS. MAJOR FLARE ACTIVITY IS NOT PROBABLE TODAY. THE REGION AT N17E16 HAS INCREASED ITS NUMBER OF SUNSPOTS AND PRODUCED AN IMPORTANCE ONE FLARE AT 0549Z TODAY. SUNSPOTS AT N14W15 HAVE GROWN SIGNIFICANTLY FROM YESTERDAY AND ALL THE SPOTS ARE ESPECIALLY DARK, INDICATING STRONGER THAN NORMAL MAGNETIC FIELDS FOR THIS SIZE OF SPOTS. FURTHER GROWTH IS EXPECTED HERE. THE FORMERLY ACTIVE REGIONS AT N21W28 AND S22W58 CONTINUE TO DECREASE IN SPOT AREA. MODERATE GREEN CORONA AND AN ACTIVE PROMINENCE INDICATE A REGION WILL APPEAR AT NE LIMB TOMORROW. B. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE THREE DAY PERIOD DECEMBER 16-18 ARE AS FOLLOWS/FIGURES ARE PERCENTAGES FOR EACH OF THE THREE DAYS/
IMPORTANCE ONE OR GREATER 100/100/100
IMPORTANCE TWO OR GREATER 30/30/30
IMPORTANCE THREE OR GREATER 2/2/2
PROTON EVENTS 2/2/2

C. THE OTTAWA 10.7 CM FLUX TODAY IS EXPECTED TO BE ABOUT 145. PREDICTED VALUES FOR THE THREE DAY PERIOD DECEMBER 16-18 ARE 138/135/128.

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

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SPACE DISTURBANCE FORECAST NUMBER 379B ISSUED 2300Z
DECEMBER 15 1966

A. SOLAR ACTIVITY IS SLOWLY DECLINING. A SUBFLARE WHICH WAS CALLED A POSSIBLE IMPORTANCE ONE OCCURRED AT 2015Z AT ABOUT N20E20. THE SUNSPOT AT THIS LOCATION APPEARS UNCHANGED SINCE 1600Z. ITS CALCIUM PLAGE IS MODERATELY LARGE AND BRIGHT AND IS A MODERATELY STRONG SOURCE OF 9.1 CM EMISSION. NO APPARENT CHANGE HAS OCCURRED IN THE SPOT GROUP AT N13W02. THE SUNSPOT GROUPS AT N29W48 AND S22W45 ARE DEFINITELY DECLINING.

B. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE THREE DAY PERIOD DECEMBER 16-18 ARE AS FOLLOWS/FIGURES ARE PERCENTAGES FOR EACH OF THE THREE DAYS/

IMPORTANCE ONE OR GREATER 100/100/100

IMPORTANCE TWO OR GREATER 30/30/30

IMPORTANCE THREE OR GREATER 2/2/2

PROTON EVENTS 2/2/2

C. THE OTTAWA 10.7 CM FLUX TODAY WAS 150. PREDICTED VALUES FOR THE THREE DAY PERIOD DECEMBER 16-18 ARE 145/140/134

D. THE FREDERICKSBURG MAGNETIC A INDEX YESTERDAY WAS 27. TODAY IT WILL BE ABOUT 10. PREDICTED VALUES FOR THE THREE DAY PERIOD DECEMBER 16-18 ARE 8/6/6.

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