

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO
VIA AGIWARN

SPACE DISTURBANCE FORECAST NUMBER 381A ISSUED 1700Z
DECEMBER 17 1966

A. THE REGION AT N20 NEAR CENTRAL MERIDIAN CONTINUE TO DOMINATE SOLAR ACTIVITY. ALTHOUGH OTTAWA FLUX IS FALLING RAPIDLY THE FLARE ACTIVITY SEEMS TO BE INCREASING. A FLARE AT N19W03 WAS REPORTED AS IMPORTANCE ONE BRIGHT AT 0812Z TODAY BUT WAS CALLED IMPORTANCE TWO BY ONE OBSERVATORY. ANOTHER FLARE OCCURRED IN THE SAME REGION AT 0950Z TODAY AND WAS CLASSED AS IMPORTANCE TWO BRIGHT. IT WAS ACCCOMPANIED BY A LARGE XRAY BURST.

B. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE THREE DAY PERIOD DECEMBER 18-20 ARE AS FOLLOWS/FIGURES ARE PERCENTAGES FOR EACH OF THE THREE DAYS

IMPORTANCE ONE OR GREATER 100/100/100

IMPORTANCE TWO OR GREATER 40/40/40

IMPORTANCE THREE OR GREATER 10/10/10

PROTON EVENT 10/10/10

C. THE OTTAWA 10.7 CM FLUX TODAY IS EXPECTED TO BE ABOUT 130. PREDICTED VALUES FOR THE THREE DAY PERIOD DECEMBER 18-20 ARE 125/120/115.

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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SPACE DISTURBANCE FORECAST NUMBER 381B ISSUED 2300Z

DECEMBER 17 1966

A. THERE HAVE BEEN TWO IMPORTANCE ONE BRIGHT FLARES SINCE OUR LAST MESSAGE. ONE WAS AT N18W02 AT 1226Z AND ONE AT S18W90 AT 1406Z. THE SUNSPOT ACTIVITY AND RADIO NOISE LEVELS ARE DECLINING HOWEVER. THE REGIONS WHICH WERE EXPECTED TO RETURN AT EAST LIMB HAVE NOT APPEARED. THE MOST LIKELY SPOT FOR FLARES CONTINUES TO BE THE REGION AT N19W02.

B. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE THREE DAY PERIOD DECEMBER 18-20 ARE AS FOLLOWS/FIGURES ARE PERCENTAGES FOR EACH OF THE THREE DAYS/

IMPORTANCE ONE OR GREATER 100/100/100

IMPORTANCE TWO OR GREATER 40/30/30

IMPORTANCE THREE OR GREATER 10/5/5

PROTON EVENTS 10/5/5

C. THE OTTAWA 10.7 CM FLUX TODAY WAS 129. PREDICTED VALUES FOR THE THREE DAY PERIOD DECEMBER 18-20 ARE 120/114/108.

D. THE FREDERICKSBURG MAGNETIC A INDEX YESTERDAY WAS 09.

TODAY IT WILL BE ABOUT 06. PREDICTED VALUES FOR THE THREE DAY PERIOD DECEMBER 18-20 ARE 6/6/4.

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