

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO
VIA AGIWARN

SPACE DISTURBANCE FORECAST NUMBER 380A ISSUED 1700Z

DECEMBER 16 1966

A. SOLAR FLARE ACTIVITY IS EXPECTED TO BE LIMITED TO IMPORTANCE ONE FLARES FOR THE FORECAST PERIOD. A POSSIBILITY FOR LARGER FLARES MAY EXIST IN THE EXTENSIVE REGION AT N20 BETWEEN CENTRAL MERIDIAN AND E30. SUNSPOTS AT N18E04 HAVE INCREASED IN NUMBER AND A GROUPS AT N21E21 HAS DEVELOPED DARK SPOTS WITH RUDIMENTARY PENUMBRA SINCE YESTERDAY. THE NE COMPLEX IS THE BRIGHTEST REGION AT RADIO WAVELENGTHS. THE GROUP AT N14W28 HAS NOT CHANGED SIGNIFICANTLY. THE GROUPS AT N22W41 AND S23W68 CONTINUE A STEADY DECLINE AND ARE NO LONGER IMPORTANT. THERE IS NO EVIDENCE OF THE REGION EXPECTED NEAR NE LIMB TODAY.

B. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE THREE DAY PERIOD DECEMBER 17-19 ARE AS FOLLOWS/FIGURES ARE PERCENTAGES FOR EACH OF THE THREE DAYS/

IMPORTANCE ONE OR GREATER 100/100/100

IMPORTANCE TWO OR GREATER 20/25/25

IMPORTANCE THREE OR GREATER 2/2/2

PROTON EVENTS 1/1/1

C. THE OTTAWA 10.7 CM FLUX TODAY IS EXPECTED TO BE ABOUT 142. PREDICTED VALUES FOR THE THREE DAY PERIOD DECEMBER 17-19 ARE 136/130/126.

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

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SPACE DISTURBANCE FORECAST NUMBER 380B ISSUED 2300Z
DECEMBER 16 1966

A. OVERALL SOLAR ACTIVITY IS DECLINING WITH THE DIMINUTION AND THE APPROACH TO WEST LIMB OF THE NORTHWEST AND SOUTHWEST REGIONS. FLARE ACTIVITY SHOULD BE CONFINED TO FLARES OF IMPORTANCE TWO OR LESS FROM THE REGION CONTAINING THE SPOT GROUPS AT N18E04 AND N21E21. THESE SPOT GROUPS APPEAR TO BE INCREASING IN AREA AND COMPLEXITY AND AN IMPORTANCE ONE FLARE OCCURRED AT N18E01 AT 2055Z. A FACULAR AREA OF NORMAL BRIGHTNESS AND NO VISIBLE SUNSPOTS IS NOW VISIBLE AT THE NORTHEAST LIMB NEAR THE LOCATION OF THE REGION THAT WAS EXPECTED TO RETURN.

B. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE THREE DAY PERIOD DECEMBER 17-19 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 5/5/5
PROTON EVENTS 5/5/5

C. THE OTTAWA 10.7 CM FLUX TODAY WAS 140. PREDICTED VALUES FOR THE THREE DAY PERIOD DECEMBER 17-19 ARE 134/129/124.

D. THE FREDERICKSBURG MAGNETIC A INDEX YESTERDAY WAS 13. TODAY IT WILL BE ABOUT 7. PREDICTED VALUES FOR THE THREE DAY PERIOD DECEMBER 17-19 ARE 6/6/6.

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