

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO
VIA AGIWARN

SPACE DISTURBANCE FORECAST NUMBER 3837 873\$ 2300Z

DECEMBER 20 1966

A. SOLAR ACTIVITY CONTINUES TO DECLINE. ALL SPOT GROUPS ARE EITHER STABLE OR DECLINING AND A PREVIOUSLY ACTIVE SPOT GROUP IS NOW PASSING OVER THE NORTHWEST LIMB. THE IMPORTANCE TWO FLARE OF 1817Z DECEMBER 18 WAS OBSERVED ONLY ON THE FILM REVIEW AT THE OBSERVATORY. IT HAD SUCH A SLOW RISE TIME THAT IT WAS NOT DETECTED AS A FLARE BY VISUAL PATROL.

B. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE THREE DAY PERIOD DECEMBER 20-22 ARE AS FOLLOWS/FIGURES ARE PERCENTAGES FOR EACH OF THE THREE DAYS

IMPORTANCE ONE OR GREATER 95/90/90

IMPORTANCE TWO OR GREATER 15/10/10

IMPORTANCE THREE OR GREATER 1/0/0

PROTON EVENTS 0/0/0

C. THE OTTAWA 10.7 CM FLUX TODAY IS 116. PREDICTED VALUES FOR THE THREE DAY PERIOD DECEMBER 20-22 ARE 110/106/102.

D. THE FREDERICKSBURG MAGNETIC A INDEX YESTERDAY WAS 5. TODAY IT WILL BE ABOUT 1. PREDICTED VALUES FOR THE THREE DAY PERIOD DECEMBER 20-22 ARE 4/7/5.

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FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO
VIA AGIWARN

SPACE DISTURBANCE FORECAST NUMBER 384^A ISSUED 1700Z

DECEMBER 20 1966

^A SOLAR FLARE ACTIVITY MAY INCREASE SLIGHTLY AS THREE REGIONS
IN THE EASTERN HEMISPHERE DEVELOP. OVERALL ACTIVITY INDICES MAY
CHANGE BUT LITTLE AS REGIONS IN THE NW ROTATE OVER WEST LIMB
^W WHICH WILL TEND TO BALANCE THE INCREASES IN THE EAST. SMALL
BRIGHT PLACES HAVE FORMED NEAR S06E21 AND N27E70. THE
FORMER CONTAINS A SMALL SUNSPOT GROUP. THE REGION AT N28E57
APPEARS TO BE DEVELOPING SLOWLY AND NOW CONTAINS A SMALL TYPE
C SUNSPOT GROUP. ALL REGIONS IN THE NW QUADRANT HAVE DECLINED
SIGNIFICANTLY SINCE YESTERDAY. NO FLARES HAVE BEEN REPORTED
TODAY.

B. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE
THREE DAY PERIOD DECEMBER 21-23 ARE AS FOLLOWS/FIGURES ARE
PERCENTAGES FOR EACH OF THE THREE DAYS

IMPORTANCE ONE OR GREATER 85/85/85

IMPORTANCE TWO OR GREATER 5/5/5

IMPORTANCE THREE OR GREATER 0/0/0

PROTON EVENTS 0/0/0

C. THE OTTAWA 10.7 CM FLUX TODAY IS EXPECTED TO BE ABOUT 111.
PREDICTED VALUES FOR THE THREE DAY PERIOD DECEMBER 21-23
ARE 106/103/101.

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

BT

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO
VIA AGIWARN

SPACE DISTURBANCE FORECAST NUMBER 384B ISSUED 2300Z
DECEMBER 20 1966

A. SOLAR ACTIVITY REMAINS AT A LOW LEVEL WITH REGIONS
DEVELOPING ON THE DISK OR ROTATING ONTO EAST LIMB TENDING TO
BALANCE LOSSES AT WEST LIMB. THE BRIGHT PLAGE AT ABOUT N27E70
NOW CONTAINS A TINY SUNSPOT GROUP. THERE IS GREEN CORONA
EVIDENCE OF A REGION DUE TO ROTATE ONTO EAST LIMB AT ABOUT N18.
ALSO ENHANCED 9.1 CM EMISSION AT S28 E LIMB PRESAGES THE
RETURN OF A REGION DUE ON DECEMBER 21. IONOSPHERIC AND RADIO
EMISSION EVENTS AT 1932Z TODAY ARE NOT KNOWN TO BE ASSOCIATED
WITH A VISIBLE FLARE AND MAY HAVE BEEN PRODUCED IN A REGION
JUST OVER WEST LIMB.

B. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE
THREE DAY PERIOD DECEMBER 21-23 ARE AS FOLLOWS/FIGURES ARE
PERCENTAGES FOR EACH OF THE THREE DAYS

IMPORTANCE ONE OR GREATER 85/85/85

IMPORTANCE TWO OR GREATER 5/5/5

IMPORTANCE THREE OR GREATER 0/0/0

PROTON EVENTS 0/0/0

C. THE OTTAWA 10.7 CM FLUX TODAY IS 111. PREDICTED VALUES FOR THE
THREE DAY PERIOD DECEMBER 21-23 ARE 106/103/101.

D. THE FREDERICKSBURG MAGNETIC A INDEX YESTERDAY WAS 2.

TODAY IT WILL BE ABOUT 2. PREDICTED VALUES FOR THE THREE
DAY PERIOD DECEMBER 21-23 ARE 7/5/7.

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