

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

VIA AGIWARN

SPACE DISTURBANCE FORECAST NUMBER 38⁹A ISSUED 1700Z

DECEMBER 25 1966

A. SOLAR ACTIVITY IS DOMINATED BY MCMATH REGIONS NO 8624 NOW AT S27 E53 AND NO 8625 AT N20 E57. NO 8625 PRODUCED NUMEROUS SUBFLARES AND ONE IMPORTANCE ONE NORMAL YESTERDAY. ON THIS CHRISTMAS DAY FLARE ACTIVITY SEEMS TO BE SUBSIDING WITH ONLY AN IMPORTANCE ONE FAINT FLARE IN REGION 8625 AT 0247Z AND A ONE NORMAL AT 0944Z. BOTH OF THE REGIONS HAVE GROWN SINCE YESTERDAY HOWEVER. THE INCREASE OF ACTIVITY IN THE SOUTHERN HEMISPHERE IN THE LAST TWO WEEKS HAS BEEN PERHAPS THE MOST INTERESTING DEVELOPMENT OF THE PAST SEVERAL MONTHS.

B. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE THREE DAY PERIOD DECEMBER 26-28 ARE AS FOLLOWS/FIGURES ARE PERCENTAGES FOR EACH OF THE THREE DAYS

IMPORTANCE ONE OR GREATER 99/99/99

IMPORTANCE TWO OR GREATER 15/15/15

IMPORTANCE THREE OR GREATER 0/1/1

PROTON EVENTS 0/1/1

C. THE OTTAWA 10.7 CM FLUX TODAY IS EXPECTED TO BE ABOUT 115. PREDICTED VALUES FOR THE THREE DAY PERIOD DECEMBER 26-28 ARE 115/115/115

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

BT

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SPACE DISTURBANCE FORECAST NUMBER 389B ISSUED 2300Z

DECEMBER 25 1966.

HLN12

A. THE SITUATION HAS CHANGED LITTLE SINCE THE MORNING FORECAST.

MCMATH REPORTS THAT A THIRD REGION CMMA NO 8626 :.- 8 ->9 9!
SOME INTEREST. IT IS STILL SMALL COMPARED TO THE TWO LARGE EASTERN
REGIONS BUT HAS INCREASED IN SIZE AND INTENSITY SINCE YESTERDAY.
IT IS AT N23 W23 TODAY. NO FLARES HAVE BEEN REPORTED SINCE THE
MORNING FORECAST.

B. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE
THREE DAY PERIOD DECEMBER 26-27 ARE AS FOLLOWS/FIGURES ARE
THE PERCENTAGES FOR EACH OF THE THREE DAYS/.

IMPORTANCE ONE OR GREATER 99/99/99

IMPORTANCE TWO OR GREATER 15/15/15

IMPORTANCE THREE OR GREATER 0/1/1

PROTON EVENTS 0/1/1

C. THE OTTAWA 10.7 CM FLUX HAS NOT BEEN REPORTED
OFFICIALLY TODAY BUT THE UNOFFICIAL REPORT OF 115 SEEMS VALID.
PREDICTED VALUES FOR 26-28 DEC ARE 115/115/115.

D. THE FREDERICKSBURG MAGNETIC A INDEX YESTERDAY WAS 13.
TODAY IT WILL BE ABOUT 10. PREDICTED VALUES FOR THE THREE
DAY PERIOD DECEMBER 26-28 ARE 12/8/8.

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