

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

VIA AGIWARN

SPACE DISTURBANCE FORECAST NUMBER 390A ISSUED 1700Z
DECEMBER 26 1966

A. OVERALL SOLAR ACTIVITY TENDS TO BE STABLE WITH INCREASES IN SOME REGIONS OFFSETTING DECREASES IN OTHER AREAS. IN THE ABSENCE OF DATA FROM SOME OF THE VISUAL REPORTERS INFERENCES MUST BE DRAWN ON INSUFFICIENT INFORMATION. IT APPEARS THAT THE SUNSPOT GROUPS AT ABOUT N21 E30 AND ABOUT S25 E28 ARE BOTH DECREASING IN AREA AND BECOMING LESS COMPLEX. THEIR ASSOCIATED PLAGES ARE RELATIVELY UNCHANGED AND ARE BOTH MODERATELY LARGE AND BRIGHT. THE SOUTHEASTERN REGION ESPECIALLY IS BRIGHT AT 9.1 CM. THIS REGION PRODUCED A POSSIBLE IMPORTANCE ONE FLARE BEGINNING BEFORE 1600Z TODAY. THE THREE DAY OLD REGION AT ABOUT N27 W32 IS INCREASING IN AREA AND BRIGHTNESS AND IN 9.1 CM EMISSION. ITS SUNSPOT GROUP IS ALSO INCREASING IN AREA AND COMPLEXITY. SOMEWHAT ENHANCED 9.1 CM EMISSIONS FROM THE EAST LIMB INDICATES THE POSSIBLE PRESENCE OF REGIONS JUST OVER THE LIMB.

B. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE THREE DAY PERIOD DECEMBER 27-29 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 27-29

ARE 116/117/117

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

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

VIA AGIWARN

SPACE DISTURBANCE FORECAST NUMBER 390B ISSUED 2300Z

DECEMBER 26 - 1966

A. SOLAR ACTIVITY IS EXPECTED TO INCREASE SLIGHTLY BUT THE PROBABILITIES ARE LOW FOR MAJOR FLARE ACTIVITY. (THE REGIONS DISCUSSED IN SDF390A ARE ESSENTIALLY UNCHANGED.) THE SUNSPOT GROUPS AT N29 E21 CMMA S23 E22 AND N26 W37 ARE OF ZURICH CLASS/AREA IN MILLIONTHS C/100 C/110 AND D/100 RESPECTIVELY AS OF DECEMBER 26.8. A POSSIBLE IMPORTANCE ONE FLARE OCCURRED NEAR N29 E21 AT 1945Z TODAY. A NEW REGION NEAR THE NORTHEAST LIMB IS OF MODERATE BRIGHTNESS IN CALCIUM AND IS A WEAK SOURCE OF 9.1 CM FLUX. NO SPOTS HAVE BEEN OBSERVED IN IT.

B. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE THREE DAY PERIOD DECEMBER 27-29 ARE AS FOLLOWS/FIGURES

ARE PERCENTAGES FOR EACH OF THE THREE DAYS

IMPORTANCE ONE OR GREATER 100/100/100

IMPORTANCE TWO OR GREATER 15/15/15

IMPORTANCE THREE OR GREATER 1/1/1

PROTON EVENTS 0/0/0

CAM THE OTTOWA 10.7 CM FLUX TODAY IS 115. PREDICTED VALUES FOR THE THREE DAY PERIOD DECEMBER 27-29 ARE 116/117/117.

D. THE FREDERICKSBURG MAGNETIC A INDEX YESTERDAY WAS 11.

TODAY IT WILL BE ABOUT 16. PREDICTED VALUES FOR THE THREE DAY PERIOD DECEMBER 27-29 ARE 12/8/8.

BT

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left out on
distribution because
390A was not
distributed