

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

VIA AGIWARN

SPACE DISTURBANCE FORECAST NUMBER 407A

JANUARY 12 1967

A. THE 1700Z CM LONGITUDE IS 179 DEGREES. SOLAR ACTIVITY CONTINUES A SLOW DECLINE. LOSSES IN SOLAR EMISSION DUE TO DIMINISHING REGIONS OR REGIONS NEARING WEST LIMB ARE PARTIALLY OFFSET BY A GROWING REGION 13571 AT S21 E47. SPOT GROUP 13571 IS CLASS D OF APPROXIMATELY 100 ^{MILLIONths area associated} ~~8789,5#-43-9:8-53\$~~ WITH A VERY BRIGHT COMPACT HYDROGEN ALPHA PLAGE. A PROBABLY IMPORTANCE TWO FLARE IN REGION 23613 PRODUCED MODERATELY STRONG RADIO OUTBURSTS AND X-RAY ASSOCIATED IONOSPHERIC EFFECTS AT ABOUT 0230Z TODAY. SOLAR INFORMATION IS INCOMPLETE DUE TO WEATHER CONDITIONS AT MANY OBSERVATORIES.

B. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE THREE DAY PERIOD JANUARY 13-15 ARE AS FOLLOWS /FIGURES ARE PERCENTAGES FOR EACH OF THE THREE DAYS/

IMPORTANCE ONE OR GREATER 100/100/100

IMPORTANCE TWO OR GREATER 20/20/20

IMPORTANCE THREE OR GREATER 5/5/5

PROTON EVENTS 5/5/5

C. THE OTTAWA 10.7 CM FLUX TODAY IS EXPECTED TO BE ABOUT 142. THE PREDICTED VALUES FOR JANUARY 13-15 ARE 139/135/130.

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

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FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

VIA AGIWARN

SPACE DISTURBANCE FORECAST NUMBER 407B 2300Z

JANUARY 12 1967

A. THE 2300Z CM LONGITUDE IS 176 DEGREES.

THE PROBABILITY FOR THE OCCURRENCE OF IMPORTANCE TWO FLARES IS INCREASING DUE TO GROWTH IN REGION 13571. ITS SPOT GROUP IS CLASS D OF AREA ABOUT 200 MILLIONTHS. THE PLAGE IS BRIGHT AND HAS DOUBLED IN AREA. 9.1 CM EMISSION FROM THE REGION HAS ALSO INCREASED SIGNIFICANTLY. SPOT GROUP 23613 HAS GROWN SLIGHTLY. NO SIGNIFICANT CHANGES ARE EVIDENT IN THE REMAINING REGIONS.

B. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE THREE DAY PERIOD JANUARY 13-15 ARE AS FOLLOWS /FIGURES ARE PERCENTAGES FOR EACH OF THE THREE DAYS/

IMPORTANCE ONE OR GREATER 100/100/100

IMPORTANCE TWO OR GREATER 25/30/30

IMPORTANCE THREE OR GREATER 5/5/5

PROTON EVENTS 5/5/5

C. THE OTTAWA 10.7 CM FLUX TODAY WAS 144. THE PREDICTED VALUES FOR JANUARY 13-15 ARE 140/136/134

D. THE FREDERICKSBURG MAGNETIC A INDEX YESTERDAY WAS 12. TODAY IT WILL BE ABOUT 1. THE PREDICTED VALUES FOR THE THREE DAY PERIOD JANUARY 13-15 ARE 4/4/4

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