

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

VIA AGIWARN

SPACE DISTURBANCE FORECAST NUMBER 448A ISSUED AT 1700Z

FEBRUARY 22 1967

A. SOLAR FLARE ACTIVITY IS ON THE INCREASE WITH TWO IMPORTANCE TWO FLARES CMMA AT 0121Z AND 0622Z CMMA AND SEVERAL IMPORTANCE ONE FLARES BEING REPORTED TODAY. THERE IS EVIDENCE FROM AT LEAST TWO OBSERVATORIES THAT A MAJOR FLARE MAY HAVE OCCURRED SOME TIME BEFORE 1343Z. THE REGION PRODUCING THESE FLARES IS LOCATED NEAR N20 E64 AND CONTAINS A COMPLEX F SPOT GROUP WITH AREA OVER 600 MILLIONTHS. OTHER REGIONS DISPLAYING MINOR FLARE ACTIVEY ARE AT ABOUT N22 W10 AND N13 W55. THE OTTAWA 10 CM FLUX WAS 140 AT 1415Z TODAY CMMA A RISE OF 14 UNITS SINCE 1700Z YESTERDAY. THE INCREASE IS PRIMARILY DUE TO DEVELOPMENT IN THE REGION AT N20 E64 AS WELL AS ITS FURTHER ROTATION ONTO THE DISK. THE VALUE MAY BE INFLATED SOMEWHAT BY THE POSSIBLE MAJOR FLARE BEFORE 1343Z. ANCHORAGE REPORTS THAT THE PARTICLE EVENT DISCUSSED YESTERDAY APPEARS TO HAVE ENDED BY 2300Z ON THE 21 ST. NO EVIDENCE OF PROTONS HAS BEEN REPORTED TODAY.

B. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE THREE DAY PERIOD FEBRUARY 23-25 ARE AS FOLLOWS /FIGURES ARE PERCENTAGES FOR EACH OF THE THREE DAYS/

IMPORTANCE ONE OR GREATER 100/100/100

IMPORTANCE TWO OR GREATER 70/75/75

IMPORTANCE THREE OR GREATER 25/25/25

PROTON EVENTS 25/30/30

C. THE OTTAWA 10.7 CM FLUX TODAY IS ESTIMATED TO BE 140.

THE PREDICTED VALUES FOR FEBRUARY 23-25 ARE 145/147/148

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

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

VIA AGIWARN

ADVBO ALCN 22230Z

SPACE DISTURBANCE FORECAST NUMBER 448B ISSUED AT 2300Z

FEBRUARY 22 1967

A. THE REGION CENTERED AT ABOUT N23 E64 HAS CONTINUED TO PRODUCE FLARES THROUGHOUT THE DAY INCLUDING AN IMPORTANCE TWO BRIGHT AT 1840Z. RADIO EMISSION EVENTS AND IONOSPHERICALLY DETECTED X-RAY EVENTS WERE ASSOCIATED WITH MOST OF THE FLARES. THE SPOT GROUP AT ABOUT N23 E64 HAS SHOWN SOME STRUCTURAL CHANGES THROUGHOUT THE DAY AND APPEARS TO BE INCREASING IN COMPLEXITY. YELLOW CORONA OBSERVED TODAY AT THE NORTHEAST LIMB IS PROBABLY ASSOCIATED WITH THE ABOVE MENTIONED REGION BUT MAY BE DUE TO ANOTHER SOURCE STILL BEYOND THE LIMB.

B. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE THREE DAY PERIOD FEBRUARY 23-25 ARE AS FOLLOWS /FIGURES ARE PERCENTAGES FOR EACH OF THE THREE DAYS/

IMPORTANCE ONE OR GREATER 100/100/100

IMPORTANCE TWO OR GREATER 70/75/75

IMPORTANCE THREE OR GREATER 25/25/25

PROTON EVENTS 25/30/30

C. THE OTTAWA 10.7 CM FLUX TODAY IS 149. THE PREDICTED VALUES FOR FEBRUARY 23-25 ARE 158/163/165

D. THE FREDERICKSBURG MAGNETIC A INDEX FOR YESTERDAY WAS 5. TODAY IT WILL BE ABOUT 4. THE PREDICTED VALUES FOR FEBRUARY 23-25 ARE 7/10/10

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