

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

VIA AGIWARN

SPACE DISTURBANCE FORECAST NUMBER 422A ISSUED AT 1700Z

JANUARY 27 1967

A. THE LONGITUDE OF CM AT 1700Z IS 341 DEGREES. SOLAR ACTIVITY HAS NOT INCREASED YET BUT SHOULD TOMORROW WITH THE RETURN OF AN ACTIVE REGION AT N15 EAST LIMB. BRIGHT CORONA CONTINUES OVER NE LIMB WITH A PLAGE JUST VISIBLE AT N14. THE CLUSTER OF REGIONS IN THE NORTHWEST ARE INCREASING IN ACTIVITY WITH MORE FREQUENT SMALL FLARES AND SIGNIFICANT SUNSPOT GROWTH. MAJOR FLARE POTENTIAL HAS INCREASED SLIGHTLY WITH TWO IMPORTANCE ONE FLARES REPORTED TODAY AT 0143Z AND 0328Z WITHIN REGION 01020. ANOTHER WAS REPORTED YESTERDAY OCCURRING AT 2050Z IN REGION 28021.

B. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE THREE DAY PERIOD JANUARY 28-30 ARE AS FOLLOWS /FIGURES ARE PERCENTAGES FOR EACH OF THE THREE DAYS/

IMPORTANCE OR GREATER 100/100/100

IMPORTANCE TWO OR GREATER 25/30/30

IMPORTANCE THREE OR GREATER 2/2/2

PROTON EVENTS 1/1/1

C. THE OTTAWA 10.7 CM FLUX TODAY WILL BE ABOUT 160. THE PREDICTED VALUES FOR JANUARY ARE 164/168/172

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

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SPACE DISTURBANCE FORECAST NUMBER 422B ISSUED AT 2300Z

JANUARY 27 1967

A. THE CM LONGITUDE AT 2300Z IS 338 DEGREES. 10 CM RADIO NOISE FLUX HAS INCREASED TO 163 HOWEVER NO FLARES HAVE BEEN REPORTED SINCE 1700Z. THE HYDROGEN ALPHA PLAGE ASSOCIATED WITH THE NORTHWEST CLUSTER OF SPOT GROUPS HAS CONSOLIDATED WOMEWHAT. THE SPOT GROUPS LOCATED THERE ARE VIRTUALLY UNCHANGED. BRIGHT GREEN LINE CORONA AT NORTHEAST LIMB PRESAGES THE EXPECTED RETURNING REGIONS.

B. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE THREE DAY PERIOD JANUARY 28-30 ARE AS FOLLOWS /FIGURES ARE PERCENTAGES FOR EACH OF THE THREE DAYS/

IMPORTANCE OR GREATER 100/100/100

IMPORTANCE TWO OR GREATER 25/30/30

IMPORTANCE TWO OR GREATER 2/2/2

PROTON EVENTS 1/1/1

C. THE OTTAWA 10.7 CM FLUX TODAY IS 163. THE PREDICTED VALUES FOR JANUARY 28-EP ARE 167/172/176

D. THE FREDERICKSBRUG MAGNETIC A INDEX FOR YESTERDAY WAS 4. TODAY IT WILL BE ABOUT 3. THE PREDICTED VALUES FOR JANUARY 28-30 ARE 15/11/7

BT