

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

VIA AGIWARN

SPACE DISTURBANCE FORECAST NUMBER 432A ISSUED AT 1700Z

*Feb 6, 1967*

A. THE CM LONGITUDE AT 1700Z IS 210. SOLAR ACTIVITY IS INCREASING. TWO SPOT GROUPS WITH HIGH GROWTH POTENTIAL ARE LOCATED AT N14 E17 AND N19 E38. THE FIRST IS TYPE C AND VERY NEAR THE H-TYPE SPOT WHICH HAS HAD ASSOCIATED BRILLIANT CLASS TWO FLARES AND STRONG RADIO EMISSION. THE SECOND IS A SMALL TYPE E WITH A HIGH SPOT COUNT. THE INTERACTION OF THESE THREE REGIONS IS LIKELY TO PRODUCE MAJOR FLARES DURING THE FORECAST PERIOD. ALL ARE LOCATED WITHIN THE PROTON LONGITUDES BUT THUS FAR THERE IS NO REPORT OF MAGNETICALLY COMPLEX CONFIGURATION. BRIGHT FACULAE AT N23 E LIMB INDICATE AN ADDITIONAL AREA OF FLARE POTENTIAL MAY APPEAR TOMORROW. ALL REMAINING VISIBLE REGIONS ARE SMALL AND STABLE OR DECLINING.

B. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE THREE DAY PERIOD FEBRUARY 7-9 ARE AS FOLLOWS /FIGURES ARE PERCENTAGES FOR EACH OF THE THREE DAYS/

IMPORTANCE ONE OR GREATER 100/100/100

IMPORTANCE TWO OR GREATER 30/40/50

IMPORTANCE THREE OR GREATER 10/15/15

PROTON EVENTS 15/20/15 *25*

C. THE OTTAWA 10.7 CM FLUX TODAY WILL BE ABOUT 153. THE PREDICTED VALUES FOR FEBRUARY 7-9 ARE 157/160/163

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 432B ISSUED AT 2300Z

FEBRUARY 6 1967

A. SOLAR ACTIVITY CONTINUES TO INCREASE. THE REGION REPORTED AT N14 E17 HAS DOUBLED IN AREA OVER THE PAST 6 HOURS AND IS NOW TYPE D OF 150 MILLIONTHS AREA. THE ASSOCIATED PLAGE CONTINUES COMPACT AND VERY BRIGHT. MAJOR FLARE ACTIVITY IS EXPECTED FROM THIS AREA. THE REGION AT N23 E LIMB HAS PRODUCED A LARGE ERUPTIVE EVENT AT 1830Z<sup>x</sup> ACCOMPANIED BY TYPE THREE AND CONTINUUM RADIO EMISSIONS. OTHER REGIONS ON THE SUN INCLUDING THE REGION THIS MORNING AT N19 E38 ARE REMAINING RELATIVELY STABLE.

B. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE THREE DAY PERIOD FEBRUARY 7-9 ARE AS FOLLOWS /FIGURES ARE PERCENTAGES FOR EACH OF THE THREE DAYS/

IMPORTANCE ONE OR GREATER 100/100/100

IMPORTANCE TWO OR GREATER 40/50/60

IMPORTANCE THREE OR GREATER 10/15/20

~~IMPORTANCE FOUR OR GREATER 10/15/20~~

PROTON EVENTS 15/15/20

C. THE OTTAWA 10.7 CM FLUX TODAY IS 156. THE PREDICTED VALUES FOR FEBRUARY 7-9 ARE 160/164/168

D. THE FREDERICKSBURG MAGNETIC A INDEX FOR YESTERDAY WAS 12.

TODAY IT WILL BE ABOUT 6. THE PREDICTED VALUES FOR FEBRUARY 7-9 ARE 5/5/9

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