

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

VIA AGIWARN

SPACE DISTURBANCE FORECAST NUMBER 433A ISSUED AT 1700Z

FEBRUARY 7 1967

A. SOLAR ACTIVITY CONTINUES A RAPID INCREASE AS SEVERAL SOLAR REGIONS EXHIBIT MARKED DEVELOPMENT. AN IMPORTANCE ONE FLARE AND SEVERAL SUBFLARES HAVE OCCURRED IN THE REGION NEAR N19 E25 SO FAR TODAY. THE SPOT GROUPS AT ABOUT N19 E25 AND N14 E04 HAVE BOTH GROWN SUBSTANTIALLY NOW HAVING AREAS OF APPROXIMATELY 300 AND 250 MILLIONTHS RESPECTIVELY. A CLUSTER OF SPOTS HAS DEVELOPED JUST EAST OF THE CLASS J AT S15 W21. A SPOT GROUP NEAR EAST LIMB AT ABOUT N20 APPEARS TO BE CLASS C OF AREA ABOUT 100 MILLIONTHS. 9.1 CM SOLAR RADIO FLUX HAS INCREASED SIGNIFICANTLY FROM ALL THE AFOREMENTIONED REGIONS. CM LONGITUDE AT 1700Z IS 197 DEGREES.

B. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE THREE DAY PERIOD FEBRUARY 8-10 ARE AS FOLLOWS /FIGURES ARE PERCENTAGES FOR EACH OF THE THREE DAYS/

IMPORTANCE ONE OR GREATER 100/100/100

IMPORTANCE TWO OR GREATER 50/60/60

IMPORTANCE THREE OR GREATER 15/20/20

PROTON EVENTS 15/20/20

C. THE OTTAWA 10.7 CM FLUX IS ESTIMATED TO BE 167. THE PREDICTED VALUES FOR FEBRUARY 8-10 ARE 175/18/185

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

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SPACE DISTURBANCE FORECAST NUMBER 433B ISSUED AT 2300Z

FEBRUARY 07 1967

A. SOLAR ACTIVITY CONTINUES TO INCREASE. ADDITIONAL SUBFLARES HAVE OCCURED IN THE REGION NEAR N20 E22 BUT NO MAJOR FLARES HAVE BEEN OBSERVED. ALL OF THE VISIBLE SPOT GROUPS APPEAR TO BE OF SIMPLE MAGNETIC CONFIGURATION HOWEVER THE GROUP AT N22 E69 IS TOO NEAR THE LIMB TO BE MEASURED ACCURATELY. THIS SPOT GROUP HAS A CONFIGURATION WHICH SHOWS POTENTIAL FOR MAJOR GROWTH AND IT EXISTS IN A VERY BRIGHT FACULAR REGION. MAJOR FLARE POTENTIAL CONTINUES WITH THE AREA AT N15 NEAR CENTRAL MERIDIAN.

B. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE THREE DAY PERIOD FEBRUARY 8-10 ARE AS FOLLOWS /FIGURES ARE PERCENTAGES FOR EACH OF THE THREE DAYS/

IMPORTANCE ONE OR GREATER 100/100/100

IMPORTANCE TWO OR GREATER 40/50/50

IMPORTANCE THREE OR GREATER 10/10/10

PROTON EVENTS 10/10/10

C. THE OTTAWA 10.7 CM FLUX IS ~~ESTIMATED TO BE~~ 167. THE PREDICTED VALUES FOR FEBRUARY 8-10 ARE 173/178/183

D. THE FREDERICKSBURG MAGNETIC A INDEX FOR YESTERDAY WAS 7. TODAY IT WILL BE ABOUT 13. THE PREDICTED VALUES FOR FEBRUARY 8-10 ARE 30/12/7.

BT