

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

VIA AGIWARN

SPACE DISTURBANCE FORECAST NUMBER 451A ISSUED AT 1700Z

FEBRUARY 25 1967

A. MAJOR FLARES ARE STILL EXPECTED FROM THE REGION AT N22 E20. ITS SUNSPOT AREA HAS GROWN TO 1700 MILLIONTHS WITH THE STRUCTURE BECOMING EVEN MORE COMPLEX. THE FLARE AREA HAS ALSO INCREASED. SINCE YESTERDAY IT HAS PRODUCED FREQUENT SUBFLARES AND SEVERAL IMPORTANCE ONE FLARES. ALL OTHER REGIONS APPEAR STABLE OR DECLINING.

B. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE THREE DAY PERIOD FEBRUARY 26-28 ARE AS FOLLOWS/FIGURES ARE PERCENTAGES FOR EACH OF THE THREE DAYS/

IMPORTANCE ONE OR GREATER 100/100/100

IMPORTANCE TWO OR GREATER 90/90/90

IMPORTANCE THREE OR GREATER 35/35/35

PROTON EVENTS 35/35/35

C. THE OTTAWA 10.7 CM FLUX TODAY IS ESTIMATED TO BE 173

THE PREDICTED VALUES FOR FEBRUARY 26-28 ARE 178/182/185

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

VIA AGIWARN

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SPACE DISTURBANCE FORECAST NUMBER 451B ISSUED AT 2300Z

FEBRUARY 25 1967

A. THE CLASS F SPOT GROUP AT N28E18 HAS CONTINUED TO INCREASE IN AREA AND NOW COVERS ABOUT 1800 MILLIONTHS OF THE SOLAR DISC. MAJOR FLARE PRODUCTION HAS DROPPED SOMEWHAT WITH ONE CONFIRMED AND ONE POSSIBLE IMPORTANCE TWO FLARE REPORTED YESTERDAY AND NONE YET TODAY. IMPORTANCE ONE FLARES HAVE BEEN OCCURRING IN THIS REGION TODAY AT 1810Z AND 1955Z. AN EVENT WAS RECORDED IONOSPHEREICALLY AT 1855Z AND TYPE IV EMISSION STARTED AT 1900Z AND ENDED AT 2040Z. THIS EVENT HAS NOT BEEN DEFINITELY CORRELATED WITH AN OPTICAL FLARE AS MOST OBSERVATORIES HAD INTERMITTENT SEEING AT THE TIME.

B. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE THREE DAY PERIOD FEBRUARY 26-28 ARE AS FOLLOWS/FIGURES ARE PERCENTAGES FOR EACH OF THE THREE DAYS/

IMPORTANCE ONE OR GREATER 100/100/100

IMPORTANCE TWO OR GREATER 90/90/90

IMPORTANCE THREE OR GREATER 35/35/35

PROTON EVENTS 35/35/35

C. THE OTTAWA 10.7 CM FLUX TODAY IS 167. THE PREDICTED VALUES FOR FEBRUARY 26-28 ARE 169/171/173.

D. THE FREDREICKSBURG MAGNETIC A INDEX FOR YESTERDAY WAS 3. TODAY IT WILL BE ABOUT 8. THE PREDICTED VALUES FOR FEBRUARY 26-28 ARE 11/21/15.

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