

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

VIA AGIWARN

SPACE DISTURBANCE FORECAST NUMBER 449A ISSUED AT 1700Z

FEBRUARY 23 1967

A. MAJOR FLARES ARE EXPECTED TODAY FROM THE REGION AT N20E50. NUMEROUS IMPORTANCE TWO FLARES HAVE BEEN OBSERVED THERE IN THE PAST 36 HOURS AND AN IMPORTANCE THREE BRIGHT REPORTEDLY OCCURRED AT 0831Z TODAY. THE SUNSPOT GROUP AT N20E50 HAS BEEN IDENTIFIED AS A MAGNETIC CLASS DELTA BY MT. WILSON. IT IS AN OPTICAL CLASS F WITH AREA NEAR 1000 MILLIONTHS AND IT EXTENDS 20 DEGREES LONGITUDINALLY. THIS REGION IS A POTENTIAL PROTON EVENTS PRODUCER. OTHER IMPORTANCE TWO FLARES OCCURRED YESTERDAY AT N22W01 N22W13 AND N20E90.

B. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE THREE DAY PERIOD FEBRUARY 24-26 ARE AS FOLLOWS/FIGURES ARE PERCENTAGES FOR EACH OF THE THREE DAYS/

IMPORTANCE ONE OR GREATER 100/100/100

IMPORTANCE TWO OR GREATER 95/95/95

IMPORTANCE THREE OR GREATER 40/40/40

PROTON EVENTS 40/40/40

C. THE OTTAWA 10.7 CM FLUX TODAY IS ESTIMATED TO BE 156.

THE PREDICTED VALUES FOR FEBRUARY 24-26 ARE 162/165/167.

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

BT

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

VIA AGIWARN

ADVBO ALCON 23230

SPACE DISTURBANCE FORECAST NUMBER 449B ISSUED AT 2300Z

FEBRUARY 23 1967

A. MAJOR FLARES ARE EXPECTED FROM A COMPLEX REGION AT N20E46. NUMEROUS MAJOR FLARES HAVE OCCURRED THERE IN THE PAST TWO DAYS. THE LAST REPORTED SIGNIFICANT EVENT THERE WAS AN IMPORTANCE ONE AT 1728Z. ALL OTHER REGIONS APPEAR TO BE OF MINOR IMPORTANCE.

B. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE THREE DAY PERIOD FEBRUARY 24-26 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 40/40/40

PROTON EVENTS 30/30/30

C. THE OTTAWA 10.7 CM FLUX TODAY IS 159. THE PREDICTED VALUES FOR FEBRUARY 24-26 ARE 165/168/170.

D. THE FREDERICKSBURG MAGNETIC A INDEX YESTERDAY WAS 6. TODAY IT WILL BE ABOUT 8. THE PREDICTED VALUES FOR FEBRUARY 24-26 ARE 20/15/10.

BT