

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO
VIA AGIWARN

SPACE DISTURBANCE FORECAST NUMBER 439A ISSUED 1700Z

FEBRUARY 13 1967

A. SOLAR ACTIVITY IS EXPECTED TO CONTINUE DECLINING OVER THE NEXT THREE DAYS WITH THE LIMB PASSAGE OF THE NORTHWEST REGIONS. THESE REGIONS ARE THE MOST ACTIVE ON THE DISK IN TERMS OF SPOT GROUP AREA AND STRUCTURE AND 9.1CM EMISSION. AN IMPORTANCE ONE-NORMAL FLARE OCCURRED IN THE REGION NEAR N13W69 AT ABOUT 0020Z TODAY. ANOTHER IMPORTANCE ONE FLARE AT 0241Z TODAY OCCURRED AT ABOUT S02E44 IN A REGION WHICH CONTAINED A TINY SPOT GROUP YESTERDAY. THE SPOT GROUP AT N15E09 APPEARS TO BE DEVELOPING SLIGHTLY. A NEW SMALL CLASS J SPOT GROUP IS NOW VISIBLE AT EAST LIMB NEAR SOUTH 20.

B. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE THREE DAY PERIOD FEBRUARY 14-16 ARE AS FOLLOWS/FIGURES ARE PERCENTAGES FOR EACH OF THE THREE DAYS/

IMPORTANCE ONE OR GREATER 100/100/100

IMPORTANCE TWO OR GREATER 10/10/10

IMPORTANCE THREE OR GREATER 1/1/1

PROTON EVENTS 1/1/1

C. THE OTTAWA 10.7 CM FLUX TODAY IS ESTIMATED TO BE 133.

THE PREDICTED VALUES FOR FEBRUARY 14-16 ARE 129/125/125.

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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ADVRO ALBEG MINGSTORM EXPECTED

SPACE DISTURBANCE FORECAST NUMBER 439B ISSUED AT 2300Z

FEBRUARY 13 1967

- A. A MAJOR FLARE AT 1754Z IS GENERALLY CLASSED AS IMPORTANCE TWO BRIGHT BUT SACRAMENTO PEAK REPORTS IT AS IMPORTANCE FOUR BRIGHT. IT WAS LOCATED AT N18 W10 BETWEEN TWO TINY CLUSTERS OF SPOTS. THE SPOTS FORM A DISTINCTLY SIMPLE BIPOLAR CONFIGURATION. THE FLARE FORMED PARALLEL FLARE FILAMENTS AND WAS ACCOMPANIED BY TYPE IV RADIO EMISSION CMMA MODERATE TO WEAK 10 CM BURST CMMA AND MODERATE TO WEAK X-RAY EMISSION. ANCHORAGE HAS REPORTED A VERY SMALL ABSORPTION EVENT BEGINNING ABOUT 2020Z WHICH MAY BE DUE TO PROTONS. IT HAS NOT BEEN CONFIRMED AND IDENTIFICATION IS UNCERTAIN. ALTHOUGH MANY OF THE PARAMETERS ASSOCIATED WITH THE FLARE APPEAR FAVORABLE FOR A PROTON EVENT CMMA THE SPOT GROUP ASSOCIATED WITH THE FLARE DOES NOT POSSESS THE SIZE OR MAGNETIC COMPLEXITY CONSIDERED TO BE REQUIRED. WE DO NOT EXPECT A MAJOR PROTON EVENT.
- B. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE THREE DAY PERIOD FEBRUARY 14-16 ARE AS FOLLOWS /FIGURES ARE PERCENTAGES FOR EACH OF THE THREE DAYS/
IMPORTANCE ONE OR GREATER 100/100/100
IMPORTANCE TWO OR GREATER 15/15/15
IMPORTANCE THREE OR GREATER 2/2/2
PROTON EVENTS 25/15/10
- C. THE OTTAWA 10.7 CM FLUX TODAY IS 133. THE PREDICTED VALUES FOR FEBRUARY 14-16 ARE 130/127/127
- D. THE FREDERICKSBURG MAGNETIC A INDEX FOR YESTERDAY WAS 3. TODAY IT WILL BE ABOUT 1. THE PREDICTED VALUES FOR FEBRUARY 14-16 ARE 18/45/7

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