

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO  
VIA AGIWARN

SPACE DISTURBANCE FORECAST NUMBER 436A ISSUED AT 1700Z  
FEBRUARY 10 1967

A. SOLAR ACTIVITY CONTUES TO DIMINISH IN BOTH 10CM RADIO  
EMISSION AND SUNSPOT AREA. THIS TREND SHOULD NOT CONTINUE  
BEYOND ANOTHER 2 DAYS WITH A CHAIN OF PREVIOUSLY ACTIVE REGIONS  
EXPECTED AROUND NORTH EAST LIMB. THE SPOT GROUPS AT N18W14  
AND N13 W 40 ARE SHOWING SIGNS OF DECAY. A MOUND  
PROMINENCE AT N13 E LIMB PRECEDED THE OBSERVATION OF  
A TINY SUNSPOT NEAR THERE. FLARE ACTIVITY TODAY IS AT A  
MINIMUM WITH NOT EVEN SUB FLARES REPORTED AS YET.

B. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE THREE  
DAY PERIOD FEBRUARY <sup>11-13</sup>~~10-12~~ ARE AS FOLLOWS <sup>approx</sup> FIGURES ARE  
PERCENTAGES FOR EACH OF THE THREE DAYS/

IMPORTANCE ONE OR GREATER ~~10~~ 100/100/100

IMPORTANCE TWO OR GREATER ~~21~~ 15/15/15 10/10/10

IMPORTANCE THREE OR GREATER ~~31~~ 2/2/2

PROTON EVENTS 2-2-2

C. THE OTTAWA 10.7 CM FLUX TODAY IS ESTIMATED TO BE 143. THE  
THE PREDICTED VALUES FOR FEBRUARY <sup>11-13</sup>~~10-12~~ ARE 143-145-148

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

BT

*Archie Alfred Fairlie Leffler Thomas*  
*Expected*  
XFROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

VIA AGIWARN

SPACE DISTURBANCE FORECAST NUMBER 436B ISSUED AT 2300Z

FEBRUARY 10 1967

A. SOLAR FLARE ACTIVITY WAS VERY LOW TODAY CMMA THE ONLY VISUAL ACTIVITY REPORTED BEING SUBFLARES AND SURGES IN THE REGION AT N17 E80 BETWEEN 1630 AND 1715Z. THE 10 CM FLUX HAS REMAINED STEADY IN THE FACE OF THIS LOW ACTIVITY PERHAPS AS A RESULT OF THE APPEARANCE OF THE BEGINNING OF A SERIES OF PREVIOUSLY ACTIVE REGIONS ON THE NE LIMB. THESE REGIONS SHOULD INCREASE SOLAR ACTIVITY SLIGHTLY OVER THE NEXT THREE DAYS. THE CM

LONGITUDE AT 2300Z IS 154 DEGREES.

B. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE THREE DAY PERIOD FEBRUARY 11-13 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 2/2/2

PROTON EVENTS 2/2/2

C. THE 10.7 CM FLUX TODAY IS 144. THE PREDICTED VALUES FOR FEBRUARY 11-13 ARE 145/147/150

D. THE FREDERICKSBURG MAGNETIC A INDEX FOR YESTERDAY WAS 5. TODAY IT WILL BE ABOUT 2. THE PREDICTED VALUES FOR FEBRUARY 11-13 ARE 5/5/3

BT