

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

VIA AGIWARN

SPACE DISTURBANCE FORECAST NUMBER 408A 1700Z

JANUARY 13 1967

A. THE 1700Z CM LONGITUDE IS <sup>166</sup>~~155~~ DEGREES. MAJOR FLARE ACTIVITY IS NOW LIKELY FROM REGION 13571. THE SPOT GROUP HERE IS GROWING RAPIDLY AND IS PRESENTLY TYPE E WITH AREA NEAR 500 MILLIONTHS. THE PLAGE CONTINUES VERY BRIGHT AND COMPACT. THE MAGNETIC TYPE IS A SIMPLE BETA. THE REGIONS IN THE NV ARE LITTLE CHANGED AND CONTINUE LARGE ENOUGH TO HAVE SOME POTENTIAL FOR MAJOR FLARES. A MAGNETIC STORM BEGAN AT 1202Z TODAY PRESUMABLY AS A RESULT OF AN IMPORTANCE TWO FLARE IN REGION 23613 <sup>AT</sup>~~236~~ 0230Z YESTERDAY. THIS FLARE WAS ACCOMPANIED BY STRONG TYPE FOUR RADIO EMISSION. THE WEST LIMB PASSAGE OF THIS REGION AND OF REGION 22022 WILL OFFSET THE INCREASE ~~IN~~ IN RADIO FLUX IN THE SE REGION 13571.

B. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE THREE DAY PERIOD JANUARY 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 50/60/60

IMPORTANCE THREE OR GREATER 10/15/20

PROTON EVENTS 10/15/15

C. THE OTTAWA 10.7 CM FLUX TODAY IS EXPECTED TO BE ABOUT 140. THE PREDICTED VALUES FOR JANUARY 14-16 ARE 140/139/137

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

SAPCE DISTURBANCE FORECAST NUMBER 408B 2300Z

JANUARY 13 1967

A. THE 2300Z CM LONGITUDE IS <sup>163</sup>149 DEGREES. MAJOR  
FLARE ACTIVITY IS NOW LIKELY FROM BOTH REGIONS 13571 AND  
23613. REGION 13571 HAS INCREASED IN 9.1 CM EMISSION AND  
PRODUCED SEVERAL SUBFLARES TODAY. REGION 23613 HAS ALSO  
INCREASED IN 9.1 CM EMISSION SINCE YESTERDAY. A SPECTACULAR  
ERUPTIVE PROMINENCE OCCURRED NEAR IT ON THE LIMB EARLIER  
TODAY.

B. THE PROBAILITIES FOR FLARES AND PROTON EVENTS FOR THE  
THREE DAY PERIOD JANUARY 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 60/50/50

IMPORTANCE THREE OR GREATER 10/10/10

PROTON EVENTS 10/10/10

C. THE OTTAWA 10.7 CM FLUX TODAY WAS 143. THE PREDICTED  
VALUES FOR JANUARY 14-16 ARE 140/139/137.

D. THE FREDERICKSBUFG MAGNETIC A INDEX YESTERDAY WAS 2.  
TODAY IT WILL BE ABOUT 20. THE PREDICTED VALUES FOR THE THREE  
DAY PERIOD JANUARY 14-16 ARE 15/8/4/.

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