

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

VIA AGIWARN

SPACE DISTURBANCE FORECAST NUMBER 408A 1700Z

JANUARY 13 1967 16

A. THE 1700Z CM LONGITUDE IS ~~150~~ 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 NW 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 ~~AT~~ 0230Z YESTERDAY. THIS FLARE WAS ACCCOMPANIED 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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SAPCE DISTURBANCE FORECAST NUMBER 408B 2300Z

JANUARY 13 1967

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A. THE 2300Z CM LONGITUDE IS 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 SPECTACLUAR ERUPTIVE PROMINENCE OCCURRED NEAR IT ON THE LIMB EARLIER TODAY.

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 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 FREDERICKSBURG 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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