

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

VIA AGIWARN

SPACE DISTURBANCE FORECAST NUMBER 414A ISSUED 1700Z

JANUARY 19 1967

A. THE 1700Z CM LONGITUDE IS 87 DEGREES. SOLAR ACTIVITY IS INCREASING GRADUALLY DUE TO REGIONS NEAR EAST LIMB. A SPOT GROUP IS NOW VISIBLE NEAR THE LOCATION WHERE AN IMPORTANCE ONE BRIGHT FLARE OCCURRED AT 2031Z AND ~~AND~~ A VERY BRIGHT LIMB SURGE WAS OBSERVED AT 2118Z YESTERDAY. ALTHOUGH TOO NEAR THE LIMB TO MEASURE ACCURATELY THIS SPOT GROUP APPEARS TO BE CLASS C WITH AREA ABOUT 100 MILLIONTHS. SPOT GROUP 04518 AT N18 E42 HAS GROWN SLIGHTLY AND PRODUCED AN IMPORTANCE ONE FLARE AT ABOUT 0613Z TODAY. SPOT GROUP 02016 AT N16 E64 IS NOW JUDGED TO BE CLASS C WITH AREA ABOUT 160 MILLIONTHS.

B. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE THREE DAY PERIOD JANUARY 20-22 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 1/1/1

PROTON EVENTS 0/0/0

C. THE OTTAWA 40.7 CM FLUX TODAY IS EXPECTED TO BE ABOUT

121. THE PREDICTED VALUES FOR JANUARY 20-22 ARE 123/124/126

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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SPACE DISTURBANCE FORECAST NUMBER 414B ISSUED 2300Z

JANUARY 19 1967

A. THE LONGITUDE OF CM AT 2300Z IS 83. SOLAR ACTIVITY IS INCREASING SLIGHTLY WITH THE RAPID GROWTH OF A NEW SPOT GROUP 06510 NEAR CENTRAL MERIDIAN. THE GROUP IS NOW POSSIBLY A SMALL TYPE D. GREEN CORONA IS BRIGHT AT NE LIMB WITH A BRIGHT PLAGE AND SMALL SPOT GROUP THERE. A CHROMOSPHERIC BRIGHTENING ACCOMPANUING AN ERUPTIVE FILAMENT AT 2015Z IN THE NW HAS BEEN REPORTED AS A FLARE BUT IS WITHOUT CONFIRMATION. A LARGE REGION IS DUE TO RETURN TO SE LIMB LATE ON THE THIRD DAY.

B. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE THREE DAY PERIOD JANUARY 20-22 ARE AS FOLLOWS/FIGURES ARE PERCENTAGES FOR EACH OF THE THREE DAYS/

IMPORTANCE ONE OR GREATER 100/100/100

IMPORTANCE TWO OR GREATER 15/15/20

IMPORTANCE THREE OR GREATER 1/1/1

PROTON EVENTS 0/0/0

C. THE OTTAWA 10.7 CM FLUX TODAY IS 120. THE PREDICTED VALUES FOR JANUARY 20-22 ARE 122/125/129.

D. THE FREDERICKSBURG MAGNETIC A INDEX FOR YESTERDAY WAS 4. TODAY IT WILL BE ABOUT 4. THE PREDICTED VALUES FOR JANUARY 20-22 ARE 9/11/15.

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