

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

VIA AGIWARN

SPACE DISTURBANCE FORECAST NUMBER 413A ISSUED 1700Z

JANUARY 18 1967

A. THE 1700Z CM LONGITUDE IS 100 DEGREES. A SLOW INCREASE IN SOLAR ACTIVITY IS ANTICIPATED DUE TO REGIONS NEAR EAST LIMB BOTH NORTH AND SOUTH. SPOT GROUP 04517 IS ESSENTIALLY UNCHANGED FROM YESTERDAY BUT THIS REGION HAS INCREASED IN 9.1 CM EMISSION. IT PRODUCED AN IMPORTANCE ONE BRIGHT FLARE AT 0617Z TODAY. A NEW SPOT GROUP IS NEAR VISIBLE AT N16 E80. IT APPEARS TO BE A CLASS J OF AREA ABOUT 80 MILLIONTHS HOWEVER IT IS TWOO NEAR THE LIMB TO BE MEASURED ACCURATELY. THIS SPOT GROUP WAS NOT PRESENT AT WEST LIMB PASSAGE AND IS THEREFORE LESS THAN FOURTEEN DAYS OLD. SPOT GROUPS 13571 /S24 W31/ AND 10522 /N22 W07/ ARE BOTH DECLINING.

THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE THREE DAY PERIOD JANUARY 19-21 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 0/0/0

C. THE OTTAWA 10.7 CM FLUX TODAY IS EXPECTED TO BE ABOUT 120. THE PREDICTED VALUES FOR JANUARY 19-21 ARE 122/124/127

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

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SPACE DISTURBANCE FORECAST NUMBER 41¹B ISSUED 2300Z

JANUARY 18 1967

A. THE 2300Z CM LONGITUDE IS 96 DEGREES. SOLAR ACTIVITY MAY INCREASE TOMORROW FROM ACTIVITY IN A REGION WHICH HAS FORMED A CAP PROMINENCE AT N20 E LIMB. AN IMPORTANCE TWO SURGE OCCURRED THERE AT 2008Z. 9.1 CM EMISSION HAS INCREASED FROM THE CLUSTER OF NORTHEAST REGIONS. THE REMAINING REGIONS ARE ESSENTIALLY UNCHANGED.

B. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE THREE DAY PERIOD JANUARY 19-21 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 10.7 CM FLUX TODAY IS 121. THE PREDICTED VALUES FOR JANUARY 19-21 ARE 123/125/128

D. THE FREDERICKSBURG MAGNETIC A INDEX FOR YESTERDAY WAS 2. TODAY IT WILL BE ABOUT 2. THE PREDICTED VALUES FOR JANUARY 19-21 ARE 7/9/11

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