

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO VIA AGIWARN

SPACE DISTURBANCE FORECAST NUMBER 325 OCTOBER 22 1966

A. SOLAR ACTIVITY REMAINS LOW WITH OCCASIONAL SMALL FLARES IN THE NW ASSOCIATED WITH A MODERATELY LARGE TYPE E SUNSPOT GROUP.

AN IMPORTANCE ONE FLARE WAS REPORTED HERE AT 1936Z TODAY BUT IT IS NOT CONFIRMED BY IONOSPHERIC EFFECTS. THE SUNSPOT GROUP IS AT N14 W65 AND IS CONTINUING TO GROW SLOWLY. ITS STRUCTURE REMAINS SIMPLE. NO MAJOR FLARES ARE ANTICIPATED. A REGION OF SMALL LIMB SURGES IS AT N25 ON E LIMB INDICATING A SLIGHTLY ACTIVE REGION WILL APPEAR THERE TOMORROW. ANOTHER SMALL REGION IS DUE TO RETURN TO SE LIMB ON 25 OCTOBER. THE SUNSPOT GROUPS OTHER THAN THE ONE DISCUSSED ABOVE ARE OF LITTLE CONSEQUENCE.

B. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE THREE DAY PERIOD OCTOBER 23+25 ARE AS FOLLOWS /FIGURES ARE PERCENTAGES FOR EACH OF THE THREE DAYS/

IMPORTANCE ONE OR GREATER 100/100/90

IMPORTANCE TWO OR GREATER 35/40/15

IMPORTANCE THREE OR GREATER 5/5/1

PROTON EVENTS 10/15/2

C. THE OTTAWA 10.7 CM FLUX TODAY WAS ~~125~~¹²⁰. THE PREDICTED VALUES FOR THE THREE DAY PERIOD OCTOBER 23+25 ARE 128/126/121.

D. THE FREDERICKSBURG MAGNETIC A INDEX YESTERDAY WAS 2 TODAY IT WILL BE ABOUT 0. THE PREDICTED VALUES FOR THE THREE DAY PERIOD OCTOBER 23+25 ARE 10/13/13.