

FROM SPACE DISTURBANCE FORECST CENTER ESSA BOULDER COLO VIA AGIWARN

SPACE DISTURBANCE FORECAST NUMBER 326 OCTOBER 23 1966

A THE ACTIVE REGION AT N14W80 IS APPROACHING MAJOR FLARE POTENTIAL TWO IMPORTANCE ONE FLARES OCCURRED HERE AT 1345Z AND 1423Z. IMPORTANCE ONE LOOPS FOLLOWED ON WEST LIMB AT 1605Z. THE GREEN CORONA ABOVE THE REGION IS BRIGHT AND A TRACE OF YELLOW CORONA WAS DETECTED. THE ASSOCIATED SPOT GROUP HAS GROWN TO NEAR 500 MILLIONTHS AND IS SOMEWHAT MORE COMPLWX. THE REGION WILL PASS OVER WEST LIMB BEFORE MAJOR FLARES OCCUR BUT THE REGION COULD RETURN ON NOVEMBER 6 AS A MAJOR REGION. ITS HELIOGRAPHIC POSETION IS NEAR THE PROTON FLARE LONGITUDES THE SPOT GROUP AT N12E25 APPEARS TO BE REJUVANATING. FLARES OF IMPORTANCE ONE MAY OCCUR HERE AT ABOUT ONE PER DAY. ALL OTHER REGION VISIBLE ARE SMALL AND INACTIVE

B. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE THREE DAY PERIOD OCTOBER 24 $\pm$ 26 ARE AS FOLLOWS /FIGURES ARE PERCENTAGES FOR EACH OF THE THREE DAYS

IMPORTANCE ONE OR GREATER 100/90/90

IMPORTANCE TWO OR GREATER 35 $\pm$ 60/0

IMPORTANCE THREE OR GREATER 5/1/1

PROTON EVENTS 15/2/2

C. THE OTTAWA 10.7 CM FLUX TODAY WAS 109. 63534 $\pm$ 6 2 $\pm$  120 @95 125  $\pm$  4309453. THE PREDICTED VALUES FOR THE THREE DAY PERIOD OCTOBER 24 $\pm$ 26 ARE 99/97/97.

THE FREDERICKSBURG MAGNETIC A INDEX YESTERDAY WAS 0. TODAY IT WILL BE ABOUT 0. THE PREDICTED VALUES FOR THE THREE DAY PERIOD OCTOBER 24 $\pm$ 26  $\pm$ 43 5/5/5.

FJBXX