

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO VISA AGIWARN

TRIAL SPACE DISTURBANCE FORECAST NUMBER 312 OCTOBER 9 1966

A. A MAJOR FLARE OCCURRED IN THE REGION AT N22W05 AT 1045Z TODAY.

IT HAS BEEN CALLED BOTH CLASS TWO NORMAL AND THREE NORMAL AND

WAS ACCOMPANIED BY XRAY EMISSION AS OBSERVED BY SATELLITES.

THERE HAVE BEEN NO REPORTS OF ASSOCIATED RADIO EMISSION OR SUDDEN

IONOSPHERIC DISTURBANCES. NO OTHER FLARES HAVE BEEN REPORTED EXCEPT

FOR A SUBFLARE AT 0759Z IN THE SAME REGION. THE SPOT GROUP

IS THE FLARING REGION CONTINUES TO DECLINE BUT THE CALCIUM PLAGE

IS LARGE AND MODERATELY BRIGHT. A NEW BUT AS YET SMALL SPOT GROUP HAS

APPEARED AT N22E14  $-\$$ ,  $-\ominus3\backslash5$  59 5 3  $\frac{13}{44}$ -48\& 43&89\.

THE SPOT GROUP AT S22W47 NOW ARREARS TO BE DECLINEING. ENHANCED CORONAL

EMISSION AS WELL AS MINOR PROMINENCE ACTIVITY AT THE NORTHEAST

LIMB INDICATE THE PRESENCE OF A REGION OVER THE EAST LIMB.

B. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE THREE

DAY PERIOD OCTOBER 10-12 ARE AS FOLLOWS /FIGURES ARE PERCENTAGES

FOR EACH OF THE THREE DAYS

8.0945- $\backslash\ominus3$  9\3  $\frac{13}{44}$ -43 75/75/75

IMPORTANCE TWO FLARES 5/5/5

IMPORTANCE THREE FLARES 1/1/1

IMPORTANCE FOUR FLARES 0/0/0

PROTON EVENTS 0/0/0

C. THE OTTAWA 10.7 CM FLUX TODAY IS 104. THE PREDICTED VALUES

FOR THE THREE DAY PERIOD OCTOBER 10-12 -43 106/108/109.

D. THE FREDERICKSBURG MAGNETIC A INDEX YESTERDAY WAS 5.

TODAY IT WILL BE ABOUT EIGHT THE PREDICTED VALUES FOR THE THREE DAY

PERIOD OCTOBER 10-12 ARE 9/9/12.

BT