

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 ACCCOMPANIED 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 -\$.-63\5 59 5 3 13-48\& 43&89\&. THE SPOT GROUP
AT S22W47 NOW APPEARS TO BE DECLINING. 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

8.0945-103 9\3 13-43 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.