

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO VIA AGIWARN
SPACE DISTURBANCE FORECAST NUMBER 353 NOVEMBER 19 1966.

A. SOLAR ACTIVITY IS INCREASING SLOWLY FROM A LOW LEVEL. A REGION FORMED TODAY AT N21E22 AND IS PRODUCING NUMEROUS SUBFLARES AS IT GROWS. AN IMPORTANCE ONE FLARE OCCURED WITH THIS REGION AT 1511Z. THE SPOT GROUP IS A SMALL TYPE B WITH NUMEROUS SPOTS AT THIS TIME. STRONG GREEN CORONA AND OCCASIONAL LIMB SURGES ACCOMPANY THE WEST LIMB PASSAGE OF THE LARGEST REGION OF THE PAST TWO WEEKS. MODERATE GREEN CORONA AT NE LIMB HAS INCREASED SOME FROM YESTERDAY AS AN EXPECTED RETURNING REGION NEARS LAST LIMB FROM THE SUNS BACK SIDE. THIS REGION WAS SMALL AND DECLINING AT WEST LIMB PASSAGE BUT MARKED THE FIRST SIGNIFICANT ACTIVITY AT ONE OF THE MOST PREFERRED LONGITUDES FOR PROTON FLARE ACTIVITY. NO H ALPHA LIMB ACTIVITY IS YET VISIBLE NEAR THIS CORONAL ACTIVITY. A VERY SMALL NEW SUNSPOT WAS FORMED AT N14W40. SPOT GROUPS AT N18E04 N29E48 AND N34E63 ARE ALL INACTIVE AND DECLINING. A FAINT IMPORTANCE ONE FLARE OCCURRED AT 0820Z AT N22E51.

B. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE THREE DAY PERIOD NOVEMBER 20+22 ARE AS FOLLOWS/FIGURES ARE PERCENTAGES FOR EACH OF THE THREE DAYS

IMPORTANCE ONE OR GREATER 100/100/100

IMPORTANCE TWO OR GREATER 5/10/15

IMPORTANCE THREE OR GREATER 2/2/5

PROTON EVENTS 2/5/5

C. THE OTTAWA 10.7 CM FLUX TODAY WAS 114. PREDICTED VALUES FOR THE THREE DAY PERIOD NOVEMBER 20+22 ARE 108/108/110.

D. THE FREDERICKSBURG MAGNETIC A INDEX YESTERDAY WAS 8.

TODAY IT WILL BE ABOUT 8. THE PREDICTED VALUES FOR THE THREE DAY PERIOD NOVEMBER 20+22 ARE 12/12/6.

BT