

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO VIA AGIWARN

SPACE DISTURBANCE FORECAST NUMBER 344 NOVEMBER 10 1966

A. SOLAR ACTIVITY IS INCREASING. MODERATE GREEN CORONA AT NE LIMB INDICATES THAT AN ACTIVE REGION MAY SOON APPEAR ON THE LIMB. THE POSITION OF THIS ACTIVITY IS VERY CLOSE TO THE POSITION OF THE REGION WHICH PRODUCED THE LARGE PROTON FLARE OF SEPTEMBER 2. THIS POSITION WAS VOID OF ACTIVITY DURING LAST ROTATION AND ANY REGION THERE NOW WILL BE NEW. THE SUNSPOT GROUPS IN THE REGION AT N20 W08 HAVE INCREASED IN COMPLEXITY AND ARE PRODUCING SUBFLARES. INCREASING ACTIVITY IS EXPECTED IN THIS REGION. THE TWO MODERATELY LARGE TYPE H SPOT GROUPS AT N07 <sup>E</sup> S31 AND N13 E35 APPEAR RATHER STABLE HOWEVER THE LATTER SPOT GROUP HAS BEEN PRODUCING SUBFLARES.

B. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE THREE DAY PERIOD NOV 11<sup>13</sup> ARE AS FOLLOWS/FIGURES ARE PERCENTAGES FOR EACH OF THE THREE DAYS

IMPORTANCE ONE OR GREATER 100/100/100

IMPORTANCE TWO OR GREATER 20/25/30

IMPORTANCE THREE OR GREATER 2/10/15

PROTON EVENTS 2/10/15

C. THE OTTAWA 10.7 CM FLUX TODAY WAS 124. THE PREDICTED VALUES FOR THE THREE DAY PERIOD NOV 11<sup>13</sup> ARE 127/129/131.

D. THE FREDERICKSBURG MAGNETIC A INDEX YESTERDAY WAS 2. TODAY IT WILL BE ABOUT 10. THE PREDICTED VALUES FOR THE THREE DAY PERIOD NOV 11<sup>13</sup> ARE 12/8/6.

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