

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO VIA AGIWARN

TRIAL SPACE DISTURBANCE FORECAST NUMBER 302 SEPTEMBER 29 1966

A. SOLAR ACTIVITY IS EXPECTED TO INCREASE SLIGHTLY DUE TO THE REDEVELOPMENT OF THE SUNSPOTS AT N25 W33. NEW STRONG SPOTS HAVE DEVELOPED SINCE YESTERDAY AND ARE STILL GROWING. THE GROUP GEOMETRY IS UNUSUAL BUT THE GROUP AREA IS ONLY 190 MILLIONTHS AND THERE IS NO EVIDENCE OF MAGNETIC COMPLEXITY. THE SUNSPOT GROUP AT S17 W16 IS SMALL BUT HAS A HIGH SPOT COUNT. THE GROUP AT N32 E56 IS NOT DEVELOPING. NO REGIONS ARE EXPECTED TO RETURN TO EAST LIMB UNTIL 3 OCTOBER.

B. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE THREE DAY PERIOD SEPTEMBER 30 - OCTOBER 2 ARE AS FOLLOWS /FIGURES ARE PERCENTAGES FOR EACH OF THE THREE DAYS/

IMPORTANCE ONE FLARES 80/90/90

IMPORTANCE TWO FLARES 20/25/30

IMPORTANCE THREE FLARES 5/5/10

IMPORTANCE FOUR FLARES 1/1/1

PROTON EVENTS 5/10/15

C. THE OTTAWA 10.7 CM FLUX TODAY WAS 98. THE PREDICTED VALUES FOR THE THREE DAY PERIOD SEPT. 30- OCT. 2 ARE 100/102/103

D. THE FREDERICKSBURG MAGNETIC A INDEX YESTERDAY WAS 16. TODAY IT WILL BE ABOUT 13. THE PREDICTED VALUES FOR THE THREE DAY PERIOD SEPTEMBER 30 - OCT. 2 ARE 15/15/11