

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO VIA AGIWARN
TRIAL SPACE DISTURBANCE FORECAST NUMBER 290 SEPTEMBER 17 1966

A. THE SUNSPOT GROUPS AT N06 E26 AND N21 E50 -33 595 & 492\ 8\ 8"3 -\ \$
09.033/856, AND MAJOR FLARES FROM THESE REGIONS ARE IMMINENT. THE
GROUP AT N06 E26 CONTAINS STRONG SPOTS OF OPPOSITE POLARITY WITHIN
ONE DEGREE OF EACH OTHER, AND THE GROUP AT N21 E 50 HAS GROWN
DRAMATICALLY. BOTH REGIONS PRODUCED CLASS TWO FLARES YESTERDAY.
TWO CLASS TWO FLARES HAVE BEEN REPORTED TODAY IN THE REGION AT N21
W68 WHICH CONTAINS A FAIRLY LARGE AND COMPLEX SPOT GROUP.
BRIGHT CORONAL EMISSION AT THE NORTH EAST LIMB PRESAGES

THE EXPECTED RETURN TOMORROW OF THE PROTON REGIONS OF LSAT ROTATION

B. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE THREE
DAY PERIOD SEPTEMBER 18-20 ARE AS FOLLOWS /FIGURES ARE PERCENTAGES
FOR EACH OF THE THREE DAYS/

IMPORTANCE ONE FLARES 100/ 100/ 100

IMPORTANCE TWO FLARES 90/ 90/ 90

IMPORTANCE THREE FLARES 50/ 50/ 50

IMPORTANCE FOUR FLARES 10/ 10/ 10

PROTON EVENTS 30/ 40/ 50

C. THE OTTAWA 10.7 CM FLUX TODAY WAS 128. THE PREDICTED

VALUES FOR THE THREE DAY PERIOD SEPTEMBER 18-20 ARE 133/ 137/ 139

D. THE FREDERICKSBAR MAGNETIC A INDEX YESTERDAY WAS
5 3 443\$348 1574 & .- & 358 - 8\ \$3/ 63534\$-6 2- 5. TODAY

IT WILL BE ABOUT 7. THE PREDICTED VALUES FOR THE THREE DAY
PERIOD SEPTEMBER 18-20 ARE 6/ 19/ 16