

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO VIA AGIWARN

TRIAL SPACE DISTURBANCE FORECAST NUMBER 231 JULY 20 1966

A. SOLAR ACTIVITY IS UP SLIGHTLY TODAY WITH THE REAPPEARANCE OF A MODERATE SIZED SPOT GROUP AT N21 E36 AND THE BIRTH OF FOUR NEW SUNSPOT GROUPS ON THE SUNS DISK. THESE NEW GROUPS ARE ALL VERY SMALL AT THIS TIME CMMA BUT THE GROUP AT N23 E27 IS DEFINITELY GROWING. ANOTHER REGION IS EXPECTED BACK TOMORROW AND A LARGE SUNSPOT GROUP IS EXPECTED TO RECUR ON 23 JULY. AN IMPORTANCE ONE FLARE AND OCCASIONAL SUBFLARES HAVE BEEN REPORTED THE LAST TWO DAYS IN THE RATHER SMALL GROUP IN THE SE.

B. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE THREE DAY PERIOD JULY 21+23 ARE AS FOLLOWS /FIGURES ARE PERCENTAGES FOR EACH OF THE THREE DAYS/

IMPORTANCE ONE FLARES 90/95/100

IMPORTANCE TWO FLARES 5/5/10

IMPORTANCE THREE FLARES 0/0/2

IMPORTANCE FOUR FLARES 0/0/0

PROTON EVENTS 0/0/2

C. THE OTTAWA 10.7 CM FLUX TODAY WAS 99. THE PREDICTED VALUES FOR THE THREE DAY PERIOD JULY 21+23 ARE 101/103/106.

D. THE FREDERICKSBURG MAGNETIC A INDEX FOR YESTERDAY WAS 5. TODAY IT WILL BE ABOUT 4. THE PREDICTED VALUES FOR JULY 21+23 ARE 5/5/5.

BT