

28/0500

UUV

PP KGFF

DE BOU 2090500Z

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SPACE DISTURBANCE FORECAST NUMBER 603C ISSUED AT 0500Z

JULY 28, 1967

MAJOR FLARES ARE EXPECTED DURING THE NEXT 12 HOURS.

BT

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PP KGFF

DE BOU 281100Z

HERE IS THE MSG FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COL

SPACE DISTURBANCE FORECAST NUMBER 603D ISSUED AT 1100Z

JULY 28 1967

MAJOR FLARES ARE EXPECTED DURING THE NEXT 12 HOURS.

BT

28/1700

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SPACE DISTURBANCE FORECAST NUMBER 604A ISSUED AT 1700Z

MAJOR FLARES ARE EXPECTED DURING THE NEXT 12 HOURS

A. NUMEROUS SMALL FLARES HAVE OCCURRED IN THE NORTHERN SOLAR REGIONS PARTICULARLY IN THE REGION NEAR N27 W02. TWO OF THE FLARES WERE RATED AS IMPORTANCE TWO BY ONE OBSERVATORY BUT THE CONSENSUS OF OTHER REPORTS INDICATES THEM TO BE NO LARGER THAN IMPORTANCE ONE. THEY OCCURRED IN THE N27 W02 REGION AT ABOUT 28/0012Z AND 28/0120Z. THE SPOT GROUP AT N27 W02 CONTINUES TO CHANGE STRUCTURE ALTHOUGH ITS SIZE IS RELATIVELY STABLE. IT IS CLASSED AS A MAGNETIC BETA GAMMA TODAY. THIS REGION CONTINUES TO PRODUCE INCREASINGLY STRONG RADIO EMISSION. ADDITIONAL GROWTH HAS OCCURRED IN SOME OF THE OTHER NORTHEASTERN SPOT GROUPS. A SMALL REGION NEAR THE SOUTHEAST LIMB APPEARS TO BE SOMEWHAT ACTIVE. GEOMAGNETIC ACTIVITY BEGAN INCREASING GRADUALLY AT ABOUT 28/1400Z AND HAS NOW BECOME SLIGHTLY DISTURBED.

B. MAJOR FLARE ACTIVITY IS EXPECTED FROM THE N27 W02 REGION ALTHOUGH IT DOES NOT APPEAR TO BE IMMINENT. MAJOR FLARES ARE ALSO POSSIBLE FROM OTHER OF THE NORTHEAST REGIONS. MODERATELY DISTURBED MAGNETIC CONDITIONS SHOULD PERSIST FOR THE NEXT 24 HOURS.

C. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE THREE DAY PERIOD JULY 29-31 ARE AS FOLLOWS /FIGURES ARE PERCENTAGES FOR EACH OF THE THREE DAYS

IMPORTANCE ONE OR GREATER 100/100/100

IMPORTANCE TWO OR GREATER 80/80/80

IMPORTANCE THREE OR GREATER 30/30/30

PROTON EVENTS 20/25/25

D. THE OTTAWA 10.7 CM FLUX TODAY IS 207. THE PREDICTED VALUES FOR JULY 29-31 ARE 210/210/205

BT

PP KGFF

DE BOU 282315Z

THIS IS THE MESSAGE FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SPACE DISTURBANCE FORECAST NUMBER 604B ISSUED AT 2300Z

JULY 28 1967

MAJOR FLARES ARE POSSIBLE DURING THE NEXT 12 HOURS.

A. SMALL FLARES CONTINUE TO OCCUR IN THE REGION NEAR N27W06 BUT THERE HAVE BEEN NO LARGE FLARES. THE RATE OF FLARE PRODUCTION HAS DECLINED SINCE ABOUT 28/1600Z HOWEVER THE RADIO NOISE STORM AT METRIC AND DEKAMETRIC WAVELENGTHS FROM THIS REGION HAS PERSISTED THROUGHOUT THE DAY. NO SIGNIFICANT CHANGES HAVE BEEN REPORTED IN THIS OR ANY OF THE OTHER VISIBLE SOLAR REGIONS. THE SLIGHT GEOMAGNETIC ACTIVITY REPORTED IN SDF604A IS STILL CONTINUING.

B. MAJOR FLARES ARE EXPECTED FROM THE N27W06 REGION AND ARE POSSIBLE FROM SOME OF THE OTHER NORTHEAST REGIONS, HOWEVER SUCH ACTIVITY DOES NOT APPEAR TO BE IMMINENT FROM ANY OF THE REGIONS. GEOMAGNETIC ACTIVITY SHOULD INCREASE SLIGHTLY DURING THE NEXT SEVERAL HOURS.

C. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE THREE DAY PERIOD JULY 29-31 ARE AS FOLLOWS/FIGURES ARE PERCENTAGES FOR EACH OF THE THREE DAYS/

IMPORTANCE ONE OR GREATER 100/100/100

IMPORTANCE TWO OR GREATER 80/80/80

IMPORTANCE THREE OR GREATER 30/30/30

PROTON EVENTS 20/25/25

D. THE OTTAWA 10.7 CM FLUX TODAY IS 207. THE PREDICTED VALUES FOR JULY 29-31 ARE 210/210/205.

E. THE FREDERICKSBURG MAGNETIC A INDEX FOR YESTERDAY WAS 5. TODAY IT WILL BE ABOUT 9. THE PREDICTED AP RANGES FOR JULY 29-31 ARE

30-40/18-25/8-15.