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PP KGFF

DE BOU 270500Z

HERE IS THE MESSAGE FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SPACE DISTURBANCE FORECAST NUMBER 602C ISSUED AT 0500Z

JULY 27, 1967

MAJOR FLARES ARE EXPECTED DURING THE NEXT 12 HOURS.

BT

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PP KGFF

DE BOU 271100Z

HERE IS THE MSG FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SPACE DISTURBANCE FORECAST NUMBER 602D ISSUED 1100Z JULY 27 1967

MAJOR FLARES ARE EXPECTED DURING THE NEXT 12 HOURS.

BT

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SPACE DISTURBANCE FORECAST NUMBER 603A ISSUED AT 1700Z

JULY 27 1967

MAJOR FLARES ARE EXPECTED DURING THE NEXT 12 HOURS

A. THE SUNSPOT GROUP AT N27E11 CONTINUES LARGE AND COMPLEX. IMPORTANT CHANGES HAVE BEEN OBSERVED IN THE FINE STRUCTURE OF THE REGION AND RADIO EMISSION FROM IT HAS INCREASED SINCE YESTERDAY. ONLY MINOR FLARES HAVE BEEN OBSERVED THERE TODAY. MINOR GROWTH IS REPORTED IN THE REGIONS AT N18 E45 N12 E60 AND N19 E70. THE LARGE SPOT GROUP AT N13 E27 REMAINS RELATIVELY STABLE.

B. RECENT CHANGES IN THE N27 E11 REGION INDICATE THAT MAJOR FLARE ACTIVITY MAY BE IMMINENT. OVERALL FLARE ACTIVITY SHOULD INCREASE DURING THE FORECAST PERIOD DUE TO CONTINUED GROWTH IN THE NORTHEASTERN REGIONS AND A REGION RETURNING TO NORTHEAST LIMB JULY 30.

C. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE THREE DAY PERIOD JULY 28-30 ARE AS FOLLOWS /FIGURES ARE

PERCENTAGES FOR EACH OF THE THREE DAYS/

IMPORTANCE ONE OR GREATER 100/100/100

IMPORTANCE TWO OR GREATER 85/90/90

IMPORTANCE THREE OR GREATER 30/30/30

PROTON EVENTS 20/25/25

D. THE OTTAWA 10.7 CM FLUX TODAY IS ESTIMATED TO BE 218.

THE PREDICTED VALUES FOR JULY 28-30 ARE 222-225-228

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SPACE DISTURBANCE FORECAST NUMBER 603B ISSUED AT 2300Z

JULY 27, 1967

MAJOR FLARES ARE EXPECTED DURING THE NEXT 12 HOURS

A. NUMEROUS SMALL FLARES BUT NONE AS LARGE AS IMPORTANCE TWO HAVE BEEN REPORTED TODAY FROM THE REGION NEAR N27E07. THIS REGION APPEARS TO BE THE SOURCE OF MODERATELY INTENSE CONTINUUM AT DECEMETRIC WAVELENGTHS AND A MODERATELY STRONG NOISE STORM AT METRIC RADIO WAVELENGTHS WHICH HAS PERSISTED SINCE BEFORE 1500Z.

B. MAJOR FLARES ARE EXPECTED FROM THE N27E07 REGION.

C. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE THREE DAY PERIOD JULY 28-30 ARE AS FOLLOWS /FIGURES ARE

PERCENTAGES FOR EACH OF THE THREE DAYS/

IMPORTANCE ONE OR GREATER 100/100/100

IMPORTANCE TWO OR GREATER 85/90/90

IMPORTANCE THREE OR GREATER 30/30/30

PROTON EVENTS 20/25/25

D. THE OTTAWA 10.7 CM FLUX TODAY IS 204. THE PREDICTED VALUES FOR JULY 28-30 ARE 208/210/214

E. THE FREDERICKSBURG MAGNETIC A INDEX FOR YESTERDAY WAS 5.

TODAY IT WILL BE ABOUT 04. THE PREDICTED AP RANGES FOR JULY 28-30 ARE 8-15 EACH DAY.

BT