

NNNNUUU

PP KGFF

DE BOU 240500Z

THIS IS THE MESSAGE FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SPACE DISTURBANCE FORECAST NUMBER 599C ISSUED AT 0500Z

JULY 24 1967

MAJOR FLARES EXPECTED DURING THE NEXT 12 HOURS.

BT

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PP KGFF

DE BOU 241100Z

HERE IS THE MSG FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SPACE DISTURBANCE FORECAST NUMBER 599D ISSUED AT 1100Z

JULY 24 1967

MAJOR FLARES ARE EXPECTED DURING THE NEXT 12 HOURS

A POSSIBLE IMPORTANCE 2N FLARE OCCURRED AT 24/0951Z WITHIN THE
REGION AT N10 E65. A MODERATELY STRONG RADIO BURST ACCOMPANIED
THE FLARE FROM 24/0958 TO 24/1001Z. THIS REGION AS WELL AS
THE ONE AT N27 E55 WHICH PRODUCED AN IMPORTANCE 1N FLARE AT
24/0929Z ARE PRESENTLY CAPABLE OF MAJOR FLARE ACTIVITY.

BT

PP KGFF

DE BOU 241720Z

THIS IS THE MESSAGE FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO
SPACE DISTURBANCE FORECAST NUMBER 602A ISSUED AT 1700Z
JULY 24 1967.

MAJOR FLARES ARE EXPECTED DURING THE NEXT 12 HOURS.

A. IMPORTANCE TWO FLARES WERE REPORTED FROM THE REGION
NOW NEAR N12 E63 AT 23/1244Z AND 24/0951Z. BOTH FLARES
WERE ACCOMPANIED BY RADIO NOISE EMISSION. TWO MODERATELY
LARGE SPOT GROUPS IN THIS REGION ARE CLASS/AREA H/310 AND
D/350 AT N13 E63 AND N14 E75 RESPECTIVELY. THE REGION
CONTAINING THE LARGE F/1250 SPOT GROUP NEAR N27 E50
HAS PRODUCED NUMEROUS MINOR FLARES BUT NONE REPORTED AS
LARGE AS IMPORTANCE TWO. AN IMPORTANCE TWO FLARE WAS
REPORTED IN A SMALL REGION NEAR S07 W02 AT 24/1151Z.

B. THE PROBABILITIES FOR MAJOR FLARES REMAIN HIGH AS
THE REGIONS IN THE NORTHEAST QUADRANT CONTINUE TO GROW
IN SIZE AND COMPLEXITY.

C. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE THREE
DAY PERIOD JULY 25-27 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 30/40/40
PROTON EVENTS 25/30/30

D. THE OTTAWA 10.7 CM FLUX TODAY IS ESTIMATED TO BE 170.
THE PREDICTED VALUES FOR JULY 25-27 ARE 176/180/182

RT

PP KGFF

DE BOU 242300Z

THIS IS THE MESSAGE FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SPACE DISTURBANCE FORECAST NUMBER 600B ISSUED AT 2300Z

JULY 24 1967

MAJOR FLARES ARE EXPECTED DURING THE NEXT 12 HOURS.

A. A BRIGHT IMPORTANCE TWO FLARE WAS REPORTED AT 24/2023Z LOCATED AT ABOUT N30 E50. THE FLARE WAS ACCOMPANIED BY MODERATELY STRONG IONOSPHERIC EFFECTS AND RADIO EMISSION. SMALLER FLARES CONTINUE TO BE PRODUCED IN THE REGIONS NEAR N27 E47 AND N15 E65. THE SPOT GROUPS IN THESE REGIONS ARE LARGE AND COMPLEX BUT NO SIGNIFICANT CHANGES HAVE BEEN REPORTED IN THEM TODAY. THE CORRESPONDING PLACES ARE ONLY MODERATELY BRIGHT.

B. BOTH OF THE NORTHEAST QUADRANT-REGIONS ARE EXPECTED TO CONTINUE PRODUCING MAJOR FLARES.

C. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE THREE DAY PERIOD JULY 25-27 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 30/40/40

PROTON EVENTS 25/30/30

D. THE OTTAWA 10.7 CM FLUX TODAY IS 171. THE PREDICTED VALUES FOR JULY 25-27 ARE 176/180/182.

E. THE FREDERICKSBURG MAGNETIC A INDEX FOR YESTERDAY WAS 17. TODAY IT WILL BE ABOUT 9. THE PREDICTED AP RANGES FOR JULY 25-27 ARE 8-16 FOR EACH DAY.