

ESSA/SPACE DISTURBANCE
FORECAST CENTER

AUG 23 04 50 67

NNNNUUU

PP KGFF

DE BOU 230500Z

THIS IS THE MESSAGE FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SDF NUMBER 629C ISSUED 0500Z AUG 23 1967

MAJOR FLARES ARE POSSIBLE DURING THE NEXT 12 HOURS.

BT

NNNNUUU

PP KGFF

DE BOU 231100Z

HERE IS THE MSG FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SDF NUMBER 629D ISSUED AT 1100Z AUGUST 23, 1967

MAJOR FLARES ARE POSSIBLE DURING THE NEXT 12 HOURS

BT

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SDF NUMBER 630A ISSUED 1700Z AUG 23 1967

MAJOR FLARES ARE POSSIBLE DURING THE NEXT 12 HOURS

A. TWO IMPORTANCE ONE FLARES HAVE BEEN REPORTED AT N22E29 AT 0514Z AND 1017Z. THE FLARE AT 0514Z WAS ACCOMPANIED BY STRONG RADIO EMISSION AND MODERATE IONOSPHERIC EFFECTS. THE PLAGE IN THIS REGION IS LARGE AND COMPACT. THE ASSOCIATED SPOT GROUP NOW CONTAINS A DELTA MAGNETIC CONFIGURATION WITH CLASS/AREA OF E/1000. MINOR GROWTH HAS BEEN OBSERVED IN SMALL SPOT GROUPS TO THE NORTH AND SOUTH OF THE LARGE SPOT GROUP. A SMALL NEW REGION HAS FORMED AT S18E33. CONTINUOUS MINOR SURGE ACTIVITY ACCOMPANIES THE WEST LIMB PASSAGE OF THE REGION AT N10.

B. CONTINUED GROWTH AND FINE STRUCTURE IN THE REGION AT N22E29 INDICATES POTENTIAL FOR MAJOR FLARE PRODUCTION DURING THE FORECAST PERIOD. PROTON EMISSION IS LIKELY FROM THESE MAJOR FLARES.

FORECASTS FOR AUGUST 24-26

C. THE DAILY PERCENT PROBABILITIES FOR FLARES AND PROTON EVENTS
IMPORTANCE TWO OR GREATER 70/80/80

IMPORTANCE THREE OR GREATER 20/30/40

PROTON EVENTS 20/30/40

D. OTTAWA 10.7 CM FLUX TODAY ESTIMATED 182. PREDICTED 190/195/197.

BT

PP KGFF

DE BOU 232300Z

THIS IS THE MESSAGE FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SDF NUMBER 630B ISSUED 2300Z AUGUST 23, 1967

MAJOR FLARES ARE POSSIBLE DURING THE NEXT 12 HOURS

A. FREQUENT SUBFLARE ACTIVITY HAS BEEN OBSERVED IN THE SPOT GROUP AT N22 E26. THE SPOT GROUP AT N12 E36 CONTAINS A BETA GAMMA MAGNETIC CONFIGURATION BUT IT HAS NOT PRODUCED ANY FLARE ACTIVITY TODAY. THE NEW REGION AT S18 E27 HAS PRODUCED SEVERAL SUBFLARES THROUGHOUT THE DAY. THE ASSOCIATED SPOT GROUP IS SMALL BUT GROWING.

B. MAJOR FLARES ARE EXPECTED FROM THE REGION AT N22 E26 DURING THE NEXT THREE DAYS. MAGNETIC ACTIVITY OF STORM PROPORTIONS IS POSSIBLE FOLLOWING A MAJOR FLARE.

FORECASTS FOR AUGUST 24-26

C. THE DAILY PERCENT PROBABILITIES FOR FLARES AND PROTON EVENTS
IMPORTANCE TWO OR GREATER 70/80/80

IMPORTANCE THREE OR GREATER 20/30/40

PROTON EVENTS 20/30/40

D. OTTAWA 10.7 CM FLUX TODAY 182. PREDICTED 190/195/197

E. MAGNETIC A-FREDERICKSBURG YESTERDAY 6. TODAY ABOUT 4.

PREDICTED AP 8-12/10-20/15-25

BT