

NNNNUUU

PP KGFF

DE BOU 250500Z

THIS IS THE MESSAGE FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SPACE DISTURBANCE FORECAST NUMBER 600C ISSUED AT 0500Z

JULY 25 1967

MAJOR FLARES EXPECTED DURING THE NEXT 12 HOURS.

BT

NNNNUUU

PP KGFF

DE BOU 251100Z

HERE IS THE MSG FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SPACE DISTURBANCE FORECAST NUMBER 6000 ISSUED AT 1100Z

JULY 25 1967

MAJOR FLARES ARE EXPECTED DURING THE NEXT 12 HOURS.

BT

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SPACE DISTURBANCE FORECAST NUMBER 601A ISSUED AT 1700Z

JULY 25 1967

MAJOR FLARES ARE EXPECTED IN NEXT 12 HOURS

A. AN IMPORTANCE TWO FLARE WAS REPORTED AT 1108Z FROM THE LARGE REGION AT N27 E37. ITS TYPE F SPOT GROUP REMAINS VERY LARGE AND IT HAS DEVELOPED NUMEROUS NEW SPOTS WITHIN ITS PENUMBRA. THE MAGNETIC CONFIGURATION IS REPORTED TO BE SIMPLE BIPOLAR. IMPORTANCE ONE FLARES WERE REPORTED THERE AT 0031Z 0135Z 1320Z 1427Z AND 1624Z. ALL WERE ASSOCIATED WITH RADIO AND IONOSPHERIC EVENTS. ANOTHER IMPORTANCE ONE FLARE OCCURRED AT 0403Z FROM ANOTHER LARGE REGION NEAR N14 E58. THE SUNSPOTS THERE FORM A TYPE F GROUP WITH SYMMETRIC LEADER AND FOLLOWER AND A SIMPLE MAGNETIC CONFIGURATION. A NEW REGION IS NOW VISIBLE AT N10 E55 WITH A SMALL SYMMETRIC SUNSPOT. NO ACTIVITY HAS BEEN REPORTED FROM THIS REGION.

B. MAJOR FLARES ARE LIKELY FROM THE REGION AT N27 E37 AND POSSIBLE FROM THE REGION AT N14 E58.

C. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE THREE DAY PERIOD JULY 26-28 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 20/20/20

D. THE OTTAWA 10.7 CM FLUX TODAY IS ESTIMATED TO BE 174.

THE PREDICTED VALUES FOR JULY 26-28 ARE 184/188/192.

BT

PP KGFF

DE BOU 252300Z

THIS IS THE MESSAGE FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SPACE DISTURBANCE FORECAST NUMBER 601B ISSUED AT 2300Z

JULY 25 1967

MAJOR FLARES ARE POSSIBLE DURING THE NEXT 12 HOURS.

A. TWO IMPORTANCE ONE FLARES HAVE BEEN REPORTED AT 1728Z AND 1837Z FROM THE REGION AT N27E37. THE SPOT GROUP IN THIS REGION CONTINUES TO DEVELOP AND ALL OF THE FLARES REPORTED THERE TODAY HAVE OCCURRED IN THE SAME AREA OF THE SPOT GROUP. NO SIGNIFICANT ACTIVITY OR CHANGES HAVE BEEN REPORTED IN ANY OF THE OTHER REGIONS.

B. MAJOR FLARES ARE EXPECTED FROM THE REGION AT N27E37 AND STILL APPEAR POSSIBLE FROM THE REGION AT N14E54.

C. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE THREE DAY PERIOD JULY 26-28 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 20/20/20

D. THE OTTAWA 10.7 CM FLUX TODAY IS 172. THE PREDICTED VALUES FOR JULY 26-28 ARE 180/184/183.

E. THE FREDERICKSBURG MAGNETIC A INDEX FOR YESTERDAY WAS 7. TODAY IT WILL BE ABOUT 7. THE PREDICTED AP RANGES FOR JULY 26-28 ARE 8-15 EACH DAY.

BT