

PP KGFF

DE BOU 220500Z

THIS IS THE MESSAGE FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SPACE DISTURBANCE FORECAST NUMBER 567C ISSUED AT 0500Z

JUNE 22, 1967.

ONLY MINOR FLARES ARE EXPECTED DURING THE NEXT 12 HOURS.

BT

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PP KGFF

DE BOU 221100Z

THIS IS THE MSG FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SPACE DISTURBANCE FORECAST NUMBER 567D ISSUED AT 1100Z

JUNE 22 1967

ONLY MINOR FLARES ARE EXPECTED DURING THE NEXT 12 HOURS.

BT

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO
SPACE DISTURBANCE FORECAST NUMBER 568A ISSUED AT 1700Z
JUNE 22 1967

MINOR FLARES ARE EXPECTED WITH AN INCREASING PROBABILITY OF
MAJOR FLARES

A. THE SPOT GROUP AND PLAGE AT N18 E44 ARE CONTINUING TO
GROW AND DEVELOP STRUCTURALLY. THE SPOT GROUP IS NOW
REPORTED AS OF MAGNETIC CLASS BETA-GAMMA. MINOR FLARE
ACTIVITY FROM THIS REGION HAS INCREASED SIGNIFICANTLY SINCE
YESTERDAY. A NEW REGION HAS APPEARED AT S22 E58 WITH A
BRIGHT PLAGE AND A SMALL SPOT GROUP. THIS REGION HAS
BEEN MODERATELY ACTIVE FOR ITS SIZE CMMA AND IT IS EXPECTED
TO GROW AND INCREASE IN FLARE PRODUCTION.

B. MAJOR FLARE PROBABILITY IS INCREASING AS THE REGION AT
N18 E44 CONTINUES TO INCREASE IN MINOR FLARE PRODUCTION
AND STRUCTURAL DEVELOPMENT.

C. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE THREE
DAY PERIOD JUNE 23-25 ARE AS FOLLOWS /FIGURES ARE
PERCENTAGES FOR EACH OF THE THREE DAYS/

IMPORTANCE ONE OR GREATER 100/100/100

IMPORTANCE TWO OR GREATER 30/35/35

IMPORTANCE THREE OR GREATER 5/5/5

PROTON EVENTS 3/3/3

D. THE OTTAWA 10.7 CM FLUX TODAY IS ESTIMATED TO BE 125.

THE PREDICTED VALUES FOR JUNE 23-25 ARE 128/131/135

BT

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO
SPACE DISTURBANCE FORECAST NUMBER 568B ISSUED AT 2300Z
JUNE 22 1967.

MINOR FLARES ARE EXPECTED WITH AN INCREASING PROBABILITY
OF MAJOR FLARES.

A. MINOR FLARE ACTIVITY HAS CONTINUED FROM REGIONS AT
N19E41 AND S25E55. MANY OF THESE FLARES HAVE BEEN
ACCOMPANIED BY MINOR RADIO BURSTS AT DECAMETRIC
WAVELENGTHS BUT NO X-RAY ACTIVITY HAS BEEN REPORTED.
NO OTHER SIGNIFICANT CHANGES HAVE BEEN REPORTED IN
THESE REGIONS.

B. MAJOR FLARES WILL BECOME POSSIBLE IF FURTHER
DEVELOPMENTS TAKE PLACE IN THE REGIONS MENTIONED ABOVE
OR IF A REGION DUE TO APPEAR ON JUNE 23 SHOWS MAJOR
FLARE POTENTIAL.

C. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE THREE
DAY PERIOD JUNE 23-25 ARE AS FOLLOWS /FIGURES ARE
PERCENTAGES FOR EACH OF THE THREE DAYS/
IMPORTANCE ONE OR GREATER 100/100/100
IMPORTANCE TWO OR GREATER 30/35/35
IMPORTANCE THREE OR GREATER 5/5/5
PROTON EVENTS 3/3/3

D. THE OTTAWA 10.7 CM FLUX TODAY IS 126. THE PREDICTED
VALUES FOR JUNE 23-25 ARE 128/131/135.

E. THE FREDERICKSBURG MAGNETIC A INDEX FOR YESTERDAY WAS 4.
TODAY IT WILL BE ABOUT 6. THE PREDICTED AP RANGES FOR
JUNE 23-25 ARE UNDER 10/UNDER 10/10-15.

BT