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PP KGFF

DE BOU 180500Z

THIS IS THE MESSAGE FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SPACE DISTURBANCE FORECAST NUMBER 563C ISSUED AT 0500Z

JUNE 18 1967

MAJOR FLARES ARE POSSIBLE BUT NOT LIKELY DURING THE
NEXT 12 HOURS.

THE REGION CENTERED AT N26E55 HAS UNDERGONE AN INCREASE IN FLARE
ACTIVITY SINCE 17/2100Z. FIVE FLARES HAVE BEEN REPORTED SINCE THAT
TIME, INCLUDING TWO PROBABLE IMPORTANCE ONE FLARES, AND A 2B FLARE.
THE 2B FLARE STARTED AT 0119Z, MAXIMIZED AT 0124Z, AND WAS LOCATED
AT N28E62, BETWEEN THE TWO EASTERNMOST SPOT GROUPS IN THE PLAGE.
IONOSPHERIC AND RADIO EFFECTS WERE ONLY MODERATE AND PROTONS ARE NOT
LIKELY. OTHER FLARE PRODUCING PARAMETERS FOR THIS REGION HAVE NOT
INCREASED.

REVISED IMPORTANCE TWO OR GREATER FLARE PROBABILITY FOR JUNE 19-21
ARE 30 PERCENT.

BT

NNNNUUU

PP KGFF

DE BOU 181100Z

HERE IS THE MESSAGE FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SPACE DISTURBANCE FORECAST NUMBER 563D ISSUED AT 1100Z

JUNE 18 1967

MAJOR FLARES ARE POSSIBLE BUT NOT LIKELY DURING THE NEXT 12 HOURS

BT

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO
SPACE DISTURBANCE FORECAST NUMBER 564A ISSUED AT 1700Z
JUNE 18 1967.

FLARES AS LARGE AS IMPORTANCE TWO ARE EXPECTED DURING THE
NEXT 12 HOURS.

A. EIGHT FLARES OF IMPORTANCE ONE OR LARGER HAVE BEEN
REPORTED FROM THE LARGE REGION IN THE NORTHEAST SINCE
17/2141Z. THESE INCLUDE IMPORTANCE TWO FLARES REPORTED
AT 17/2141 18/0118 18/1046 AND 18/1308Z. THE SPOT GROUPS
IN THE REGION ARE ALL RELATIVELY SMALL AND SIMPLE BUT THE
PLAGE IS MODERATELY BRIGHT AND EXTENDS FROM ABOUT E25
TO E75. ONLY MODERATE TO SMALL RADIO EMISSION AND IONOSPHERIC
EFFECTS HAVE BEEN REPORTED WITH THE FLARES OBSERVED SO FAR.

B. CONTINUED PRODUCTION OF IMPORTANCE ONE AND TWO FLARES
IS EXPECTED FROM THE NORTHEAST REGION, PARTICULARLY FROM
THE BRIGHTEST AND MOST STRUCTURED PORTION NOW NEAR N26
E50-60.

C. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE THREE
DAY PERIOD JUNE 19-21 ARE AS FOLLOWS /FIGURES ARE

PERCENTAGES FOR EACH OF THE THREE DAYS/

IMPORTANCE ONE OR GREATER 100/100/100

IMPORTANCE TWO OR GREATER 70/70/70

IMPORTANCE THREE OR GREATER 10/10/10

PROTON EVENTS 5/5/10

D. THE OTTAWA 10.7 CM FLUX TODAY IS ESTIMATED TO BE 111.

THE PREDICTED VALUES FOR JUNE 19-21 ARE 114/116/117.

BT

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO
SPACE DISTURBANCE FORECAST NUMBER 564B ISSUED AT 2300Z
JUNE 18 1967.

MAJOR FLARES ARE POSSIBLE DURING THE NEXT 12 HOURS.

A. MINOR FLARES CONTINUE TO BE PRODUCED IN THE NORTHEAST QUADRANT BUT NO ADDITIONAL IMPORTANCE TWO FLARES HAVE BEEN REPORTED SINCE THOSE DISCUSSED IN SDF 564A. OF THE FOUR POSSIBLE IMPORTANCE TWO FLARES REPORTED IN SDF564A ONLY THE 18/0118Z FLARE HAS BEEN CONFIRMED AS IMPORTANCE TWO BY ADDITIONAL OBSERVATORIES. THE OTHERS HAVE ALSO BEEN REPORTED AS IMPORTANCE ONE. NO SIGNIFICANT CHANGES HAVE BEEN REPORTED IN THE LARGE NORTHEASTERN REGION. EAST LIMB PROMINENCE ACTIVITY INDICATES THE POSSIBLE EXISTENCE OF ANOTHER REGION BEYOND THE LIMB.

B. MINOR FLARES ARE EXPECTED AND MAJOR FLARES ARE POSSIBLE FROM THE NORTHEAST REGION.

C. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE THREE DAY PERIOD JUNE 19-21 ARE AS FOLLOWS /FIGURES ARE PERCENTAGES FOR EACH OF THE THREE DAYS/
IMPORTANCE ONE OR GREATER 100/100/100
IMPORTANCE TWO OR GREATER 60/60/60
IMPORTANCE THREE OR GREATER 10/10/10
PROTON EVENTS P 05/05/05

D. THE OTTAWA 10.7 CM FLUX TODAY IS 112 THE PREDICTED VALUES FOR JUNE 19-21 ARE 115/117/118

E. THE FREDERICKSBURG MAGNETIC A INDEX FOR YESTERDAY WAS 10. TODAY IT WILL BE ABOUT 2. THE PREDICTED AP RANGES FOR JUNE 19-21 ARE ALL UNDER 10.