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P KOFF

DE BOU 040500Z

THIS IS THE MESSAGE FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SPACE DISTURBANCE FORECAST NUMBER 549C ISSUED AT 0500Z

JUNE 04 1967

MAJOR FLARES ARE POSSIBLE DURING NEXT 12 HOURS.

MAGNETIC OBSERVATIONS AT 03/2330Z INDICATE A DELTA CONFIGURATION

AT N23 W10 WHICH MAY PRODUCE MAJOR FLARES.

BT

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PP KGFF

DE BOU 041100Z

HERE IS THE MESSAGE FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SPACE DISTURBANCE FORECAST NUMBER 549D ISSUED AT 1100Z

JUNE 4 1967.

MAJOR FLARES ARE POSSIBLE DURING THE NEXT 12 HOURS.

BT

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SPACE DISTURBANCE FORECAST NUMBER 550A ISSUED 1700Z

JUNE 4 1967.

MAJOR FLARES ARE POSSIBLE DURING THE NEXT 12 HOURS

A. A LARGE IMPORTANCE ONE FLARE/ POSSIBLE IMPORTANCE TWO/  
OCCURRED AT ABOUT 0753Z IN THE REGION NEAR S17 W40. AN ADDI-  
TIONAL IMPORTANCE ONE FLARE WAS REPORTED FROM THIS REGION AT  
ABOUT 1008Z. THIS REGION CONTAINS A RATHER SMALL AND UNINTER-  
ESTING SPOT CLUSTER BUT THE PLAGE/ MODERATELY BRIGHT/ IS THE  
BRIGHTEST ON THE DISK. THE CLUSTER OF SPOT GROUPS IN THE LARGE  
REGION CENTERED AT N26 W10 CONTINUES TO GROW PARTICULARLY IN THE  
LEADING PORTION. BY INFERENCE FROM YESTERDAYS OBSERVATIONS A  
DELTA CONFIGURATION STILL EXISTS NEAR THE CENTER OF THE REGION  
AND IT APPEARS TO BE STRENGTHENING GRADUALLY. THE PLAGE IS  
BRIGHTEST NEAR THE DELTA CONFIGURATION. THIS REGION PRODUCED  
AN IMPORTANCE ONE FLARE AT ABOUT 0000Z.

B. THE NORTH CENTRAL REGION IS EXPECTED TO PRODUCE MAJOR FLARE  
ACTIVITY BEFORE WEST LINE PASSAGE ~~HOW~~EVER SO FAR IT HAS BEEN  
A POOR FLARE PRODUCER. THE FLARE HISTORY OF THE S17 W40 REGION  
INDICATES THAT FLARES AS LARGE AS IMPORTANCE TWO ARE POSSIBLE  
FROM IT.

C. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE  
THREE DAY PERIOD JUNE 5-7 ARE AS FOLLOWS /FIGURES ARE  
PERCENTAGES FOR EACH OF THE THREE DAYS/  
IMPORTANCE ONE OR GREATER 100/100/100  
IMPORTANCE TWO OR GREATER 40/40/40  
IMPORTANCE THREE OR GREATER 10/10/10  
PROTON EVENTS 10/10/10

D. THE OTTAWA 10.7 CM FLUX TODAY IS ESTIMATED TO BE 141.

THE PREDICTED VALUES FOR JUNE 5-7 ARE 137/135/134.

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SPACE DISTURBANCE FORECAST NUMBER 550B ISSUED AT 2300Z

JUNE 4 1967

MAJOR FLARES ARE POSSIBLE DURING THE NEXT 12 HOURS.

A. NO SIGNIFICANT SOLAR ACTIVITY HAS BEEN REPORTED SINCE THE POSSIBLE IMPORTANCE TWO FLARE AT ABOUT 04/0753Z. VISUAL SOLAR OBSERVATIONS TODAY HAVE BEEN HAMPERED BY WEATHER CONDITIONS BUT INDIRECT EVIDENCE /IONOSPHERIC AND RADIO EMISSION/ CONFIRMS THAT NO MAJOR ACTIVITY HAS OCCURRED. THE REGION AT N26 W15 IS NOW KNOWN TO POSSESS A MODERATELY STRONG DELTA CONFIGURATION IN ITS CENTRAL PORTION AND THE PLAGE IS BRIGHTEST NORTH AND EAST OF THE DELTA. THIS PLAGE HOWEVER IS NOT UNUSUALLY BRIGHT AND DOES NOT APPEAR TO BE PARTICULARLY ACTIVE. THE REGION IS BRIGHT AT 9.1 CM AND 3.2 MM WAVELENGTHS.

B. MAJOR FLARES ARE POSSIBLE FROM THE N26 W15 REGION BUT THEY DO NOT APPEAR TO BE IMMINENT.

C. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE THREE DAY PERIOD JUNE 5-7 ARE AS FOLLOWS /FIGURES ARE PERCENTAGES FOR EACH OF THE THREE DAYS/

IMPORTANCE ONE OR GREATER 100/100/100

IMPORTANCE TWO OR GREATER 40/40/40

IMPORTANCE THREE OR GREATER 10/10/10

PROTON EVENTS 10/10/10

D. THE OTTAWA 10.7 CM FLUX TODAY IS 147. THE PREDICTED VALUES FOR JUNE 5-7 ARE 140/137/136

E. THE FREDERICKSBURG MAGNETIC A INDEX FOR YESTERDAY WAS 8. TODAY IT WILL BE ABOUT 8. THE AP RANGES FOR THE THREE DAY PERIOD JUNE 5-7 ARE UNDER 10 FOR EACH OF THE THREE DAYS.

BT