

NNNNUUU

PP KGFF

EBOU 030500Z

THIS IS THE MESSAGE FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SPACE DISTURBANCE FORECAST NUMBER 548C ISSUED AT 0500Z

JUNE 03 1967

MAJOR FLARES POSSIBLE DURING THE NEXT 12 HOURS.

BT

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DE BOU 031100Z

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SPACE DISTURBANCE FORECAST NUMBER 548D ISSUED AT 1100Z

JUNE 3, 1967

MAJOR FLARES ARE POSSIBLE DURING THE NEXT 12 HOURS.

AN IMPORTANCE TWO NORMAL FLARE OCCURED AT 0805Z AT S18W20.

A POSSIBLE BUT UNCONFIRMED MAJOR FLARE OCCURED AT 0548Z FROM

A REGION NOW AT N23E10.

BT

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SPACE DISTURBANCE FORECAST NUMBER 549A ISSUED AT 1700Z

JUNE 3 1967

MAJOR FLARES ARE POSSIBLE DURING THE NEXT 12 HOURS.

A. THE CLUSTER OF THREE SUNSPOT GROUPS NOW AT N23W05 N28E06 AND N23E07 REMAINS COMPLEX AND HAS PRODUCED TWO IMPORTANCE ONE FLARES TODAY AT 0240Z AND 0316Z. BOTH OF THESE FLARES WERE ACCOMPANIED BY MODERATE IONOSPHERIC AND RADIO EFFECTS INCLUDING A TENFLARE AT 0240Z REPORTED BY TOYOKAWA. IONOSPHERIC AND RADIO EFFECTS BEGINNING ABOUT 0545Z INDICATE A FLARE OF APPROXIMATELY IMPORTANCE ONE OCCURRED BUT THERE HAS BEEN NO OPTICAL REPORT OF IT AS YET. AN IMPORTANCE 2N FLARE WAS REPORTED FROM THE REGION AT S18W20 BUT IT DID NOT PRODUCE ANY ASSOCIATED EFFECTS. THE SPOT GROUP THERE HAS DECEASED IN AREA AND IT DOES NOT APPEAR TO BE A LIKELY SOURCE OF FURTHER MAJOR FLARES.

B. MAJOR FLARES ARE EXPECTED FROM THE NORTH CENTRAL CLUSTER OF REGIONS BUT NOT AT A FREQUENT RATE.

C. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE THREE DAY PERIOD JUNE 4-6 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 148.

THE PREDICTED VALUES FOR JUNE 4-6 ARE 143/138/135.

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO
SPACE DISTURBANCE FORECAST NUMBER 549B ISSUED AT 2300Z
JUNE 3 1967

MAJOR FLARES ARE POSSIBLE DURING THE NEXT 12 HOURS

A. A BRILLIANT LIMB FLARE AT 2010Z AND A LOOP TYPE PROMI-
NENCE WAS REPORTED AT N10 W LIMB. IT WAS ASSOCIATED WITH
THE REGION WHICH WAS AT N10 W80 YESTERDAY. NO OTHER ACTIVITY
HAS BEEN REPORTED SINCE THE 1700Z FORECAST.

B. MAJOR FLARES ARE STILL POSSIBLE FROM THE CLUSTER OF RE-
GIONS AT N23 W05 CMMA N28 E06 AND N23 E07. THERE HAVE
BEEN NO OBSERVATIONS TO DETERMINE IF THE DELTA CONFIGURA-
TIONS REPORTED IN THESE REGIONS YESTERDAY REMAIN THERE TODAY.

C. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE
THREE DAY PERIOD JUNE 4-6 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 146. THE PREDICTED
VALUES FOR JUNE 4-6 ARE 141/137/135

E. THE FREDERICKSBURG MAGNETIC A INDEX FOR YESTERDAY WAS 10.
TODAY IT WILL BE ABOUT 7. THE PREDICTED AP RANGES FOR
JUNE 4-6 UNDER 10 FOR EACH OF THE NEXT THREE DAYS.

BT