

UUV

PP KGFF

DE BOU 180500Z

THIS IS THE MESSAGE FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SPACE DISTURBANCE FORECAST NUMBER 532C ISSUED AT 0500Z

MAY 18 1967

DURING THE NEXT 12 HOURS ONLY MINOR FLARES ARE EXPECTED.

BT

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PP KGFF

DE BOU 181100Z

THIS IS THE MSG FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SPACE DISTURBANCE FORECAST NUMBER 532D ISSUED AT 1100Z

MAY 18 1967

ONLY MINOR FLARES ARE EXPECTED DURING THE NEXT 12 HOURS.

ACTIVITY EXISTS AT N24E LIMB. A LOOP PROMINENCE WAS OBSERVED

HERE FROM 0400-0510Z WITH ITS BASE OVER THE LIMB. AN IMPORTANT

TWO SURGE OCCURED HERE FROM 0300-0345Z AND WAS ACCOMPANIED BY

A RADIO BURST AND IONOSPHERIC EFFECTS. THE PLAGE HAS BEEN

REPORTED AS BRIGHT AND FLUCTUATING AND ONE SPOT IS VISIBLE VER

NEAR THE LIMB.

BT

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO
SPACE DISTURBANCE FORECAST NUMBER 533A ISSUED AT 1700Z
MAY 18 1967

ONLY MINOR FLARES ARE EXPECTED DURING THE NEXT 12 HOURS.

A. A MODERATELY BRIGHT PLAGE HAS ROTATED ONTO THE EAST LIMB AT N26. IT IS ASSOCIATED WITH A SPOT GROUP AT N24E78 WHICH APPEARS TO BE J/ABOUT 100. LIMB PROMINENCE ACTIVITY CONTINUES IN THE VICINITY OF THE REGION INCLUDING POSSIBLE LOOPS OBSERVED AT ABOUT 0400Z BY MANILA. AN IMPORTANCE ONE FLARE AT 0539Z WAS REPORTED NEAR THE LOCATION OF THE ENHANCED 3.2 MM SOURCE DISCUSSED IN SDF 532B. NO SPOT IS VISIBLE NEAR THERE AND THE PLAGE IS RELATIVELY FAINT. 9.1 CM EMISSION IS SLIGHTLY ENHANCED AT THE SOUTHEAST LIMB. THE REMAINING DISK REGIONS APPEAR TO BE STABLE.

*no prominence
2/18/67*

BT NOJORIKENYEMANDRPDBSRESE

ARE EXPECTED FROM THE NORTHEAST LIMB REGION. THE PLAGE THERE EXTENDS OVER THE LIMB AND MORE OF THE REGION SHOULD APPEAR OVER THE NEXT SEVERAL HOURS. A REGION SHOULD ROTATE ONTO THE SOUTHEAST LIMB.

C. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE THREE DAY PERIOD MAY 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 10/15/15

IMPORTANCE THREE OR GREATER 3/3/3

PROTON EVENTS 2/2/3

D. THE OTTAWA 10.7 CM FLUX TODAY IS ESTIMATED TO BE 123.

THE PREDICTED VALUES FOR MAY 19-21 ARE 128/132/135.

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO
SPACE DISTURBANCE FORECAST NUMBER 533B ISSUED AT 2300Z
MAY 18 1967

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

A. AN IMPORTANCE ONE FLARE AT 1855Z OCCURRED AT ABOUT S15
W17. BETWEEN 1831Z AND 1835Z IONOSPHERIC EFFECTS AND SOLAR
RADIO EMISSION INDICATED THE OCCURRENCE OF A FLARE HOWEVER
THESE EARLIER TIMES WERE NOT CONFIRMED BY VISUAL OBSERVATIONS
CMMA POSSIBLY BECAUSE OF VARIABLE WEATHER CONDITIONS.

MODERATE CONTINUUM RADIO EMISSION BEGAN AT 1845Z
FOLLOWED BY MODERATELY STRONG TYPE IV FROM 1910 TO ABOUT
2030Z. THE REGION AT N24 E79 PRODUCED AN IMPORTANCE
ONE FLARE AT 1935Z WHICH WAS ASSOCIATED WITH A BRIGHT SURGE
AND POSSIBLE LOOPS. THE SPOT GROUP AT N26 E79 NOW
APPEARS TO BE C/110.

B. THE PROBABILITY FOR MAJOR FLARES REMAINS LOW BUT
IS INCREASING WITH IMPROVED KNOWLEDGE OF THE EAST LIMB
REGIONS.

C. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE
~~PERCENTAGE~~ ~~PERCENTAGE~~ ~~PERCENTAGE~~ ~~PERCENTAGE~~ ~~PERCENTAGE~~ /FIGURES ARE
IMPORTANCE ONE OR GREATER 100/100/100
IMPORTANCE TWO OR GREATER 15/20/20
IMPORTANCE THREE OR GREATER 3/3/3
PROTON EVENTS 2/2/3

D. THE OTTAWA 10.7 CM FLUX TODAY IS 122. THE PREDICTED
VALUES FOR MAY 19-21 ARE 128/132/135

E. THE FREDERICKSBURG MAGNETIC A INDEX FOR YESTERDAY WAS 12.
TODAY IT WILL BE ABOUT 8. AP VALUES FOR MAY 19-21
ARE PREDICTED TO BE IN THE RANGE 6-12