

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO.

SPACE DISTURBANCE FORECAST NUMBER 612C ISSUED AT 0500Z

AUG 6 1967

ONLY MINOR FLARES ARE EXPECTED DURING THE NEXT 12 HOURS, HOWEVER
THE POSSIBILITY OF MAJOR FLARES OCCURRING IS INCREASING.

BT

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SPACE DISTURBANCE FORECAST NUMBER 612D ISSUED AT 1100Z

AUGUST 06, 1967

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

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UNCLAS FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO
SPACE DISTURBANCE FORECAST NUMBER 613A ISSUED AT 1700Z

AUGUST 1967

MAJOR FLARES ARE POSSIBLE BUT UNLIKELY DURING THE NEXT 12 HOURS

A. THE SOLAR ACTIVE REGION NOW AT N19 E44 CONTINUES TO GROW IN SIZE AND COMPLEXITY. ITS SUNSPOT GROUP IS NOW AREA 550 MILLIONTHS AND THERE IS A POSSIBLE DELTA MAGNETIC CONFIGURATION. THE ONLY SIGNIFICANT FLARE SO FAR TODAY FROM THIS LOCATION IS A POSSIBLE IMPORTANCE ONE AT 0210Z. AN IMPORTANCE ONE FLARE OCCURRED AT 1434Z IN ANOTHER LARGE SUNSPOT GROUP NOW AT S24 E72. THE EVENT WAS ACCOMPANIED BY MODERATE IONOSPHERIC EFFECTS AND MINOR RADIO EMISSION. THIS REGION IS MORE SIMPLY STRUCTURE THAN THE NE REGION. THE SPOT GROUP AND PLAGE AT S28 W46 HAVE GROWN SLIGHTLY BUT REMAIN UNCOMPLICATED. INTERMITTENT LOOP PROMINENCE ACTIVITY AT SE LIMB INDICATES AN IMPORTANT REGION IS FOLLOWING THE LARGE SUNSPOT GROUP NOW VISIBLE NEAR THERE. ALL OTHER REGIONS VISIBLE ARE SMALL AND INACTIVE.

B. IMPORTANCE ONE FLARES ARE EXPECTED FROM NE SE AND SW REGIONS. MAJOR FLARE POTENTIAL CONTINUES TO INCREASE IN THE NE AND MAJOR FLARES MAY BE POSSIBLE FROM THE REGION JUST BEYOND SE LIMB. THE NE REGION IS NOT IN HELIOGRAPHIC COORDINATES FAVORABLE FOR PROTON EMISSION BUT IT POSSESSES SOME OF THE PROTON REGION CHARACTERISTICS.

C. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE THREE DAY PERIOD AUG 7-9 ARE AS FOLLOWS/FIGURES ARE PERCENTAGES

FOR EACH OF THE THREE DAYS/

IMPORTANCE ONE OR GREATER 100/100/100

IMPORTANCE TWO OR GREATER 25/25/25

IMPORTANCE THREE OR GREATER 5/5/5

PROTON EVENTS 5/5/5

D. THE OTTAWA 10.7 CM FLUX TODAY IS 150. THE PREDICTED

VALUES FOR AUG 7-9 ARE 160/165/170.

BT

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO
SPACE DISTURBANCE FORECAST NUMBER 613B ISSUED AT 2300Z
AUG 06 1967

MAJOR FLARES ARE POSSIBLE BUT UNLIKELY DURING THE NEXT
12 HOURS.

A. NO SIGNIFICANT FLARE ACTIVITY HAS OCCURRED SINCE THE 1700Z
FORECAST. THERE IS SOME INDICATION THAT THE SUNSPOT EVOLUTION
IN THE REGION NOW AT N19 E40 IS MAKING THE REGION LESS COMPLEX.
NO SIGNIFICANT CHANGES HAVE BEEN REPORTED IN THE OTHER ACTIVE
CENTERS.

B. MINOR FLARES ARE EXPECTED FROM NE SE AND SW REGIONS. IN VIEW
OF THE INFREQUENT MINOR FLARES FROM THE REGIONS NOW VISIBLE MAJOR
FLARES MAY BE LESS LIKELY THAN FORMERLY EXPECTED.

C. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE THREE
DAY PERIOD AUG 7-9 ARE AS FOLLOWS /FIGURES ARE PERCENTAGES FOR
EACH OF THE THREE DAYS/

IMPORTANCE ONE OR GREATER 100/100/100

IMPORTANCE TWO OR GREATER 20/20/20

IMPORTANCE THREE OR GREATER 2/2/2

PROTON EVENTS 2/2/2

D. THE OTTAWA 10.7 CM FLUX TODAY IS 151. THE PREDICTED VALUES FOR
AUG 7-9 ARE 160/165/170.

E. THE FREDERICKSBURG MAGNETIC A INDEX FOR YESTERDAY WAS 9. TODAY
IT WILL BE ABOUT 6. THE PREDICTED AP RANGES FOR AUG 7-9 ARE
10-20/UNDER 10/UNDER 10.

BT