

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SPACE DISTURBANCE FORECAST NUMBER 611C ISSUED AT 0500Z

AUG 05 1967

ONLY MINOR FLARES ARE EXPECTED DURING THE NEXT 12 HOURS.

BT

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO
SPACE DISTURBANCE FORECAST NUMBER 611D ISSUED AT 1100Z
AUGUST 05, 1967

ONLY MINOR FLARES ARE EXPECTED DURING THE NEXT 12 HOURS.

BT

UNCLAS FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO
SPACE DISTURBANCE FORECAST NUMBER 612A ISSUED AT 1700Z
AUGUST 1967

MINOR FLARES EXPECTED WITH INCREASING POTENTIAL FOR
MAJOR FLARES DURING THE NEXT 12 HOURS

- A. CONTRARY TO EXPECTATIONS THE GENERAL LEVEL OF SOLAR
ACTIVITY IS SLIGHTLY HIGHER THAN YESTERDAY DUE TO THE
APPEARANCE OF TWO IMPORTANT NEW REGIONS AND SIGNIFICANT
GROWTH IN TWO REGIONS PREVIOUSLY OBSERVED. THE SUNSPOT
GROUP NOW AT N19 E56 HAS TRIPLED IN AREA TO A CLASS E WITH
AREA 390 MILLIONTHS AND COMPLEX STRUCTURE. ITS ASSOCIATED
PLAGE REMAINS BRIGHT AND COMPACT. GROWTH AND INCREASED COM-
PLEXITY HAVE OCCURRED TO A LESSER BUT SIGNIFICANT EXTENT IN
THE SPOT GROUP AT S28 W33. NO FLARES HAVE BEEN REPORTED
FROM EITHER REGION TODAY. A SMALL TYPE D GROUP IN A BRIGHT
PLAGE HAS APPEARED AT N25 E80 AND A LARGE SYMMETRIC SUNSPOT
HAS APPEARED AT S23 E86. MINOR GROWTH HAS OCCURRED IN A SMALL
REGION AT N20 E06. THE REGIONS IN THE NW ARE STABLE WITH
SLOWLY DECLINING SPOT GROUPS.
- B. FLARES AS LARGE AS IMPORTANCE ONE ARE EXPECTED FROM THE
REGIONS IN THE NE AND SW WITH INCREASING POTENTIAL FOR MAJOR
FLARES EXPECTED IN THE NE DURING THE FORECAST PERIOD.
- C. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE THREE
DAY PERIOD AUG 6-8 ARE AS FOLLOWS/FIGURES ARE PERCENTAGES
FOR EACH OF THE THREE DAYS/
IMPORTANCE ONE OR GREATER 100/100/100
IMPORTANCE TWO OR GREATER 15/25/30
IMPORTANCE THREE OR GREATER 1/2/5
PROTON EVENTS 1/1/1
- D. THE OTTAWA 10.7 CM FLUX TODAY IS 155. THE PREDICTED
VALUES FOR AUG 6-8 ARE 160/164/166.

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO
SPACE DISTURBANCE FORECAST NUMBER 612B ISSUED AT 2300Z
AUG 05 1967

MINOR FLARES ARE EXPECTED WITH INCREASING POTENTIAL FOR
MAJOR FLARES DURING THE NEXT 12 HOURS.

A. AN IMPORTANCE ONE BRIGHT FLARE OCCURRED AT 1807Z TODAY IN THE
DEVELOPING REGION NOW AT N19 E52. THE FLARE WAS ACCOMPANIED BY
STRONG X-RAY EMISSION BUT WEAK RADIO EMISSION. THE SPOTS IN THIS
LOCATION HAVE GROWN SLIGHTLY AND SHOW IMPORTANT STRUCTURAL CHANGES
SINCE 1600Z. THE PLAGE REMAINS BRIGHT. A LARGE FOLLOWER SPOT AND
BRIGHT FACULAE IS NOW VISIBLE ASSOCIATED WITH THE LARGE SYMMETRIC
LEADER SPOT AT S23 E86. THE AREA OF THIS GROUP IS NOW AT LEAST 500
MILLIONTHS. MINOR GROWTH SINCE 1600Z IS APPARENT IN THE SPOT GROUPS
AT S28W37 AND N20 E02. THE NW REGIONS CONTINUE RELATIVELY UNCHANGED.

B. FLARES AS LARGE AS IMPORTANCE ONE ARE EXPECTED FROM THE NE SE AND
SW REGIONS. MAJOR FLARES SHOULD BE POSSIBLE FROM THE NE BY THE END
OF THE FORECAST PERIOD.

C. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE THREE DAY
PERIOD AUG 6-8 ARE AS FOLLOWS /FIGURES ARE PERCENTAGES FOR EACH OF
THE THREE DAYS/

IMPORTANCE ONE OR GREATER 100/100/100

IMPORTANCE TWO OR GREATER 20/25/30

IMPORTANCE THREE OR GREATER 1/2/5

PROTON EVENTS 1/2/2

D. THE OTTAWA 10.7 CM FLUX TODAY IS 155. THE PREDICTED VALUES FOR
AUG 6-8 ARE 165/170/173.

E. THE FREDERICKSBURG MAGNETIC A INDEX FOR YESTERDAY WAS 9. TODAY
IT SHOULD BE ABOUT 8. THE PREDICTED AP RANGES FOR AUG 6-8 ARE
UNDER 10/10-20/UNDER 10.

BT