

NNNNUUV

PP KGFF

DE BOU 230500Z

THIS IS THE MESSAGE FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SPACE DISTURBANCE FORECAST NUMBER 568C ISSUED AT 0500Z

JUNE 23 1967.

MAJOR FLARES ARE POSSIBLE BUT NOT EXPECTED DURING THE

NEXT 12 HOURS.

BT

NNNNUUV

PP KGFF

DE BOU 231100Z

THIS IS THE MSG FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SPACE DISTURBANCE FORECAST NUMBER 568D ISSUED AT 1100Z

JUNE 23 1967

MINOR FLARES ARE EXPECTED WITH AN INCREASING PROBABILITY FOR
MAJOR FLARES.

BT

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO
SPACE DISTURBANCE FORECAST NUMBER 569A ISSUED AT 1700Z
JUNE 23 1967

MAJOR FLARES ARE POSSIBLE NEXT 12 HOURS.

A. NINE IMPORTANCE ONE FLARES YESTERDAY AND TWO TODAY HAVE BEEN REPORTED IN THE DEVELOPING LARGE REGION AT N19 E33. THE REGION POSSESSES A CLASS E SPOT GROUP OF NEARLY 500 MILLIONTHS AREA WITH SLIGHTLY COMPLICATED MAGNETIC STRUCTURE. ITS POSITION LIES IN HELIOGRAPHIC LONGITUDES FAVORABLE FOR PROTON FLARE PRODUCTION. SLOW GROWTH AND SUBFLARE ACTIVITY CONTINUES IN A SMALL REGION AT S24 E45. MODERATE GREEN CORONA AT NE LIMB INDICATED THE RETURN OF A REGION WHICH WAS DECAYING AT ITS WEST LIMB PASSAGE. ALL REGIONS FROM CENTRAL MERIDIAN WEST ARE DECAYING AND INACTIVE.

B. THE POTENTIAL FOR MAJOR FLARES IS INCREASING IN THE LARGE NE REGION. THE GENERAL LEVEL OF SOLAR ACTIVITY SHOULD INCREASE ONLY SLIGHTLY AS SLOW GROWTH AND EAST LIMB RETURNS ARE BALANCED BY DECLINING REGIONS ELSEWHERE ON THE DISK OF THE SUN.

C. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE THREE DAY PERIOD JUNE 24-26 ARE AS FOLLOWS /FIGURES ARE PERCENTAGES FOR EACH OF THE THREE DAYS/
IMPORTANCE ONE OR GREATER 100/100/100
IMPORTANCE TWO OR GREATER 30/40/50
IMPORTANCE THREE OR GREATER 5/5/5
PROTON EVENTS 2/2/2

D. THE OTTAWA 10.7 CM FLUX TODAY IS ESTIMATED TO BE 125. THE PREDICTED VALUES FOR JUNE 24-26 ARE 126/128/130

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO
SPACE DISTURBANCE FORECAST NUMBER 569B ISSUED AT 2300Z
JUNE 23 1967.

MAJOR FLARES POSSIBLE NEXT 12 HOURS.

A. IMPORTANCE ONE FLARES AT 1856Z AND 1932Z WITH MODERATE TO STRONG RADIO BURSTS OCCURRED IN THE LARGE REGION NEAR N19 E29. THE FLARES WERE LOCATED IN HIGH MAGNETIC FIELD GRADIENT PORTIONS OF THE REGION WHERE THE FIELD CONFIGURATION IS MOST COMPLEX. X-RAY EMISSION WAS WEAK.

B. MAJOR FLARES ARE LIKELY FROM THE ABOVE REGION IF THE REGION CONTINUES TO DEVELOP. GENERAL SOLAR ACTIVITY MAY INCREASE ONLY SLIGHTLY AS DECLINING REGIONS IN THE WEST OFFSET THE SLOW GROWTH IN EASTERN REGIONS.

C. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE THREE DAY PERIOD JUNE 24-26 ARE AS FOLLOWS /FIGURES ARE PERCENTAGES FOR EACH OF THE THREE DAYS/
IMPORTANCE ONE OR GREATER 100/100/100
IMPORTANCE TWO OR GREATER 30/40/50
IMPORTANCE THREE OR GREATER 5/5/5.
PROTON EVENTS 2/2/2

D. THE OTTAWA 10.7 CM FLUX TODAY IS 125. THE PREDICTED VALUES FOR JUNE 24-26 ARE 126/128/130.

E. THE FREDERICKSBURG MAGNETIC A INDEX FOR YESTERDAY WAS 6. TODAY IT WILL BE ABOUT 1. THE PREDICTED AP RANGES FOR JUNE 24-26 ARE UNDER 10/10-15/10-15.

BT