

NNNNUUUV

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

NNNNUUU

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