

NNNNUUUV

PP KGFF

DE BOU 240500Z

THIS IS THE MESSAGE FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SPACE DISTURBANCE FORECAST NUMBER 569C ISSUED AT 0500Z

JUNE 24 1967

DURING THE NEXT 12 HRS MAJOR FLARES ARE POSSIBLE BUT NOT EXPECTED.

BT

NMNNZCZCANNNUUV

RR KGFF

DE BOU 241100Z

THIS IS THE MESSAGE FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLORADO

SPACE DISTURBANCE FORECAST NUMBER 569D ISSUED AT 1100Z

JUNE 24 1967

ONLY MINOR FLARES ARE EXPECTED DURING THE NEXT 12 HOURS.

BT

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO
SPACE DISTURBANCE FORECAST NUMBER 570A ISSUED 1700Z
JUNE 24 1967.

MAJOR FLARES POSSIBLE DURING NEXT 12 HOURS

A. NO SIGNIFICANT CHANGE IS REPORTED IN THE LARGE REGION NOW AT N19 E17 BUT IT CONTINUES TO PRODUCE NUMEROUS SUBFLARES AND IT PRODUCED AN IMPORTANCE ONE FLARE AT 1243Z TODAY. CONTINUED GROWTH IS REPORTED IN A REGION AT S24 E22 WHICH NOW CONTAINS A TYPE D SPOT GROUP OF 200 MILLIONTHS AREA. A LARGE SYMMETRICAL SUNSPOT AT N25 E77 MARKS AN EXPECTED RETURNING REGION. ALL REGIONS WEST OF THE CENTRAL MERIDIAN ARE DIMINISHING.

B. THE FREQUENT MINOR ACTIVITY IN THE LARGE NORTH-CENTRAL REGION INDICATED POTENTIAL FOR MAJOR FLARES STILL EXISTS. THE REGION LACKS THE STRUCTURE NECESSARY FOR PROTON FLARE PRODUCTION AT THIS TIME. GENERAL SOLAR ACTIVITY SHOULD CONTINUE A SLOW RISE WITH CONTINUED SLOW GROWTH OF REGIONS IN THE NE AND SE AND WITH THE ROTATION ONTO THE DISK OF THE RETURNING REGION AT NE LIMB.

C. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE THREE DAY PERIOD JUNE 25-27 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 5/5/5

PROTON EVENTS 2/2/2

D. THE OTTAWA 10.7 CM FLUX TODAY IS ESTIMATED TO BE 130.
THE PREDICTED VALUES FOR JUNE 25-27 ARE 134/136/137.

BT

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO
SPACE DISTURBANCE FORECAST NUMBER 570B ISSUED AT 2300Z
JUNE 24 1967.

MAJOR FLARES POSSIBLE BUT UNLIKELY DURING NEXT 12 HOURS

A. NO SIGNIFICANT SOLAR ACTIVITY HAS BEEN REPORTED SINCE
1700Z. FREQUENT MINOR RADIO BURSTS INDICATE THAT SOME
FLARE POTENTIAL MAY STILL EXIST IN THE LARGE REGION NOW
AT N19 E14. THE SPOT GROUP THERE HAS NOT INCREASED SINCE
YESTERDAY, BUT THE STRUCTURE OF THE SPOTS REMAINS SLIGHTLY
COMPLEX. THE REGION ASSOCIATED WITH THE LARGE SYMMETRIC
SUNSPOT AT N23 E78 APPEARS TO BE RELATIVELY SMALL AND
FAINT.

B. THE DEC

EASE IN FLARE ACTIVITY AND THE CEASATION OF
SPOT GROWTH IN THE NORTH-CENTRAL REGION DURING THE PAST
DAY MAY INDICATE THAT MAJOR FLARE POTENTIAL IS DECREASING.
MINOR ACTIVITY IS LIKELY FROM THIS REGION AND FROM THE REGIONS
AT S24 E30 AND N23 E LIMB.

C. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE THREE
DAY PERIOD JUNE 25-27 ARE AS FOLLOWS /FIGURES ARE

PERCENTAGES FOR EACH OF THE THREE DAYS/

IMPORTANCE ONE OR GREATER 100/100/100

IMPORTANCE TWO OR GREATER 20/20/15

IMPORTANCE THREE OR GREATER 5/5/3

PROTON EVENTS 2/2/2

D. THE OTTAWA 10.7 CM FLUX TODAY IS 128. THE PREDICTED
VALUES FOR JUNE 25-27 ARE 132/132/132.

E. THE FREDERICKSBURG MAGNETIC A INDEX FOR YESTERDAY WAS 3.
TODAY IT WILL BE ABOUT 5. THE PREDICTED AP RANGES FOR