

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO
SPACE DISTURBANCE FORECAST NUMBER 493A ISSUED AT 1700Z
APRIL 8 1967.

A. SOLAR ACTIVITY REMAINS AT A LOW LEVEL WITH ONLY SUBFLARES REPORTED SO FAR TODAY. THE REGIONS AT S19 W28 PRODUCED MOST OF THESE SUBFLARES AND CONTINUES TO GROW WITH AN AREA OF 350 MILLIONTHS TODAY. THE RETURNING REGION EXPECTED TODAY AT THE NE LIMB HAS ROTATED ONTO THE DISK AS A STABLE ZURICH CLASS J SUNSPOT GROUP WITH AN AREA OF 30 MILLIONTHS. NO LIMB OR FLARE ACTIVITY HAS BEEN REPORTED FROM THIS REGION.

B. THE REGION AT S19M W28 IS NOW A LIKELY SOURCE OF IMPORTANCE ONE FLARES AND MAY PRODUCE LARGER FLARES LATER IN THE FORECAST PERIOD IF IT CONTINUES ITS PRESENT RATE OF GROWTH. THE RETURNING REGION AT N19 E73 APPEARS STABLE AND NOT CAPABLE OF PRODUCING FLARES LARGER THAN SUBFLARES AT THIS TIME.

C. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE THREE DAY PERIOD APRIL 9-11 ARE AS FOLLOWS /FIGURES ARE PERCENTAGES FOR EACH OF THE THREE DAYS/
IMPORTANCE ONE OR GREATER 95/100/100
IMPORTANCE TWO OR GREATER 5/10/10
IMPORTANCE THREE OR GREATER 0/1/1
PROTON EVENTS 0/0/0

D. THE OTTAWA 10.7 CM FLUX TODAY IS ESTIMATED TO BE 134.
THE PREDICTED VALUES FOR APRIL 9-11 ARE 138/140/142.

E. THE MAGNETIC INFORMATION WILL BE INCLUDED ON THE 2300Z FORECAST.

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A. ONE SUBFLARE HAS BEEN REPORTED SINCE THE 1700Z FORECAST FROM
THE REGION AT S20 W42. THE FLARE WAS CALLED A LARGE SUBFLARE
AND POSSIBLY AN IMPORTANCE ONE AT 1200Z.

B. THE REGION AT S20 W42 IS STILL A LIKELY SOURCE OF IMPORT-
ANCE ONE FLARES. FLARES AS LARGE AS IMPORTANCE ONE ARE NOT
EXPECTED FROM ANY OF THE OTHER REGIONS PRESENTLY ON THE DISK.

C. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE
THREE DAY PERIOD APRIL 9-11 ARE AS FOLLOWS /FIGURES ARE
PERCENTAGES FOR EACH OF THE THREE DAYS/

IMPORTANCE ONE OR GREATER 95/95/95

IMPORTANCE TWO OR GREATER 5/5/5

IMPORTANCE THREE OR GREATER 0/0/0

PROTON EVENTS 0/0/0

D. THE OTTAWA 10.7 CM FLUX TODAY IS 135. THE PREDICTED
VALUES FOR APRIL 9-11 ARE 138/140/141.

E. THE FREDERICKSBURG MAGNETIC A INDEX FOR YESTERDAY WAS 10.
TODAY IT WILL BE ABOUT 3. THE PREDICTED AP VALUES FOR
APRIL 9-11 ARE 4/4/4.

BT