

NNNNE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SPACE DISTURBANCE FORECAST NUMBER 486A ISSUED AT 1700Z

APRIL 1 1967

A. AN IMPORTANCE TWO FLARE WAS OBSERVED BY ONE OBSERVATORY TODAY AT S21 W75 AT 1023Z. AN IMPORTANCE ONE FLARE WAS ALSO REPORTED FROM THIS REGION AT 0010Z. THE SPOT GROUP HAS GROWN TO AN AREA OF 350 MILLIONTHS. THE REGION AT N20 W69 HAS PRODUCED FIVE IMPORTANCE ONE FLARES ALREADY TODAY AT 0010Z CMMA 0119Z CMMA 0236Z CMMA 0535Z AND 0617Z. ALL OF THESE FLARES WERE ACCOMPANIED BY MODERATE IONOSPHERIC DISTURBANCES CMMA BUT NO RADIO EVENTS HAVE BEEN REPORTED. TWO IMPORTANCE ONE FLARES WERE REPORTED FROM A REGION AT S19 W13 AT 0650Z AND 0823Z TODAY. THIS REGION HAS PRODUCED SEVERAL SUBFLARES PER DAY FOR THE LAST THREE DAYS BUT IT HAS DECREASED IN SIZE TODAY FROM AN AREA OF 100 MILLIONTHS TO 40 MILLIONTHS.

B. MAJOR FLARES ARE STILL EXPECTED FROM THE REGIONS AT S21 W75 AND N20 W69 UNTIL THEY PASS OVER WEST LIMB ON APRIL 2 AND 3. THE REGION AT S19 W13 IS NOT EXPECTED TO PRODUCE ANY FURTHER LARGE FLARES DUE TO THE DECLINE IN ITS AREA AND SIMPLIFICATION OF THE SPOT STRUCTURE.

C. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE THREE DAY PERIOD APRIL 2-4 ARE AS FOLLOWS /FIGURES ARE PERCENTAGES FOR EACH OF THE THREE DAYS/

IMPORTANCE ONE OR GREATER 100/100/100

IMPORTANCE TWO OR GREATER 40/20/10

IMPORTANCE THREE OR GREATER 5/2/1

PROTON EVENTS 5/2/1

D. THE OTTAWA 10.7 CM FLUX TODAY IS ESTIMATED TO BE 159.

THE PREDICTED VALUES FOR APRIL 2-4 ARE 150/140/135

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

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A NO FLARES HAVE BEEN REPORTED SINCE 1700Z TODAY.

MODERATE GREEN LINE CARONA INDICATES A SMALL NEW REGION
MAY ROTATE ONTO THE DISK TOMORROW.

B. THE REGIONS AT N20 W69 AND S21 W75 MAY STILL
PRODUCE MAJOR FLARES AND LIMB ACTIVITY THROUGH
APRIL 2 AND 3.

C. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE
THREE DAY PERIOD APRIL 2-4 ARE AS FOLLOWS /FIGURES ARE
PERCENTAGES FOR EACH OF THE THREE DAYS/

IMPORTANCE ONE OR GREATER 100/100/100

IMPORTANCE TWO OR GREATER 40/20/10

IMPORTANCE THREE OR GREATER 5/2/1

PROTON EVENTS 5/2/1

D. THE OTTAWA 10.7 CM FLUX TODAY IS 159. THE PREDICTED
VALUES FOR APRIL 2-4 ARE 150/140/135

E. THE FREDERICKSBURG MAGNETIC A INDEX FOR YESTERDAY WAS 02.
TODAY IT WILL BE ABOUT 8. THE PREDICTED AP VALUES FOR
APRIL 2-4 ARE 6/6/6

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