

NNNNFROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO
SPACE DISTURBANCE FORECAST NUMBER 455A ISSUED AT 1700Z

MARCH 1 1967

A. MAJOR FLARE ACTIVITY IS STILL CONSIDERED LIKELY ALTHOUGH NO FLARES LARGER THAN IMPORTANCE ONE HAVE BEEN REPORTED FOR MORE THAN 40 HOURS. THE VERY LARGE SPOT GROUP AT N23 W31 HAS CHANGED ONLY SLIGHTLY IN AREA AND COMPLEXITY BUT IT IS SHOWING SIGNS OF BREAKING UP. ITS POTENTIAL FOR PRODUCING MAJOR FLARES REMAINS HIGH. THE REGION AT ABOUT N14 E02 POSSESSES A BRIGHT AND COMPACT PLAGUE. THE SPOT GROUP IS CLASS D WITH AREA ABOUT 410 MILLIONTHS. RADIO EMISSION AT 9.1 CM HAS INCREASED MARKEDLY FROM THIS REGION. IT HAS PRODUCED SEVERAL MINOR FLARES AND IMPORTANCE TWO FLARES ARE LIKELY. THE SPOT GROUP AT S21 E45 IS INTERESTING BUT NO FLARES HAVE BEEN REPORTED FROM IT. FOR THE FIRST TIME THIS SOLAR CYCLE THE OTTAWA 10 CM FLUX ROSE ABOVE 200 AT 1400Z TODAY.

B. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE THREE DAY PERIOD MARCH 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 70/70/70
IMPORTANCE THREE OR GREATER 20/20/20
PROTON EVENTS 15/15/15

C. THE OTTAWA 10.7 CM FLUX TODAY IS ESTIMATED TO BE 203. THE PREDICTED VALUES FOR MARCH 2-4 ARE 206/212/215

D. THE FREDERICKSBURG MAGNETIC A INDEX INFORMATION WILL BE INCLUDED ON THE 2300Z FORECAST.

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FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO
SPACE DISTURBANCE FORECAST NUMBER 455B ISSUED AT 2300Z

MARCH 1 1967

A. THE VISIBLE SOLAR REGIONS HAVE NOT CHANGED SIGNIFICANTLY SINCE THE 1700Z FORECAST. THE OBSERVATION OF BRILLIANT GREEN AND FAINT YELLOW LINE CORONA AT ABOUT N24 EAST LIMB INDICATES THE PRESENCE OF AN ACTIVE REGION BEYOND EAST LIMB. THE SPOT GROUP AT N23 W32 IS DEFINITELY DECLINING IN AREA AND SIMPLIFYING STRUCTURALLY. IT IS HOWEVER STILL IMPRESSIVELY LARGE AND COMPLEX /CLASS F AREA ABOUT 1200 MILLIONTHS/ AND PROBABLY STILL CONTAINS A MAGNETIC DELTA CONFIGURATION. THE SPOT GROUP AT N15 E00 NO LONGER RESEMBLES THE MAJOR GROUP OF JULY 1967. IT IS CLASS E WITH AREA ABOUT 300 MILLIONTHS BUT IT APPEARS TO BE SIMPLE MAGNETICALLY. CLASS ONE FLARES HAVE BEEN PRODUCED IN BOTH THE REGIONS TODAY.

CONTINUED INCREASE IN 10 CM FLUX EMISSION MAY BE EXPECTED DUE TO THE REGION AS YET BEYOND EAST LIMB. THE SPOT GROUP AT N23 W32 SHOULD PRODUCE MAJOR FLARES BEFORE WEST LIMB PASSAGE MARCH 5-6. THE REGION AT N15 E00 MAY PRODUCE FLARES AS LARGE AS IMPORTANCE TWO. NONE OF THE REMAINING REGIONS APPEAR CAPABLE OF MAJOR FLARE ACTIVITY AT THIS TIME.

B. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE THREE DAY PERIOD MARCH 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 60/70/70
IMPORTANCE THREE OR GREATER 15/15/15
PROTON EVENTS 10/10/10

C. THE OTTAWA 10.7 CM FLUX TODAY IS 198. THE PREDICTED VALUES FOR MARCH 2-4 ARE 208/212/215

D. THE FREDERICKSBURG MAGNETIC A INDEX FOR YESTERDAY WAS 3. TODAY IT WILL BE ABOUT 5. THE PREDICTED VALUES FOR AP FOR MARCH 2-4 ARE 10/12/12

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