

NNNN

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO
SPACE DISTURBANCE FORECAST NUMBER 456A ISSUED AT 1700Z

MARCH 2 1967

A. NUMEROUS MINOR FLARES HAVE BEEN REPORTED TODAY FROM THE REGIONS AT N23 W44 AND N15 W12. MANY OF THESE HAVE EXHIBITED RADIO EMISSION AND IONOSPHERIC EFFECTS. THE SPOT GROUP AT N23 W44 IS VIRTUALLY UNCHANGED FROM 2200Z YESTERDAY. SOME GROWTH HAS OCCURRED IN THE GROUPS AT N15 W12 AND S21 E33. BRILLIANT GREEN LINE AND THE BRIGHTEST YELLOW LINE CORONA SEEN THIS SOLAR CYCLE CMMA AT N20 EAST LIMB CMMA HAVE BEEN REPORTED TODAY BY SACRAMENTO PEAK. SACRAMENTO PEAK ALSO REPORTED LOOP TYPE PROMINENCES NEAR THERE AT ABOUT 1710Z. A SPOT GROUP NOW BEING ROTATED INTO VIEW NEAR THIS LOCATION IS SO FAR JUDGED TO BE CLASS C. MORE OF THE REGION IS YET TO APPEAR OVER THE LIMB.

INDICATIONS NOW ARE THAT A MAJOR ACTIVE REGION IS BEING ROTATED OVER THE NORTH EAST LIMB. THIS WILL BE BETTER JUDGED WHEN THE REGION ROTATES MORE FULLY INTO VIEW. FLARES OF IMPORTANCE TWO OR GREATER CAN STILL BE EXPECTED FROM THE REGION AT N23 W44 AND UP TO IMPORTANCE TWO FROM N15 W12.

B. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE THREE DAY PERIOD MARCH 3-5 ARE AS FOLLOWS /FIGURES ARE PERCENTAGES FOR EACH OF THE THREE DAYS/

IMPORTANCE ONE OR GREATER 100/100/100

IMPORTANCE TWO OR GREATER 75/75/75

IMPORTANCE THREE OR GREATER 30/30/30

PROTON EVENTS 25/25/25

C. THE OTTAWA 10.7 CM FLUX TODAY IS ESTIMATED TO BE 210.

THE PREDICTED VALUES FOR MARCH 3-5 ARE 218/224/226

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 456B ISSUED AT 2300Z

MARCH 2 1967

A. NO FLARES AS LARGE AS IMPORTANCE TWO HAVE BEEN REPORTED TODAY HOWEVER THERE HAVE BEEN NUMEROUS LESSER FLARES OCCURRING MOSTLY IN THE REGIONS AT N23 W48 CMMA N15 E33 AND N15 W16. THE SPOT GROUP AT N23 W48 HAS BEEN RECONFIRMED AS A MAGNETIC DELTA AND MAY BE SHOWING SIGNS OF RENEWED GROWTH. OF MAJOR INTEREST AT THIS TIME IS THE OBSERVATION OF VERY BRIGHT YELLOW LINE CORONA AT ABOUT S20-25 EAST LIMB CMMA AND THE REPORT OF SIGNIFICANT CORONAL ACTIVITY NEAR THAT LOCATION. ASSOCIATED WITH THIS CMMA LARGE SUNSPOTS ARE NOW JUST VISIBLE AT THE SOUTHEAST LIMB. SIGNIFICANT YELLOW LINE CORONA ALSO EXISTS AT ABOUT N20-25 EAST LIMB. WITH 13 SPOTS GROUPS NOW VISIBLE THE SUNSPOT NUMBER AS OBSERVED IN BOULDER EXCEEDS 350 AND THE OTTAWA 10 CM RADIO FLUX WAS 214 AT 1700Z.

CORONAL EVIDENCE INDICATES THAT BOTH EAST LIMB REGIONS /ESPECIALLY THE ONE AT ABOUT S20/ ARE POTENTIAL MAJOR FLARE PRODUCERS. THE REGION AT N23 W48 IS STILL EXPECTED TO PRODUCE FLARES OF IMPORTANCE TWO OR GREATER.

B. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE THREE DAY PERIOD MARCH 3-5 ARE AS FOLLOWS /FIGURES ARE PERCENTAGES FOR EACH OF THE THREE DAYS/
IMPORTANCE ONE OR GREATER 100/100/100
IMPORTANCE TWO OR GREATER 75/80/80
IMPORTANCE THREE OR GREATER 30/30/30
PROTON EVENTS 25/25/25

C. THE OTTAWA 10.7 CM FLUX TODAY IS 214. THE PREDICTED VALUES FOR MARCH 3-5 ARE 227/235/240

D. THE FREDERICKSBURG MAGNETIC A INDEX FOR YESTERDAY WAS 7. TODAY IT WILL BE ABOUT 2. THE PREDICTED VALUES FOR AP FOR MARCH 3-5 ARE 6/10/10
BT