

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO  
SPACE DISTURBANCE FORECAST NUMBER 483A ISSUED AT 1700Z

MARCH 29 1967

A. IMPORTANCE TWO FLARES WERE REPORTED TODAY IN EACH OF THE SOUTHERN REGIONS. THE REGION AT S23W36 PRODUCED AN IMPORTANCE TWO AT 1003Z. CONSIDERABLE GROWTH HAS OCCURRED IN THE SPOT GROUP THERE AND IT IS NOW CLASS E WITH AREA OF 250 MILLIONTHS. THE IMPORTANCE TWO FLARE REPORTED IN THE REGION NEAR S20E26 AT ABOUT 0805Z MUST BE CONSIDERED AS QUESTIONABLE BECAUSE OF OBSERVING CONDITIONS. THE SPOT GROUP THERE HAS ALSO GROWN SOMEWHAT AND IS NOW CLASS D WITH ABOUT 200 MILLIONTHS AREA. IMPORTANCE ONE AND LESSER FLARES CONTINUE TO BE PRODUCED IN THE VERY LARGE REGION NOW CENTERED AT ABOUT N20W30. THE LEADING CLASS H SPOT GROUP IN THIS REGION HAS DECLINED BUT THE CENTRAL GROUP ALSO LOCATED AT N20W30 HAS GROWN TO AN AREA OF 630 MILLIONTHS CLASS E. AN IMPORTANCE ONE FLARE WAS REPORTED FROM THE NORTHEAST LIMB IN THE VICINITY OF SMALL SPOT GROUPS WHICH HAVE ROTATED ONTO THE DISK.

B. MAJOR FLARES ARE STILL EXPECTED FROM THE LARGE REGION NOW IN THE NORTHWEST BUT AT A DECLINING RATE OF OCCURRENCE. BOTH SOUTHERN REGIONS APPEAR CAPABLE OF PRODUCING FLARES OF IMPORTANCE TWO.

C. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE THREE DAY PERIOD MARCH 30-APRIL 01 ARE AS FOLLOWS/FIGURES ARE PERCENTAGES FOR EACH OF THE THREE DAYS/

IMPORTANCE ONE OR GREATER 100/100/100

IMPORTANCE TWO OR GREATER 50/50/50

IMPORTANCE THREE OR GREATER 15/15/15

PROTON EVENTS 10/10/10

D. THE OTTAWA 10.7 CM FLUX TODAY IS ESTIMATED TO BE 180. PREDICTED VALUES FOR MARCH 30-APRIL 01 ARE 185/188/190.

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

FORECAST

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO  
SPACE DISTURBANCE FORECAST NUMBER 483B ISSUED AT 2300Z  
MARCH 29 1967

A. A FLARE AT ABOUT 1740Z TODAY HAS BEEN REPORTED BOTH AS  
IMPORTANCE ONE AND IMPORTANCE TWO. IT OCCURRED IN THE LARGE  
REGION NOW CENTERED AT ABOUT N20W34 AND THE FLARE WAS ALSO  
OBSERVED IN RADIO EMISSION AND IONOSPHERIC EFFECTS. THE  
TWO REGIONS NEAR THE NORTHEAST LIMB ARE MODERATELY BRIGHT  
BUT THE SPOT GROUPS ARE SMALL. NO SIGNIFICANT CHANGES HAVE  
BEEN REPORTED IN ANY OF THE VISIBLE REGIONS SINCE 1700Z.

B. FLARES OF IMPORTANCE TWO OR GREATER CONTINUE TO BE  
LIKELY FROM THE LARGE NORTHWESTERN REGION. TO A LESSER  
EXTENT THEY ARE ALSO POSSIBLE FROM THE REGIONS NEAR S21W43  
AND S20E20.

C. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE  
THREE DAY PERIOD MARCH 30-APRIL 01 ARE AS FOLLOWS/FIGURES  
ARE PERCENTAGES FOR EACH OF THE THREE DAYS/

IMPORTANCE ONE OR GREATER 100/100/100

IMPORTANCE TWO OR GREATER 50/50/50

IMPORTANCE THREE OR GREATER 15/15/15

PROTON EVENTS 10/10/10

D. THE OTTAWA 10.7 CM FLUX TODAY IS 179. THE PREDICTED  
VALUES FOR MARCH 30-APRIL 01 ARE 183/185/180.

E. THE FREDERICKSBURG MAGNETIC A INDEX YESTERDAY WAS 7.  
TODAY IT WILL BE ABOUT 5. THE PREDICTED AP VALUES FOR  
MARCH 30-APRIL 01 ARE 4/6/8.

BT