

FROMM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO
SPACE DISTURBANCE FORECAST NUMBER 473A ISSUED AT 1700Z
MARCH 19 1967.

A. SOLAR ACTIVITY HAS INCREASED SLIGHTLY. A SOLAR SATELLITE REPORTED A MODERATE X-RAY EVENT BETWEEN 1402Z AND 1412Z ON 18 MAR. NO OPTICAL FLARE HAS BEEN REPORTED AT THE TIME OF THIS OBSERVATION. AN OPTICAL FLARE WAS REPORTED BY THREE DIFFERENT OBSERVATORIES AS IMPORTANCE ONE NORMAL CMMA ONE BRIGHT CMMA AND TWO NORMAL. THE LOCATION WAS N22 E37. THE LARGE REGION EXPECTED TO RETURN AT NORTH EAST LIMB TODAY OR TOMORROW GIVES LITTLE EVIDENCE AS YET OF BEING PRESENT.

B. THE 10 CM FLUX IS INCREASING SLIGHTLY AND SHOULD RISE MORE RAPIDLY AFTER TOMORROW.

C. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE THREE DAY PERIOD MARCH 20-22 ARE AS FOLLOWS /FIGURES ARE PERCENTAGES FOR EACH OF THE THREE DAYS/
IMPORTANCE ONE OR GREATER 95/100/100
IMPORTANCE TWO OR GREATER 15/20/20
IMPORTANCE THREE OR GREATER 1/1/1
PROTON EVENTS 1/1/1

D. THE OTTAWA 10.7 CM FLUX TODAY IS ESTIMATED TO BE 136.
THE PREDICTED VALUES FOR MARCH 20-225 ARE 140/146/151

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

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FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO
SPACE DISTURBANCE FORECAST NUMBER 473B ISSUED AT 2300Z
MARCH 19 1967.

A. THE TIME OF THE FLARE MENTIONED ON THE 1700Z FORECAST TODAY WAS OMITTED. IT SHOULD HAVE BEEN 0247Z CMMA 19 MAR. THE FLARE WAS ACCCOMPANIED BY SEVERAL IONOSPHERIC EFFECTS. THERE IS STILL LITTLE EVIDENCE OF THE RETURNING REGION. HOWEVER CMMA A NE LIMB SPRAY SURGE EVENT OCCURRED AT 1600Z TODAY WHICH COULD BE ASSOCIATED WITH IT.

B. THE 10 CM FLUX APPEARS TO BE RISING IN RESPONSE TO EAST LIMB ACTIVITY BUT IT IS TOO EARLY TO TELL HOW MUCH FLARE ACTIVITY WILL BE ASSOCIATED WITH THE RETURNING REGION. ON ITS LAST TRANSIT IT PRODUCED FLARES OF IMPORTANCE TWO OR GREATER ON 6 SEPARATE DAYS. HOWEVER CMMA IT IS NOT IN A FAVORABLE LONGITUDE FOR PROTON PRODUCTION.

C. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE THREE DAY PERIOD MARCH 20-22 ARE AS FOLLOWS /FIGURES ARE PERCENTAGES FOR EACH OF THE THREE DAYS/

IMPORTANCE ONE OR GREATER 95/100/100

IMPORTANCE TWO OR GREATER 15/25/30

IMPORTANCE THREE OR GREATER 1/1/2

PROTON EVENTS 1/1/1

D. THE OTTAWA 10.7 CM FLUX TODAY IS 137. THE PREDICTED VALUES FOR MARCH 20-22 ARE 141/148/155

E. THE FREDERICKSBURG MAGNETIC A INDEX FOR YESTERDAY WAS 10. TODAY IT WILL BE ABOUT 15. THE PREDICTED AP VALUES FOR MARCH 20-22 ARE 10/8/4

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