

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SPACE DISTURBANCE FORECAST NUMBER 469A ISSUED AT 1700Z

MARCH 15 1967

A. THE OTTAWA 10.7 CM RADIO FLUX IS INCREASING AS THE REGION AT THE NORTHEAST LIMB IS ROTATED ONTO THE DISK. A SPOT GROUP IS NOW VISIBLE AT N25E80 WHICH APPEARS TO BE CLASS H WITH AREA OF ABOUT 130 MILLIONTHS. IT IS NOT YET KNOWN IF MORE OF THE GROUP IS YET TO BE ROTATED OVER THE LIMB. THE REGION IS PRODUCING NUMEROUS SMALL LIMB SURGES HOWEVER NO FLARES HAVE BEEN REPORTED FROM IT. AN IMPORTANCE TWO FAINT FLARE AT 1146Z WAS REPORTED BY ANACAPRI IN THE REGION NEAR S18W77. THE SPOT GROUP PREVIOUSLY PRESENT IN THAT REGION IS NO LONGER OBSERVED.

B. OBSERVATIONS OF THE NORTHEAST LIMB REGION THUS FAR INDICATE THAT IT IS PROBABLY AN OLD REGION WHICH IS POSSIBLY DECLINING. CORONA AND RADIO EMISSION DATA INDICATE THAT THE REGION MUST HAVE BEEN ACTIVE WHILE ON THE BACK SIDE. THE PROBABILITY OF MAJOR FLARE ACTIVITY FROM IT NOW DOES NOT APPEAR TO BE HIGH.

C. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE THREE DAY PERIOD MARCH 16-18 ARE AS FOLLOWS /FIGURES ARE PERCENTAGES FOR EACH OF THE THREE DAYS/

IMPORTANCE ONE OR GREATER 95/95/95

IMPORTANCE TWO OR GREATER 10/10/10

IMPORTANCE THREE OR GREATER 1/1/1

PROTON EVENTS 1/1/1

D. THE OTTAWA 10.7 CM FLUX TODAY IS ESTIMATED TO BE 132.

THE PREDICTED VALUES FOR MARCH 16-18 ARE 136/138/141.

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

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO
SPACE DISTURBANCE FORECAST NUMBER 469B ISSUED AT 2300Z

MARCH 15 1967

A. THE REGION NEAR NORTHEAST LIMB NOW DEFINITELY APPEARS TO BE OLD AND PROBABLY DECLINING. ITS SPOT GROUP IS CLASS H WHICH IS GENERALLY A STABLE AND INACTIVE CLASS. THE CALCIUM PLAGE IS NEITHER LARGE NOR BRIGHT. THE REGION NEAR S16E37 PRODUCED AN IMPORTANCE ONE FLARE AT ABOUT 2053Z. THE SPOT GROUP IN THIS REGION HAS GROWN SLOWLY AND IS NOW CLASS E WITH AREA OF ABOUT 100 MILLIONTHS.

B. MAJOR FLARES ARE NOT NOW CONSIDERED LIKELY FROM ANY OF THE VISIBLE SOLAR REGIONS. THE REGION AT S16E37 IS THE MOST PROMISING SOURCE OF MINOR FLARES AND IF THIS REGION CONTINUES TO DEVELOP MAJOR FLARE ACTIVITY MAY BECOME LIKELY. CONTINUED INCREASE IN 10 CM FLUX IS EXPECTED DUE TO THE NORTHEAST REGION.

C. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE THREE DAY PERIOD MARCH 16-18 ARE AS FOLLOWS /FIGURES ARE PERCENTAGES FOR EACH OF THE THREE DAYS/

IMPORTANCE ONE OR GREATER 95/95/95

IMPORTANCE TWO OR GREATER 10/10/10

IMPORTANCE THREE OR GREATER 1/1/1

PROTON EVENTS 1/1/1

D. THE OTTAWA 10.7 CM FLUX TODAY IS 134. THE PREDICTED VALUES FOR MARCH 16-18 ARE 138/140/142.

E. THE FREDERICKSBURG MAGNETIC A INDEX FOR YESTERDAY WAS 3. TODAY IT WILL BE ABOUT 1. THE PREDICTED AP VALUES FOR MARCH 16-18 ARE 4/4/4.