

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SPACE DISTURBANCE FORECAST NUMBER 498A ISSUED AT 1700Z

APRIL 13 1967

A. FLARE ACTIVITY HAS BEEN LOW TODAY WITH ONLY ONE IMPORTANCE ONE FLARE REPORTED AT ABOUT 0943Z. NO IONOSPHERIC DISTURBANCES OR RADIO EMISSION WAS REPORTED AT THIS TIME. THIS FLARE WAS FROM A REGION NOW AT ABOUT S24W70. THE NEW REGION AT N23E80 CONTAINS A J-TYPE SPOT GROUP WITH AREA ABOUT 200 MILLIONTHS AND IS A MODERATELY STRONG RADIO SOURCE AT 9.1 CM.

B. NEITHER OF THE REGIONS MENTIONED ABOVE NOR ANY OTHERS ON THE DISK APPEAR CAPABLE OF IMPORTANCE TWO FLARES. PREVIOUSLY ACTIVE REGIONS WILL ROTATE OVER EAST LIMB STARTING ON THE 15TH AND MAY BE IMPORTANCE TWO FLARE PRODUCERS. THE 10 CM FLUX SHOULD INCREASE DUE TO THESE REGIONS AND ALSO AS THE SOURCE AT N23E80 ROTATES MORE FULLY ONTO THE DISK.

C. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE THREE DAY PERIOD APRIL 14-16 ARE AS FOLLOWS/FIGURES ARE PERCENTAGES FOR EACH OF THE THREE DAYS/

IMPORTANCE ONE OR GREATER 100/100/100

IMPORTANCE TWO OR GREATER 5/10/15

IMPORTANCE THREE OR GREATER 0/2/5

PROTON EVENTS 0/1/2

D. THE OTTAWA 10.7 CM FLUX TODAY IS ESTIMATED TO BE 130.

THE PREDICTED VALUES FOR APRIL 14-16 ARE 132/138/146.

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

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO
SPACE DISTURBANCE FORECAST NUMBER 498B ISSUED AT 2300Z
APRIL 13 1967

A. NO SIGNIFICANT SOLAR ACTIVITY HAS BEEN REPORTED
TODAY. AN IMPORTANCE ONE FLARE WAS OBSERVED IN PROGRESS
AT 1935Z IN THE REGION NOW LOCATED AT ABOUT N22 W55.
THE SPOT GROUP IN THIS REGION NOW APPEARS TO BE DECLINING.
VISUAL SOLAR OBSERVATIONS TODAY ARE HAMPERED BY WEATHER
CONDITIONS HOWEVER SOLAR RADIO EMISSION AND IONOSPHERIC
DETECTION TECHNIQUES CONFIRMED THE LACK OF MAJOR SOLAR
ACTIVITY.

B. SOLAR ACTIVITY SHOULD REMAIN LOW UNTIL THE 15TH WHEN
RETURNING REGIONS ARE EXPECTED TO BEGIN APPEARING OVER
THE EAST LIMB.

C. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE
THREE DAY PERIOD APRIL 14-16 ARE AS FOLLOWS /FIGURES ARE
PERCENTAGES FOR EACH OF THE THREE DAYS/
IMPORTANCE ONE OR GREATER 100/100/100
IMPORTANCE TWO OR GREATER 5/10/15
IMPORTANCE THREE OR GREATER 0/2/5
PROTON EVENTS 0/1/2

D. THE OTTAWA 10.7 CM FLUX TODAY IS 126. THE PREDICTED
VALUES FOR APRIL 14-16 ARE 132/138/146

E. THE FREDERICKSBURG MAGNETIC A INDEX FOR YESTERDAY WAS 4.
TODAY IT WILL BE ABOUT 1. THE PREDICTED AP VALUES FOR
APRIL 14-16 ARE 4/6/6

BT