

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SPACE DISTURBANCE FORECAST NUMBER 482A ISSUED AT 1700Z

MARCH 28 1967

A. IMPORTANCE ONE FLARES AND SUBFLARES CONTINUE TO BE PRODUCED IN THE LARGE REGION NOW CENTERED AT ABOUT N22 W15. IMPORTANCE ONE FLARES OCCURRED THERE AT ABOUT 0600Z AND 1312Z TODAY. THE SPOT GROUPS IN THIS REGION HAVE UNDERGONE CONSIDERABLE CHANGE SINCE YESTERDAY. THE LARGE LEADING H TYPE SPOT GROUP /N22 W28/ NOW SEEMS TO BE SMALLER HOWEVER ADDITIONAL SPOTS HAVE DEVELOPED WEST OF THE LARGE PENUMBRA. THE SPOT GROUP AT ABOUT N20 W15 IS ABOUT THE SAME SIZE BUT CONSIDERABLE REORGANIZATION HAS OCCURRED WITHIN THE GROUP. IN THE SOUTHERN HEMISPHERE THE SPOT GROUPS AT S22 W23 AND S18 E42 HAVE BOTH INCREASED IN AREA AND COMPLEXITY AND BOTH HAVE PRODUCED SUBFLARES. THE OTTAWA 10 CM RADIO FLUX AT 1415Z TODAY IS REPORTED TO BE 180.

B. MAJOR FLARES ARE EXPECTED AT A RATE OF ABOUT ONE EVERY 48 HOURS.

C. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE THREE DAY PERIOD MARCH 29-31 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 20/20/20

PROTON EVENTS 10/10/10

D. THE OTTAWA 10.7 CM FLUX TODAY IS ESTIMATED TO BE 170.

THE PREDICTED VALUES FOR MARCH 29-31 ARE 165/160/160

NOTE--THESE VALUES ARE TENTATIVE AWAITING CONFIRMATION OF THE 1415Z FLUX MEASUREMENT.

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

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SPACE DISTURBANCE FORECAST NUMBER 482B ISSUED AT 2300Z

MARCH 28 1967

A. IMPORTANCE ONE FLARES WERE REPORTED TO HAVE OCCURRED IN THE LARGE REGION CENTERED AT ABOUT N22 W19 AT 0600 1035 1330 1735 AND 1908Z TODAY.

MUCH OF THE ACTIVITY IN THIS REGION OCCURRED IN THE VICINITY OF THE NEWLY DEVELOPED SPOTS IN THE WESTERN PORTION OF THE LARGE CLASS H GROUP AT ABOUT N22 W32.

THE 1908Z FLARE WAS POSSIBLY ACCCOMPANIED BY LOOP-TYPE PROMINENCE FEATURES. IMPORTANCE ONE FLARES OCCURRED IN THE REGION NEAR S22 W27 AT 1230 1312 AND 1415Z ALONG WITH NUMEROUS SUBFLARES. NO MAJOR CHANGES HAVE BEEN REPORTED IN ANY OF THE VISIBLE REGIONS SINCE 1700Z. BRIGHT GREEN LINE CORONA WAS OBSERVED AT ABOUT N15 EAST LIMB.

B. MAJOR FLARE ACTIVITY IS STILL CONSIDERED LIKELY FROM THE LARGE REGION NOW CENTERED ABOUT N22 W19. FLARES AS LARGE AS IMPORTANCE TWO ARE POSSIBLE FROM THE SOUTHWEST REGION. 10 CM RADIO FLUX SHOULD INCREASE DUE TO ACTIVE CENTERS BEING ROTATED OVER EAST LIMB.

C. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE THREE DAY PERIOD MARCH 29-31 ARE AS FOLLOWS /FIGURES ARE PERCENTAGES FOR EACH OF THE THREE DAYS/

IMPORTANCE ONE OR GREATER 100/100/100

IMPORTANCE TWO OR GREATER 50/40/40

IMPORTANCE THREE OR GREATER 20/15/15

PROTON EVENTS 10/10/10

D. THE OTTAWA 10.7 CM FLUX TODAY IS 178. THE PREDICTED VALUES FOR MARCH 29-31 ARE 180/185/188

E. THE FREDERICKSBURG MAGNETIC A INDEX FOR YESTERDAY WAS 13.

TODAY IT WILL BE ABOUT 11. THE PREDICTED AP VALUES FOR MAR 29-31 ARE 7/5/4