

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SPACE DISTURBANCE FORECAST NUMBER 488A ISSUED AT 1700Z

APRIL 3 1967

A. A POSSIBLE MINOR PROTON EVENT WAS DETECTED BY THE ALASKAN MONITORING SYSTEM BEGINNING AT ABOUT 0238Z. AT THIS TIME IT HAS NOT BEEN CONFIRMED AND THE POSSIBILITY EXISTS THAT IT MAY HAVE BEEN DUE TO RELATIVISTIC ELECTRON PRECIPITATION. AN EVENT OBSERVED ON THE SOUTHWEST SOLAR LIMB AT ABOUT 1440Z TODAY MAY HAVE BEEN A BRIGHT SURGE OR POSSIBLY A FLARE. IT WAS ACCCOMPANIED BY PRONOUNCED IONOSPHERIC EFFECTS. THE SPOT GROUPS ASSOCIATED WITH THE WEST LIMB REGIONS AT N20 AND S22 HAVE NOW BEEN ROTATED OVER THE LIMB. WHITE LIGHT FACULAE IS STILL VISIBLE AT THE NORTHWEST LIMB AND BOTH REGIONS WERE STILL STRONG SOURCES OF RADIO EMISSION AT 9.1 CM WAVELENGTH LATE YESTERDAY. BRIGHT WHITE LIGHT FACULAE AT THE NORTHEAST LIMB IS ASSOCIATED WITH THE ENCHANCED GREEN LINE CORONA OBSERVED THERE YESTERDAY. NO SPOTS ARE YET VISIBLE THERE. ALL VISIBLE SPOT GROUPS ARE TINY.

B. NO MAJOR FLARE ACTIVITY IS EXPECTED. THE NORTHEAST LIMB REGION IS BELIEVED AT THIS TIME TO BE OLD AND DECAYING AND NOT LIKELY TO BE A MAJOR FLARE PRODUCER. A BETTER EVALUATION OF IT WILL BE POSSIBLE WHEN IT IS ROTATED MORE FULLY INTO VIEW. 10 CM RADIO FLUX SHOULD CONTINUE TO DECLINE.

C. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE THREE DAY PERIOD APRIL 4-6 ARE AS FOLLOWS. /FIGURES ARE PERCENTAGES FOR EACH OF THE THREE DAYS/

IMPORTANCE ONE OR GREATER 30/30/30

IMPORTANCE TWO OR GREATER 2/2/2

IMPORTANCE THREE OR GREATER 0/0/0

PROTON EVENTS 1/0/3

D. THE OTTAWA 10.7 CM FLUX TODAY IS ESTIMATED TO BE THE PREDICTED VALUES FOR APRIL 4-6 ARE 126/123/123.

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 488B ISSUED AT 2300Z

APRIL 03 1967

A. NO SIGNIFICANT FLARE ACTIVITY OR CHANGES IN THE VISIBLE SOLAR REGIONS HAVE BEEN REPORTED SINCE 1700Z. A SMALL CLASS J SPOT GROUP IS NOW VISIBLE AT ABOUT N12E84. THE CALCIUM PLAGE ASSOCIATED WITH IT IS OF ONLY MODERATE BRIGHTNESS.

B. MAJOR FLARE ACTIVITY IS NOT EXPECTED. THE 10 CM RADIO FLUX SHOULD CONTINUE TO DECLINE.

C. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE THREE DAY PERIOD APRIL 04-06 ARE AS FOLLOWS/FIGURES ARE PERCENTAGES FOR EACH OF THE THREE DAYS/

IMPORTANCE ONE OR GREATER 80/80/80

IMPORTANCE TWO OR GREATER 2/2/2

IMPORTANCE THREE OR GREATER 0/0/0

PROTON EVENTS 1/0/0

D. THE OTTAWA 10.7 CM FLUX TODAY IS 133. THE PREDICTED VALUES FOR APRIL 4-6 ARE 126/123/123.

E. THE FREDERICKSBURG MAGNETIC A INDEX FOR YESTERDAY WAS 14. TODAY IT WILL BE ABOUT 3. THE PREDICTED AP VALUES FOR APRIL 4-6 ARE 4/4/4.

BT