

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SPACE DISTURBANCE FORECAST NUMBER 516A ISSUED AT 1700Z

MAY 01 1967

ONLY MINOR FLARE ACTIVITY IS EXPECTED

A. NUMEROUS MINOR FLARES HAVE OCCURRED IN THE REGION NEAR S21E25. THE SPOT GROUP THERE IS ESSENTIALLY UNCHANGED AND IS CLASS D WITH AREA ABOUT 100 MILLIONTHS. A SPOT GROUP NOW VISIBLE AT N20E70 HAS BEEN REPORTED AS A CLASS J OF ABOUT 200 MILLIONTHS AREA. IT IS ASSOCIATED WITH MODERATE 9.1 CM EMISSION; HOWEVER AS YET NO FLARE ACTIVITY HAS BEEN REPORTED FROM THE REGION.

B. MAJOR FLARES ARE POSSIBLE BUT NOT LIKELY FROM THE REGION AT N21E25. CONTINUED MINOR FLARE ACTIVITY IS EXPECTED THERE AS WELL AS FROM A SCATTERING OF OTHER REGIONS ON THE VISIBLE DISK. THE REGION NEAR NORTHEAST LIMB APPEARS TO BE INACTIVE; HOWEVER DATA IS TOO INCOMPLETE FOR A GOOD EVALUATION. 10 CM RADIO FLUX SHOULD INCREASE DUE TO REGIONS NEAR EAST LIMB. HOWEVER THIS WILL BE PARTLY COMPENSATED FOR BY THE LOSS OF EMISSION SOURCES FROM THE WEST LIMB.

C. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE THREE DAY PERIOD MAY 02-04 ARE AS FOLLOWS/FIGURES ARE PERCENTAGES FOR EACH OF THE THREE DAYS/

IMPORTANCE ONE OR GREATER 100/100/100

IMPORTANCE TWO OR GREATER 15/15/15

IMPORTANCE THREE OR GREATER 1/1/1

PROTON EVENTS 1/1/1

D. THE OTTAWA 10.7 CM FLUX TODAY IS ESTIMATED TO BE 134.

THE PREDICTED VALUES FOR MAY 02-04 ARE 136/138/138.

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

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SPACE DISTURBANCE FORECAST NUMBER 516B ISSUED 2300Z

MAY 1 1967.

ONLY MINOR FLARES ARE EXPECTED

A. NO SIGNIFICANT CHANGES HAVE OCCURRED IN ANY OF THE VISIBLE REGIONS SINCE 1700Z. THE SPOT GROUP NEAR NORTHEAST LIMB IS ACCCOMPANIED BY A FAINT PLAGE REGION OF ONLY MODERATE AREA. A MAGNETIC DISTURBANCE BEGAN WITH A SUDDEN COMMENCEMENT AT 1906Z. THIS DISTURBANCE MAY BE DUE TO THE GENERAL INCREASE IN MINOR FLARE ACTIVITY OVER THE PAST 3 DAYS.

B. THERE HAS BEEN A LULL IN THE PRODUCTION OF EVEN MINOR FLARES OVER THE PAST 14 HOURS HOWEVER MINOR FLARES ARE STILL EXPECTED. MAJOR FLARES ARE POSSIBLE BUT ARE NOT EXPECTED. THE PRESENT MAGNETIC DISTURBANCE IS NOT EXPECTED TO BECOME MAJOR.

C. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE THREE DAY PERIOD MAY 2-4 ARE AS FOLLOWS /FIGURES ARE PERCENTAGES FOR EACH OF THE THREE DAYS/

IMPORTANCE ONE OR GREATER 100/100/100

IMPORTANCE TWO OR GREATER 15/15/15

IMPORTANCE THREE OR GREATER 1/1/1

PROTON EVENTS 1/1/1

D. THE OTTAWA 10.7 CM FLUX TODAY IS 135. THE PREDICTED VALUES FOR MAY 2-4 ARE 135/135/135.

E. THE FREDERICKSBURG MAGNETIC A INDEX FOR YESTERDAY WAS 4. TODAY IT WILL BE ABOUT 12. THE PREDICTED AP VALUES FOR MAY 2-4 ARE 9/7/5.

BT