

OZTTTWPTRFROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SPACE DISTURBANCE FORECAST NUMBER 474A ISSUED AT 1700Z

MARCH 20 1967

A. THE REGION THAT WAS EXPECTED TO RETURN TO NORTHEAST LIMB IS NOW VISIBLE AND CONTAINS A SPOT GROUP AT ABOUT N22E79. THE SPOT GROUP APPEARS AT THIS TIME TO BE CLASS H WITH AREA ABOUT 490 MILLIONTHS. THE PLAGE APPEARS TO BE STABLE AND OF MODEST BRIGHTNESS. IT IS ALSO A MODERATE SOURCE OF EMISSION AT 9.1 CM. SUBFLARES TODAY HAVE BEEN REPORTED AT N26E17 AND N17E30. THESE ARE ASSOCIATED WITH A CLUSTER OF SMALL SPOT GROUPS EXTENDING FROM E12 TO E36 IN THE NORTHERN HEMISPHERE. ONE OF THE SUBFLARES WAS ACCOMPANIED BY MODERATELY STRONG RADIO EMISSION IN THE 7 TO 41 MC/S RANGE. SINCE THEN THE FREQUENCY OF MINOR BURST ACTIVITY IN THIS RANGE HAS INCREASED. IT IS NOT KNOWN IF THE INCREASED RADIO BURST ACTIVITY IS DUE TO THE CENTRAL NORTHEAST REGIONS OR THE REGION AT NORTHEAST LIMB.

B. CONTINUED INCREASE IS EXPECTED IN THE 10 CM RADIO FLUX AS THE NORTHEAST LIMB REGION IS ROTATED FARTHER ONTO THE DISK. AT PRESENT THE REGION DOES NOT APPEAR TO BE A FREQUENT MAJOR FLARE PRODUCER.

C. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE THREE DAY PERIOD MARCH 21-23 ARE AS FOLLOWS /FIGURES ARE PERCENTAGES FOR EACH OF THE THREE DAYS/

IMPORTANCE ONE OR GREATER 100/100/100

IMPORTANCE TWO OR GREATER 20/25/30

IMPORTANCE THREE OR GREATER 2/5/5

PROTON EVENTS 1/2/2

D. THE OTTAWA 10.7 CM FLUX TODAY IS ESTIMATED TO BE 142.

THE PREDICTED VALUES FOR MARCH 21-23 ARE 148/153/157.

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

NNNN

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO
SPACE DISTURBANCE FORECAST NUMBER 474B ISSUED AT 2300Z
MARCH 20 1967

A. NO FLARE ACTIVITY HAS BEEN REPORTED IN THE REGION
AT N22 E74 ALTHOUGH LOOP-TYPE PROMINENCE ACTIVITY HAS
BEEN OBSERVED THERE TODAY. MORE OF THE REGION IS YET
TO APPEAR OVER THE LIMB. NUMEROUS SMALL TYPE III
BURSTS AT DEKAMETRIC WAVELENGTHS HAVE OCCURRED THROUGH-
OUT THE DAY AND NOW SEEM TO BE ASSOCIATED WITH THE REGION
AT N22 E74. NO SIGNIFICANT CHANGES OR ACTIVITY HAS BEEN
REPORTED IN ANY OF THE OTHER VISIBLE REGIONS.

B. THE PROBABILITY FOR MAJOR FLARES REMAINS RELATIVELY
LOW. 10 CM RADIO FLUX WILL INCREASE AS THE NORTHEAST
REGION ROTATES FARTHER ONTO THE DISK.

C. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE
THREE DAY PERIOD MARCH 21-23 ARE AS FOLLOWS /FIGURES ARE
PERCENTAGES FOR EACH OF THE THREE DAYS/

IMPORTANCE ONE OR GREATER 100/100/100

IMPORTANCE TWO OR GREATER 20/25/25

IMPORTANCE THREE OR GREATER 2/5/5

PROTON EVENTS 1/2/2

D. THE OTTAWA 10.7 CM FLUX TODAY IS 142. THE PREDICTED
VALUES FOR MARCH 21-23 ARE 149/155/158

E. THE FREDERICKSBURG MAGNETIC A INDEX FOR YESTERDAY WAS 18.
TODAY IT WILL BE ABOUT 3. THE PREDICTED AP VALUES FOR
MARCH 21-23 ARE 6/5/4

BT