

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO
SPACE DISTURBANCE FORECAST NUMBER 512A ISSUED AT 1700Z
APRIL 27 1967

.AA PROBABLE IMPORTANCE ONE FLARE OCCURRED AT 1605Z NEAR
S20E85. REPORTED IMPORTANCE FOR THIS FLARE RANGED FROM
SUBFLARE TO TWO BRIGHT. SURGE ACTIVITY ACCOMPANYING THE
FLARE MAY ACCOUNT FOR THE DISPARITY IN THE REPORTED IM-
PORTANCE. THE FLARE PRODUCED MINOR IONOSPHERIC EFFECTS.
ANOTHER POSSIBLE IMPORTANCE ONE FLARE WAS REPORTED FROM
THE SAME REGION AT 0310Z AND NUMEROUS SUBFLARES HAVE BEEN
OBSERVED THERE. A SMALL SUNSPOT GROUP IS NOW VISIBLE IN
THIS REGION AT ABOUT S21E80, AND 9.1 CM EMISSION FROM THIS
LOCATION HAS INCREASED. THE REMAINING SOLAR REGIONS
APPEAR TO BE RELATIVELY STABLE AND INACTIVE.

B. MAJOR FLARES MAY OCCUR IN THE SOUTHEAST LIMB REGION
HOWEVER THEY ARE NOT YET CONSIDERED LIKELY. ONLY MINOR
ACTIVITY CAN BE EXPECTED FROM THE OTHER VISIBLE REGIONS.

C. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE
THREE DAY PERIOD APRIL 28-30 ARE AS FOLLOWS/FIGURES ARE
PERCENTAGES FOR EACH OF THE THREE DAYS/

IMPORTANCE TWO OR GREATER ^{100/100/100} 100/100/100

IMPORTANCE THREE OR GREATER ^{10/15/15} 1/1/1

PROTON EVENTS 1/1/1

D. THE OTTAWA 10.7 CM FLUX TODAY IS ESTIMATED TO BE 130
THE PREDICTED VALUES FOR APRIL 28-30 ARE 135/140/143.

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

BT

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO
SPACE DISTURBANCE FORECAST NUMBER 512B ISSUED AT 2300Z

APRIL 27 1967

- A. THERE HAS BEEN NO ACTIVITY REPORTED SINCE THE FLARE
AT 1604Z. AT LATEST REPORT THE REGION NEAR SOUTHEAST
LIMB HAD NOT SHOWN INDICATIONS OF SIGNIFICANT GROWTH
CMMMA THOUGH THERE MAY STILL BE MORE TO THE REGION NOT
YET VISIBLE. THE SUNSPOT GROUP AT S18 E29 HAS UNDERGONE
SOME GROWTH AND NOW HAS AN AREA OF ABOUT 100 MILLIONTHS.
A NEW REGION AT N32 W13 IS GROWING BUT IS STILL VERY
SMALL. ALL OTHER REGIONS APPEAR STABLE.
- B. MAJOR FLARES ARE NOT LIKELY AT THIS TIME. HOWEVER CMMMA
EITHER FURTHER DEVELOPMENTS IN THE REGION NEAR SOUTHEAST
LIMB OR THE RETURN OF A PREVIOUSLY GROWING REGION IN THE
NORTH ON APRIL 29 MAY INCREASE THESE PROBABILITIES.
- C. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE
THREE DAY PERIOD APRIL 28-30 ARE AS FOLLOWS /FIGURES ARE
PERCENTAGES FOR EACH OF THE THREE DAYS/
IMPORTANCE ONE OR GREATER 100/100/100
IMPORTANCE TWO OR GREATER 10/15/15
IMPORTANCE THREE OR GREATER 1/1/1
PROTON EVENTS 1/1/1
- D. THE OTTAWA 10.7 CM FLUX TODAY IS 127. THE PREDICTED
VALUES FOR APRIL 28-30 ARE 135/140/143
- E. THE FREDERICKSBURG MAGNETIC A INDEX FOR YESTERDAY WAS 2.
TODAY IT WILL BE ABOUT 1. THE PREDICTED AP VALUES FOR
APRIL 28-30 ARE 3/3/5

-BT