

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SPACE DISTURBANCE FORECAST NUMBER 514A ISSUED AT 1700Z

APRIL 29 1967.

A. SOLAR ACTIVITY CONTINUES LIMITED TO OCCASIONAL SUBFLARES.

BOTH SUNSPOTS AND PLAGE IN ALL THE VISIBLE REGIONS INDICATE LOW AND GENERALLY DECREASING POTENTIAL FOR ACTIVITY.

THE REGION AT N26 W22 WHICH APPEARED MAGNETICALLY COMPLEX YESTERDAY HAS DECAYED CONSIDERABLY. MINOR GROWTH HAS OCCURRED IN A REGION AT N13 E23. A REGION HAS RETURNED AT NE LIMB BUT SO FAR DOES NOT EXHIBIT A SUNSPOT GROUP.

B. A SMALL INCREASE IN THE GENERAL LEVEL OF ACTIVITY MAY OCCUR WITH THE RETURN OF REGIONS AT NE LIMB TOMORROW.

LOSS OF SMALL REGIONS AT WEST LIMB AND FURTHER DECAY OF REGIONS ON THE DISK COULD WELL BALANCE THIS INCREASE. NO MAJOR ACTIVITY IS LIKELY DURING THE FORECAST PERIOD.

C. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE THREE DAY PERIOD APRIL 30-MAY 2 ARE AS FOLLOWS /FIGURES ARE PERCENTAGES FOR EACH OF THE THREE DAYS/

IMPORTANCE ONE OR GREATER 95/95/95

IMPORTANCE TWO OR GREATER 5/5/5

IMPORTANCE THREE OR GREATER 1/1/1

PROTON EVENTS 2/2/2

D. THE OTTAWA 10.7 CM FLUX TODAY IS ESTIMATED TO BE 136. THE PREDICTED VALUES FOR APRIL 30-MAY 2 ARE 138/138/138.

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 514B ISSUED AT 2300Z
APRIL 29 1967.

A. SOLAR ACTIVITY REMAINS VERY LOW WITH VIRTUALLY NO EVENTS OF ANY SIZE BEING REPORTED SINCE THE PREVIOUS FORECAST. THE MOST INTERESTING REGION NOW APPEARS TO BE ONE AT S20 E58 WHICH HAS EXHIBITED AN INCREASE IN RADIO TEMPERATURE AT BOTH 9.1 CM AND 3 MM. IT HAS BEEN THE LOCATION OF THE MOST SUBFLARE ACTIVITY TODAY. FAINT REGIONS HAVE RETURNED AT BOTH NE AND SE LIMBS BOTH WITH A SINGLE TINY SUNSPOT. TWO IMPORTANCE ONE FLARES OCCURRED YESTERDAY AT 1248Z AND 1448Z. BOTH WERE IN THE REGION AT N20 W55 WHICH CONTAINS A SMALL TYPE J SUNSPOT.

B. A SLIGHT INCREASE IN ACTIVITY MAY RESULT FROM THE RETURN OF AN ADDITIONAL REGION AT EAST LIMB TOMORROW AND FROM POSSIBLE ACTIVITY IN THE SE REGION MENTIONED ABOVE. WEST LIMB PASSAGE OF SMALL REGIONS PLUS DECAYING REGIONS ON THE DISK WILL TEND TO OFFSET THE INCREASES.

C. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE THREE DAY PERIOD APRIL 30-MAY 2 ARE AS FOLLOWS /FIGURES ARE PERCENTAGES FOR EACH OF THE THREE DAYS/

IMPORTANCE ONE OR GREATER 95/95/95

IMPORTANCE TWO OR GREATER 10/10/10

IMPORTANCE THREE OR GREATER 1/1/1

PROTON EVENTS 2/2/2

D. THE OTTAWA 10.7 CM FLUX TODAY IS 136. THE PREDICTED VALUES FOR APRIL 30-MAY 2 ARE 139/139/139.

E. THE FREDERICKSBURG MAGNETIC A INDEX FOR YESTERDAY WAS 2. TODAY IT WILL BE ABOUT 4. THE PREDICTED AP VALUES FOR

APRIL 30-MAY 2 -ARE 10/10/10.

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