

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO VIA AGIWARN

SPACE DISTURBANCE FORECAST NUMBER 324 OCTOBER 21 1966

A SOLAR FLARE ACTIVITY IS RELATIVELY LOW EITH ONLY SUBFLARES REPORTED TODAY. ALL OF THESE HAVE OCCURRED BETWEEN THE SUNSPOT GROUPS AT N21W49 AND N14W49. THIS LOCATION PRODUCED IMPORTANCE ONE FLARES YESTERDAY AT 1612Z CMMA 1903Z AND 2153Z.

THE FORMER CONTINUES A TYPE E WITH A SMALL AREA OF 90 MILLIONTHS. THE LATTER HAS SHOWN MAJOR GROWTH SINCE YESTERDAY AND IS NOW TYPE D AND AREA ABOUT 350 MILLIONTHS. ITS STRUCTURE IS SIMPLE AND LITTLE ACTIVITY IS ANTICIPATED FROM IT. A GROUP AT N12E51 HAS ALSO GROWN RAPIDLY SINCE YESTERDAY. IT IS TYPE D AND AREA ABOUT 150 MILLIONTHS. ITS STRUCTURE IS ALSO SIMPLE AND DOES NOT SHOW POTENTIAL FOR IMPORTANT FLARES. THE LARGE H SPOT AT N07W64 WILL PASS OVER WEST LIMB BY OCTOBER 24.

B. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE THREE DAY PERIOD OCTOBER 22↑24 ARE AS FOLLOWS/FIGURES ARE PERCENTAGES FOR EACH OF THE THREE DAYS/

IMPORTANCE ONE OR GREATER FLARES 95/95/95

IMPORTANCE TWO OR GREATER FLARES 30/30/30

IMPORTANCE THREE OR GREATER FLARES 5/5/5

PROTON EVENTS 10/10/10

C. THE OTTAWA 10.7 CM FLUX TODAY WAS 120. THE PREDICTED VALUES FOR THE THREE DAY PERIOD OCTOBER 22↑24 ARE 121/122/119.

D. THE FREDERICKSBURG MAGNETIC A INDEX YESTERDAY WAS 4. TODAY IT WILL BE ABOUT 2. THE PREDICTED VALUES FOR THE THREE DAY PERIOD OCTOBER 22↑24 ARE 8/10/13