

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO VIA AGIWARN

SPACE DISTURBANCE FORECST NUMBER 319 OCTOBER 16, 1966.

A. IMPORTANCE TWO FLARES MAY BE EXPECTED ABOUT ONE PER 48 HOURS

F1 I THE REGION NOW AT N22E15 . THE SUNSPOT GROUP HERE CONTINUES AS A TYPE E WITH AREA JUST OVER 300 MILLIONTHS WITH NO MAJOR GROWTH IN LAST TWO DAYS. THE SPOTS ARE NUMEROUS BUT SMALL AND THE PNEUMBRA IS POORLY DEVELOPED. NUMEROUS SUBFLARES AND ONE IMPORTANCE ONE FLARE HAVE BEEN REPORTED FROM THIS REGION TODAY.

MODERATE GREEN CORONA AND FAINT PLAGE AT NE LIMB INDICATE THAT THE REGION EXPECTED TO REAPPEAR TOMORROW WILL NOT BE ACTIVE.

B. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE

THREE DAY PERIOD OCTOBER 17-19 ARE AS FOLLOWS /FIGURES ARE PERCENTAGES FOR EACH OF THE THREE DAYS-

IMPORTANCE ONE OR GREATER FLARES 100/100/100

IMPORTANCE TWO OR GREATER FLARES 50/50/70

IMPORTANCE THREE OR GREATER FLARES 15/15/15

PROTON EVENTS 10/10/10

CORRECTION FOR IMPORTANCE TWO OR GREATER WHICH SHOULD BE 40/40/40

C. THE OTTAWA 10.7 CM FLUX WAS 121. THE PREDICTED VALUES FOR THE THREE DAY PERIOD OCTOBER 17-19 ARE 122/121/120.

D. THE FREDERICKSBURG MAGNETIC A INDEX YESTERDAY WAS 12. TODAY IT WILL BE ABOUT 22. THE PREDICTED VALUES FOR THE THREE DAY PERIOD OCTOBER 17-19 ARE 11/7/7.

FJBXX