

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO VIA AGIWARN

TOTAL SPACE DISTURBANCE FORECAST NUMBER 305 OCTOBER 02 1966.

A. A SUNSPOT GROUP IN A MODERATELY BRIGHT PLAGE HAS APPEARED ON EAST LIMB AT ABOUT N20. THIS REGION APPEARS TO BE RELATED TO THE REGION WHICH DISPLAYED YELLOW CORONA AT WEST LIMB PASSAGE. THE SPOT GROUP THUS FAR VISIBLE SEEMS TO BE RATHER SMALL AND OF A SIMPLE CONFIGURATION BUT IT IS LIKELY THAT MORE OF THE REGION IS YET TO COME OVER THE LIMB. EMISSION AT 9.1 CM WAS DETECTED FROM THIS LOCATION LATE YESTERDAY. THE SPOT GROUP AT S15 W31 HAS DECLINED SOMEWHAT SINCE YESTERDAY AND HAS PRODUCED NOTHING LARGER THAN SUBFLARES FOLLOWING CLASS ONE FLARES AT ABOUT 1601 AND 1736Z YESTERDAY. ANOTHER SPOT GROUP AT S19 W54 ALTHOUGH SMALL CMMB HAS GROWN SOMEWHAT SINCE YESTERDAY AND HAS PRODUCED SUBFLARES. THE SPOT GROUP AT N23 W71 HAS DECLINED AS HAS ITS EMISSION AT 9.1 CM.

B. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE THREE DAY PERIOD OCTOBER 03-05 ARE AS FOLLOWS /FIGURES ARE PERCENTAGES FOR EACH OF THE THREE DAYS/

IMPORTANCE ONE FLARES 85/90/90

IMPORTANCE TWO FLARES 15/15/20

IMPORTANCE THREE FLARES 2/2/2

IMPORTANCE FOUR FLARES 0/0/0

PROTON EVENTS 2/1/0

C. THE OTTAWA 10.7 CM FLUX TODAY WAS 102. PREDICTED VALUES FOR THE THREE DAY PERIOD OCTOBER 03-05 ARE 104/107/109.

D. THE FREDERICKSBURG MAGNETIC I INDEX YESTERDAY WAS 6.

TODAY IT WILL BE ABOUT 2. PREDICTED VALUES FOR THE THREE DAY PERIOD OCTOBER 03-05 ARE 7/7/7.