

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

VIA AGIWARN

SPACE DISTURBANCE FORECAST NUMBER 375A ISSUED 1700Z

DECEMBER 11 1966

A. SOLAR CONDITIONS CONTINUE TO BE ACTIVE. THE REGION AT N22 E25 WHICH PRODUCED TWO IMPORTANCE TWO FLARES YESTERDAY SEEMS TO BE DECLINING TODAY AND HAS ONLY PRODUCED SUBFLARES SINCE YESTERDAY. IT S SUNSPOT STRUCTURE IS LESS COMPLEX AND IS LESS LIKELY TO PRODUCE MAJOR FLARES. THE REGION AT S22 W01 CONTINUES TO GROW WITH A SUNSPOT AREA OF 750 MILLIONTHS TODAY. SO FAR THIS REGION HAS ONLY PRODUCED ONE IMPORTANCE ONE FLARE BUT IT STILL APPEARS CAPABLE OF MAJOR FLARE ACTIVITY. THE NEW REGION AT N20 E74 PRODUCED AN IMPORTANCE ONE FLARE TODAY AT 0537Z. THERE WAS ALSO AN IMPORTANCE TWO SURGE ON THE DISK NEAR THIS REGION AT 0020Z TODAY . THIS SURGE WAS MOST LIKELY ASSOCIATED WITH ANOTHER RETURNING REGION EXPECTED ON 12 DEC.

B. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE THREE DAY PERIOD DECEMBER 12-14 ARE AS FOLLOWS /FIGURES ARE PERCENTAGES FOR EACH OF THE THREE DAYS/

IMPORTANCE ONE OR GREATER 100/100/100

IMPORTANCE TWO OR GREATER 70/70/70

IMPORTANCE THREE OR GREATER 15/15/15

PROTON EVENTS 10/10/10

C. THE OTTAWA 10CM FLUX TODAY IN EXPECTED TO BE ABOUT 166. PREDICTED VALUES FOR THE THREE DAY PERIOD DECEMBER 12-14 ARE 175/180/180.

D. THE FREDERICKSBURG MAGNETIC INFORMATION WILL BE INCLUDED ON THE 2300Z FORECAST.

BT

ADVBO ALCON

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

VIA AGIWARN

SPACE DISTURBANCE FORECAST NUMBER 375B ISSUED 2300Z

DECEMBER 11 1966

A. SOLAR ACTIVITY CONTINUES WITH LITTLE CHANGE <sup>FROM</sup> ~~FOR~~ THIS MORNING. THE REGION AT S21 W06 PRODUCED TWO IMPORTANCE ONE FLARES TODAY AT 1558Z AND 1914Z CMMA IT IS EXPECTED TO CONTINUE PRODUCING FLARES AT LEAST AS LARGE AS IMPORTANCE ONE. THE REGION AT N22 E25 REMAINS RELATIVELY QUIET TODAY PRODUCING ONLY SUBFLARES SO FAR. THE REGION EXPECTED TO RETURN TO THE NORTH EAST LIMB TOMORROW ISEVIDENCED BY A 9.1 CM ENHANCEMENT CMMA BRIGHT GREEN LINE CMMA AND MODERATE YELLOW LINE CORONA. THE PLAGE AND SUNSPOTS ARE NOT YET VISIBLE BUT IT IS NOW ONLY EXPECTED TO BE MODERATLY ACTIVE.

B. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE THREE DAY PERIOD DECEMBER 12-14 ARE AS FOLLOWS/FIGURES ARE PERCENTAGES FOR EACH OF THE THREE DAYS/  
IMPORTANCE ONE OR GREATER 100/100/100  
IMPORTANCE TWO OR GREATER 70/70/70  
IMPORTANCE THREE OR GREATER 15/15/15

PROTON EVENTS 10/10/10

C. THE OTTAWA 10.7 CM FLUX TODAY WAS 164. PREDICTED VALUES FOR THE THREE DAY PERIOD DECEMBER 12-14 ARE 170/175/175.

D. THE FREDERICKSBURG MAGNETIC A INDEX YESTERDAY WAS 02. TODAY IT WILL BE ABOUT 02. PREDICTED VALUES FOR THE THREE DAY PERIOD DECEMBER 12-14 ARE 9/12/7.

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