

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

VIA AGIWARN

SPACE DISTURBANCE FORECAST NUMBER 394A ISSUED 1700Z

DECEMBER 30 1966

A. SOLAR ACTIVITY IS INCREASING WITH THE ROTATION ONTO THE DISK OF THE REGION IN THE NORTHEAST AND APPARENT DEVELOPMENT INT THE SOUTHEAST. THE REGION NEAR N19E77 NOW REPORTEDLY CONTAINS A J TYPE SPOT GROUP WITH AREA GREATER THAN 100 MILLIONTHS. THE ASSOCIATED H-ALPHA PLAGE IS MODERATELY BRIGHT BUT SMALL. THE SUNSPOT GROUP NEAR S22E33 IS REPORTED TO BE GROWING BUT IS STILL SMALL AND OF ZURICH CLASS B. ALL OTHER SPOT GROUPS APPEAR TO BE ESSENTIALLY UNCHANGED.

B. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE THREE DAY PERIOD DECEMBER 31- JANUARY 2 ARE AS FOLLOWS/FIGURES ARE PERCENTAGES FOR EACH OF THE THREE DAYS

IMPORTANCE ONE OR GREATER 95/100/100

IMPORTANCE TWO OR GREATER 5/10/10

IMPORTANCE THREE OR GREATER 0/1/1

PROTON EVENTS 0/0/1

C. THE OTTAWA 10.7 CM FLUX TODAY IS EXPECTED TO BE ABOUT 118. PREDICTED VALUES FOR THE THREE DAY PERIOD DECEMBER 31- JANUARY 02 ARE 121/125/129.

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

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FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

VIA AGIWARN

SPACE DISTURBANCE FORECAST NUMBER 394B ISSUED 2300Z

DECEMBER 30 1966

A. SOLAR ACTIVITY IS INCREASING AND IT HAS UNDERGONE A SIGNIFICANT CHANGE OF CHARACTER. AT LEAST TWELVE <sup>U</sup><sub>S</sub> SPOT GROUPS HAVE BEEN REPORTED TODAY INDICATING A RATHER GENERAL INCREASE IN ACTIVITY. ONLY TWO REGIONS ARE OF PARTICULAR INTEREST. A TYPE C GROUP OF ABOUT 150 MILLIONTHS AREA HAS APPEARED AT N18E75 /HELIOPHASIC POSITION 27218/. IT IS WITHIN A BRIGHT COMPACT PLAGE. HP 31872 /S22E32/ HAS GROWN REPIDLY FROM YESTERDAY AND NOW HAS A TYPE D GROUP OF 120 MILLIONTHS AREA. ALL OTHER SPOT GROUPS ARE VERY SMALL. ADDITIONAL REGIONS ARE EXPECTED TO RETURN AT EAST LIMB DURING EACH OF THE NEXT THREE DAYS. THE HELIOGRAPHIC LONGITUDES NOW NEAR EAST LIMB HAVE BEEN THE MOST ACTIVE LONGITUDES OVER THE PAST 18 MONTHS.

B. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE THREE DAY PERIOD DECEMBER 31- JANUARY 02 ARE AS FOLLOWS/FIGURES ARE PERCENTAGES FOR EACH OF THE THREE DAYS

IMPORTANCE ONE OR GREATER 100/100/100

IMPORTANCE TWO OR GREATER 10/15/20

IMPORTANCE THREE OR GREATER 1/2/5

PROTON EVENTS 0/0/1

C. THE OTTAWA 10.7 CM FLUX TODAY IS 119. PREDICTED VALUES FOR THE THREE DAY PERIOD DECEMBER 31- JANUARY 02 ARE 125/129/132.

D. THE FREDERICKSBURG MAGNETIC A INDEX YESTERDAY WAS 8. TODAY IT WILL BE ABOUT 4. PREDICTED VALUES FOR THE THREE DAY PERIOD DECEMBER 31- JANUARY 02 ARE 9/9/6.

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