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DE BOU 261720Z

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

VIA AGIWARN

SPACE DISTURBANCE FORECAST NUMBER 421A ISSUED AT 1700Z

JANUARY 26 1967

A. THE CM LONGITUDE AT 1700Z IS 354 DEGREES. SOLAR ACTIVITY AS EVIDENCED BY 10 CM RADIO FLUX IS EXPECTED TO INCREASE OVER THE NEXT SEVERAL DAYS. THIS IS DUE TO THE RETURN TO EAST LIMB OF LONGITUDES WHICH HAVE CONSISTENTLY BEEN ACTIVE FOR THE PAST SEVERAL ROTATIONS. 10 CM FLUX AT 1400Z TODAY WAS 164 WHICH WAS AN INCREASE OF 15 UNITS FROM YESTERDAYS 1700Z VALUE. A NEW SPOT GROUP AT NORTHEAST LIMB IS ASSOCIATED WITH THE RETURNING ACTIVE CENTERS. THE COMPLICATED CLUSTER OF SPOT GROUPS IN THE NORTHWEST QUADRANT CONTINUES TO PRODUCE MINOR FLARES. THE NUMEROUS SPOTS HAVE CONTINUE TO BE SMALL BUT THEIR ARRANGEMENT IS CONTINUALLY CHANGING. THE UNUSUAL ASPECT OF THIS AREA OF THE SUN GIVE REASON FOR A CONTINUED EXPECTATION OF ACTIVITY HERE. AN ADDITIONAL GROUP HAS FORMED TODAY SOUTH OF THIS UNUSUAL CLUSTER OF REGIONS.

B. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE THREE DAY PERIOD JANUARY 27-29 ARE AS FOLLOWS /FIGURES ARE PERCENTAGES FOR EACH OF THE THREE DAYS/

IMPORTANCE ONE OR GREATER 100/100/100

IMPORTANCE TWO OR GREATER 20/25/30

IMPORTANCE THREE OR GREATER 1/1/2

PROTON EVENTS 1/1/1

C. THE OTTAWA 10.7 CM FLUX TODAY WILL BE ABOUT 164. THE PREDICTED VALUES FOR JANUARY 27-29 ARE 169/175/180

D. THE FREDERICKSBURG MAGNETIC A INDEX 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 421B ISSUED AT 2300Z

JANUARY 26 1967

A. THE CM LONGITUDE AT 2300Z IS 351 DEGREES. SOLAR ACTIVITY IS EXPECTED TO CONTINUE INCREASING ALTHOUGH NO SIGNIFICANT EVENTS HAVE BEEN REPORTED SINCE 1700Z TODAY. THE COMPLEX OF REGIONS IN THE NORTHWEST QUADRANT HAS INCREASED IN EMISSION AT 3.2 MM WAVELENGTH. THE PLAGE ASSOCIATED WITH SPOT GROUP 32074 /S24 E37/ HAS BECOME VERY BRIGHT. EXCEPTIONALLY BRIGHT GREEN CORONA ON THE NORTHEAST LIMB IS ASSOCIATED WITH THE EXPECTED RETURNING REGIONS.

B. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE THREE DAY PERIOD JANUARY 27-29 ARE AS FOLLOWS /FIGURES ARE PERCENTAGES FOR EACH OF THE THREE DAYS/

IMPORTANCE ONE OR GREATER 100/100/100

IMPORTANCE TWO OR GREATER 20/25/30

IMPORTANCE THREE OR GREATER 2/2/5

PROTON EVENTS 1/1/1

C. THE OTTAWA 10.7 CM FLUX TODAY IS 159. THE PREDICTED VALUES FOR JANUARY 27-29 ARE 163/170/176

A. THE FREDERICKSBURG MAGNETIC A INDEX FOR ESTERDAY WAS 4. TODAY IT WILL BE ABOUT 5. THE PREDICTED VALUES FOR JANUARY 27-29 ARE 15/11/7