

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

VIA AGIWARN

SPACE DISTURBANCE FORECAST NUMBER 419A ISSUED AT 1700Z

JANUARY 24 1967

A. THE CM LONGITUDE AT 1700Z IS 21 DEGREES. SOLAR ACTIVITY AS EVIDENCED BY 10 CM FLUX IS NOW TENDING DOWNWARDS AND FLARE ACTIVITY REMAINS LOW. ALL VISIBLE ACTIVE CENTERS SHOW SIGNS OF DECAYING HOWEVER THE CLUSTER OF SPOT GROUPS CENTERED AROUND N19 E14 /01019/ STILL BEARS WATCHING. THIS CENTER HAS PRODUCED MANY SUBFLARES. ITS EVOLUTION HAS BEEN CONFUSING AND IT STILL COULD DEVELOP TO BECOME A SOURCE OF MAJOR FLARES. IT IS A STRONG SOURCE OF EMISSION AT 9.1 CM WAVELENGTH. AN IMPORTANCE ONE FLARE HERETOFORE UNREPORTED OCCURRED YESTERDAY AT 1512Z IN REGION 07010. THIS SPOT GROUP IS NOW DEFINITELY DECLINING.

B. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE THREE DAY PERIOD JANUARY 25-27 ARE AS FOLLOWS /FIGURES ARE PERCENTAGES FOR EACH OF THE THREE DAYS/

IMPORTANCE ONE OR GREATER 100/100/100

IMPORTANCE TWO OR GREATER 20/20/20

IMPORTANCE THREE OR GREATER 1/1/1

PROTON EVENTS 0/0/0

C. THE OTTAWA 10.7 CM FLUX TODAY IS EXPECTED TO BE 150.

THE PREDICTED VALUES FOR JANUARY 25-27 ARE 148/144/144

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

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SPACE DISTURBANCE FORECAST NUMBER 419B ISSUED AT 2300Z

JANUARY 24 1967

A. THE LONGITUDE OF CM AT 2300Z IS 17 DEGREES. SPOT GROWTH AND MINOR FLARE ACTIVITY IS INCREASING IN THE NORTHERN HEMISPHERE. A NEARLY CONTINUOUS BAND OF MANY SMALL SUNSPOTS EXTENDS FOR 70 DEGREES ACROSS THE CENTER OF THE SUN. THE NORTH CENTRAL GROUPS FROM A CONFUSED COMPLEX WHICH IS PRODUCING MOST OF TODAYS FLARE ACTIVITY. AN IMPORTANCE ONE FLARE OCCURRED THERE AT 2025Z. THE SPOTS ALL ALONG THIS CHAIN SHOW EVIDENCE OF REGROUPING AND POTENTIAL FOR GROWTH. FACULAE AT N22 E LIMB INDICATES THAT ANOTHER ACTIVE REGION MAY APPEAR TOMORROW.

B. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE THREE DAY PERIOD JANUARY 25-27 ARE AS FOLLOWS /FIGURES ARE PERCENTAGES FOR EACH OF THE THREE DAYS/

IMPORTANCE ONE OR GREATER 100/100/100

IMPORTANCE TWO OR GREATER 25/25/25

IMPORTANCE THREE OR GREATER 2/2/2

PROTON EVENTS 2/2/2

C. THE OTTAWA 10.7 CM FLUX TODAY IS 152. THE PREDICTED VALUES FOR JANUARY 25-27 ARE 155/158/165

D. THE FREDERICKSBURG MAGNETIC A INDEX FOR YESTERDAY WAS 4. TODAY IT WILL BE ABOUT 1. THE PREDICTED VALUES FOR JANUARY 25-27 ARE 5/11/11

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