

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

VIA AGIWARN

SPACE DISTURBANCE FORECAST NUMBER 416A ISSUED AT 1700Z

JANUARY 21 1967

A. CM LONGITUDE AT 1700Z IS 60 DEGREES. SOLAR ACTIVITY IS EXPECTED TO INCREASE RAPIDLY OVER THE NEXT THREE DAYS. THE VISIBLE CHARACTERISTICS OF THE SOLAR REGIONS DO NOT APPEAR TO HAVE CHANGED GREATLY HOWEVER SPOT GROUPS 04515 AND 01019 HAVE INCREASED SUBSTANTIALLY IN 9.1 CM FLUX EMISSION. SPOT GROUP 01019 IS GROWING BUT IT IS STILL RELATIVELY SMALL. NUMEROUS MINOR FLARES HAVE OCCURRED THERE AND IT WILL BE A POTENTIAL MAJOR FLARE PRODUCER IF GROWTH CONTINUES. OF PARTICULAR SIGNIFICANCE IS THE PRESENCE OF STRONG 9.1 CM EMISSION AT THE NORTHEAST LIMB AND MODERATE EMISSION AT THE SOUTHEAST LIMB. THE SOURCES ARE BELIEVED TO BE RELATED TO REGIONS 31516 AND 32072 OF LAST ROTATION WHICH ARE DUE TO RETURN TO EAST LIMB TOMORROW.

B. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE THREE DAY PERIOD JANUARY 22-24 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 5/10/10

PROTON EVENTS 2/5/5.

C. THE OTTAWA 10.7 CM FLUX TODAY IS EXPECTED TO BE ABOUT 144. THE PREDICTED VALUES FOR JANUARY 22-24 ARE 152/160/165.

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

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VIA AGIWARN

SPACE DISTURBANCE FORECAST NUMBER ^{416 B}~~416A~~ ISSUED AT 2300Z

JANUARY 21 1967

A. CM LONGITUDE AT 2300Z IS 57 DEGREES. SOLAR ACTIVITY CONTINUES TO INCREASE HOWEVER THE EAST LIMB 9.1 CM SOURCES DISCUSSED IN SDF 416A REPORTEDLY HAVE DIMINISHED. REGION 21019 PRODUCED AN IMPORTANCE ONE FLARE WITH ASSOCIATED X-RAY EMISSION AT ABOUT 2140Z TODAY. NO SIGNIFICANT CHANGES HAVE OCCURRED IN ANY OF THE VISIBLE REGIONS.

B. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE THREE DAY PERIOD JANUARY 22-24 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 5/10/10

PROTON EVENTS 2/5/5.

C. THE OTTAWA 10.7 CM FLUX TODAY ~~IS EXPECTED TO BE ABOUT 143.~~
THE PREDICTED VALUES FOR JANUARY 22-24 ARE 152/160/165.

D. THE FREDERICKSBURG MAGNETIC A INDEX YESTERDAY WAS 8.
TODAY IT WILL BE ABOUT 5. THE PREDICTED VALUES FOR JANUARY 22-24 ARE 11/11/11.

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