

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

VIA AGIWARN

SPACE DISTURBANCE FORECAST NUMBER 442A ISSUED AT 1700Z

FEBRUARY 16 1967

- A. SOLAR FLARE ACTIVITY REMAINS LOW WITH FEW FLARES REPORTED. THE 10 CM OTTAWA NOISE FLUX IS EXPECTED TO BEGIN A GRADUAL INCREASE. REGIONS ON THE DISK REMAIN STABLE OR DECLINING IN AREA AND SUNSPOT COUNT. THE REGIONS NEAR THE NORTH EAST LIMB ARE IDENTIFIED AS RETURNING REGIONS AND APPEAR TO BE RELATIVELY STABLE AND INACTIVE. AN IMPORTANCE ONE FLARE WAS OBSERVED THERE AT 2304Z YESTERDAY. MODERATE 9.1 CM RADIO NOISE EMISSION IS ASSOCIATED WITH THESE REGIONS. A MODERATELY LARGE MAGNETIC STORM BEGAN WITH A SUDDEN COMMENCEMENT YESTERDAY AT 2348Z AND IS STILL IN PROGRESS.
- B. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE THREE DAY PERIOD FEBRUARY 17-19 ARE AS FOLLOWS /FIGURES ARE PERCENTAGES FOR EACH OF THE THREE DAYS/
- IMPORTANCE ONE OR GREATER 100/100/100
- IMPORTANCE TWO OR GREATER 10/10/10
- IMPORTANCE THREE OR GREATER 1/1/1
- PROTON EVENTS 1/1/1
- C. THE OTTAWA 10.7 CM FLUX TODAY IS ESTIMATED TO BE 128. THE PREDICTED VALUES FOR FEBRUARY 17-19 ARE 130/132/134
- D. THE FREDERICKSBURG MAGNETIC A INDEX INFORMATION WILL BE INCLUDED ON THE 2300Z FORECAST.

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SPACE DISTURBANCE FORECAST NUMBER 442B ISSUED AT 2300Z
FEBRUARY 16 1967

A. THE 10 CM SOLAR RADIO NOISE FLUX IS EXPECTED TO INCREASE GRADUALLY OVER THE NEXT FEW DAYS DUE TO THE NORTHEAST REGIONS ROTATING FARTHER ONTO THE VISIBLE DISK. THESE REGIONS ARE MODERATE SOURCES OF EMISSION AT 9.1 CM WAVELENGTH. MINOR FLARES HAVE BEEN REPORTED THERE HOWEVER THEY ARE NOT CONSIDERED LIKELY TO PRODUCE MAJOR FLARE ACTIVITY. THE REMAINING VISIBLE SOLAR REGIONS ARE SMALL AND STABLE OR DECLINING. NO ADDITIONAL RETURNING REGIONS ARE EXPECTED UNTIL FEBRUARY 19.

B. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE THREE DAY PERIOD FEBRUARY 17-19 ARE AS FOLLOWS /FIGURES ARE PERCENTAGES FOR EACH OF THE THREE DAYS/

IMPORTANCE ONE OR GREATER 100/100/100

IMPORTANCE TWO OR GREATER 10/10/10

IMPORTANCE THREE OR GREATER 1/1/1

PROTON EVENTS 1/1/1

C. THE OTTAWA 10.7 CM FLUX TODAY IS 128. THE PREDICTED VALUES FOR FEBRUARY 17-19 ARE 130/132/134

D. THE FREDERICKSBURG MAGNETIC A INDEX FOR YESTERDAY WAS 7. TODAY IT WILL BE ABOUT 65. THE PREDICTED VALUES FOR FEBRUARY 17-19 ARE 12/6/3.