

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

VIA AGIWARN

SPACE DISTURBANCE FORECAST NUMBER 426A ISSUED AT 1700Z

JANUARY 31 1967

A. THE CM LONGITUDE AT 1700Z IS 289 DEGREES. 10 CM SOLAR RADIO NOISE FLUX REMAINS CONSTANT WITH THE PASSAGE OF THE COMPLEX REGION OVER THE NORTHWEST LIMB BALANCING CONTRIBUTIONS FROM REGIONS APPEARING ON EAST LIMB. THE NORTHWEST LIMB REGION PRODUCED YELLOW CORONA TODAY. A J TYPE SPOT GROUP HAS APPEARED AROUND THE EAST LIMB ASSOCIATED WITH THE YELLOW CORONA OF YESTERDAY. THIS GRUP HAS A VERY BRIGHT COMPACT PLAGE. WITH NEW SPOT GROUPS APPEARING AROUND THE LIMB WITHIN HISTORICALLY ACTIVE REGIONS SOLAR ACTIVITY IS EXPECTED TO INCREASE.

B. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE THREE DAY PERIOD FEBRUARY 1-3 ARE AS FOLLOWS /FIGURES ARE PERCENTAGES FOR EACH OF THE THREE DAYS/

IMPORTANCE ONE OR GREATER 100/100/100

IMPORTANCE TWO OR GREATER 40/40/40

IMPORTANCE THREE OR GREATER 10/10/100

PROTON EVENTS 15/15/15

C. THE OTTAWA 10.7 CM FLUX TODAY IS EXPECTED TO BE ABOUT 163. THE PREDICTED VALUES FOR FEBRUARY 1-3 ARE 166/172/176

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

BT

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO
VIA AGIWARN

SPACE DISTURBANCE FORECAST NUMBER 426B ISSUED AT 2300Z
JANUARY 31 1967

A. THE CM LONGITUDE AT 2300Z IS 285 DEGREES. THE REGION
WITH ASSOCIATED SMALL SUNSPOT GROUP NOW VISIBLE NEAR
NORTHEAST LIMB DOES NOT APPEAR TO BE ACTIVE AS SUGGESTED
BY THE BRIGHT YELLOW CORONA OBSERVED YESTERDAY. ADDITIONAL
FACULAE IS EXPECTED TO APPEAR THERE TOMORROW EVIDENCED
BY BRIGHT GREEN CORONA CONTINUING TODAY. THE SUN AS VIEWED
IN WHITE LIGHT AND H-ALPHA DOES NOT PRESENTLY DISPLAY
FEATURES INDICATIVE OF THE OCCURRENCE OF MAJOR FLARES OR
PROTON EVENTS. THE CLUSTER OF REGIONS 01020 IS NOW PASSING
OVER NORTHWEST LIMB ACCOMPANIED BY FREQUENT SMALL SURGES.

B. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE
THREE DAY PERIOD FEBRUARY 01-03 ARE AS FOLLOWS/FIGURES
ARE PERCENTAGES FOR EACH OF THE THREE DAYS/

IMPORTANCE ONE OR GREATER 100/100/100

IMPORTANCE TWO OR GREATER 30/40/40

IMPORTANCE THREE OR GREATER 5/5/5

PROTON EVENTS 10/10/10

C. THE OTTAWA 10.7 CM FLUX TODAY IS 161. PREDICTED VALUES
FOR THE THREE DAY PERIOD FEBRUARY 01-03 ARE 162/164/166.

D. THE FREDERICKSBURG MAGNETIC A INDEX YESTERDAY WAS 02.
TODAY IT WILL BE ABOUT 02. PREDICTED VALUES FOR THREE DAY
PERIOD FEBRUARY 01-03 ARE 3/5/7.

BT