

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

VIA AGIWARN

SPACE DISTURBANCE FORECAST NUMBER 417A ISSUED AT 1700Z

JANUARY 22 1967

A. CM LONGITUDE AT 1700Z IS 47 DEGREES. SOLAR ACTIVITY CONTINUES TO INCREASE. THE RETURNING REGION AT SOUTHEAST LIMB IS NOW THE REGION OF GREATEST INTEREST. SURGES AND LOOP-TYPE PROMINENCES STRUCTURES HAVE BEEN REPORTED THERE AND A SPOT GROUP IS JUST NOW BECOMING VISIBLE AS IT ROTATES OVER THE LIMB. THE SPOT GROUP IS ESTIMATED TO BE AT S22 AND AT THIS TIME APPEARS TO BE CLASS J WITH AREA 80-100 MILLIONTHS. MINOR GROWTH HAS OCCURRED IN SPOT GROUP 01019. SPOT GROUPS 07012 AND 04515 BOTH APPEAR TO BE DECLINING.

B. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE THREE DAY PERIOD JANUARY 23-25 ARE AS FOLLOWS/FIGURES ARE PERCENTAGES FOR EACH OF THE THREE DAYS/

IMPORTANCE ONE OR GREATER 100/100/100

IMPORTANCE TWO OR GREATER 25/30/30

IMPORTANCE THREE OR GREATER 5/10/10

PROTON EVENTS 2/5/5

THE OTTAWA 10.7 CM FLUX TODAY IS EXPECTED TO BE ABOUT 147.

THE PREDICTED VALUES FOR JANUARY 23-25 ARE 155/162/165.

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 417B ISSUED AT 2300Z

JANUARY 22 1967

A. :. 09, & 857\$3 -5 2300Z IS 45 DEGREES. SOLAR ACTIVITY CONTINUES TO INCREASE WITH DEVELOPING REGIONS IN THE NORTHEAST AND A RETURNING ACTIVE REGION AT THE SOUTHEAST LIMB. SPOT GROUP 01019 HAS EXHIBITED MARKED GROWTH OVER THE PAST FEW HOURS. A NEW GROUP HAS DEVELOPED AHEAD OF 01019 AND THERE ARE GROUPS FOLLOWING IT RESULTING IN VIRTUALLY A CONTINUOUS CHAIN OF SPOTS IN THE NORTHEAST QUADRANT FROM ABOUT E20-E60. THE SPOT GROUP AT S22 E65 NOW APPEARS TO BE CLASS H WITH AREA ABOUT 250 MILLIONTHS. SPOT GROUPS 07012 AND 04515 BOTH APPEAR TO BE DECLINING BUT SHOULD NOT BE DISMISSED.

B. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE THREE DAY PERIOD JANUARY 23-25 ARE AS FOLLOWS/FIGURES ARE PERCENTAGES FOR EACH OF THE THREE DAYS/

IMPORTANCE ONE OR GREATER 100/100/100

IMPORTANCE TWO OR GREATER 25/30/30

IMPORTANCE THREE OR GREATER 5/10/10

PROTON EVENTS 2/5/5

C. THE OTTAWA 10.7 CM FLUX TODAY IS 144. THE PREDICTED VALUES FOR JANUARY 23-25 ARE 155/162/165.

D. THE FREDERICKSBURG MAGNETIC A INDEX YESTERDAY WAS 6. TODAY IT WILL BE ABOUT 2. THE PREDICTED VALUES FOR JANUARY 23-25 ARE 7/11/15/.

BT