

FROM SAPCE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

VIA AGIWARN

SPACE DISTURBANCE FORECAST NUMBER 400A ISSUED 1700Z

JANUARY 5 1966

A. SOLAR FLARE ACTIVITY HAS BEEN LOW FOR THE PAST DAY BUT IT MAY INCREASE AGAIN DUE TO RAPID GROWTH OF REGION 2641B /S13E27/. THE SUNSPOTS HERE HAVE INCREASED A FACTOR OF 4 TO A TYPE E GROUP OF 360 MILLIONTHS AREA. ITS OVERALL STRUCTURE IS CONSIDERED SIMPLE AT THIS TIME SUGGESTING THAT NO MAJOR FLARES WILL OCCUR HERE TODAY. FURTHER DEVELOPMENT IS LIKELY HOWEVER. THE LARGE REGION 31972 /S22W48/ HAS BEGUN TO DECAY BUT IT MAY CONTINUE TO FLARE OCCASIONALLY. ALL OTHER REGIONS ON THE DISK HAVE CHANGED ONLY SLIGHTLY SINCE YESTERDAY AND ARE NOT LIKELY TO PRODUCE MAJOR FLARES. CORONAL ACTIVITY CONTINUES AT NE LIMB INDICATING THAT AN ACTIVE REGION IS YET TO APPEAR THERE. RADIO FLUX CONTINUES A RAPID RISE AND IS NOW THE HIGHEST SO FAR THIS SOLAR CYCLE. A CONTINUED RISE IS EXPECTED.

B. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE THREE DAY PERIOD JANUARY 6-8 ARE AS FOLLOWS/FIGURES ARE PERCENTAGES FOR EACH OF THE THREE DAYS

IMPORTANCE ONE OR GREATER 100/100/100

IMPORTANCE TWO OR GREATER 50/50/50

IMPORTANCE THREE OR GREATER 10/10/10

PROTON EVENTS 10/10/10

C. THE OTTAWA 10.7 CM FLUX TODAY IS EXPECTED TO BE ABOUT 177.

PREDICTED VALUES FOR THE THREE DAY PERIOD JANUARY 6-8 ARE 182/184/178.

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

HAXX DAA 060025Z

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

VIA AGIWARN

SPACE DISTURBANCE FORECAST NUMBER 400B ISSUED 2300Z

JANUARY 05 1967

A. MAJOR FLARES MAY BE EXPECTED WITHIN THE NEXT 24 HOURS.

SOLAR ACTIVITY IS INCREASING DUE TO RAPID DEVELOPMENT IN REGION 26868 AT S18 CENTRAL MERIDIAN. THIS SPOT GROUP WAS ZURICH CLASS D WITH AREA 430 MILLIONTHS AT 1900Z TODAY. IT IS OF MAGNETIC CLASS GAMMA BUT CONTAINS TWO DELTA PENUMBRAL REGIONS CMMA EACH WITH SIGNIFICANT MAGNETIC FIELD GRADIENT.

SPOT GROUP 32072/S22W50/ REMAINS VERY LARGE AND OPTICALLY COMPLEX HOWEVER MAGNETICALLY IT HAS DEGENERATED TO A BETA.

Moderate corona still exists at northeast limb presaging a region due to appear there. Current evidence indicates it will be of only moderate to low activity. The Carrington longitude is 267.

B. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE

THREE DAY PERIOD JANUARY 6-8 ARE AS FOLLOWS /FIGURES

ARE PERCENTAGES FOR EACH OF THE THREE DAYS/

IMPORTANCE ONE OR GREATER 100/100/100

IMPORTANCE TWO OR GREATER 70/70/70

IMPORTANCE THREE OR GREATER 15/15/15

PROTON EVENTS 15/15/15

C. THE OTTAWA 10.7 CM FLUX TODAY IS 174. PREDICTED VALUES FOR

THE THREE DAY PERIOD JANUARY 6-8 ARE 182/184/180.

D. THE FREDERICKSBURG MAGNETIC A-INDEX YESTERDAY WAS ZERO.

TODAY IT WILL BE ABOUT 1. THE PREDICTED VALUES FOR THE THREE-DAY PERIOD JANUARY 6-8 ARE 3/5/5.