

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

VIA AGIWARN

SPACE DISTURBANCE FORECAST NUMBER 402A ISSUED 1700Z

JANUARY 7 1967.

A. SOLAR ACTIVITY CONTINUES A GENERAL DECLINE WITH A MAJOR REGION NOW NEAR SW LIMB AND MOST REGIONS ON THE DISK DECAYING. MAJOR FLARE ACTIVITY APPEARS UNLIKELY. REGION 30772 MAY PRODUCE CONSIDERABLE SMALL LIMB ACTIVITY DURING ITS WEST LIMB PASSAGE 8-9 JAN. THE SPOTS IN REGION 22223 ARE DEVELOPING. THE GROUP IS NOW A SMALL TYPE D WITH A SPOT CONFIGURATION INDICATIVE OF GOOD GROWTH POTENTIAL. THIS LOCATION IS NEAR THE SITE OF THE PROTON EMISSIONS OF SEPTEMBER 1966. SMALL FLARES ARE EXPECTED HERE TODAY. MINOR ACTIVITY IS ALSO EXPECTED IN REGION 26368. THE SPOT GROUP HERE SHOWS SIGNS OF STARTING TO DECAY. AN ACTIVE PROMINENCE AT NE LIMB PROBABLY IS ASSOCIATED WITH A PLAGE DUE TO APPEAR TOMORROW. IMPORTANCE ONE FLARES OCCURRED TODAY AT 0549Z /S23 W75/ AND YESTERDAY 2041Z /S18 W08/ AND 2050Z /S22 W60/. LONGITUDE OF CM TODAY AT 1700Z IS 245.

B. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE THREE DAY PERIOD JANUARY 8-10 ARE AS FOLLOWS/FIGURES ARE PERCENTAGES FOR EACH OF THE THREE DAYS

IMPORTANCE ONE OR GREATER 100/100/100

IMPORTANCE TWO OR GREATER 30/20/20

IMPORTANCE THREE OR GREATER 5/5/5

PROTON EVENTS 5/10/10

C. THE OTTAWA 10.7 CM FLUX TODAY IS EXPECTED TO BE ABOUT 155.

PREDICTED VALUES FOR THE THREE DAY PERIOD JANUARY 8-10 ARE

145/125/120.

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

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

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SPACE DISTURBANCE FORECAST NUMBER 402B ISSUED 2300Z

JANUARY 07 1967.

A. THE GENERAL LEVEL OF SOLAR ACTIVITY IS DECREASING ALTHOUGH THE FREQUENCY OF MINOR FLARES MAY INCREASE DURING THE NEXT FEW DAYS. THE TWELVE SUNSPOT GROUPS VISIBLE TODAY RESULT IN AN R NUMBER IN EXCESS OF 250, THE HIGHEST SO FAR IN CYCLE 20. THE LARGE REGION 30772 IS AT SW LIMB AND ITS LOSS WILL CAUSE A SIGNIGICANT DROP IN RADIO FLUX. REGION 22223 PROMISES TO DEVELOP INTO A MAJOR REGION AND IS PRESENTLY SUBFLARING. ITS SPOTS HAVE SHOWN VISIBLE GROWTH AND INCREASING COMPLEXITY DURING THE PAST 6 HOURS. THIS SAME LOCATION PRODUCED MAJOR FLARES LAST MONTH AND PROTONS IN SEPTEMBER. MINOR GROWTH IS OCCURRING IN REGION 25122. ALL OTHER REGIONS ON THE DISK ARE RELATIVELY INACTIVE AND DECLINING. AN ACTIVE REGION MAY APPEAR AT NE LIMB TOMORROW. LONGITUDE OF CM AT 2300Z IS 241.

B. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE THREE DAY PERIOD JANUARY 8-10 ARE AS FOLLOWS/FIGURES ARE PERCENTAGES FOR EACH OF THE THREE DAYS
IMPORTANCE ONE OR GREATER 100/100/100
IMPORTANCE TWO OR GREATER 30/20/20
IMPORTANCE THREE OR GREATER 5/5/5
PROTON EVENTS 5/10/10.

C. THE OTTAWA 10.7 CM FLUX TODAY WAS NOT AVAILABLE, BUT ESTIMATED AT 155. PREDICTED VALUES FOR THE THREE DAY PERIOD JANUARY 8-10 ARE 145/125/120.

D. THE FREDERICKSBURG MAGNETIC A INDEX YESTERDAY WAS 07. TODAY IT WILL BE ABOUT 20. THE PREDICTED VALUES FOR THE THREE DAY PERIOD JANURARY 8-10 ARE 15/10/10.