

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 W03/ 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
VIA AGIWARN

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