

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

VIA AGIWARN

SPACE DISTURBANCE FORECAST NUMBER 39⁹A ISSUED 1700Z

JANUARY 4 1967

- A. SOLAR ACTIVITY IS NOW STABILIZING AND IS EXPECTED TO BEGIN DECLINING WITHIN THE NEXT TWO DAYS. SUNSPOT GROUP 31972 /S22W32/ APPEARS TO HAVE DECLINED SLIGHTLY IN AREA AND SPOT COUNT SINCE 03.9 JANUARY. THE PLAGE REMAINS LARGE AND BRIGHT AND THE REGION HAD INCREASED IN 9.1 CM EMISSION AT LEAST THROUGH 03.9 JANUARY. NUMEROUS MINOR FLARES HAVE OCCURRED HERE AND THE REGION CONTINUES TO BE CAPABLE OF MAJOR FLARE ACTIVITY. SUNSPOT GROUPS 31415 /N15W29/ AND 26768 /S18E20/ HAVE BOTH GROWN SLIGHTLY. ALL OTHER SUNSPOT GROUPS APPEAR TO BE STABLE OR DECLINING. A BETA GAMMA SPOT GROUP REPORTED IN SDF 398B WAS ERRONEAOUSLY IDENTIFIED AS 27618 AT N18E23. IT SHOULD HAVE BEEN 31414 AT N14W15 YESTERDAY. FOR REFERENCE THE CARRINGTON LONGITUDE OF CENTRAL MERIDIAN AT 1700Z JANUARY 04 IS 284 DEGREES.
- B. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE THREE DAY PERIOD JANUARY 5-7 ARE AS FOLLOWS/FIGURES ARE PERCENTAGES FOR EACH OF THE THREE DAYS
- IMPORTANCE ONE OR GREATER 100/100/100
IMPORTANCE TWO OR GREATER 60/60/60
IMPORTANCE THREE OR GREATER 15/15/15
PROTON EVENTS 5/5/5
- C. THE OTTAWA 10.7 CM FLUX TODAY IS EXPECTED TO BE ABOUT 167. PREDICTED VALUS FOR THE THREE DAY PERIOD JANUARY 5-7 ARE 170/170/168.
- D. THE FREDERICKSBURG MAGNETIC A INDEX INFORMATION WILL BE INCLUDED ON THE 2300Z FORECAST.

BT

THIS AGIWARN 703-339-5771 GO

THIS IS BLDR WITH OUR FRCST SOFNET IS APPARENTLY HAYWIRE
SO HAD TO CUT A HURRIED TAPE ON THIS MACHINE HOPE IT LOOKS
OK HERE GOES

THIS BLDR FRCST CNTR HERE IS 2300Z FRCST FOR REFILE SORRY SO LATE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO
VIA AGIWARN

SPACE DISTURBANCE FORECAST NUMBER 399B ISSUED 2300Z
JANUARY 04 1967

A. SOLAR ACTIVITY MAY INCREASE STILL FURTHER FROM ITS PRESENT
MODERATELY HIGH LEVEL AS ANOTHER ACTIVE REGION IS RETURNING AT
NE LIMB. BRIGHT GREEN CORONA IS OBSERVED AT EAST LIMB AT ABOUT
N20. THIS INDICATES THE RETURN OF AN EXTENSIVE REGION WHICH
PRODUCED NUMEROUS FLARES LAST MONTH INCLUDING TWO IMPORTANCE
TWO FLARES. THE LARGE REGION 31972 / S22W35/ HAS PRODUCED NO
MORE THAN SUBFLARES TODAY BUT IT CONTINUES TO BRIGHTEN AT 9.1
CM AND THE SUNSPOTS RETAIN A LARGE AND SOMEWHAT COMPLEX APPEAR-
ANCE. THE REGION MAY INCLUDE A WEAK DELTA CONFIGURATION. THE
DARKNESS OF THE LEADER SPOT SUGGESTS A VERY STRONG MAGNETIC
FIELD STRENGTH. A FAINT IMPORTANCE ONE FLARE WAS REPORTED TODAY
AT 0354Z IN REGION 26218 /N18E24/. THE SUNSPOTS HERE FORM A
SMALL TYPE D GROUP WHICH IS LITTLE CHANGED FROM YESTERDAY.
REGION 26508 /N08E21/ IS NOW DECLINING AFTER NEARLY SIX MONTHS
OF EXISTANCE. THE CARRINGTON LONGITUDE AT 2300Z JANUARY
04 1967 IS 281.

B. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE THREE
DAY PERIOD JANUARY 05-07 ARE AS FOLLOWS/FIGURES ARE PERCENTAGES
FOR EACH OF THE THREE DAYS/

IMPORTANCE ONE OR GREATER 100/100/100

IMPORTANCE TWO OR GREATER 60/60/60

IMPORTANCE THREE OR GREATER 15/15/15

PROTON EVENTS 5/10/10

C. THE OTTAWA 10.7 CM FLUX TODAY IS 166. PREDICTED VALUES FOR
THE THREE DAY PERIOD JANUARY 05-07 ARE 171/175/177.

D. THE FREDERICKSBURG MAGNETIC A INDEX YESTERDAY WAS 07. TODAY
IT WILL BE ABOUT ZERO. PREDICTED VALUES FOR THE THREE DAY PERIOD
JANUARY 05-07 ARE 3/3/5.

BT

INCIDENTALLY THE ADVBO IS ALCON