

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO
VIA AGIWARN

SPACE DISTURBANCE FORECAST NUMBER 372A ISSUED 1700Z
DECEMBER 08 1966

A. THE PROBABILITY FOR THE OCCURRENCE OF MAJOR FLARES IS
INCREASING. THE REGION LOCATED AT $N17E66$ CONTAINS A VERY BRIGHT
FACULA AND A MODERATELY LARGE COMPLEX AND DEVELOPING SPOT GROUP.
THE SIMILARITY OF THIS SPOT GROUP IN BOTH POSITION AND
STRUCTURE WITH THE ONE WHICH PRODUCED THE AUGUST-SEPTEMBER
PROTON FLARES IS STRIKING. A CLASS ONE BRIGHT FLARE OCCURRED
AT 0900Z TODAY IN A NEW AND DEVELOPING SPOT GROUP AT $N26E38$. IN
ADDITION THE SPOT GROUPS AT $S24E32$ ^{and} $S16W55$ ARE DEVELOPING.

B. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE
THREE DAY PERIOD DECEMBER 09-11 ARE AS FOLLOWS/FIGURES
ARE PERCENTAGES FOR EACH OF THE THREE DAYS/

IMPORTANCE ONE OR GREATER 100/100/100

IMPORTANCE TWO OR GREATER 30/40/50

IMPORTANCE THREE OR GREATER 5/10/15

PROTON EVENTS 5/10/15

C. THE OTTAWA 10.7 CM FLUX TODAY IS ABOUT 128. PREDICTED VALUES
FOR THE THREE DAY PERIOD DECEMBER 09-11 ARE 132/135/137.

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

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VIA AGIWARN

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SPACE DISTURBANCE FORECAST NUMBER 372B ISSUES 2300Z

DECEMBER 08 1966

A. IMPORTANT SUNSPOT GROWTH IS TAKING PLACE IN THREE SOLAR REGIONA IN NE AND SE QURADRANTS. THE TYPE E GROUP AT N21 E61 IS NOW IN EXCESS OF 400 MILLIONTHS AREA AND POSSESSES STRUCTURES SIMILAR TO THE EARLY STAGES OF THE PROTON FLARE REGION IN SEPTEMBER. ITS ASSOCIATED PLAGE IS BRIGHT AND FLUCTUATING. MAJOR FLARES ARE EXPECTED HERE WITH 48 HOURS. THE GROUP AT S21 E30 HAS INCREASED ITS AREA BY NEARLY HALF FROM OBSERVATIONS OF 15⁰⁰9Z. THE NEW GROUP AT N29 E33 HAS NEARLY DOUBLED IN SIZE AND NOW IS TYPE C WITH AREA OF 20. SPOTS ARE FORMING BETWEEN THIS GROUP AND AN OLD GROUP AT N29 E16 GIVING THE APPEARANCE OF ONE CONTINUOUS GROUP. NO IMPORTANT CHANGES HAVE OCCURRED IN THE OTHER THREE SUNSPOT GROUPS.

B. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE THREE DAY PERIOD DECEMBER09-11 ARE AS FOLLOWS/FIGURES ARE PERCENTAGES FOR EACH OF THE THREE DAYS/
IMPORTANCE ONE OR GREATER 100/100/100
IMPORTANCE TWO OR GREATER 40/50/60
IMPORTANCE THREE OR GREATER 5/10/15
PROTAN EVENTS 5/10/15

C. THE OTTAWA 10.7 CM FLUX TODAY IS 125. THE PREDICTED VALUES FOR THE THREE DAY PERIOD DECEMBER 09-11 ARE 130/133/135.

D. THE FREDERICKSBURG MAGNETIC A INDEX YESTERDAY WAS 1. TODAY IT WILL BE ABOUT $\frac{2}{3}$. THE PREDICTED VALUES FOR THE THREE DAY PERIOD DECEMBER 09-11 ARE 7/7/4.

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