

NNNNUUV  
PP KGFF  
DE BOU 120500Z  
THIS IS THE MESSAGE FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO  
SDF NUMBER 711C ISSUED 0500Z NOVEMBER 12 1967  
ONLY MINOR FLARES ARE EXPECTED DURING THE NEXT 12 HOURS  
BT

NNNNUUV  
PP KGFF  
DE BOU 121100Z  
THIS MESSAGE FOR REFILE

SDF NUMBER 711D ISSUED 1100Z 11 NOV 67  
ONLY MINOR FLARES ARE EXPECTED DURING THE NEXT 12 HOURS  
BT

SPACE DISTURBANCE  
CAST CENTER

175726Z

UVV  
PP KGFF  
DE BOU 121750Z  
THIS IS THE MESSAGE FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO  
SDF NUMBER 712A ISSUED 1700Z 12 NOVEMBER 1967  
MAJOR FLARES ARE POSSIBLE DURING THE NEXT 12 HOURS  
A. IMPORTANCE ONE FLARES WERE REPORTED FROM THE N12 W16  
REGION AT 0840Z AND 1650Z TODAY. THE LATTER FLARE PRODUCED  
MODERATELY STRONG IONOSPHERIC EFFECTS. THE SPOT GROUP IN  
THIS REGION HAS TRIPLED IN AREA SINCE YESTERDAY AND IS  
NOW CLASS/AREA D/150. AT 0530Z AN IMPORTANCE ONE FLARE  
WAS REPORTED FROM S22 WLIMB ASSOCIATED WITH THE REGION WHICH  
ROTATED OVER THE LIMB YESTERDAY. THIS FLARE ALSO PRODUCED  
MODERATE IONOSPHERIC EFFECTS. THE LEADING EDGE IS NOW  
VISIBLE OF THE REGION WHICH WAS EXPECTED TO RETURN TO NORTHEAST  
LIMB. SPOT GROUPS OF H/200 AND C/10 ARE VISIBLE AT N09 E81  
AND N17 E76 RESPECTIVELY. MINOR PROMINENCE ACTIVITY HAS BEEN  
OBSERVED AT THE LIMB ASSOCIATED WITH THIS REGION.  
B. IF THE N12 W16 REGION CONTINUES ITS PRESENT RATE OF  
GROWTH IT CAN BE EXPECTED TO PRODUCE FLARES AS LARGE AS  
IMPORTANCE TWO. INFORMATION REGARDING THE REGION RETURNING  
TO NORTHEAST LIMB IS INCOMPLETE. THAT WHICH IS AVAILABLE  
INDICATES THAT FOLLOWING PORTIONS OF THE REGION (DUE  
TO APPEAR IN THE NEXT 24-36 HOURS) SHOULD BE VERY  
ACTIVE.

FORECASTS FOR NOVEMBER 13-15

C. THE DAILY PERCENT PROBABILITIES FOR FLARES AND PROTON EVENTS  
IMPORTANCE TWO OR GREATER 30/40/50  
IMPORTANCE THREE OR GREATER 10/10/15  
PROTON EVENTS 5/10/10  
D. OTTAWA 10.7 CM FLUX TODAY 128. PREDICTED 138/145/150.  
BT

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PP KGFF

DE BOU 122330Z

THIS IS THE MESSAGE FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO  
SDF NUMBER 712B ISSUED 2300Z NOV 12 1967

MAJOR FLARES ARE POSSIBLE BUT NOT EXPECTED DURING THE NEXT 12 HOURS.  
A. NO SIGNIFICANT FLARE ACTIVITY HAS BEEN REPORTED SINCE 1700Z. THE  
DEVELOPING REGION NEAR N12W20 NOW CONTAINS A WEAK MAGNETIC DELTA  
CONFIGURATION. THIS REGION HAS ALSO BECOME A WEAK TO MODERATE SOURCE  
OF 9.1 CM RADIO EMISSION. MODERATELY STRONG 9.1 CM RADIO EMISSION IS  
NOW BEING OBSERVED FROM N09E90 ASSOCIATED WITH THE REGION RETURNING  
THERE. CORONAL DATA FOR THE REGION HAS NOT BEEN RECEIVED. PORTIONS  
OF THE REGION VISIBLE AT THIS TIME DO NOT APPEAR TO BE ACTIVE. A  
TINY NEW SPOT GROUP HAS DEVELOPED AT S1SE21.

B. MAJOR ACTIVITY IS ANTICIPATED IN PORTIONS OF THE REGION YET TO  
ROTATE AROUND THE NORTHEAST LIMB. THE REGION AT N12W20 APPEARS TO BE  
CAPABLE OF FLARES AS LARGE AS IMPORTANCE TWO.

FORECASTS FOR NOV 13-15

C. THE DAILY PERCENT PROBABILITIES FOR FLARES AND PROTON EVENTS  
IMPORTANCE TWO OR GREATER 30/40/50

IMPORTANCE THREE OR GREATER 10/10/15

PROTON EVENTS 5/10/10

D. OTTAWA 10.7 CM FLUX TODAY 128. PREDICTED 138/145/150.

E. MAGNETIC A-FREDERICKSBURG YESTERDAY S. TODAY ABOUT 20.  
PREDICTED AP 8-12/8-12/UNDER 10.

BT

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