

ESSA/SPACE DISTURBANCE  
FORECAST CENTER

NOV 16 05 01 67

UVV

PP KGFF

DE BOU 160500Z

THIS IS THE MESSAGE FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO  
SDF NUMBER 715C ISSUED 0500Z NOV 16 1967

MAJOR FLARES ARE POSSIBLE BUT NOT EXPECTED DURING THE NEXT 12 HOURS  
BT

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UVV  
PP KGFF  
DE BOU 161100Z  
HERE IS THE MSG FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO  
SDF NUMBER 715D ISSUED AT 1100Z NOVEMBER 16, 1967  
MAJOR FLARES ARE POSSIBLE BUT NOT EXPECTED DURING THE NEXT 12 HOURS  
BT

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UV  
PP KGFF  
DE BOU 161705Z  
THIS IS THE MESSAGE FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO  
SDF NUMBER 716A ISSUED 16 NOV 1967

→1700Z

MAJOR FLARES ARE POSSIBLE BUT NOT EXPECTED DURING THE NEXT 12 HOURS

- A. A POSSIBLE IMPORTANCE TWO FLARE WAS REPORTED AT 16/1004Z WITHIN THE REGION AT N11 E39 TODAY. THE FLARE WAS ACCCOMPANIED BY A MINOR R.F. EVENT. THE REGION AT N11 E39 IS BECOMING MORE COMPLEX IN BOTH WHITE LIGHT AND HYDROGEN-ALPHA CHARACTERISTICS. INCREASED GROWTH AND ACTIVITY HAVE ALSO BEEN REPORTED IN REGIONS AT N15 E02 N17 W13 AND N11 W11.
- B. OVERALL SOLAR ACTIVITY IS EXPECTED TO CONTINUE INCREASING. THE REGION AT N11 E39 IS CAPABLE OF PRODUCING MAJOR FLARE ACTIVITY.  
FORECAST FOR 17-19 NOV 67
- C. THE DAILY PERCENT PROBABILITIES FOR FLARES AND PROTON EVENTS  
IMPORTANCE TWO OR GREATER 30/35/40  
IMPORTANCE THREE OR GREATER 5/7/10  
PROTON EVENTS 5/5/5
- D. OTTAWA 10.7 CM FLUX TODAY ESTIMATED 156 PREDICTED 160/164/167  
BT

NNNNUUUV  
PP KGFF  
DE BOU 162025Z  
THIS IS THE MESSAGE FOR REFILE

23 20267  
DISTURBANCE  
TEST CENTER

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO  
SDF NUMBER 716B ISSUED 2300Z NOV 16 1967  
MAJOR FLARES ARE EXPECTED DURING THE NEXT 12 HOURS  
A. TWO MAJOR FLARES OCCURRED WITHIN THE PAST THREE HOURS.  
AT 2003Z AN IMPORTANCE TWO BRIGHT FLARE OCCURRED AT N22 E45.  
IT WAS FOLLOWED BY A BRIGHT IMPORTANCE THREE FLARE AT 2125Z  
ASSOCIATED WITH THE LARGE MAGNETICALLY COMPLEX REGION AT  
N11 E32. THE 2125Z FLARE PRODUCED MAJOR IONOSPHERIC EFFECTS BUT  
ONLY MINOR RADIO EMISSION. GEOPHYSICAL EFFECTS WITH THE  
2003Z FLARE WERE TRIVIAL.  
B. PROTONS ARE NOT ANTICIPATED FROM THE RECENT FLARE ACTIVITY.  
FURTHER MAJOR FLARES ARE EXPECTED FROM THE REGION AT N11 E32  
AND PROTON FLARES ARE POSSIBLE. FLARES AS LARGE AS IMPORTANCE  
TWO ARE POSSIBLE WITHIN THE REGIONS AT N22 E45 AND N11 W01.

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