

ESSA/SPACE DISTURBANCE  
FORECAST CENTER

Nov 16 05 01z67

UUU  
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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UUV

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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UUV  
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 ACCOMPANIED  
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 20 267  
DISTURBANCE  
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.

FORECASTS FOR NOVEMBER 17-19

C. THE DAILY PERCENT PROBABILITIES FOR FLARES AND PROTON EVENTS  
IMPORTANCE TWO OR GREATER 70/70/70

IMPORTANCE THREE OR GREATER 40/40/40

PROTON EVENTS 20/20/20

D. OTTAWA 10.7 CM FLUX TODAY 156. PREDICTED 160/164/167.

E. MAGNETIC A-FREDERICKSBURG YESTERDAY 07. TODAY ABOUT 08.

PREDICTED AP UNDER 10/10-15/10-15.

BT

NNNN