

ESSA/SPACE DISTURBANCE  
FORECAST CENTER

Nov 10 05 00 z67

UUU  
PP KGFF  
DE BOU 100500Z  
THIS IS THE MESSAGE FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO  
SDF NUMBER 709C ISSUED 0500Z 10 NOVEMBER 1967  
ONLY MINOR FLARES ARE EXPECTED DURING THE NEXT 12 HOURS.  
BT

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PP KGFF

DE BOU 101100Z

HERE IS THE MSG FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO  
SDF NUMBER 709D ISSUED AT 1100Z NOVEMBER 10, 1967  
ONLY MINOR FLARES ARE EXPECTED DURING THE NEXT 12 HOURS  
BT

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MUUV  
PP KGFF  
DE BOU 10/1750Z

THIS IS THE MESSAGE FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO  
SDF NUMBER 710A ISSUED AT 1700Z NOV 10 1967

ONLY MINOR FLARES ARE EXPECTED DURING THE NEXT 12 HOURS

A. A PRONOUNCED IONOSPHERIC EVENT WHICH BEGAN AT 1528Z TODAY WAS APPARENTLY ASSOCIATED WITH A SOLAR EVENT AT OR BEYOND THE WEST LIMB AT ABOUT S22. PROMINENCE ACTIVITY AND PLAGE ENHANCEMENT WERE OBSERVED THERE AT THAT TIME. IMPORTANCE ONE FLARES WERE REPORTED FROM THIS LOCATION AT 0145 AND 0853Z TODAY. THE 0853Z EVENT PRODUCED MODERATE RADIO BURSTS AT CENTIMETER WAVELENGTHS. THE REGIONS NEAR THE NORTHEAST LIMB DO NOT APPEAR TO BE ESPECIALLY ACTIVE. ENHANCED 9.1 CM RADIO AND GREEN LINE CORONAL EMISSION FROM THE NORTHEAST LIMB INDICATE THE PRESENCE OF ACTIVE REGION BEYOND THE LIMB.

B. MAJOR FLARES ARE NOT LIKELY DURING THE NEXT 36-48 HOURS. THE PROBABILITY FOR MAJOR ACTIVITY SHOULD INCREASE SIGNIFICANTLY WITH THE RETURN OF THE REGION DUE NOVEMBER 12 AT NORTHEAST LIMB.

FORECASTS FOR NOV 11-13

C. THE DAILY PERCENT PROBABILITIES FOR FLARES AND PROTON EVENTS  
IMPORTANCE TWO OR GREATER 5/25/40  
IMPORTANCE THREE OR GREATER 1/5/10  
PROTON EVENTS 0/1/2

D. OTTAWA 10.7 CM FLUX TODAY ESTIMATED 120. PREDICTED 123/128/140  
BT

NNNNUUUV  
PP KGFF  
DE BOU 102345Z  
HERE IS THE MSG FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO  
SDF NUMBER 710B ISSUED 2300Z NOV 10 1967

MAJOR FLARES ARE NOT EXPECTED DURING THE NEXT 12 HOURS.

A. THE REGION AT S22 W LIMB HAS BEEN NEAR FLARE BRIGHTNESS ALL DAY. AN IMPORTANCE TWO FLARE WAS REPORTED THERE AT 2130Z HOWEVER OTHER OBSERVATORIES DID NOT CONFIRM THIS REPORT. IMPORTANCE ONE FLARES WERE REPORTED IN THE REGION AT 1816 AND 1930Z. THE 1816Z EVENT WAS ACCOMPANIED BY A MODERATELY STRONG RADIO BURST AT DEKAMETER WAVELENGTHS. EVEN THOUGH THIS REGION IS NOW MOSTLY OVER THE LIMB 9.1 CM RADIO EMISSION AT 2100Z WAS SUBSTANTIALLY INCREASED OVER YESTERDAY. BRIGHT YELLOW LINE CORONA WAS ALSO OBSERVED THERE TODAY. THE REGIONS PRESENTLY VISIBLE IN THE NORTHEAST QUADRANT ARE NOT ACTIVE HOWEVER LIMB FEATURES INDICATE THE PRESENCE OF AN ACTIVE CENTER BEYOND THE LIMB.

B. MAJOR FLARES ARE NOT LIKELY UNTIL THE EXPECTED ACTIVE CENTER IS ROTATED ONTO THE NORTHEAST LIMB NOVEMBER 12.

FORECASTS FOR 11-13 NOV 1967

C. THE DAILY PERCENT PROBABILITIES FOR FLARES AND PROTON EVENTS  
IMPORTANCE TWO OR GREATER 5/25/40  
IMPORTANCE THREE OR GREATER 1/5/10  
PROTON EVENTS 0/1/2

D. THE OTTAWA 10.7 CM FLUX TODAY 120. PREDICTED 123/128/140.

E. MAGNETIC A-FREDERICKSBURG YESTERDAY 11. TODAY ABOUT 2.  
PREDICTED AP RANGES UNDER TEN ALL THREE DAYS.

BT