

UUU
PP KGFF
DE BOU 130500Z
THIS IS THE MESSAGE FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO
SDF NUMBER 712C ISSUED 0500Z NOV 13 1967
ALTHOUGH ONLY MINOR FLARES ARE EXPECTED DURING THE NEXT 12 HOURS
THE PROBABILITY OF MAJOR FLARES OCCURRING IS INCREASING.
BT

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UUU
PP KGFF
DE BOU 131100Z
HERE IS THE MSG FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO
SDF NUMBER 712D ISSUED AT 1100Z NOVEMBER 13, 1967
MAJOR FLARES ARE POSSIBLE BUT NOT LIKELY DURING THE NEXT 12 HOURS
BT

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VIMVLMVNMOUV

PP KGFF
DE BOU 131705Z
THIS IS THE MESSAGE FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO
SDF NUMBER 713A ISSUED 13 1700Z NOV 67

MAJOR FLARES ARE POSSIBLE DURING THE NEXT 12 HOURS

A. ONLY MINOR FLARES HAVE BEEN REPORTED SINCE 12/2300Z. THE REGIONS LOCATED NEAR N12 W30 N16 E20 N14 E40 AND NOS E LIMB HAVE BEEN THE SOURCES OF MOST OF THE ACTIVITY. THE N12 W30 SPOT GROUP CONTINUES TO GROW AND IS NOW MEASURED AS D/220. ITS PLAGE IS MODERATELY BRIGHT AND POSSESSES CONSIDERABLE FINE STRUCTURE. LITTLE CHANGE HAS OCCURED IN THE NORTHERN REGIONS NEAR E20 AND E40. IN HYDROGEN LIGHT THESE REGIONS ARE CONNECTED BY FINE STRUCTURE. THE SPOT GROUP AT N10 E75 CONTAINS AT LEAST 5 SPOTS AND IS G/650. THE HYDROGEN PLAGE THUS FAR VISIBLE NEAR THE NORTHEAST LIMB IS ONLY MODERATELY BRIGHT BUT CONTAINS BRIGHT POINTS. IT EXTENDS BEYOND THE LIMB AND IN SPITE OF ITS LIMB PROXIMITY CONSIDERABLE FINE STRUCTURE CAN BE SEEN.

B. MORE ACTIVE PORTIONS OF THE NORTHEAST LIMB REGION ARE YET EXPECTED TO ROTATE OVER THE LIMB THUS INCREASING THE PROBABILITY FOR MAJOR FLARES. THE N12 W30 REGION APPEARS CAPABLE OF PRODUCING FLARES AS LARGE AS IMPORTANCE TWO.

FORECASTS FOR 14-16 NOV 67

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 5/5/10

D. OTTAWA 10.7 CM FLUX TODAY ESTIMATED 138 PREDICTED 145/152/155
BT

UUV
PP KGFF
DE BOU 132320Z
THIS IS THE MESSAGE FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO
SDF NUMBER 713B ISSUED 2300Z NOV 13 1967
MAJOR FLARES ARE POSSIBLE BUT ARE NOT EXPECTED DURING THE NEXT 12
HOURS.

A. ONLY SUBFLARES HAVE BEEN REPORTED SINCE 1700Z. HOWEVER POOR
WEATHER CONDITIONS HINDERED OBSERVATIONS AT SEVERAL OBSERVATORIES.
THE SPOT GROUP AT N12W32 WHICH WAS MAGNETICALLY COMPLEX YESTERDAY
HAS SIMPLIFIED TO A NORMAL BIPOLAR GROUP TODAY. THE PLAGE AT N12
E LIMB DOES NOT YET APPEAR TO BE COMPLETELY ONTO THE DISK.

B. MAJOR FLARES ARE POSSIBLE FROM THE REGION AT N12W32. ACTIVITY IS
EXPECTED FROM THE NORTH EAST LIMB REGION DURING THE NEXT THREE DAYS
AS IT ROTATES FURTHER ONTO THE DISK.

FORECASTS FOR NOV 14-16

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

IMPORTANCE THREE OR GREATER 10/10/10

PROTON EVENTS 5/5/5

D. OTTAWA 10.7 CM FLUX TODAY 138. PREDICTED 145/152/155.

E. MAGNETIC A-FREDERICKSBURG YESTERDAY 19. TODAY ABOUT 10.
PREDICTED AP ALL UNDER 10.

BT

FILED
NOV 14 1967

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