

UVV
PP KGFF
DE BOU 200500Z
THIS IS THE MESSAGE FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO
SDF NUMBER 719C ISSUED 0500Z NOV 20 1967
MAJOR FLARES ARE EXPECTED DURING THE NEXT 12 HOURS.
BT

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UUV
PP KGFF
DE BOU 201100Z
HERE IS THE MSG FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO
SDF 719D ISSUED AT 1100Z NOVEMBER 20, 1967
MAJOR FLARES ARE EXPECTED DURING THE NEXT 12 HOURS
BT

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NNNN

UUV
PP KGFF
DE BOU 201700Z
THIS IS THE MESSAGE FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO
SDF NUMBER 720A ISSUED 1700Z NOV 20 1967

MAJOR FLARES ARE POSSIBLE DURING THE NEXT 12 HOURS

A. THE LARGE SUNSPOT GROUP AT N09 W18 CONTINUES TO DECAY AND HAS PRODUCED ONLY SUBFLARES TODAY. AN IMPORTANCE ONE FLARE WAS REPORTED AT 1033Z IN THE DEVELOPING REGION AT N08 W56. THE SPOT GROUP IN THIS REGION HAS GROWN TO CLASS/AREA D/150 AND THE PLAGE IS BRIGHT AND COMPLEX. THE REGION AT N13 W73 PRODUCED TWO IMPORTANCE ONE FLARES AT 0350Z AND 1538Z WHICH WERE ASSOCIATED WITH MINOR LIMB ACTIVITY. THIS REGION WILL ROTATE OFF WEST LIMB TOMORROW. THE SPOT GROUP AT N19 E60 REMAINS STABLE AND ONLY MINOR FLARES HAVE BEEN REPORTED THERE TODAY.

B. THE REGIONS AT N19 E60 N09 W18 AND N08 W56 APPEAR CAPABLE OF MAJOR FLARE PRODUCTION.

FORECASTS FOR 21-23 NOV 1967

C. THE DAILY PERCENT PROBABILITIES FOR FLARES AND PROTON EVENTS
IMPORTANCE TWO OR GREATER 70/60/60
IMPORTANCE THREE OR GREATER 20/10/10

PROTON EVENTS 20/20/10

D. OTTAWA 10.7 CM FLUX TODAY ESTIMATED 175 PREDICTED 172/172/170
BT

NNNNUV
PP KGFF
DE BOU 202300Z
THIS IS THE MESSAGE FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO
SDF NUMBER 720B ISSUED 2300Z NOV 20 1967

MAJOR FLARES ARE POSSIBLE DURING THE NEXT 12 HOURS

A. AN IMPORTANCE ONE FLARE WAS REPORTED AT 1902Z AT N08 W56.
THIS REGION CONTINUES TO PRODUCED NUMEROUS SUBFLARES AND THE
PLAGE REGION IS BRIGHT AND COMPACT. AN IMPORTANCE ONE BRIGHT
FLARE HAS ALSO BEEN REPORTED AT 1450Z AT N19 E60. THE PLAGE IN
THIS REGION HAS BECOME BRIGHTER DURING THE LAST FEW HOURS BUT
NO OTHER ACTIVITY HAS BEEN REPORTED THERE. NO OTHER SIGIFICANT
ACTIVITY HAS BEEN REPORTED.

B. MAJOR FLARES APPEAR POSSIBLE FROM THE REGIONS AT N08 W56
N19 E60 AND N09 W18.

FORECAST FOR 21-23 NOV 67

C. THE DAILY PERCENT PROBABILITIES FOR FLARES AND PROTON EVENTS
IMPORTANCE TWO OR GREATER 70/60/60
IMPORTANCE THREE OR GREATER 20/10/10
PROTON EVENTS 20/20/10

D. OTTAWA 10.7 CM FLUX TODAY 170. PREDICTED 167/165/163

E. MAGNETIC A-FREDERICKSBURG YESTERDAY 3. TODAY ABOUT 2.
PREDICTED AP ALL UNDER 10.

BT