

NNNNUUUV

PP KGFF

DE BOU 200500Z

THIS IS THE MESSAGE FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SDF NUMBER 749C ISSUED 0500Z DEC 20 1967

MAJOR FLARES ARE POSSIBLE DURING THE NEXT 12 HOURS.

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

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO  
SDF NUMBER 749D ISSUED AT 1100Z DEC 20 1967  
MAJOR FLARES ARE POSSIBLE DURING THE NEXT 12 HOURS  
BT

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PP KGFF  
DE BOU 201720Z  
HERE IS THE 1700Z MSG FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO  
SDF NUMBER 750A ISSUED 1700Z DECEMBER 20 1967

MAJOR FLARES ARE POSSIBLE DURING THE NEXT 12 HOURS.

A. IMPORTANCE ONE FLARES TODAY WERE REPORTED IN THE N20W43 REGION AT ABOUT 0016Z 0104Z AND 0428Z AND IN THE N16 E LIMB REGION AT 0535Z AND 0718Z. OPTICAL OBSERVATIONS OF THE SUN ARE SEVERELY LIMITED BY WEATHER CONDITIONS AT MANY OBSERVATORIES. INDIRECT DETECTION TECHNIQUES INDICATE PROBABLE ADDITIONAL FLARE ACTIVITY AT ABOUT 1248Z AND 1525Z HOWEVER OPTICAL CONFIRMATION IS NOT AVAILABLE. THESE EVENTS ARE CONSIDERED TO BE SMALL. FROM THE INFORMATION AVAILABLE NO SIGNIFICANT GROWTH SEEMS TO HAVE OCCURRED IN THE SPOT GROUPS NEAR N20W43 AND N25E07. BOTH SPOT GROUPS HAVE UNDERGONE SOME REORGANIZATION AND THE H-PLAGES ARE STILL BRIGHT. NO SPOTS ARE VISIBLE IN THE N16 E LIMB REGION HOWEVER THE H-PLAGE THERE HAS BEEN REPORTED AS BRIGHT AND SMALL FLARES AND PROMINENCE ACTIVITY HAVE BEEN REPORTED THERE.

B. MAJOR FLARES ARE STILL LIKELY FROM THE REGION AT N20W43 AND N25E07 ALTHOUGH THERE HAS BEEN A 48 HOUR LULL IN SUCH ACTIVITY. THE N16 E LIMB REGION SEEMS CAPABLE OF NUMEROUS MINOR FLARES AND MORE ACTIVE PORTIONS OF THE REGION MAY STILL BE BEYOND THE LIMB.

FORECASTS FOR DECEMBER 21-23

C. THE DAILY PERCENT PROBABILITIES FOR FLARES AND PROTON EVENTS  
IMPORTANCE TWO OR GREATER 70/60/60  
IMPORTANCE THREE OR GREATER 15/15/10  
PROTON EVENTS 5/5/5

D. OTTAWA 10.7 CM FLUX TODAY IS 208. PREDICTED 204/200/195.

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ESSA/SPACE DISTURBANCE  
FORECAST CENTER  
DEC 20 23 37 267

NNNNUUUV  
PP KGFF  
DE BOU 202332Z  
THIS IS THE MESSAGE FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO  
SDF NUMBER 750B ISSUED 2300Z 20 DECEMBER 1967

MAJOR FLARES ARE POSSIBLE DURING THE NEXT 12 HOURS

A. NO SIGNIFICANT FLARE ACTIVITY OR CHANGES IN THE VISIBLE SOLAR  
REGIONS HAVE BEEN REPORTED SINCE SDF 750A. OPTICAL SOLAR OBSERVATIONS  
HAVE CONTINUED TO BE SEVERELY HAMPERED BY WEATHER CONDITIONS BUT  
INDIRECT DETECTORS HAVE NOT INDICATED MAJOR ACTIVITY. DEKAMETER  
WAVELENGTH RADIO EMISSION INCREASED AT ABOUT 1515Z AND REMAINED  
HIGH THROUGH 2300Z. THE MINOR MAGNETIC DISTURBANCE IS  
STILL CONTINUING.

B. MAJOR FLARES ARE STILL EXPECTED FROM THE N20 W47 AND  
N25 E03 REGIONS.

FORECASTS FOR DECEMBER 21-23

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

IMPORTANCE THREE OR GREATER 15/10/10

PROTON EVENTS 5/5/5

D. OTTAWA 10.7 CM FLUX TODAY 208. PREDICTED 204/200/195.

E. MAGNETIC A-FREDERICKSBURG YESTERDAY 19. TODAY ABOUT 25.

PREDICTED AP RANGES 15-20/12-15/08-12.

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