

NNNNUV

PP KGFF

DE BOU 210500Z

THIS IS THE MESSAGE FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 659C ISSUED 0500Z SEPT 21, 1967

ONLY MINOR FLARES ARE EXPECTED DURING THE NEXT 12 HOURS

MAGNETIC STORM CONTINUES

BT

LMVNNUUV

PP KGFF

DE BOU 211100Z

HERE IS THE MSG FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SDF NUMBER 659D ISSUED AT 1100Z SEPTEMBER 21, 1967

MAGNETIC STORM IN PROGRESS

ONLY MINOR FLARES ARE EXPECTED DURING THE NEXT 12 HOURS

REVISED PREDICTED A-FREDERICKSBURG RANGES FOR SEP 21-23

ARE 40-45/10-20/8-12

BT

PP KGFF

DE BOU 211700Z

THIS IS THE MESSAGE FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SDF NUMBER 660A ISSUED 1700Z SEPT 21 1967

THE MAGNETIC STORM IS EXPECTED TO END WITHIN 12 HOURS. MAJOR FLARES ARE NOT EXPECTED.

A. THE SOLAR REGION NOW NEAR N15 E00 PRODUCED AN IMPORTANCE ONE FLARE AT 0327Z TODAY ACCCOMPANIED BY MODERATE RADIO EMISSION AND IONOSPHERIC EFFECTS. THE PLAGE IN THIS REGION IS LARGE BUT OF ONLY MODERATE BRIGHTNESS AND THE REGION CONTAINS SEVERAL SMALL SPOT GROUPS. THE REGION NEAR N10 W53 ALTHOUGH STILL SMALL CONTINUES TO GROW AND HAS PRODUCED SEVERAL SUBFLARES. ADDITIONAL EVIDENCE HAS BEEN RECEIVED TENDING TO CONFIRM THE PROTON EVENT CONSIDERED QUESTIONABLE SDF 659 A OF 20 SEPT. IT APPEARS THAT A SMALL PROTON EVENT WAS OBSERVED BY GROUND BASED TECHNIQUES BUT THE OBSERVATIONS ARE UNCERTAIN DUE TO MASKING BY THE GEOMEGNETIC ACTIVITY. THE GEOMAGNETIC STORM IS STILL IN PROGRESS BUT APPEARS TO BE DECLINING. THE A INDEX TODAY IS ESTIMATED TO BE ABOUT 50.

B. THE MAGNETIC STORM IS EXPECTED TO END WITHIN THE NEXT 12 HOURS. NONE OF THE VISIBLE SOLAR REGIONS APPEARS LIKELY TO PRODUCE MAJOR FLARE ACTIVITY BUT SMALL FLARES ARE EXPECTED.

FORECASTS FOR 22-24 SEPT.

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

IMPORTANCE THREE OR GREATER 1/1/1

PROTON EVENTS 10/2/1

D. OTTAWA 10.7 CM FLUX TODAY ESTIMATED 125 PREDICTED 127/127/128

BT

THIS IS THE MESSAGE FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO  
SDF NUMBER 660B ISSUED 2300Z SEPTEMBER 21 1967

A. NO SIGNIFICANT FLARE ACTIVITY HAS OCCURRED SINCE  
SDF 660A. SLIGHT GROWTH HAS OCCURRED IN THE FINE  
STRUCTURE OF THE REGION NOW AT ABOUT N15 W05. THE  
SPOT GROUP AT ABOUT S24 W32 HAS BECOME SLIGHTLY MORE COMPACT  
AND CONTINUES TO PRODUCE MINOR FLARE ACTIVITY. THE GEOMAGNETIC  
STORM IS STILL IN PROGRESS ALTHOUGH DECLINING.

B. THE GEOMAGNETIC STORM SHOULD DECLINE SIGNIFICANTLY WITHIN  
THE FORECAST PERIOD. NO MAJOR FLARE ACTIVITY IS EXPECTED.

FORECASTS FOR SEPT 22-24

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

D. OTTAWA 10.7 CM FLUX TODAY 126. PREDICTED 127/127/128

E. MAGNETIC A-FREDERICKSBURG YESTERDAY 31. TODAY ABOUT 48.  
PREDICTED 15-20/10-15/8-10

BT