

UUV  
PP KGFF  
DE BOU 030500Z  
THIS IS THE MESSAGE FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO  
SDF NUMBER 732C ISSUED 0500Z DEC 3 1967  
ONLY MINOR FLARES ARE EXPECTED DURING THE NEXT 12 HOURS.  
BT

NNNNUV  
PP KGFF  
DE BOU 031100Z  
THIS IS THE MESSAGE FOR REFILE

SDF NUMBER 732D ISSUED 1100Z DEC 03 1967  
ONLY MINOR FLARES ARE EXPECTED DURING THE NEXT 12 HOURS.  
BT

ESSA/SPACE DISTURBANCE  
FORECAST CENTER

DEC 3 17 17 67

UVV  
PP KGFF

DE BOU 031714Z

THIS IS THE MESSAGE FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO  
SDF NUMBER 733A ISSUED 1700Z DECEMBER 03 1967

POSSIBLE SMALL PROTON EVENT IN PROGRESS. ONLY MINOR FLARES  
EXPECTED DURING THE NEXT 12 HOURS.

A. SATELLITES DETECTED AN INCREASE IN PROTON AND ELECTRON FLUX NEAR  
THE EARTH BEGINNING AT 0935Z WITH THE PROTON FLUX ABOVE 20 MEV AT  
THREE TIMES NORMAL BACKGROUND AT 1505Z. MAXIMUM FLUX WAS AT  
APPROXIMATELY 1230Z. GROUND BASED CONFIRMATION IS HAMPERED BY ARCTIC  
WINTER AND POOR COMMUNICATIONS. THIS EVENT MOST LIKELY IS A RESULT  
OF AN ENERGETIC SOLAR EVENT OBSERVED AT SW LIMB AT 2245Z YESTERDAY.  
NO SIGNIFICANT FLARES HAVE BEEN REPORTED SINCE AS ONLY MINOR REGIONS  
ARE NOW PRESENT ON THE VISIBLE DISK. ONLY FAINT PLAGES HAVE APPEARED  
AT NE AND SE LIMBS BUT MINOR SURGE ACTIVITY CONTINUES AT BOTH  
LOCATIONS.

B. THE WEAK PROTON EVENT MAY CONTINUE THROUGH THE REMAINDER OF  
THIS DAY. A MAGNETIC DISTURBANCE AND SUBSEQUENT COMMUNICATIONS  
DIFFICULTIES MAY COMMENCE BY MIDDAY ON 04 DECEMBER. SOLAR ACTIVITY  
IS LIKELY TO REMAIN AT THE PRESENT RELATIVELY LOW LEVEL THROUGHOUT  
THE FORECAST PERIOD.

FORECASTS FOR DECEMBER 04-06

C. THE DAILY PERCENT PROBABILITIES FOR FLARES AND PROTON EVENTS  
IMPORTANCE TWO OR GREATER 2/2/2

IMPORTANCE THREE OR GREATER 1/1/1

PROTON EVENTS 80/40/05

D. OTTAWA 10.7 CM FLUX IS 124. PREDICTED DEC 4-6 125/125/125.

BT

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UVV  
PP KGFF  
DE BOU 032315Z  
THIS IS THE MESSAGE FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO  
SDF NUMBER 733B ISSUED 2300Z DEC 3 1967  
RELATIVISTIC ELECTRON EVENT ENDED APPROXIMATELY 2130Z. MAGSTORM  
EXPECTED NEXT 12 HOURS. ONLY MINOR FLARES LIKELY DURING NEXT 12  
HOURS.

A. ALASKAN RIOMETER AND VLF PROPAGATION DATA INDICATED THAT THE  
SATELLITE PARTICLE DATA REPORTED EARLIER WAS NOT FROM A PROTON  
EVENT. PREVIOUS EVENTS OF THIS KIND HAVE BEEN FOLLOWED BY ENHANCED  
GEOMAGNETIC ACTIVITY. THE EVENT HAS BEEN ASSOCIATED WITH AN  
IMPORTANCE 2 FLARE-SURGE AT 02/2242Z AT S28 WEST LIMB. AN  
IMPORTANCE 2 FLARE-SPRAY OCCURRED TODAY AT 2123Z FROM A REGION  
BEYOND WEST LIMB AT N25. A REGION APPEARING AT S18 EAST LIMB IS  
NOW PRODUCING FREQUENT BRIGHT SURGES AND HAS A BRIGHT COMPACT AND  
ELEVATED PLAGE. NO SIGNIFICANT CHANGES HAVE OCCURRED IN THE MINOR  
REGIONS ON THE DISK.

B. FLARE POTENTIAL IS NOW CONCENTRATED IN THE REGION APPEARING AT  
S18 E LIMB. THIS REGION MAY BE YOUNG AND GROWING. ADDITIONAL REGIONS  
ARE DUE TO RETURN TO EAST LIMB AT NE AND SE LIMBS TOMORROW AND AT  
NE LIMB ON 5 DECEMBER.

FORECASTS FOR DEC 4-6

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

PROTON EVENTS 1/1/1

D. OTTAWA 10.7 CM FLUX TODAY 124. PREDICTED 120/120/120.

E. MAGNETIC A-FREDERICKSBURG YESTERDAY 14. TODAY ABOUT 5.  
PREDICTED AP 10-20/20-40/10-15.

BT