

WWV

PP KGFF

DE BOU 111730Z

HERE IS THE MESSAGE FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO  
SDF NUMBER 289A ISSUED 1700Z 11 JUNE 1969

CLASS M FLARES ARE EXPECTED AND CLASS X EVENTS ARE POSSIBLE  
DURING THE NEXT 12 HOURS

A. A CLASS X FLARE /IMP CP/ OCCURRED AT 11/1617Z NEAR N11W18.  
THIS FLARE APPARENTLY DEVELOPED ALONG THE E-W FILAMENT WITH  
FLARE MASS COVERING APPROXIMATELY 40 PERCENT OF THE LARGE  
LEADING SPOT PENUMRA. THIS FILAMENT WAS PERSISTENTLY ACTIVE  
FOR SEVERAL HOURS PRIOR TO THE FLARE. THIS FLARE PRODUCED  
SIGNIFICANT X-RAY AND RADIO NOISE EMISSIONS. VERY STRONG  
RADIO NOISE EMISSION STILL CONTINUES AT 1715Z. NO MAJOR  
ACTIVITY HAS OCCURRED TODAY IN EITHER OF THE LARGE COMPLEX  
REGIONS NEAR N16W03 AND S14W17. BOTH OF THESE REGIONS HAVE  
EXHIBITED FREQUENT FLUCTUATIONS.

B. SOLAR PROTONS ARE EXPECTED FROM THE 1617Z EVENT. ADDITIONAL  
MAJOR ACTIVITY IS ANTICIPATED FROM THIS REGION WITHIN THE NEXT  
24-36 HOURS. MAJOR ACTIVITY IS EXPECTED ALSO FROM THE  
N16W03 AND S14W17 REGIONS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE  
24 HOUR PERIODS BEGINNING 11/1700Z ENDING 14/1700Z.

CLASS M OR GREATER 99/99/99

CLASS X 70/60/50

PROTON EVENTS 60/50/50

D. OTTAWA 10.7 CM FLUX TODAY IS 253. PREDICTED 245/241/239.

E. N/A.

F. KP ESTIMATED FOR 1200-1500Z WAS 2. KP FORECAST FOR NEXT 24  
HOURS PER KP 15.3: 2/2/2/2/2/2/2/2.

SOLTEPHARN

PT

NNNNNNVV

PP KGFP

DE BOU 112300Z

HERE IS THE MSG FOR PEFILF

FROM SPACE DISTURBANCE FORECAST CENTER FSSA BOULDER COLO

SDF NUMBER 239B ISSUED 2300Z 11 JUNE 1969

CLASS M FLARES ARE EXPECTED AND CLASS X EVENTS ARE POSSIBLE DURING  
THE NEXT 18 HOURS.

A. SOLAR ACTIVITY HAS BEEN LOW SINCE THE 2P FLARE AT 11/1617Z.  
OGO-3 SATELLITE DETECTED A SHORT-LIVED INCREASE OF SOLAR PROTONS  
GREATER THAN 20 MEV AT 11/2000Z OF THREE TIMES NORMAL BACKGROUND.

B. MAGNETIC DISTURBANCE IS EXPECTED TO INCREASE DURING THIS  
FORECAST PERIOD

C. MAGNETIC A-FPFRICKSBURG FOR 10 JUNE WAS 12. FOR 11 JUNE ABOUT 8  
PREDICTED AP FOR 12-14 JUNE, 30/20/10.

SOLARWARM

PT