

NNNNUV

PP KGFZ

DE BOU 091730Z

HERE IS THE MSG FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO  
SDF NUMBER 287A ISSUED 1700Z 09 JUNE 1969

CLASS X FLARES ARE POSSIBLE DURING THE NEXT 12 HOURS.

A. FREQUENT MINOR FLARES HAVE BEEN REPORTED. ONE CLASS M FLARE, IMP SN OCCURRED AT 09/1325Z IN THE REGION NEAR N16E24. THE S14E08 REGION HAS SHOWN CONTINUED GROWTH OF SPOTS BUT PLAGE AND SPOT STRUCTURE INDICATE EVOLUTION TO A SIMPLE BIPOLAR REGION. THE REGION NEAR N12E12 SHOWS LITTLE CHANGE, BUT FILAMENT AND BRIGHT PLAGE STRUCTURE CONTINUE TO ENCIRCLE THE MAIN SPOT. FLARE POTENTIAL REMAINS HIGH IN THIS REGION, BUT IS DECREASED SOMEWHAT FOR THE IMMEDIATE FUTURE BY THE SLOW RATE OF CHANGE. THE REGION NEAR N16E24 IS CAVING IN AND IS APPARENTLY MAGNETICALLY SIMPLE. THE OTTAWA 10CM FLUX IS AT A VERY HIGH LEVEL. NEUTRON MONITOR COUNTING RATES REMAIN DEPRESSED BY ABOUT 3 PERCENT. THE GEOMAGNETIC FIELD CONTINUES TO SHOW BRIEF PERIODS OF DISTURBANCE, BUT A FULL-FLEDGED STORM HAS NOT DEVELOPED.

B. CLASS X FLARES ARE POSSIBLE FROM THE REGIONS NEAR S14E08 AND N12E12. CLASS M EVENTS ARE EXPECTED FROM THOSE REGIONS AS WELL AS THOSE NEAR N16E24 AND N10W16. INTERMITTENT MAGNETIC DISTURBANCES ARE EXPECTED TO CONTINUE. DATA FROM THE PIONEER SPACECRAFT INDICATE THAT A MODERATE TO SEVERE MAGNETIC STORM IS STILL POSSIBLE WITHIN THE NEXT 24 HOURS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 09 JUN/1700Z ENDING 12/1700Z.

CLASS M OR GREATER 90/90/90

CLASS X 55/60/60

PROTON EVENTS 30/30/30

D. OTTAWA 10.7 CM FLUX TODAY IS 229. PREDICTED 230/230/225.

E. KP ESTIMATED FOR 1200-1500Z WAS 4. KP FORECAST FOR NEXT 24 HOURS PER KP 15.3 4/4/4/3/3/3/3/3.

SOLARWARN

BT

NNNN

UIJV  
PP KGFF  
DE BOU 092300Z  
THIS IS THE MESSAGE FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO  
SDF NUMBER 287B ISSUED 2300Z 09 JUNE 1969  
CLASS X FLARES ARE POSSIBLE DURING THE NEXT 18 HOURS.  
A. NO SIGNIFICANT EVENTS OCCURRED DURING THE LAST 6 HOURS BUT THE  
PRODUCTION OF MINOR FLARES CONTINUED AT A RAPID RATE. THE GEOMAG-  
NETIC FIELD IS UNSETLED, BUT NO MAGNETIC STORM HAS DEVELOPED. LOW-  
ENERGY PROTONS ARE SLIGHTLY ENHANCED AT SATELLITE ALTITUDES.  
SECTIONS B C AND D REMAIN UNCHANGED FROM SDF 287A.  
E. MAGNETIC A-FP FREDERICKSBURG FOR 08 JUNE WAS 17. FOR 09 JUNE ABOUT  
13. PREDICTED AP FOR 10-12 JUNE 25/15/10.  
BT