

NNNNUUUV
PP KGFF
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 N12E10 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 ~~CHANGING TO A SIMPLE~~ BY 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-FLLEDGED STORM HAS NOT DEVELOPED.

B. CLASS X FLARES ARE POSSIBLE FROM THE REGIONS NEAR S14E08 AND
N12E10. 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.

F. 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.

SOLTERWARN

BT

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

FROM SPACE DISTURBANCE FORECAST CENTER FSSA 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 UNSETTLED, 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-FREDERICKSBURG FOR 08 JUNE WAS 17. FOR 09 JUNE ABOUT
13. PREDICTED AP FOR 10-12 JUNE 25/15/10.
BT