

NNNNUV

PP KGFF

DE BOU 151715Z

HERE IS THE MESSAGE FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO
SDF NUMBER 293A ISSUED 1700Z 15 JUNE 1969

CLASS X FLARES ARE POSSIBLE DURING THE NEXT 12 HOURS.

A. THE LARGE AND MAGNETICALLY COMPLEX REGION NOW NEAR S14W69
PRODUCED ANOTHER CLASS M EVENT, IMP ONE NORMAL, AT 15/0333Z.
ADDITIONAL IMP ONE FLARES, APPARENTLY ALL CLASS C, OCCURRED IN
THIS REGION AT 14/2150Z, 15/0830Z, AND 15/0946Z, NO MAJOR CHANGES
IN DISK FEATURES HAVE BEEN REPORTED. SPOT GROWTH CONTINUES, BUT
AT A SLOWER RATE, IN THE REGION NOW NEAR N17W08. OCCASIONAL SURGE
ACTIVITY HAS BEEN NOTED ON THE EAST LIMB NEAR N10-15. WEATHER IS
SEVERELY HAMPERING OPTICAL OBSERVATIONS AND EVALUATION AT ALL
OBSERVATORIES. THE MINOR GEOMAGNETIC STORM WHICH HAD A GRADUAL
BEGINNING AT 13/21XX ENDED AT 14/23XX.

B. AT LEAST ONE CLASS X FLARE IS EXPECTED FROM THE S14W69 REGION
BEFORE IT COMPLETES WEST LIMB PASSAGE ON 17 JUNE. INFREQUENT CLASS
M FLARES ARE EXPECTED FROM THE REGIONS NOW NEAR N12W70, N16W53,
N17W08, AND S13E34.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR
PERIODS BEGINNING 15 JUN/1700Z ENDING 18/1700Z.

CLASS M OR GREATER 90/90/90

CLASS X 50/60/50

PROTON EVENTS 30/40/30

D. OTTAWA 10.7 CM FLUX TODAY IS 196. PREDICTED 185/178/170.

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.

SOLTERWARN

BT

NNNNUV

PP KGFF

DE BOU 152300Z

HERE IS THE MSG FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO
SDF NUMBER 293B ISSUED 2300Z 15 JUNE 1969

CLASS X FLARES ARE POSSIBLE DURING THE NEXT 18 HOURS.

A. WEATHER CONTINUES TO HAMPER OBSERVATIONS. THE ONLY FLARE
REPORTED DURING THE LAST SIX HOURS WAS AN IMP ONE BRIGHT IN
PROGRESS AT 15/1752Z IN THE REGION NEAR S14W69. THIS FLARE
IS TENTATIVELY CLASSIFIED AS M BASED ON IONOSPHERIC DISTURBANCES
DETECTED AT BOULDER BEGINNING AT 1749Z. THE GEOMAGNETIC FIELD
HAS BEEN QUIET AT LOW LATITUDES BUT REMAINS SLIGHTLY DISTURBED
AT HIGH LATITUDES.

PARTS B, C, D, AND F REMAIN UNCHANGED FROM SDF 293A.

E. MAGNETIC A-FREDERICKSBURG FOR 14 JUNE WAS 24. FOR 15 JUNE ABOUT
08 PREDICTED AP FOR 16-18 JUNE, 10/10/10.

SOLTERWARN

BT

NNNNV