

NNNNUV

PP KGFF

DE BOU 141715Z

HERE IS THE MESSAGE FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO
SDF NUMBER 292A ISSUED 1700Z 14 JUNE 1969

CLASS X EVENTS ARE POSSIBLE DURING THE NEXT 12 HOURS

A. ACTIVITY HAS BEEN AT A LOW LEVEL AND DISK FEATURES ARE
ESSENTIALLY THE SAME AS THEY WERE 18 HOURS AGO. AN IMPORTANCE
ONE NORMAL CLASS C EVENT OCCURRED AT 14/1024Z IN THE REGION
NEAR N12W57. THE LARGE LEADER SPOT IN THIS REGION IS REPORTED
TO BE BREAKING UP, BUT THE PLAGE REMAINS COMPLEX AND CONTINUES
TO CONTAIN EMBEDDED FILAMENTS. THE N16W40 REGION HAS SHOWN MINOR
SPOT DEVELOPMENT AND THE S14W56 REGION HAS SHOWN SPOT REORIENTATION
AND PLAGE AND FILAMENT DEVELOPMENT. A SMALL REGION NEAR N17E05
HAS SHOWN RAPID SPOT DEVELOPMENT AND THE ASSOCIATED BRIGHT PLAGE
SHOWS DARK LINE AND ARCH FILAMENT STRUCTURE. REGIONS NEAR
N13E66 AND S16E73 CANNOT BE FULLY EVALUATED YET. SURGES, MORE
PLAGE, AND POSSIBLE SPOTS ARE REPORTED NEAR NE12. A GEOMAGNETIC
STORM, SO FAR OF MINOR INTENSITY, STARTED WITH A GRADUAL BEGINNING
AT ABOUT 13/2100Z.

B. INFREQUENT CLASS M FLARES ARE EXPECTED FROM THE REGIONS NEAR
N12W57, N16W40, AND S14W56. CLASS X EVENTS ARE POSSIBLE FROM
THESE REGIONS. CLASS M EVENTS ARE ALSO POSSIBLE FROM THE SMALL
BUT GROWING REGION NEAR N17E05 AND THE REGION NEAR N13E66. A
MINOR GEOMAGNETIC DISTURBANCE IS EXPECTED TO CONTINUE FOR 18
TO 30 HOURS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24
HOUR PERIODS BEGINNING 14 JUN/1700Z ENDING 17/1700Z.

CLASS M OR GREATER 90/90/90

CLASS X 50/60/60

PROTON EVENTS 30/40/40

D. OTTAWA 10.7 CM FLUX TODAY IS 216. PREDICTED 205/195/190.

E. N/A.

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

NNNNUV
PP KGFF
DE BOU 142300Z
HERE IS THE MESSAGE FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO
SDF NUMBER 292B ISSUED 2300Z 14 JUNE 1969

CLASS X FLARES ARE POSSIBLE DURING THE NEXT 18 HOURS

A. THE ONLY SIGNIFICANT ACTIVITY DURING THE PAST 6 HOURS WAS
A LARGE IMP ONE BRIGHT FLARE AT 14/2040Z IN THE REGION NEAR
S14W56. THIS EVENT IS CLASSIFIED AS M BASED ON MODERATE TO
SEVERE SPA'S DETECTED AT BOULDER. THE S14W56 REGION CONTINUES
TO BE MAGNETICALLY COMPLEX WITH EXTREMELY STRONG FIELD STRENGTHS.
IT CURRENTLY CONTAINS TWO DELTA CONFIGURATIONS AND MUST BE CON-
SIDERED A CLASS X THREAT. THE MINOR GEOMAGNETIC STORM WHICH HAD
A GRADUAL BEGINNING AT 13/21XX CONTINUES.

PARTS B, C, D, AND F REMAIN UNCHANGED FROM SDF 292A.

E. MAGNETIC A-FREDERICKSBURG FOR 13 JUNE WAS 13. FOR 14 JUNE ABOUT
23. PREDICTED AP FOR 15-17 JUN, 15/12/10.

SOLTERWARN

BT

NNNNUV