

NNNNHHV
PP KGFF
DE ROU 211715Z
HERE IS THE MESSAGE FOR PROFILE

FROM SPACE DISTURBANCE FORECAST CENTER FSSA BOULDER COLO

SDF NUMBER 268A ISSUED 1700Z 21 MAY 1969

CLASS M FLARES ARE EXPECTED DURING THE NEXT 12 HOURS

A. A CLASS M EVENT, IMPORTANCE SM, WAS OBSERVED AT 21/0145Z
AT S13E22. SINCE SDF 267B, GROWTH IN THIS REGION IN WHITE LIGHT
HAS BEEN STRIKING, WITH ITS AREA DOUBLING IN SIZE AND IS NOW
E/490. THE REGION AT N09E38 HAS SHOWN SIGNIFICANT GROWTH WITH
NEW SPOTS OBSERVED VIRTUALLY ENCIRCLING THE OLD PENUMBRA AND
CORRESPONDING H-ALPHA PLAGE GROWTH. THE REGION AT S15E31 APPEARS
INACTIVE. THE GEOMAGNETIC FIELD IS RELATIVELY QUIET.

B. CLASS X FLARES ARE POSSIBLE FROM THE REGION AT S12E12. CLASS
M FLARES ARE EXPECTED IN THE REGION AT N09E38 AND FURTHER GROWTH
WOULD PERMIT THIS REGION TO POSE A CLASS X THREAT ALSO.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24
HOUR PERIODS BEGINNING 21/1700Z ENDING 24/1700Z.

CLASS M OR GREATER 85/90/90

CLASS X 25/30/30

PROTON EVENTS 10/15/15

D. OTTAWA 10.7 CM FLUX FOR TODAY IS 169. PREDICTED 170/170/175.

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

NNNNUUU

PP KGFF

DE BOU 212330Z

HERE IS THE MSG FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER FSSA BOULDER COLO

SDF NUMBER 268B ISSUED 2300Z 21 MAY 1969

CLASS M FLARE

A. ACTIVITY HAS BEEN LIGHT SINCE SDF 268A. A METER WAVELENGTH NOISE STORM, WITH ASSOCIATED DEKAMETRIC CONTINUUM, BEGAN AT ABOUT 21/1451Z AND HAS CONTINUED ALL DAY. SEPARATION OF PENUMBRAL STRUCTURE IN THE REGION AT N09E35 RESULTS IN A MAGNETIC CLASSIFICATION OF BETA/GAMMA WITH NO DELTA. THE GEOMAGNETIC FIELD AT HIGH LATITUDES REMAINS SLIGHTLY DISTURBED, AND PIONEER VIII DATA INDICATES SLIGHT INCREASE IN SOLAR WIND YESTERDAY. PROTON FLUXES AT ORBIT EARTH REMAIN AT BACKGROUND.

B. CLASS X FLARES ARE POSSIBLE FROM THE REGION AT S12E07. CLASS M FLARES ARE EXPECTED FROM THE REGION AT N09E35. A MINOR INCREASE IS EXPECTED WITHIN THE NEXT 24 HOURS. BASED ON PIONEER DATA. PARTS C AND D ARE UNCHANGED FROM SDF 268A

E. MAGNETIC A-FREDERICKSBURG FOR 20 MAY WAS 11. FOR 21 MAY ABOUT 10 PREDICTED AP FOR 22-24 MAY, 20/10/10.

SOLTERWAPN

BT