

NNNNUUUV

PP KGFF

DE BOU 121710Z

HERE IS THE MSG FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SDF NUMBER 259A ISSUED 1700Z 12 MAY 1969

SMALL CLASS M FLARES ARE EXPECTED DURING THE NEXT 12 HOURS.

A. AN IMP ONE NORMAL FLARE AT 12/0526Z IN THE REGION NEAR N17E30 WAS PROBABLY SMALL CLASS M. ADDITIONAL IMP ONE NORMAL FLARE AT 12/0141Z IN ABOVE REGION AND 12/0800Z NEAR S19E19 WERE APPARENTLY CLASS C. THE REGIONS IN THE NE CONTINUE TO DEVELOP. THAT NEAR N17E30 IN PARTICULAR HAS BEEN DYNAMIC WITH CONTINUED SPOT GROWTH AND FREQUENT PLAGE BRIGHTNESS FLUCTUATIONS AND CONFIGURATION CHANGES. A NEW SPOT GROUP HAS DEVELOPED NEAR N19E49 AND A FILAMENT CONNECTS THIS REGION WITH THAT NEAR N13E40. THE GEOMAGNETIC FIELD REMAINS QUIET.

B. THE N17E30, N13E40, AND N19E49 COMPLEX OF REGIONS IS DEFINITELY INCREASING IN POTENTIAL AND MAY POSE A CLASS X THREAT WITHIN 72 HOURS. HOWEVER, WE FORESEE ONLY CLASS M ACTIVITY FROM THESE REGIONS DURING THE NEXT 24 HOURS. INFREQUENT CLASS M FLARES ARE ALSO POSSIBLE FROM REGIONS NEAR N08E05 AND S16E15. QUIET GEOMAGNETIC CONDITIONS ARE EXPECTED TO CONTINUE FOR THE NEXT 24 HOURS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 12 MAY/1700Z ENDING 15/1700Z.

CLASS M OR GREATER 60/60/60

CLASS X 05/10/10

PROTON EVENTS 05/10/10

D. OTTAWA 10.7 CM FLUX TODAY IS 158. PREDICTED 160/165/170.

E. KP ESTIMATED FOR 1200-1500Z WAS 1. KP FORECAST FOR NEXT 24 HOURS PER KP 15.3 1/1/1/1/1/1/1/1.

SOLTERWAPN

BT

PP KGFF

DE BOU 122300Z

THIS IS THE MESSAGE FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER FSSA BOULDER COLO

SDF NUMBER 259B ISSUED 2300Z MAY 12 1969

CLASS M FLARES ARE EXPECTED DURING THE NEXT 18 HOURS.

A. A POSSIBLE CLASS M EVENT, IMPORTANCE SN, OCCURRED AT N15E28 BEGINNING AT 12/1504Z. THIS FLARE WAS BASED ON MODERATE X-RAY PRODUCTION WITH MINIMAL IONOSPHERIC EFFECTS. THE NE COMPLEX OF REGIONS CONTINUES TO DEVELOP WITH THE MAJOR DISTURBED PORTION AT N18E38. THE GEOMAGNETIC FIELD IS CURRENTLY QUIET.

SECTIONS B C AND D REMAIN UNCHANGED FROM SDF 259A.

E. MAGNETIC 4-FREDERICKSBURG FOR 11 MAY WAS 06. FOR 12 MAY ABOUT 04. PREDICTED AP FOR 13-15 MAY 8/10/10.

BT