

DE BOU 301705Z

HERE IS THE MESSAGE FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO  
SDF NUMBER 400A ISSUED 1700Z 30 SEPTEMBER 1969

CLASS M FLARES ARE PROBABLE DURING THE NEXT 6 HOURS

A. ONLY CLASS C FLARES WERE OBSERVED DURING THE PAST 18 HOURS.  
TWO SIGNIFICANT CHANGES HAVE BEEN OBSERVED ON THE DISK THE  
PAST 18 HOURS. THE FIRST IS AN INCREASE IN FIELD STRENGTH  
OF THE LARGEST UMBRA NEAR N08W45. THIS REGION IS A DELTA  
MAGNETIC CONFIGURATION AND ALSO SHOWS AN ACTIVE FILAMENT AND  
MINOR PLAGE BRIGHTENINGS. THE SECOND CHANGE IS A LARGE NUMBER  
OF NEW SMALL SPOTS FROM S13E23 TO S12E32. SATELLITE DATA  
INDICATES THE LOW ENERGY PROTON FLUX HAS DECREASED, BUT STILL  
REMAINS SLIGHTLY OVER BACKGROUND. THE 1-8A X-RAY FLUX APPEARS  
SLIGHTLY ENHANCED. THE GEOMAGNETIC STORM INTENSIFIED DURING  
THE NIGHT WITH FREDERICKSBURG REPORTING A K OF 8 FROM 30/0000-  
0300Z.

B. THE REGION AT N08W45 STILL HAS THE POTENTIAL FOR CLASS M  
EVENTS WITH THE SE COMPLEX SHOWING A SMALLER POTENTIAL. THE  
GEOMAGNETIC STORM WILL END WITHIN THE NEXT 12 HOURS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24  
HOUR PERIODS BEGINNING 30/1700Z ENDING 03/1700Z.

CLASS M OR GREATER 70/70/70

CLASS X 20/20/20

PROTON EVENTS 20/20/20

D. OTTAWA 10.7 CM FLUX AT 1400Z WAS 137. PREDICTED 135/133/130.

E. REVISED AP FORECAST FOR 30 SEPT IS 75.

F. KP ESTIMATED FOR 1200-1500Z WAS 3. KP FORECAST FOR NEXT 24  
HOURS PER KP 15.3; 3/3/3/3/3/3/2/2.

SOLTERWARN

BT

NNNN2257

NNNN

KMSC

PP KGFF

DE BOU 302300Z

THIS MESSAGE FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO  
SDF NUMBER 400B ISSUED 2300Z 30 SEPT 1969

CLASS M FLARE PROBABLE DURING THE NEXT 18 HOURS.

A. FLARE ACTIVITY HAS BEEN LOW SINCE 1700Z. THE MAGNETIC STORM  
DECLINED TO NEAR NORMAL AT 1900Z.

B. THE REGION AT N08W50 CONTINUES AS A POTENTIAL SOURCE FOR  
CLASS M FLARES.

SECTION C REMAINS UNCHANGED FROM SDF 400A.

D. OTTAWA 10.7 CM FLUX AT 1700Z WAS 137.

E. MAGNETIC A-FREDERICKSBURG FOR 29 SEPT WAS 43. FOR 30 SEPT  
ABOUT 75. PREDICTED AP FOR 1-3 OCT 15/10/10.

BT