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KMSC  
PP KGFF  
DE BOU 151700Z  
HERE IS THE MESSAGE FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESBA BOULDER COLO  
SDF NUMBER 385A ISSUED 1700Z 15 SEPTEMBER 1969  
CLASS M FLARES EXPECTED DURING THE NEXT 24 HOURS  
A. THERE HAS BEEN A GENERAL RISE IN ACTIVITY DURING THE LAST  
24 HOURS WITH MANY SMALL FLARES AND A TWO BRIGHT (CLASS M)  
FLARE AT 1210Z, MAX AT 1227Z, NEAR S19W02. THE REGION NEAR  
N08W15 CONTINUES TO EVOLVE AND NOW CONTAINS A C-TYPE SPOT  
GROUP. THE GEOMAGNETIC FIELD IS SLIGHTLY DISTURBED.  
B. THERE ARE FOUR REGIONS (S19W02), (N08W15), (N16E08), AND  
(S04E25) WHICH HAVE GOOD POTENTIAL FOR CLASS M, BUT NOT CLASS  
X, ACTIVITY. INFREQUENT CLASS M FLARES ARE EXPECTED. A GEO-  
MAGNETIC STORM IS EXPECTED TO BEGIN ON 17 SEP.  
C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24  
HOUR PERIODS BEGINNING 15 SEP/1700Z ENDING 18 SEP/1700Z.  
CLASS M OR GREATER 50/60/60  
CLASS X 05/05/05  
PROTON EVENTS 05/05/05  
D. OTTAWA 10.7 CM FLUX AT 1400Z WAS 135. PREDICTED 138/142/145.  
E. N/A.  
F. KP ESTIMATED FOR 1200-1500Z WAS 3. KP FORECAST FOR NEXT  
THREE 24 HOURS PER KP 15.3; 3/3/3/3/2/2/2/2.

SOLTERWARN  
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PP KGFF

DE BOU 152310Z

HERE IS THE MSG FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO  
SDF NUMBER 385B ISSUED 2300Z 15 SEPT 1969

CLASS M FLARES ARE EXPECTED DURING THE NEXT 18 HOURS.

A. THE IMP TWO BRIGHT FLARE AT 15/1210Z WAS ESSENTIALLY AN  
OPTICAL FLARE. THE ASSOCIATED RADIO AND X-RAY BURSTS, THOUGH  
OF CLASS M MAGNITUDE, WERE RELATIVELY SMALL. AN ADDITIONAL SMALL  
CLASS M X-RAY EVENT BEGINNING 15/0340Z WAS ASSOCIATED WITH  
EITHER A SUBNORMAL FLARE NEAR S32W88 OR A SUBNORMAL NEAR N09W08.  
DISK FEATURES HAVE NOT CHANGED SIGNIFICANTLY THE PAST 6 HOURS.  
SEVERAL OBSERVATORIES REPORTED A MAGNETIC STORM BEGINNING ABOUT  
14/1517Z; SO FAR, HOWEVER, THE DISTURBANCE HAS BEEN MINOR.  
PARTS B AND C REMAIN UNCHANGED.

D. OTTAWA 10.7 CM FLUX AT 1700Z WAS 134.

E. MAGNETIC A-FREDERICKSBURG FOR 14 SEPT WAS 11. FOR 15 SEPT ABOUT  
18 PREDICTED AP FOR 16-18 SEPT, 12/20/30.

SOLTERWARN