

NNNN  
KMSC  
PP KGFF

DE BOU 251700Z

HERE IS THE MESSAGE FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO  
SDF NUMBER 395A ISSUED 1700Z 25 SEPTEMBER 1969

CLASS M FLARES ARE EXPECTED DURING THE NEXT 12 HOURS

A. THE N05W38 REGION PRODUCED ENERGETIC SUBFLARES AT 25/0152Z  
AND 25/1413Z; THE FIRST JUST MISSED REACHING THE CLASS M  
THRESHOLD WHILE THE SECOND IS TENTATIVELY CLASSIFIED AS A SMALL  
M BASED ON THE ASSOCIATED IONOSPHERIC DISTURBANCES. THIS  
REGION CONTINUES TO DEVELOP IN BOTH WHITE LIGHT AND H-ALPHA  
BUT REMAINS SIMPLE BIPOLE IN STRUCTURE. THE REGION NEAR  
N07E22 IS BASICALLY THE SAME IN WHITE LIGHT BUT FIELD STRENGTHS  
HAVE FALLEN OFF. AN IMP ONE NORMAL FLARE OF 108 MIN DURATION  
AT 25/0647Z NEAR N12W14 WAS ACCCOMPANIED BY A LONG-DURATION  
GRADUAL RISE AND FALL TYPE X-RAY ENHANCEMENT AT 1-8A. A  
VERY SMALL POLAR CAP ABSORPTION EVENT BEGAN SOMETIME BEFORE  
25/1000Z. THE GEOMAGNETIC FIELD IS QUIET.

B. THE N05W38 REGION NOW HAS THE BEST POTENTIAL FOR SIGNIFICANT  
ACTIVITY. CLASS M FLARES ARE EXPECTED FROM THIS REGION, BUT  
THE PROBABILITY OF CLASS X ACTIVITY APPEARS TO BE DECREASING.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24  
HOUR PERIODS BEGINNING 25 SEP/1700Z ENDING 28/1700Z.

CLASS M OR GREATER 70/70/70

CLASS X 15/10/10

PROTON EVENTS 15/10/10

D. OTTAWA 10.7 CM FLUX AT 1400Z WAS 167. PREDICTED 176/182/188.

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

KMSC  
PP. KGFF  
DE. BOU 252300Z  
HERE IS THE MSG FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO  
SDF NUMBER 395B ISSUED 2300Z 25 SEPT 1969  
CLASS M FLARES ARE EXPECTED DURING THE NEXT 18 HOURS.  
A. ONLY MINOR EVENTS HAVE BEEN OBSERVED DURING THE PAST  
6 HOURS. THE FOLLOWER SPOTS IN THE N05W41 REGION ARE SLOWLY  
BREAKING UP. OTHER DISK FEATURES SHOW LITTLE CHANGE. A SMALL  
PROTON EVENT OF UNKNOWN ORIGIN WAS DETECTED BY THE ATS-1  
SATELLITE (3-70 MEV) BEGINNING ABOUT 25/0805Z. THE MINOR  
PCA EVENT MENTIONED IN SDF 395A CONTINUES WITH ABSORPTION  
AT 30 MHZ RUNNING LESS THAN 2 DB.  
PARTS B AND C REMAIN UNCHANGED.  
D. OTTAWA 10.7 CM FLUX AT 1700Z WAS 169.  
E. MAGNETIC A-FREDERICKSBURG FOR 24 SEPT WAS 05. FOR 25 SEPT  
ABOUT 07 PREDICTED AP FOR 26-28 SEPT 15/20/15.  
SOLTERWARN  
BT