

NNNN1800  
NNNN  
KMSC  
PP KGFF  
DE BOU 231700Z  
HERE IS THE MESSAGE FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO  
SDF NUMBER 393A ISSUED 1700Z 23 SEPTEMBER 1969

CLASS M FLARES ARE POSSIBLE DURING THE NEXT 6 HOURS

A. TWO SMALL CLASS M X-RAY EVENTS AT 23/0524Z AND 23/0934Z,  
FOR WHICH NO OPTICAL FLARES WERE REPORTED, WERE PROBABLY  
RELATED TO LIMB ACTIVITY FROM THE DEPARTING REGION NEAR S04  
WEST LIMB. A D-TYPE SPOT GROUP WITH NORMAL INTENSITY PLAGE  
HAVING INTERMEDIATE STRUCTURE IS NOW COMPLETELY ON THE DISK  
NEAR N11E76. NEW SPOT DEVELOPMENTS IN THE TRAILING PARTS OF  
THE REGION NEAR N07E49 AND N05W11 PROBABLY CONSTITUTE NEW BI-  
POLAR GROUPS EMERGING IN CLOSE PROXIMITY TO THE OLD STRUCTURES  
AND COULD LEAD TO MAGNETIC COMPLEXITIES. ABSORPTION FEATURES  
IN THE N07E49 REGIONS HAVE BEEN ACTIVE. LIMB STRUCTURE INDICATES  
THAT A REGION IS APPROACHING THE EAST LIMB NEAR S16-19. THE  
GEOMAGNETIC FIELD IS QUIET.

B. INFREQUENT CLASS M FLARES ARE EXPECTED DURING THE NEXT 72  
HOURS FROM THE NORTHERN REGIONS. MAJOR ACTIVITY IS NOT ANTICIPATED.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24  
HOUR PERIODS BEGINNING 23 SEP/1700Z ENDING 26/1700Z.

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 146. PREDICTED 152/158/162.

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

NNNN2311  
NNNN  
KMSC  
PP KGFF  
DE BOU 232310Z  
HERE IS THE MSG FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO  
SDF NUMBER 3938 ISSUED 2300Z 23 SEPT 1969

CLASS M FLARES ARE EXPECTED DURING THE NEXT 18 HOURS.

A. ONLY MINOR ACTIVITY THE PAST 6 HOURS. THE NEW BIPOLAR  
SET EMERGING IN THE TRAILING END OF THE N05W11 REGION IS  
DEVELOPING RAPIDLY. THE REGION NEAR N07E49 HAS BEEN QUITE  
UNSTABLE. SURGES AND POSSIBLE LOOPS NEAR S15 ON THE EAST  
LIMB CONTINUE TO INDICATE THE APPROACH OF A NEW REGION. THESE  
FACTORS INDICATE AN INCREASING PROBABILITY FOR MODERATE  
TO LARGE CLASS M AND POSSIBLY SMALL CLASS X EVENTS.

THE GEOMAGNETIC FIELD IS QUIET.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE  
24 HOUR PERIODS BEGINNING 23 SEPT/2300Z ENDING 26/2300Z.

CLASS M OR GREATER 60/70/70

CLASS X 10/15/15

PROTON EVENTS 10/10/10

D. OTTAWA 10.7 CM FLUX AT 1700Z WAS 144.

E. MAGNETIC A-FREDERICKSBURG FOR 22 SEPT WAS 02. FOR 23 SEPT  
ABOUT 04 PREDICTED AP FOR 24-26 SEPT ALL UNDER 10

SOLTERWARN

BT