

NNNN0350  
NNNN  
KMSC  
HAUS BOU 150400Z

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO  
SDF NUMBER 446A ISSUED 0400Z 15 NOVEMBER 1969  
ONLY CLASS C FLARES ARE EXPECTED DURING THE NEXT 13 HOURS.  
A. ONLY MINOR ACTIVITY HAS BEEN OBSERVED DURING THE PAST 11 HOURS.  
A J TYPE SUNSPOT HAS ROTATED ON THE DISK AT N06. SMALL SURGES HAVE  
BEEN OBSERVED EAST OF THE SPOT AT N06E90. SURGES HAVE ALSO BEEN  
OBSERVED AT N16E90 WHERE PLAGE IS CROSSING THE EAST LIMB. PIONEER  
DATA INDICATES THESE TWO REGIONS TO BE RELATIVELY INACTIVE. REAL  
ASSESSMENT WILL HAVE TO BE MADE AFTER THEIR APPEARANCE ON THE DISK.  
THE GEOMAGNETIC FIELD IS QUIET.  
B. SOLAR ACTIVITY IS EXPECTED TO REMAIN LOW DURING THIS FORECAST  
PERIOD.  
C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR  
PERIODS BEGINNING 15 NOV/0400Z ENDING 18 NOV/0400Z.  
CLASS M OR GREATER 40/50/60  
CLASS X 10/15/15  
PROTON EVENTS 10/15/15  
D. OTTAWA 10.7 CM FLUX 14/1700Z AND 2000Z WERE 142 AND 141  
RESPECTIVELY  
SOLTERWARN  
SPAN  
BT

NNNN  
KMSC  
HAUS BOU 151740Z

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO  
SDF NUMBER 446B ISSUED 1700Z 15 NOVEMBER 1969

CLASS M FLARES ARE EXPECTED IN THE NEXT 11 HOURS.

A. A CLASS C FLARE WAS REPORTED BEGINNING 15/1139Z AT N10E81.  
FURTHER SPOTS ARE NOW APPARENT AT N13E87 IN ADDITION TO THE REGION  
AT N07E73. THE SPOTS IN THIS LATTER REGION ARE BIPOLAR WITH A  
PENUMBRAL BREAK APPARENT IN THE DOUBLE LEADER. ANOTHER SMALL  
SPOT AT N08E84 IS APPARENT. BOTH OF THE ABOVE REGIONS APPEAR  
UNSTABLE IN H-ALPHA. DEVELOPMENT APPEARS ARRESTED IN N16W77 REGION  
ALTHOUGH A SMALL C-SHAPED PLAGE RING HAS BEEN UNSTABLE. PLAGE  
GROWTH APPARENT IN S13W07 REGION BUT SPOT DEVELOPMENT IS MINIMAL.  
PROTON FLUXES ARE AT BACKGROUND AND GEOMAGNETIC FIELD IS QUIET.

B. FORESHORTENING HAMPERS EVALUATION OF NE REGIONS BUT APPEAR-  
ANCE AT PRESENT DOES NOT SEEM TO INDICATE MAJOR POTENTIAL. CLASS  
M FLARES EXPECTED FROM N07E73 AND N16W77 REGIONS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24  
HOUR PERIODS BEGINNING 15 NOV/1700Z ENDING 17 NOV /1700Z.

CLASS M OR GREATER 50/50/50

CLASS X 10/10/10

PROTON EVENTS 10/10/10

D. OTTAWA 10.7 CM FLUX TODAY AT 1400Z WAS 133. PREDICTED  
140/143/149.

E. MAGNETIC A-FREDERICKSBURG FOR 14 NOV WAS 01. FOR 15 NOV  
ABOUT 03. PREDICTED AP FOR 16-18 NOV 05/08/10.

SOLTERWARN

SPAN

BT