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PP KGFF  
DE ROU 181715Z  
HERE IS THE MESSAGE FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO  
SDF NUMBER 296A ISSUED 1700Z 18 JUNE 1969

ONLY CLASS C FLARES ARE EXPECTED DURING THE NEXT 12 HOURS

A. MINOR SOLAR ACTIVITY IS INCREASING IN THE GROWING REGION  
AT N08F15. DURING THE PAST 3 HOURS, THIS REGION HAS PRODUCED  
MANY SUBFLARES AND ONE IMPORTANCE 1N FLARE BEGINNING AT 18/1425Z,  
ALL CLASS C EVENTS. THE PLAGE IS GROWING QUITE RAPIDLY TO THE  
SOUTH AND EAST OF THE B-TYPE SPOT GROUP AND IS MODERATELY  
BRIGHT. AN IMPORTANCE 1N CLASS C FLARE OCCURRED AT 18/0420Z AT  
N16W48. THIS REGION IS MODERATELY BRIGHT IN H-ALPHA, BUT ITS  
ASSOCIATED SUNSPOT STRUCTURE IS UNIMPRESSIVE. ALL OTHER REGIONS  
ARE SMALL AND STABLE.

B. CONTINUED GROWTH IS EXPECTED IN THE N08E15 REGIONS, BUT ONLY  
MINOR ACTIVITY IS EXPECTED UNTIL THIS REGION REACHES DYNAMIC  
PROPORTIONS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE  
24 HOUR PERIODS BEGINNING 18/1700Z ENDING 21/1700Z.

CLASS M OR GREATER 20/20/30

CLASS X 5/5/10

PROTON EVENTS 2/2/2

D. OTTAWA 10.7 CM FLUX TODAY IS 149. PREDICTED 145/140/140.

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

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NNNNHHV

HAUS BOU 182300Z

HERE IS THE MSG FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SDF NUMBER 296B ISSUED 2300Z 18 JUNE 1969

ONLY CLASS C FLARES ARE EXPECTED DURING THE NEXT 18 HOURS.

A. THE REGION AT NOBELL CONTINUES TO PRODUCE SMALL CLASS C  
SUBFLARES. MOST OF THESE FLARES DURING THE PAST 6 HOURS HAVE  
BEEN ACCOMPANIED BY SMALL, LOW FREQUENCY RADIO BURSTS RAPID  
SPOT GROWTH WAS OBSERVED FROM 18/1900Z TO 18/2100Z IN THIS REGION.  
THE GEOMAGNETIC FIELD IS QUIET.

PARTS B, C, D, REMAIN UNCHANGED FROM SDF 296A

E. MAGNETIC A-FREDERICKSBURG FOR 17 JUNE WAS 19. FOR 18 JUNE ABOUT  
7 PREDICTED AP FOR 19-21 JUNE, 15/10/10.

SOLTFBWARN

BT