

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO  
SDF NUMBER 266A ISSUED 1700Z 19 MAY 1969

CLASS M FLARES ARE EXPECTED DURING THE NEXT 12 HOURS

A. SMALL BUT ENERGETIC FLARES CONTINUE TO BE PRODUCED IN THE N10E66 REGION. THE LATEST WAS A PROBABLE CLASS M, IMPORTANCE 1N, AT 19/1431Z. THIS REGION POSSESSES A MODERATELY LARGE SPOT GROUP, D/260 MILLIONTHS, WHICH IS MAGNETICALLY INFERRED AS BETA-GAMMA BUT NOT DELTA. MODERATELY BRIGHT PLAGE IS ASSOCIATED WITH THE REGION, ALSO A STRONG ABSORBING FEATURE WHICH IS VISIBLE IN BOTH WINGS BUT NOT THE CENTER OF THE HYDROGEN LINE. ANOTHER REGION IS NOW VISIBLE NEAR N14E81 WHICH IS MEASURED AS C/80. FAINT CORONAL RAIN IS VISIBLE ABOVE THE LIMB IN THIS VICINITY, AND SPRAY PROMINENCES HAVE BEEN OBSERVED THERE TODAY. ALL OTHER VISIBLE REGIONS APPEAR TO BE RELATIVELY INACTIVE AND STABLE OR DECLINING.

B. CLASS X FLARES ARE POSSIBLE AND CLASS M EVENTS ARE EXPECTED FROM THE NE REGIONS. ACTIVITY FROM OTHER REGIONS SHOULD NOT EXCEED CLASS M. ANOTHER REGION, WHICH PRODUCED ACTIVITY AT ITS LAST WEST LIMB PASSAGE, IS DUE TO RETURN TO THE EAST LIMB NEAR N09 IN THE NEXT 48 HOURS. IT APPEARED TO BE DECAYING AT WEST LIMB PASSAGE.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 19/1700Z ENDING 22/1700Z.

CLASS M OR GREATER 80/85/85

CLASS X 15/20/20

PROTON EVENTS 10/15/15

D. OTTAWA 10.7 CM FLUX TODAY IS 154. PREDICTED 156/158/158.

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.

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THIS IS THE MESSAGE FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER FSSA BOULDER COLO  
SDF NUMBER 266B ISSUED 2300Z MAY 19 1969

CLASS M FLARES ARE EXPECTED DURING THE NEXT 18 HOURS.

A. SURFLARE, CLASS C EVENTS, CONTINUE AT A MODERATE RATE FROM THE  
N10E62. RECENT OBSERVATIONS SHOW THIS REGION TO BE MAGNETICALLY A  
GAMMA WITH DELTA CONFIGURATION. THE LARGE REGION AT S15E55 WHICH IS  
A SIMPLE BIPOLAR HAS SHOWN LITTLE ACTIVITY. AN IMPORTANCE 3 EPL WAS  
OBSERVED AT E502-16 AT 19/1910Z.

SECTIONS B C AND D REMAIN UNCHANGED FROM SDF 266A.

F. MAGNETIC A-FREDERICKSBURG FOR 18 MAY WAS 20. FOR 19 MAY ABOUT 11.  
PREDICTED AP FOR 20-22 MAY 8/10/8.

RT