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PP KGFF  
DE BOU 121715Z  
HERE IS THE MESSAGE FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO  
SDF NUMBER 290A ISSUED 1700Z 12 JUNE 1969  
CLASS M FLARES ARE EXPECTED AND CLASS X FLARES ARE POSSIBLE  
DURING THE NEXT 12 HOURS

A. SOLAR ACTIVITY HAS REMAINED AT A MODERATE LEVEL DURING THE  
PAST TWELVE HOURS WITH ONLY CLASS C SUBFLARES BEING OBSERVED.  
THE REGIONS AT N17W42 AND S14W28 ARE MODERATELY BRIGHT AND  
STILL RETAIN THE POTENTIAL OF MAJOR FLARE PRODUCTION. THE  
REGION AT N17W10 HAS DECLINED IN AREA BUT IS STILL CAPABLE OF  
PRODUCING MAJOR FLARES. THE N-S FILAMENT NEAR N12W22 HAS BEEN  
ACTIVE IN THE RED WING. THE GEOMAGNETIC FIELD IS ONLY SLIGHTLY  
DISTURBED BUT IS EXPECTED TO INCREASE DURING THE NEXT 24 HOURS.

B. THE REGIONS AT N17W42 AND S14W28 ARE EXPECTED TO GIVE MAJOR  
ACTIVITY BEFORE THEIR WEST LIMB PASSAGE.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24  
HOUR PERIODS BEGINNING 12/1700Z ENDING 15/1700Z.

~~CLASS M~~ 090/90/90

CLASS X 70/70/60

PROTON EVENTS 50/50/40

D. OTTAWA 10.7 CM FLUX TODAY IS 228. PREDICTED 220/215/210.

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.

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NNNNUUU  
PP KGFF  
DF BOU 122319Z  
HERE IS THE MSG FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO  
SDF NUMBER 290B ISSUED 2300Z 12 JUNE 1969

CLASS M FLARES ARE EXPECTED DURING THE NEXT 18 HOURS.

A. THE SECOND PARTICLE-PRODUCING FLARE FROM WITHIN THE DECLINING REGION NOW LOCATED NEAR N12W33 HAS NOT MATERIALIZED. AT PRESENT SUBFLARE ACTIVITY STEMS PRIMARELY FROM THIS CENTER WITH THE COMPLEX S14W33 GROUP A CLOSE SECOND. MAGNETOGRAPH MEASUREMENTS FROM MT. WILSON INDICATE A VERY STRONG FIELD IS PRESENT IN THE LEADING PORTION OF THE SOUTHERN REGION (APPROX 2700 GAUSS AT ITS STRONGEST POINT). THREE DELTA CONFIGURATIONS ARE SCATTERED THROUGHOUT THE AMOEBA-LIKE STRUCTURE, MAKING IT, AT LEAST CLASSICALLY, A SIGNIFICANT THREAT.

B. FURTHER SIGNIFICANT ACTIVITY FROM THE N12W33 SPOT GROUP IS NOT EXPECTED UNTIL WEST-LIMB PASSAGE. PERCENTAGES REMAIN HIGH, HOWEVER, DUE TO THE PRESENCE OF THE BETA-GAMMA CENTER IN THE SOUTHERN HEMISPHERE.

PARTS C AND D REMAIN UNCHANGED.

E. MAGNETIC A-FREDERICKSBURG FOR 11 JUNE WAS 08. FOR 12 JUNE ABOUT 15 PREDICTED AP FOR 13-15 JUNE, 16/10/7.

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