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PP KGFF  
DE BOU 011720Z  
HERE IS THE MSG FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO  
SDF NUMBER 309A ISSUED 1700Z 01 JULY 1969

CLASS M FLARES ARE POSSIBLE DURING THE NEXT 6 HOURS.

A. THE LARGE REGION AT S15E78 H-TYPE/760 CONTINUES TO BE THE MOST DYNAMIC FEATURE ON THE DISK. A STRONG BIPOLAR SPOT GROUP WITH STRONG FIELD GRADIENTS IS GROWING AT S13E68 WHICH IS JUST WEST OF THE LARGE LEADER AT S15E78. PLAGE EXTENDS FROM THE REGION AT S13E68 TO EAST LIMB. OPTICAL IMPORTANCE 1B FLARES, PROBABLE CLASS C EVENTS, WERE OBSERVED AT 01/1017Z, 01/1127Z AND 01/1615Z FROM THIS SE COMPLEX OF REGIONS. THE LARGE SPOT AT N13E73 DOES NOT SHOW MUCH PLAGE AREA. SCATTERED PLAGE IS LOCATED BETWEEN THE N17E41 AND N09E43 REGIONS. THE REGION AT S09W09 HAS SHOWN LITTLE ACTIVITY, HOWEVER, A NEW BIPOLAR GROUP HAS FORMED JUST EAST OF THIS GROUP AT S09W02.

B. CLASS M ACTIVITY WILL BE INCREASING FROM THE SE COMPLEX DURING THE NEXT 24-72 HOURS. A PREVIOUSLY MODERATELY ACTIVE GROUP IS EXPECTED AT N18 EL DURING THE NEXT 24-36 HOURS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 1/1700Z ENDING 4/1700Z.

CLASS M OR GREATER 50/60/70

CLASS X 20/30/30

PROTON EVENTS 20/30/30

D. OTTAWA 10.7 CM FLUX TODAY IS 144. PREDICTED 154/165/175.

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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HAXX ADWS 012300Z

DE BOU 012300Z

THIS IS THE MESSAGE FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SDF NUMBER 309B ISSUED 2300Z 1 JULY 1969

CLASS M FLARES ARE POSSIBLE DURING THE NEXT 18 HOURS.

A. DURING THE PAST 6 HOURS ONLY A FEW MINOR CLASS C FLARES HAVE BEEN OBSERVED MOSTLY FROM THE SE COMPLEX OF REGIONS. CURRENTLY ALL THE REGIONS ON THE DISK SHOW SIMPLE MAGNETIC CONFIGURATIONS.

SECTIONS B C AND D REMAIN UNCHANGED FROM SDF 309A.

E. MAGNETIC A-FREDERICKSBURG FOR 30 JUNE WAS 05. FOR 1 JULY ABOUT 08. PREDICTED AP FOR 2-4 JULY 10/10/10.

BT