

NNNN1704
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KMSC
PP KGFF
DE BOU 301700Z

HERE IS THE MESSAGE FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO
SDF NUMBER 338A ISSUED 1700Z 30 JULY 1969

CLASS M FLARES ARE PROBABLE DURING THE NEXT SIX HOURS.

A. ONLY CLASS C FLARES HAVE BEEN OBSERVED DURING THE PAST 18 HOURS. SIGNIFICANT SPOT GROWTH, WITH INCREASED PENUMBRAL AREA, HAS OCCURRED IN THE MIDDLE PORTION OF THE REGION NEAR S07E28. THIS REGION APPEARS VERY COMPLEX IN WHITE LIGHT, BUT ITS H-ALPHA STRUCTURE IS UNCHANGED FROM 24 HOURS AGO WITH THE PLAGE STILL APPEARING TO BE SCATTERED WITH NO FILAMENTS EMBEDDED IN THE PLAGE. THE REGION AT S16W08 CONTINUES TO BREAK UP IN WHITE LIGHT, BUT ITS ASSOCIATED PLAGE AND FILAMENT HAVE SHOWN LITTLE CHANGE THE PAST 24 HOURS. THE REGION AT S15W26 HAS SHOWN BRIGHT POINTS IN THE MODERATELY BRIGHT PLAGE AREA. A NEW D-TYPE SPOT GROUP IS AT S12E79 AND HAS A BRIGHT PLAGE AREA. ALL OTHER REGIONS ARE SMALL AND STABLE. THE GEOMAGNETIC FIELD IS QUIET.

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SHOULD
BE
S07 E18

B. IF CONTINUED GROWTH AND COMPLEXITY IS OBSERVED FROM THE S07E28 REGION, CLASS M FLARE ACTIVITY SHOULD INCREASE SHARPLY. THIS REGION SHOULD ALSO BE WATCHED FOR CLASS X ACTIVITY IN 48 HOURS IF GROWTH CONTINUES.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 30/1700Z ENDING 02/1700Z.

CLASS M OR GREATER 60/60/60

CLASS X 10/10/10

PROTON EVENTS 10/10/10

D. OTTAWA 10.7 CM FLUX AT 1400Z WAS 139.

E. N/A

F. KP ESTIMATED FOR 1200-1500Z WAS 02. KP FORECAST FOR NEXT 24 HOURS PER KP 15.3; 2/2/2/2/2/2/2/2.

SOLTERWARN

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NNNN2323

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KMSC PP KGFF

DE BOU 302320Z

HERE IS THE MSG FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SDF NUMBER 339B ISSUED 2300Z 30 JULY 1969

CLASS M FLARES ARE PROBABLE IN THE NEXT 18 HOURS.

A. THE LARGE REGION AT S07E13 HAS NOW DEVELOPED SUFFICIENTLY IN MAGNETIC COMPLEXITY TO PERMIT MAJOR FLARE ACTIVITY. MOUNT WILSON INDICATES MAGNETIC DELTA CONFIGURATION. SUBFLARE ACTIVITY FROM THIS REGION HAS BEEN MINIMAL IN THE LAST 24 HOURS. A NEW REGION AT S14E78 HAS ROTATED ONTO THE DISK AND SEEMS MODERATELY ACTIVE. A PECULIAR ELECTRON PRECIPITATION EVENT BEGAN ABOUT 30/1758Z. HIGH ENERGY ELECTRON FLUXES ROSE ABRUPTLY AT SATELLITE HEIGHT, AND RIOMETER ABSORPTION, FORWARD SCATTER PERTURBATION, SWF, SPA AND MAGNETIC ACTIVITY FOLLOWED WITH MAXIMUM EFFECTS AT 1813Z. NO KNOWN SOLAR EVENT COULD BE ASSOCIATED WITH THIS HAPPENING. NO INCREASE IN PROTON FLUXES WAS OBSERVED. THE GEO-MAGNETIC FIELD IS CURRENTLY QUIET.

B. CLASS M FLARES ARE PROBABLE, AND CLASS X FLARES ARE POSSIBLE. EVENT PROBABILITIES BELOW ARE REVISED FROM SDF 339A.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 30/2300Z ENDING 2/2300Z.

CLASS M OR GREATER 60/70/70

CLASS X 10/15/15

PROTON EVENTS 10/15/15

D. OTTAWA 10.7 CM FLUX TODAY AT 1700Z WAS 143. PREDICTED 145/150/155.

E. MAGNETIC A-FREDERICKSBURG FOR 29 JUL WAS 01. FOR 30 JUL ABOUT 11 PREDICTED AP FOR 31 JUL-2AUG, 5/5/5.

SOLTERWARN

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