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PP KGFF  
DE BOU 051710Z  
HERE IS THE MESSAGE FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO  
SDF NUMBER 3137 ISSUED 1700Z 05 JULY 1969.  
SMALL AND INFREQUENT CLASS M FLARES ARE EXPECTED DURING THE NEXT  
12 HOURS.

A. THE ONLY SIGNIFICANT ACTIVITY THE PAST 18 HOURS WAS AN IMP ONE  
BRIGHT CLASS M FLARE AT 05/1223Z IN THE REGION NOW NEAR S13E14.  
THE FLARE WAS ACCOMPANIED BY MODERATE X-RAY PRODUCTION BUT INSIG-  
NIFICANT RF BURSTS. A HARD, DARK FILAMENT CONNECTS THIS REGION WITH  
A LARGE H-TYPE SPOT GROUP NEAR S16E23. THE LARGE PENUMBRA OF THIS  
LATTER GROUP IS BREAKING UP AND BECOMING QUITE ASYMMETRICAL. THE  
SPOTS ASSOCIATED WITH THE REGIONS NEAR S09W66 AND S10W62 HAVE  
DECAYED SLIGHTLY. SUBFLARES AND BRIGHTENINGS HAVE BEEN REPORTED IN  
A REGION MAKING EAST LIMB PASSAGE NEAR N14. ALL OTHER REGIONS ARE  
RELATIVELY STABLE. ALL REGIONS ARE APPARENTLY MAGNETICALLY SIMPLE.  
THE GEOMAGNETIC FIELD HAS BEEN VERY QUIET.

B. INFREQUENT CLASS M FLARES ARE EXPECTED FROM THE SE AND/OR SW  
REGIONS. CLASS X FLARES ARE POSSIBLE BUT NOT EXPECTED FROM THE  
COMBINATION OF REGIONS IN THE SE. QUIET GEOMAGNETIC CONDITIONS ARE  
EXPECTED TO CONTINUE FOR THE NEXT 24 HOURS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR  
PERIODS BEGINNING 05 JULY/1700Z ENDING 08/1700Z.

CLASS M OR GREATER 60/60/50

CLASS X 20/20/20

PROTON EVENTS 20/20/20

D. OTTAWA 10.7 CM FLUX AT 1400Z TODAY IS 161. PREDICTED 162/162/160.

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

BT

NNNN

NNNNU  
VPP KGFF  
DE BOU 052300Z  
THIS IS THE MESSAGE FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO  
SDF NUMBER 313B ISSUED 2300Z 05 JULY 1969  
SMALL CLASS M FLARES ARE EXPECTED DURING THE NEXT 18 HOURS.  
A. ONLY MINOR ACTIVITY OBSERVED THE PAST 6 HOURS. THE GEOMAGNETIC  
FIELD REMAINS QUIET.  
SECTIONS B AND C REMAIN UNCHANGED FROM SDF 313A.  
D. OTTAWA 10.7 CM FLUX AT 1700Z TODAY WAS 161.  
PREDICTED 160/160/155.  
E. MAGNETIC A-FREDERICKSBURG FOR 04 JULY WAS 01. FOR 05 JULY  
ABOUT 05. PREDICTED AP FOR 06-08 JULY 10/10/10.  
BT

NNNW