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HERE IS THE MESSAGE FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO
SDF NUMBER 419A ISSUED 1700Z 19 OCT 1969

CLASS M ACTIVITY IS EXPECTED DURING THE NEXT 12 HOURS.

A. THE SIGNIFICANT SOLAR FEATURES ARE NOW LOCATED IN THE NE. THESE INCLUDE A D-TYPE SPOT GROUP AND NORMAL INTENSITY PLAGE NEAR N12E68, A LARGE J-TYPE SPOT IN BRIGHT PLAGE NEAR N12E85, AND FREQUENT IMP 2 SURGE ACTIVITY NEAR NE10 WHICH ENDICATES THAT MORE ACTIVE FEATURES ARE YET TO COME. THE N12E85 REGION PRODUCED SMALL CLASS M EVENTS AT 19/0001Z, IMP SUBNORMAL, AND 19/1138Z, IMP SUBFAINT. A THIRD SMALL M EVENT AT 19/1159Z WAS APPARENTLY ASSOCIATED WITH SURGE ACTIVITY NEAR NE10. THE GEOMAGNETIC FIELD IS SLIGHTLY DISTURBED.

B. CLASS M ACTIVITY IS EXPECTED FROM THE NE REGIONS AND MAJOR ACTIVITY MUST BE CONSIDERED POSSIBLE UNTIL THESE REGIONS ARE FAR ENOUGH ONTO THE DISK FOR FULL EVALUATION.

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

CLASS M OR GREATER 70/75/80

CLASS X 15/15/15

PROTON EVENTS 15/15/15

D. OTTAWA 10.7 CM FLUX AT 1400Z WAS 144. PREDICTED 156/166/172.

E. N/A

F. KP ESTIMATED FOR 1200-1500Z WAS 3. KP FORECAST FOR NEXT 24 HOURS PER KP 15.3; 3/3/3/3/2/2/2/2.

EFFECTIVE 21 OCT 69, THE SPACE DISTURBANCE FORECAST CENTER WILL ISSUE TWICE DAILY FORECASTS AT 0400Z AND 1700Z. THESE TIMES REPLACE THE CURRENT ISSUE TIMES OF 1700Z AND 2300Z.

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THIS MESSAGE FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO
SDF NUMBER 419B ISSUED 2300Z 19 OCT 1969

CLASS M EVENTS ARE EXPECTED DURING THE NEXT 18 HOURS.

A. SIGNIFICANT ACTIVITY-CONSISTING OF SUBFLARES, SURGES, AND SPRAYS-
HAS BEEN CONFINED TO THE REGION NOW CROSSING THE EAST LIMB NEAR N12.
PROBABLE CLASS M EVENTS OCCURRED IN THE REGION AT 19/1633Z AND
19/1720Z. MUCH OF THE ACTIVITY HAS BEEN ASSOCIATED WITH AN ACTIVE
FILAMENT WHICH ENTERS THE REGION FROM THE NW. EVALUATION IS STILL
HINDERED BY LIMB PROXIMITY, BUT INDICATIONS ARE THAT THIS REGION MAY
HAVE MAJOR FLARE POTENTIAL AND IT SHOULD BE WATCHED CLOSELY UNTIL
FULL EVALUATION IS POSSIBLE. THE GEOMAGNETIC FIELD IS SLIGHTLY
DISTURBED.

SECTION B REMAINS UNCHANGED FROM SDF 419A.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR
PERIODS BEGINNING 19 OCT/2300Z ENDING 22/2300Z.

CLASS M OR GREATER 80/90/90

CLASS X 15/20/25

PROTON EVENTS 15/20/25

D. OTTAWA 10.7 CM FLUX AT 1700Z WAS 147; AT 2000Z 157. REVISED
PREDICTIONS 164/174/184.

E. MAGNETIC A-FREDERICKSBURG FOR 18 OCT WAS 10. FOR 19 OCT ABOUT 15.
PREDICTED AP FOR 20-22 OCT 15/15/15.

EFFECTIVE 21 OCT 69, THE SPACE DISTURBANCE FORECAST CENTER WILL ISSUE
TWICE DAILY FORECASTS AT 0400Z AND 1700Z. THESE TIMES REPLACE THE
CURRENT ISSUE TIMES OF 1700Z AND 2300Z.

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