

KMSC  
PP KGFF  
DE BOU 310400Z  
HERE IS THE MSG FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO  
SDF NUMBER 431A ISSUED 0400Z 31 OCT 1969

AT MOST ONE CLASS M FLARE IS EXPECTED DURING THE NEXT 12 HOURS.  
A. THE 30/0918Z IMPORTANCE 1B FLARE, OCCURRING WITHIN THE REGION  
NOW LOCATED NEAR N10W70 WAS DEFINITELY A CLASS M EVENT. NO  
FURTHER ACTIVITY OF SUCH MAGNITUDE HAS BEEN OBSERVED THERE.  
BRIGHT POINTS IN THE SPOT'S ASSOCIATED HYDROGEN PLAGE STILL  
REMAIN NEAR THE LEADER, BUT BOTH THE PLAGE AND SPOT GROUP IN  
THE TRAILING PORTION HAVE CONTINUED TO DECLINE. ASIDE FROM  
THE NW CENTER, NO OTHER SPOT GROUP CURRENTLY VISIBLE POSES  
ANY IMMEDIATE THREAT.

B. THE MAJOR PORTION OF THE N10W70 GROUP WILL HAVE PASSED OVER  
THE WEST LIMB BY 01/2000Z. IMMEDIATELY THEREAFTER THE BACKGROUND  
LEVEL OF FLARES SHOULD DECLINE SHARPLY.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24  
HOUR PERIODS BEGINNING 31 OCT/0400Z ENDING 03 NOV/0400Z.

CLASS M OR GREATER 70/35/10

CLASS X 15/7/3

PROTON EVENTS 15/7/3

D. OTTAWA 10.7 CM FLUXES AT 30/1700 AND 2000Z WERE 164 AND 161  
RESPECTIVELY

SOLTERWARN

BT

NNNN001658  
NNNNQGVAMVEMVIMVLM

KMSC

PP KGFF

DE BOU 311700Z

HERE IS THE MESSAGE FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SDF NUMBER 431B ISSUED 1700Z 31 OCT 1969

CLASS M FLARES ARE EXPECTED DURING THE NEXT 11 HOURS.

A. SOLAR ACTIVITY REMAINS AT A LOW LEVEL WITH ONLY CLASS C FLARES BEING OBSERVED. THE REGION AT N11W80 CONTINUES TO DECAY ESPECIALLY IN THE TRAILER PORTION. TWO NEW SPOT GROUPS ARE GROWING AT N18E12 AND N19E18. ALL OTHER REGIONS ARE SMALL AND STABLE. THE GEOMAGNETIC FIELD IS SLIGHTLY DISTURBED.

B. THE N11W80 REGION SHOULD PRODUCE AT LEAST ONE MORE CLASS M FLARE BEFORE WEST LIMB PASSAGE ON 01 NOV.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 31/1700Z ENDING 03/1700Z.

CLASS M OR GREATER 70/20/20

CLASS X 15/02/02

PROTON EVENTS 15/02/02

D. OTTAWA 10.7 CM FLUX TODAY IS 153. PREDICTED 145/130/125.

E. MAGNETIC A-FREDERICKSBURG FOR 30 OCT WAS 0. FOR 31 OCT ABOUT 09.

PREDICTED AP FOR 01-03 NOVEMBER, 05/08/10.

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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BT