

KMSC
PP KGFF
DE BOU 230400Z
THIS MESSAGE FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO
SDF NUMBER 428A ISSUED 0400Z 28 OCTOBER 1969

CLASS M FLARES ARE EXPECTED IN THE NEXT 13 HOURS.

A. DURING THE PAST 14 HOURS TWO CLASS M FLARES HAVE BEEN OBSERVED. BOTH FLARES WERE CLASSIFIED OPTICALLY 1B. THE FIRST WAS 27/1430Z AT N10E68, THE SECOND 27/2055Z AT N10W20. THE LARGE COMPLEX REGION N11W23 IS STILL CLASSIFIED AS HAVING DELTA CONFIGURATION, BUT HAS SHOWN SOME DECLINE IN AREA TODAY. TWO NEW REGIONS HAVE STARTED TO MAKE EAST LIMB APPEARANCE, NE15 AND S13E84. THE REGION AT N16E62 HAS BEEN VERY ACTIVE DURING THE PAST 11 HOURS.

B. CLASS M FLARES ARE EXPECTED FROM N16E62 AND N11W23.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 28 OCT/0400Z ENDING 31 OCT/0400Z.

CLASS M OR GREATER 90/90/90

CLASS X 50/50/50

PROTON EVENTS 50/50/50

D. OTTAWA 10.7 CM FLUX AT 27/1700Z WAS 209.

BT

KMSC
PP KGFF
DE BOU 281700Z
~~HERE IS THE MSG FOR REFILE~~

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO
SDF NUMBER 428B ISSUED 1700Z 28 OCT 1969

CLASS M FLARES ARE EXPECTED DURING THE NEXT 11 HOURS.

A. SOLAR ACTIVITY HAS DECREASED WITH ONLY CLASS C FLARES
BEING OBSERVED. THE LARGE REGION AT N11W34 REMAINS BRIGHT
IN H-ALPHA, BUT ITS SPOT STRUCTURE IS UNCHANGED. THE MAIN
SPOT AT N16E54 IS GROWING AND HAS PRODUCED SEVERAL CLASS
C FLARES THIS ZULU DAY. ALL OTHER REGIONS ARE STABLE.

THE GEOMAGNETIC FIELD IS QUIET.

B. CLASS M ACTIVITY IS EXPECTED FROM THE N11W34 AND N16E54
REGIONS. THE POTENTIAL FOR A CLASS X FLARE EXISTS FROM THE
N11W34 REGION, BUT WITH THE PROBABILITIES LOWER THAN PREVIOUS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE
24 HOUR PERIODS BEGINNING 28/1700Z ENDING 31/1700Z.

CLASS M OR GREATER 80/80/80

CLASS X 35/30/25

PROTON EVENTS 35/30/25

D. OTTAWA 10.7 CM FLUX AT 1400Z WAS 195. PREDICTED 189/180/171.

E. MAGNETIC A-FREDERICKSBURG FOR 27 OCT WAS 03. FOR 28 OCT
ABOUT 06 PREDICTED AP FOR 29 OCT, 08/08/010.

F. KP ESTIMATED FOR 1200-1500Z WAS 1. KP FORECAST FOR NEXT 24
HOURS PER KP 15.3; 2/2/2/2/2/1/1/1.

SOLTERWARN

BT