

KMSC
PP KGFF
DE BOU 230405Z
HERE IS THE MSG FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO
SDF NUMBER 423A ISSUED 0400Z 23 OCT 1969

DURING THE NEXT 12 HOURS CLASS M FLARES ARE EXPECTED. THERE
IS ALSO THE STRONG POSSIBILITY OF A CLASS X EVENT OCCURRING.

A. THE F/950 REGION CENTERED NEAR N12E44 HAS NOT MODIFIED ITS
STRUCTURE SIGNIFICANTLY THESE PAST 12 HOURS. ALTHOUGH NO CLASS
M'S HAVE OCCURRED THERE, THE REGION HAS NOT APPARENTLY LOST THE
POTENTIAL FOR GENERATING A MAJOR FLARE. THE CENTRAL AND TRAILING
PORTIONS OF ITS HYDROGEN PLAGE ARE CURRENTLY THE BRIGHTEST. IN
TERMS OF ACTUAL NUMBERS OF SUBFLARES PRODUCED, THE SMALLER OF THE
2 NE REGIONS (N10E20) HAS BEEN THE LESS ACTIVE. INFREQUENT MOTIONS
HAVE ALSO BEEN OBSERVED ALONG THE PORTION OF THE LARGE CLOSED
FILAMENT LAYING BETWEEN THE 2 PLAGES.

B. A MAJOR FLARE OR FLARES IS DEFINITELY EXPECTED FROM ONE OR THE
OTHER OF THE 2 NE GROUPS SOMETIME DURING THE NEXT 24 TO 48 HOURS.
THE FULL RANGE OF SUBSEQUENT GEOPHYSICAL PHENOMENA IS ANTICIPATED
TO FOLLOW THIS EVENT AS WELL.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24
HOUR PERIODS BEGINNING 23/0400Z ENDING 26/0400Z.

CLASS M OR GREATER 100/100/90

CLASS X 45/50/25

PROTON EVENTS 45/50/25

D. OTTAWA 10.7 CM FLUX AT 22/2000Z WAS 192.

SOLTERWARN

BT

RR 0000
DE BOU 231705Z
HERE IS THE MESSAGE FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SDF NUMBER 423B ISSUED 1700Z 23 OCTOBER 1969

CLASS X FLARES ARE PROBABLE DURING THE NEXT 11 HOURS

A. THE REGION AT N12E37 CONTINUES ITS VERY THREATENING APPEARANCE WITH AN INCREASE IN SPOT AREA IN BOTH THE LEADER AND FOLLOWER, ALMOST CONTINUOUS SMALL POINT AND PLAGE BRIGHTENINGS, A DARKENING OF THE TRAILING UMBRA AND ACTIVE FILAMENTS. THE REGION AT N09E14 HAS SEPARATED INTO TWO SYMMETRICAL PENUMBRA AND IS CURRENTLY STABLE. THE REMAINING REGIONS ARE SMALL AND RELATIVELY STABLE. THE OTTAWA 10.7 CM SOLAR RADIO NOISE FLUX INCREASED SHARPLY THE PAST 24 HOURS.

B. A MAJOR CLASS X FLARE APPEARS VERY PROBABLE DURING THE NEXT 24 HOURS FROM THE N12E37 REGION.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 23/1700Z ENDING 26/1700Z.

CLASS M OR GREATER 100/100/100

CLASS X 50/55/60

PROTON EVENTS 50/55/60

D. OTTAWA 10.7 CM FLUX AT 1400Z WAS 213. PREDICTED 223/230/230.

E. MAGNETIC A-FREDERICKSBURG FOR 22 OCT WAS 08. FOR 23 OCT ABOUT 04. PREDICTED AP FOR 24-26 OCT 15/20/20.

F. KP ESTIMATED FOR 1- .5 , 2- 2. KP FORECAST FOR NEXT 24 HOURS PER KP 15.3; 2/2/2/2/2/2/2.

SOLTERWARN

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