

NNNNUM
KMSC
PP KGFF
DE BOU 201715Z
HERE IS THE MSG FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO
SDF NUMBER 420A ISSUED 1700Z 20 OCT 1969

M TYPE FLARES ARE EXPECTED FROM NE REGION

A. THE TWO REGIONS IN THE NORTH EAST (N11E54 AND N12E75)
ARE VERY INTENSE, AND THEY HAVE BEEN THE SCOURCE OF AT LEAST
M TYPE XRAY FLARES IN THE LAST 24 HOURS. ONLY ONE (20/0327Z)
WAS CLASSIFIED AS LARGE AS IMPORTANCE ONE. SEVERAL XRAY BURSTS
HAVE OCCURRED WITHOUT AN ASSOCIATED OPTICAL FLARE REPORT.

B. THESE TWO REGIONS ARE EXPECTED TO PRODUCE M TYPE XRAY FLARES
AT A RATHER HIGH RATE FOR THE NEXT FEW DAYS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24
HOUR PERIODS BEGINNING 20 OCT/1700Z ENDING 23/1700Z.

CLASS M OR GREATER 100/100/100

CLASS X 20/25/30

PROTON EVENTS 15/15/20

D. OTTAWA 10.7 CM FLUX TODAY IS 163. PREDICTED 175/180/185.

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

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.

SOLTERWARN

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INCORRECT

#NNNN2257
NNNNIM
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DE BOU 202300Z
THIS MESSAGE FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO
SDF NUMBER 420B ISSUED 2300Z 20 OCT 1969
M TYPE XRAY FLARES ARE EXPECTED DURING THE NEXT 6 HOURS.
A. ONLY SUB FLARES-LESS THAN TYPE M EVENTS-HAVE BEEN REPORTED SINCE
1700Z, BUT THE EASTERNMOST REGION (N12E75) HAS CONTINUED VERY BRIGHT
WITH MANY ABSORPTION/EMISSION FEATURES. A NEW SPOT GROUP IS ON THE
NE LIMB WITH BRIGHT PLAGE FROM E50 EASTWARD. ALL OTHER PORTIONS OF
THE SOLAR DISK ARE QUIET.
B. THE REGIONS IN NE QUAD SHOULD CONTINUE TO DOMINATE AND PRODUCE
SEVERAL M TYPE FLARES EACH DAY.
SECTION C REMAINS UNCHANGED FROM SDF 420B.
D. OTTAWA 10.7 CM FLUX AT 1700Z WAS 163. PREDICTED 175/180/185.
E. MAGNETIC A-FREDERICKSBURG FOR 19 OCT WAS 09. FOR 20 OCT ABOUT 10.
PREDICTED AP FOR 21-23 OCT 15/15/20.
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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