

NNNN
VKMSC PP KGFF
DE BOU 131700Z
HERE IS THE MSG FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO
SDF NUMBER 321A ISSUED 1700Z 13 JULY 1969

CLASS M FLARES ARE POSSIBLE DURING THE NEXT 6 HOURS.

A. ONLY CLASS C ACTIVITY DURING THE PAST 18 HOURS. AN IMP
ONE NORMAL FLARE OCCURRED IN THE REGION NOW NEAR N15W28 AT
13/1045Z, THIS REGION NOW APPEARS TO BE DECAYING THE PLAGE
IS QUITE SCATTERED AND FEWER SPOTS ARE VISIBLE THAN 24 HOURS
AGO. AT 12/1509Z AN IMP 1N FLARE IN A REGION BEGINNING WEST
LIMB TRANSIT NEAR S08 WAS ACCOMPANIED BY AN IMP24 SURGE WHICH
EXTENDED 0.1 TO 0.2 SOLAR RADIUS BEYOND THE LIMB. MATERIAL
ASSOCIATED WITH THIS SURGE MOVED NORTHWARD AND RETURNED TO
THE DISK ABOUT 12 DEGREES FROM THE POINT OF ORIGIN. NEITHER
RADIO BURSTS NOR SID EFFECTS ACCOMPANIED THIS EVENT. THE
BRIGHTEST FEATURE CURRENTLY ON THE DISK IS A RAPIDLY DEVELOPING
REGION NEAR N20E01. THE PLAGE HERE IS COMPACT AND BRIGHT
AND THE SPOT GROUP HAS GROWN FROM A TYPE A TO A TYPE D IN
THE PAST 24 HOURS, A THICK DARK ABSORPTION FEATURE IS
EMBEDDED IN THE CENTER OF THE PLAGE. NEW PLAGE BUT NO SPOTS ARE
VISIBLE NEAR NE12. THE GEOMAGNETIC FIELD HAS SHOWN PERIODS OF
MINOR DISTURBANCE.

B. ACTIVITY IS EXPECTED TO REMAIN RELATIVELY LOW FOR THE NEXT
72 HOURS. INFREQUENT SMALL BUT POSSIBLY ENERGETIC FLARES ARE
EXPECTED FROM THE REGIONS NOW MAKING WEST LIMB TRANSIT NEAR
SW08 AND SW15 AND THE GROWING REGION NEAR N15E01.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24
HOUR PERIODS BEGINNING 13/1700Z ENDING 16/1700Z.

CLASS M OR GREATER 40/30/30

CLASS X 10/05/05

PROTON EVENTS 10/05/05

D. OTTAWA 10.7 CM FLUX AT 1400Z WAS 139. PREDICTED 135/130/130.

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

SOLTERWARN

BT

*This one
used for last
minute planning.
50% on launch day
is 60-60*

NNNN
VKMSC PP KGFF
DE BOU 132300Z
THIS IS THE MESSAGE FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO
SDF NUMBER 321B ISSUED 2300Z 13 JULY 1969

ONLY CLASS C FLARES ARE EXPECTED DURING THE NEXT 18 HOURS.

A. NO SIGNIFICANT ACTIVITY THE PAST 6 HOURS. CHANGE SURGE REFERRED
TO IN SDF 321A FROM IMP 3 TO IMP 2. SURGE ACTIVITY CONTINUES NEAR
SW10-20. THE GEOMAGNETIC FIELD CONTINUES TO BE SPORADICALLY
UNSETTLED.

SECTIONS B AND C REMAIN UNCHANGED FROM SDF 321A.

D. OTTAWA 10.7 CM FLUX AT 1700Z TODAY WAS 140. PREDICTED
135/130/130.

E. MAGNETIC A-FREDERICKSBURG FOR 12 JULY WAS 14. FOR 13 JULY ABOUT
13. PREDICTED AP FOR 14-16 JULY 15/10/10.

BT