

UUV
PP KGFF
DE BOU 181725Z
HERE IS THE MSG FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO
SDF NUMBER 204A ISSUED 1700Z MARCH 18 1969

CLASS M FLARES ARE EXPECTED AND CLASS X FLARES AND/OR PROTON
EVENT ARE POSSIBLE DURING THE NEXT 12 HOURS.

A. A CLASS M FLARE OCCURRED 18/0625Z, IMP ONE BRIGHT, IN THE
REGION NEAR N15E09, THE LEADING REGION IN THE NE COMPLEX OF
REGIONS. A SUB-BRIGHT FLARE AT 18/1538Z IN THE REGION NEAR
N20E55 IS TENTATIVELY CLASSIFIED M BASED ON SID AT BOULDER.
NUMEROUS SMALL SPOTS HAVE DEVELOPED IN THE REGION NEAR N15E09.
SMALL SPOTS AND BRIGHT PLAGE NOW ENCIRCLE THE LARGE PENUMBRA
IN THIS REGION. AN EXTENSIVE CHAIN OF SMALL SPOTS HAS DEVELOPED
BETWEEN N13E14 AND N13E30. SPOTS AND BRIGHT PLAGE EXTEND FROM
N15E09 TO EAST LIMB. THE REGIONS ARE MAGNETICALLY COMPLEX WITH
INFERRED DELTA CONFIGURATIONS AND LARGE FIELD GRADIENTS AT N15
E11 AND N23E46 AND ANOTHER INFERRED DELTA CONFIGURATION NEAR
N20E59. AN ADDITIONAL IMP ONE NORMAL FLARE WAS REPORTED 18/1151Z
FROM NEAR N12E28.

B. CLASS M FLARES ARE EXPECTED AND CLASS X FLARES AND/OR PROTON
EVENTS ARE POSSIBLE DURING THE NEXT 3 DAYS FROM THE NE COMPLEX.

FORECASTS FOR MARCH 19-21

C. DAILY PERCENT PROBABILITIES FOR FLARES AND PROTON EVENTS

CLASS M OR GREATER 90/90/90

CLASS X 40/50/50

PROTON EVENTS 30/40/40

D. OTTAWA 10.7 CM FLUX TODAY IS 213. PREDICTED 215/217/217.

E. N/A

F. KP ESTIMATED FOR 1200-1500Z WAS 3. KP FORECAST FOR NEXT 24
HRS PER KP 15.3; 3-3-3-3-3-3-3-3.

BT

NNNN

NNNNUUUV
PP KGFF
DE BOU 182310Z
HERE IS THE MESSAGE FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO
SDF NUMBER 204B ISSUED 2300Z 18 MARCH 1969
CLASS M FLARES ANRE EXPECTED AND CLASS X FLARES AND/OR PROTON
EVENT ARE POSSIBLE DURING THE NEXT 18 HOURS

A. BASED UPON I-8A X-RAY DATA, THE IMPORTANCE ONE BRIGHT FLARE
AT 18/0625Z, CLASSIFIED M IN SDF 204A, IS RECLASSIFIED AS A SMALL
CLASS X EVENT. OFF-BAND OBSERVATIONS IN H-ALPHA INDICATE THAT
THE REGION NEAR N15E09 PROBABLY DOES NOT CONTAIN A DELTA CON-
FIGURATION. HOWEVER, THESE OBSERVATIONS CONFIRM THREE DELTA CON-
FIGURATIONS NEAR N23E46, N20E59, AND N21E42. THE NE COMPLEX
HAS PRODUCED NUMEROUS CLASS C EVENTS THE PAST 6 HOURS, INCLUDING
A ONE NORMAL AT 1913Z FROM NEAR N18E45. THESE REGIONS HAVE LOST
NONE OF THEIR POTENTIAL. OBSERVATIONS AS OF 18/2240Z INDICATE
THAT A MAJOR FLARE IS PROBABLE WITHIN THE NEXT 6 HOURS.

PARTS B, C, D, AND F REMAIN UNCHANGED FROM SDF 204A.

E. MAGNETIC A-FREDERICKSBURG FOR 17 MAR WAS 26. FOR 18 MAR ABOUT
17. PREDICTED AP FOR 19-21 MAR 15/12/10.

SOLTERWARN
BT