

NNNNUUUV

PP KGFF

DE BOU 221735Z

HERE IS THE MSG FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO
SDF NUMBER 208A ISSUED 1700Z 22 MARCH 1969

CLASS X FLARES ARE EXPECTED IN THE NEXT 12 HOURS

A. TWO CLASS M FLARES HAVE BEEN REPORTED IN THE LAST 12 HOURS.
REPORTS FROM THE SEVERAL OBSERVATORIES ARE SOMEWHAT CONTRADICTORY,
BUT IT SEEMS THAT THE FLARE BEGINNING 22/0609Z WAS IN THE REGION
WHERE PENUMBRAL EXTENSION WAS REPORTED IN SDF 207B. THE SECOND
FLARE WAS SE OF LARGEST SPOT IN GROUP CURRENTLY AT N12W29. IT
BEGAN 22/0644Z AND LIKE THE PREVIOUSLY MENTIONED FLARE, ITS
OPTICAL IMPORTANCE WAS ONE. LOW ENERGY PROTON FLUXES REPORTED
IN SDF'S 207A AND B HAVE BEGUN TO DECLINE. THE GEOMAGNETIC FIELD
IS SLIGHTLY DISTURBED.

B. CLASS X FLARES ARE EXPECTED FROM THE REGION CURRENTLY AT
N21E03. GEOMAGNETIC DISTURBANCE IS EXPECTED TO INTENSIFY, BASED
ON PIONEER DATA.

FORECASTS FOR 23-25 MARCH

C. DAILY PERCENT PROBABILITIES FOR FLARES AND PROTON EVENTS
CLASS M OR GREATER 90/90/90

CLASS X 50/50/50

PROTON EVENTS 50/50/50

D. OTTAWA 10.7 CM FLUX TODAY IS 224. PREDICTED 220/214/AGWPPM D 200

E. N/A.

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

SOLIERWARM

BT

NNNN

NNNNUV
PP KGFF
DE BOU 222300Z
THIS IS THE MESSAGE FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO
SDF NUMBER 208B ISSUED 2300Z 22 MARCH 1969
CLASS X FLARES ARE EXPECTED IN THE NEXT 12 HOURS.
A. ONE CLASS M FLARE HAS BEEN OBSERVED IN SIX HOURS BEGINNING
22/2030Z AT N20W08. GROWTH IS APPARENT IN THE TRAILING PORTION
OF THE REGION AT S30E09. MINOR FLARE ACTIVITY HAS INCREASED
NOTABLY SINCE SDF 208A. WEAK DEKAMETRIC CONTINUUM BEGAN AT
ABOUT 1920Z AND LASTED FOR SEVERAL HOURS. THE GEOMAGNETIC FIELD
HAS BEEN MODERATELY QUIET.
SECTIONS B C AND D ARE UNCHANGED FROM SDF 208A.
E. MAGNETIC A-FREDERICKSBURG FOR 21 MAR WAS 14. FOR 22 MAR ABOUT
16. PREDICTED AP FOR 23-25 MAR 20/15/10.
BT

NNNN