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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 220/210/AGWPPM <sup>D 200</sup>

E. N/A.

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

SOLIERWARN

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

FROM SPACE DISTURBANCE FORECAST CENTER FSSA 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

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