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PP KGFF  
DE BOU 301725Z  
HERE IS THE MESSAGE FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO  
SDF NUMBER 247A ISSUED 1700Z 30 APRIL 1969

CLASS M FLARES ARE EXPECTED IN THE NEXT 6 HOURS

A. A CLASS M FLARE, OPTICALLY 2N, WAS OBSERVED AT N12W26.  
CENTIMETRIC RADIO EMISSION WAS MINIMAL, BUT DEKAMETRIC CONTINUUM  
FOLLOWED THE FLARE. TYPE III EMISSION HAS PROCEEDED AT A RAPID  
RATE SINCE THE FLARE. DEVELOPMENT OF THE REGION AT N09W08 HAS  
BEEN INTERESTING. A HIGH MAGNETIC GRADIENT IS INFERRED TO THE  
SSE OF THE CENTER OF MASS OF THE GROUP, AND NEW SPOTS ARE OB-  
SERVED ON BOTH SIDES OF THE INFERRED NEUTRAL LINE. FILAMENTS  
WITH THE NEUTRAL LINE HAVE BEEN UNSTABLE. THE GEOMAGNETIC FIELD  
IS DISTURBED.

B. CLASS M FLARES ARE EXPECTED FROM THE N12W31 AND N09W08 REGIONS.  
GEOMAGNETIC DISTURBANCE IS EXPECTED TO DECREASE.

FORECASTS FOR 01-03 MAY 1969

C. DAILY PERCENT PROBABILITIES FOR FLARES AND PROTON EVENTS

CLASS M OR GREATER 80/80/80

CLASS X 10/15/20

PROTON EVENTS 10/10/10

D. OTTAWA 10.7 CM FLUX TODAY IS 127. PREDICTED 130/130/135.

E. N/A.

F. KP ESTIMATED FOR 1200-1500Z WAS 4. KP FORECAST FOR NEXT  
24 HOURS PER KP 15.3; 4/4/4/3/3/3/3.

SOLTERWARN

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HERE IS THE MESSAGE FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO  
SDF NUMBER 247B ISSUED 2300Z 30 APRIL 1969  
CLASS M FLARES ARE ANTICIPATED IN THE NEXT 18 HOURS.  
A. ONLY MINOR ACTIVITY HAS BEEN REPORTED IN THE LAST SIX HOURS.  
MINOR ABSORPTION HAS BEEN REPORTED BY HIGH LATITUDE RIOMETERS,  
BUT SEEMS RELATED TO MAGNETIC DISTURBANCE RATHER THAN SOLAR-  
INDUCED PROTON PRECIPITATION. GEOMAGNETIC FIELD IS RELATIVELY  
QUIET.  
PARTS B,C, AND D ARE UNCHANGED FROM SDF 247A.  
E. MAGNETIC A-FREDERICKSBURG FOR 29 APRIL WAS 13. FOR 30 APRIL  
ABOUT 18. PREDICTED AP FOR 01-03 MAY, 10/10/05.  
SOLTERWARN  
BT