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PP KOFF  
DF BOU 1317Z  
HERE IS THE MSG FOR PEFILF

FROM SPACE DISTURBANCE FORECAST CENTER FSSA BOULDER COLO  
SDF NUMBER 230A ISSUED 1700Z 13 APRIL 1969  
CLASS M FLARES ARE EXPECTED DURING THE NEXT 12 HOURS.  
A. A SMALL M FLARE, OPTICALLY IMP ONE BRIGHT, OCCURRED 13/1333Z  
IN THE REGION NEAR N10E43. AN IMP ONE BRIGHT FLARE AT 12/2229Z  
NEAR N35W96 WAS ACCCOMPANIED BY MINOR SID AND MAY HAVE BEEN CLASS  
M. NO SATELLITE X-RAY DATA ARE YET AVAILABLE FOR THIS EVENT. NEW  
SPOT GROUPS ARE REPORTED NEAR N23E69 AND N19E46, THE LATTER HAVING  
THE CHARACTERISTICS OF A RAPIDLY GROWING REGION. AT 13/0600Z HIGH  
ENERGY PROTON FLUXES WERE 3700 PERCENT ABOVE BACKGROUND. IT IS TOO  
EARLY TO TELL WHETHER OR NOT THIS WAS THE PEAK OF THE EVENT. AT  
13/1600Z THE THULE 30MHZ RIOMETER SHOWED 11.5DB ABSORPTION AND THE  
FT. CHURCHILL RIOMETER WAS REPORTED TO BE OFF SCALE WITH AT LEAST  
16DB ABSORPTION. THE NEUTRON COUNTING RATE AT DEEP RIVER BEGAN TO  
DECREASE SLOWLY ABOUT 12/2300Z AND IS PRESENTLY DEPRESSED ABOUT  
5 PERCENT. THE GEOMAGNETIC FIELD HAS BEEN MODERATELY DISTURBED.  
B. CLASS M FLARES ARE EXPECTED DURING THE NEXT 3 DAYS FROM  
REGIONS IN THE NE AND SE. THE GEOMAGNETIC FIELD IS EXPECTED TO  
REMAIN DISTURBED FOR 6 TO 18 HOURS.

FORECASTS FOR APRIL 14-16

C. DAILY PERCENT PROBABILITIES FOR FLARES AND PROTON EVENTS  
CLASS M OR GREATER 30/30/30

CLASS X 40/40/40

PROTON EVENTS 30/30/40

D. OTTAWA 10.7 CM FLUX TODAY IS 172. PREDICTED 180-185-183.

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

PT

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

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO  
SDF NUMBER 230B ISSUED 2300Z 13 APRIL 1969  
CLASS M FLARES ARE EXPECTED DURING THE NEXT 18 HOURS.  
A. SUBFLARE ACTIVITY IN THE NE REGIONS HAS BEEN AT A RELATIVELY HIGH  
LEVEL THE PAST 6 HOURS. THREE OF THESE FLARES, AT 1721 AND 1906Z,  
WERE ACCCOMPANIED BY MINOR SID AT BOULDER AND MAY HAVE BEEN CLASS M.  
ENERGETIC PARTICLES HAVE CONTAMINATED SATELLITE X-RAY DETECTORS AND  
FINAL CLASSIFICATION OF THESE FLARES WILL BE DELAYED UNTIL DATA FROM  
OTHER SATELLITES BECOME AVAILABLE. FORBUSH DECREASE AND SEVERE PCA  
CONTINUE. HIGH ENERGY PROTON FLUXES HAVE DECREASED SLIGHTLY.  
SECTIONS B C AND D REMAIN UNCHANGED FROM SDF 230A.  
E. MAGNETIC A-FREDERICKSBURG FOR 12 APR WAS 09. FOR 13 APR ABOUT 11.  
PREDICTED AP FOR 14-16 APR 30/15/10.  
BT