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PP KCFF
DE BOU 131720Z
HERE IS THE MSG FOR REFILE

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 12/2223Z
NEAR N35W50 WAS ACCOMPANIED 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 2700 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

NNNNUUU
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 ACCOMPANIED 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