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PP KGFF
DE BOU 151715Z
HERE IS THE MSG FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO
SDF NUMBER 232A ISSUED 1700Z 15 APRIL 1969

CLASS M FLARES ARE EXPECTED DURING THE NEXT 12 HOURS.

A. CLASS M FLARES OCCURRED 15/0010Z, IMP ONE BRIGHT, AND 15/1151Z,
IMP SUB BRIGHT, IN THE NE COMPLEX. THESE REGIONS CONTINUE TO PRO-
DUCE CLASS C FLARES AT A RAPID RATE. SIGNIFICANT PLAGE GROWTH HAS
OCCURRED IN THE SOUTHERN PORTION OF THE NE REGIONS AND SPOT GROWTH
HAS NOW LINKED THE OLDER AND NEWER SPOT GROUPS. THE REGIONS CONTINUE
TO CONTAIN NUMEROUS EMBEDDED FILAMENTS, SOME OF WHICH ARE ACTIVE.
ADDITIONAL IMP ONE FLARES OCCURRED IN THE NE REGIONS AT 14/2200Z
NORMAL, 15/0019Z NORMAL, 15/0430Z NORMAL, 15/1227Z BRIGHT, AND 15/
1236Z NORMAL. AN IMP ONE NORMAL FLARE OCCURRED NEAR N20W30 AT 15/
0225Z. HIGH ENERGY PROTON FLUXES, ENERGY GREATER THAN 25 MEV, HAVE
DECLINED STEADILY SINCE 13/0600Z. THE LOW ENERGY PROTONS, 3 TO 20
MEV, HAVE NOT YET BEGUN TO DECAY. THE PCA CONTINUES WITH THE THULE
30MHZ RIOMETER SHOWING 4.5DB ABSORPTION AT 15/1600Z. NEUTRON MONITOR
COUNTING RATES ARE CURRENTLY DEPRESSED BY ABOUT 4 PERCENT. SMALL TO
MODERATE GEOMAGNETIC DISTURBANCE CONTINUES AT HIGH LATITUDES.

B. CLASS M FLARE ACTIVITY IS EXPECTED TO CONTINUE AT OR SLIGHTLY
ABOVE THE PRESENT LEVEL. CLASS X EVENTS WILL BECOME MORE LIKELY
IN 2 TO 3 DAYS IF THE NE COMPLEX CONTINUES TO DEVELOP. THE GEO-
MAGNETIC FIELD IS EXPECTED TO REMAIN SLIGHTLY TO MODERATELY DIS-
TURBED FOR AT LEAST 24 HOURS.

FORECASTS FOR APRIL 16/18

C. DAILY PERCENT PROBABILITIES FOR FLARES AND PROTON EVENTS
CLASS M OR GREATER 80/90/90

CLASS X 30/40/40

PROTON EVENTS 30/30/30

D. OTTAWA 10.7 CM FLUX TODAY IS 180. PREDICTED 182/184/184.

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.

BT

NNNUUV
PP KGFF
DE BOU 152300Z
THIS IS THE MESSAGE FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO
SDF NUMBER 232B ISSUED 2300Z APRIL 15 1969

CLASS M FLARES ARE EXPECTED DURING THE NEXT 18 HOURS.

A. SUBFLARE ACTIVITY CONTINUES AT A MODERATE RATE FROM THE NE
COMPLEX OF REGIONS. ACTIVE FILAMENTS ARE LOCATED AT N19E21 AND
N17E30. THE PROTON EVENT REMAINS IN PROGRESS WITH THE THULE 30 MHZ
RIOMETER SHOWING A 3.7 DB ABSORPTION AT 15/2100Z. SATELLITE PROTON
COUNTING RATES ARE DECREASING EVENLY IN THE GREATER THAN 25 MEV
RANGE. THE GEOMAGNETIC FIELD IS CURRENTLY QUIET.

SECTIONS B C AND D REMAIN UNCHANGED FROM SDF 232A.

E. MAGNETIC A-FREDERICKSBURG FOR 14 APRIL WAS 13. FOR 15 APRIL
ABOUT 15. PREDICTED AP FOR 16-18 APRIL 25/15/12.

BT

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