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PP KGFF
DE BOU 141715Z
HERE IS THE MSG FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO
SDF NUMBER 231A ISSUED 1700Z 14 APRIL 1969.
CLASS M FLARES ARE EXPECTED DURING THE NEXT 12 HOURS.
A. CENTERS OF ACTIVITY ARE CURRENTLY LOCATED NEAR N09W80, N16
E15, S07E06, S12W05, N11E30, N21E34, AND N25E49. CLASS C FLARE
ACTIVITY HAS BEEN AT A HIGH LEVEL IN THE NE REGION S THE PAST
36 HOURS AND THESE REGIONS ARE CURRENTLY THE MOST THREATENING.
THEY CONTAIN NUMEROUS EMBEDDED AND ACTIVE FILAMENTS. WE ARE
STILL SEVERELY HAMPERED IN CLASSIFYING FLARE DUE TO PARTICLE
CONTAMINATION OF X-RAY DETECTORS ON SOME SATELLITES. POSSIBLE
SMALL CLASS M FLARES DID OCCUR 14/0443Z, IMP ONE BRIGHT, AND
14/0550Z, IMP SUB NORMAL, IN THE REGION NEAR N25E49 AND 14/
0938Z, IMP ONE NORMAL, NEAR N21E34. THE HIGH ENERGY PROTON
EVENT WHICH BEGAN ABOUT 11/1200Z APPARENTLY REACHED A PEAK NEAR
13/0600Z. HIGH ENERGY PARTICLE FLUXES ARE NOW DECAYING SLOWLY.
NEUTRON MONITOR COUNTING RATES REMAIN DEPRESSED BY ABOUT 5
PERCENT BUT SHOW SIGNS OF BEGINNING TO RECOVER. THE PCA CONTINUES
WITH THE THULE 30MHZ RIOMETER SHOWING 7.5 DB ABSORPTION AT 1600Z.
THE GEOMAGNETIC FIELD WAS AGAIN MODERATELY DISTURBED AT HIGH
LATITUDES.

B. CLASS M FLARES ARE EXPECTED FROM THE NE REGIONS DURING THE
NEXT 3 DAYS. SMALL CLASS X FLARES ARE POSSIBLE FROM THESE REGIONS
AND THE PROBABILITY OF SUCH FLARES WILL INCREASE IF THE REGIONS
CONTINUE THE GROWTH TREND SHOWN SINCE EAST LIMB PASSAGE. THE
GEOMAGNETIC FIELD IS EXPECTED TO REMAIN UNSETTLED FOR THE NEXT
24 HOURS.

FORECASTS FOR APRIL 15-17

C. DAILY PERCENT PROBABILITIES FOR FLARES AND PROTON EVENTS

CLASS M OR GREATER 80/80/80

CLASS X 40/40/40

PROTON EVENTS 30/30/30

D. OTTAWA 10.7 CM FLUX TODAY IS 178. PREDICTED 182/185/187.

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

NNNNUUU
PP KGFF
DE BOU 142315Z
THIS IS THE MESSAGE FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO
SDF NUMBER 231B ISSUED 2300Z 14 APRIL 1969

CLASS M FLARES ARE EXPECTED DURING THE NEXT 18 HOURS.

A. A CLASS M EVENT AT 14/1715Z WAS ASSOCIATED WITH AN IMP ONE BRIGHT FLARE WHICH BEGAN AT 1712Z NEAR S12W04 AND/OR A SUB BRIGHT FLARE AT 1715Z NEAR N05E30. THE NE REGIONS CONTINUE TO PRODUCE CLASS C EVENTS AT A RAPID RATE. PLAGE NOW ALMOST LINKS THE REGIONS NEAR S07E06 AND S12W05 AND THESE REGIONS SHOW SIGNS OF INTERACTION. FREQUENT FLUCTUATIONS AND INTERACTION ARE ALSO OBSERVED IN THE NE GROUP OF REGIONS. HIGH ENERGY PROTON FLUXES CONTINUE TO DECAY. THE IONOSPHERE AT HIGH LATITUDES REMAINS SEVERELY DISTURBED.

SECTIONS B C AND D REMAIN UNCHANGED FROM SDF 231A.

E. MAGNETIC A-FREDERICKSBURG FOR 13 APR WAS 14. FOR 14 APR ABOUT 15. PREDICTED AP FOR 15-17 APR 20/12/10.

BT