

NNNNUUU
PP KGFF
DE BOU 241715Z
HERE IS THE MESSAGE FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO
SDF NUMBER 210A ISSUED 1700Z 24 MARCH 1969
CLASS M FLARES ARE EXPECTED AND CLASS X FLARES ARE POSSIBLE
DURING THE NEXT 12 HOURS.

A. ONLY CLASS C FLARES HAVE BEEN OBSERVED DURING THE PAST 18 HOURS AND NO MAJOR CHANGES IN DISK FEATURES HAVE BEEN REPORTED. ACTIVE REGIONS ARE CURRENTLY CENTERED NEAR N13W68, N12W50, N19W41, N20W30, S27W40, S13W27, AND S31W15. THE REGION NEAR N20W30 REMAINS THE MOST IMPRESSIVE BUT HAS DECLINED THE PAST 18 HOURS. THE SPOT AREA HAS DECREASED SLIGHTLY AND THE PLAGE HAS DECAYED SOMEWHAT. A DARK E-W FILAMENT WHICH WAS PREVIOUSLY BORDERED BY BRIGHT PLAGE ON BOTH SIDES IS CURRENTLY BORDERED BY BRIGHT PLAGE ON ONLY ONE SIDE. THE GEOMAGNETIC STORM WHICH BEGAN WITH A SUDDEN COMMENCEMENT 23/1825Z REACHED MAJOR INTENSITY BETWEEN 23/2100Z AND 24/1200Z. THE GEOMAGNETIC FIELD AT BOULDER HAS BEEN ONLY MODERATELY DISTURBED SINCE 24/1300Z.

B. AT PRESENT THE PROBABILITY OF MAJOR SOLAR ACTIVITY SHOWS A SLIGHT DOWNWARD TREND. HOWEVER, THE POSSIBILITY OF REJUVENATION IN THE N20W30 REGION MUST NOT BE DISCOUNTED. THIS REGION REMAINS OF CLASS X POTENTIAL AND THOSE NEAR N13W68, N19W41, AND S31W15 ARE OF CLASS M POTENTIAL. CLASS M FLARES ARE EXPECTED AND CLASS X FLARES ARE POSSIBLE DURING THE NEXT THREE DAYS.

FORECASTS FOR 25-27 MARCH

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

CLASS X 45/40/35

PROTON EVENTS 45/40/35

D. OTTAWA 10.7 CM FLUX TODAY IS 197. PREDICTED 194/190/188.

E. N/A.

F. KP ESTIMATED FOR 1200-1500Z WAS 5. KP FORECAST FOR NEXT 24 HOURS PER KP 15.3; 4,4,4,4,4,3,3,3.

SOLTERPWARN

BT

MNNNUUV
PP KGFF
DE BOU 242320Z
THIS IS THE MESSAGE FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO
SDF NUMBER 210B ISSUED 2300Z 24 MARCH 1969
CLASS M FLARES ARE EXPECTED AND CLASS X FLARES ARE POSSIBLE DURING
THE NEXT 18 HOURS.

A. ONLY CLASS C FLARES HAVE BEEN OBSERVED THE PAST 6 HOURS AND NO
SIGNIFICANT CHANGES IN DISK FEATURES HAVE BEEN REPORTED. NEUTRON
MONITORS INDICATE THAT A FORBUSH DECREASE IS IN PROGRESS. COUNTING
RATES HAVE BEEN DECREASING SLOWLY SINCE ABOUT 23/2200Z AND BEGAN
SHOWING A MARKED DECREASE AT 24/1800Z. AT 24/2200Z THE DEEP RIVER
NEUTRON MONITOR COUNTING RATE WAS SEVEN PERCENT BELOW NOMINAL BACK-
GROUND. K INDICES INDICATE THAT THE GEOMAGNETIC FIELD HAS BEEN ONLY
SLIGHTLY DISTURBED SINCE 24/1800Z. HOWEVER, THE VERTICAL COMPONENT
AT BOULDER, NOT USED IN DETERMINING K INDEX, REMAINS MODERATELY
DISTURBED.

SECTIONS B C AND D REMAIN UNCHANGED FROM SDF 213A.

E. MAGNETIC A-FREDERICKSBURG FOR 23 MAR WAS 19. FOR 24 MAR ABOUT
100. PREDICTED AP FOR 25-27 MAR 50-20-15.

BT