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PP KGFF
DE BOU 191735Z
HERE IS THE MSG FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO
SDF NUMBER 205A ISSUED 1700Z MARCH 19 1969
CLASS M ARE EXPECTED WITH CLASS X FLARES POSSIBLE DURING THE
NEXT 12 HOURS.

A. SOLAR ACTIVITY HAS BEEN AT A SURPRISINGLY LOW LEVEL DURING
THE PAST 18 HOURS WITH ONLY CLASS C FLARES BEGIN REPORTED. THE
SPOT STRUCTURE IN ALL OF THE NE QUADRANT REGIONS HAVE CHANGED
LITTLE WITH THE EXCEPTION OF THE SPOTS AT N22E37 WHICH HAVE
MERGED SINCE YESTERDAY. MINOR SPOT GROWTH HAS OCCURRED AT N13
E09. THE UMBRA AT N22E37 APPEARS VERY DARK IN H-ALPHA WITH
HIGH FIELD STRENGTHS. ALL OTHER REGIONS ARE STABLE. AN IMPORTANCE
IF OCCURRED AT 19/1451Z AT N13E03.

B. THE REGIONS AT N13E09 AND N22E37 APPEAR UNDIMINISHED IN
MAJOR FLARE POTENTIAL.

FORECASTS FOR MARCH 20-22

C. DAILY PERCENT PROBABILITIES FOR FLARES AND PROTON EVENTS

CLASS M OR GREATER 90/90/90

CLASS X 40/40/40

PROTON EVENTS 30/30/30

D. OTTAWA 10.7 CM FLUX TODAY IS 210. PREDICTED 205/200/195.

E. N/A

F. KP ESTIMATED FOR 1200-1500Z WAS 1. KP FORECAST FOR NEXT 24
HOURS PER KP 15.3; 2-2-2-2-2-1-1-1.

BT

NNNNUUUV
PP KGFF
DE BOU 192320Z
HERE IS THE MESSAGE FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO
SDF NUMBER 205B ISSUED 2300Z 19 MARCH 1969

CLASS X FLARES ARE EXPECTED IN THE NEXT 12 HOURS

A. A PRECIPITOUS INCREASE IN 10 CM RADIO FLUX, IN ASSOCIATION WITH THE BEGINNING OF A METRIC TYPE I NOISE STORM /BEGINNING 19/1742Z/ HAS BEEN OBSERVED. MINOR FLARE ACTIVITY HAS BEEN REPORTED AT A HIGH RATE IN ALL OF THE NORTHEAST REGIONS. CHANGES IN FINE STRUCTURE OF SPOTS AND PLAGE IN THE REGION AT N22E31 HAVE BEEN NOTABLE. FURTHER, THE REGIONS HAVE SHOWN CONSIDERABLE SYMPATHETIC INVOLVEMENT, WITH FLARES IN THE MENTIONED REGION EXCITING SYMPATHETIC BRIGHTENINGS IN THE REGION AT N20E39. A GEOMAGNETIC STORM BEGAN WITH A SUDDEN COMMENCEMENT AT 19/1959Z.

B. CLASS X FLARES ARE EXPECTED FROM THE REGION AT N22E31. CLASS M FLARES ARE EXPECTED FROM THE REGIONS AT N13E03 AND N14W09. THE PROBABILITIES IN PART C ARE AMENDED FOR REASONS CITED ABOVE.

FORECASTS FOR 20-22 MARCH

C. DAILY PERCENT PROBABILITIES FOR FLARES AND PROTON EVENTS

CLASS M OR GREATER 90/90/90

CLASS X 50/50/50

PROTON EVENTS 50/50/50

D. OTTAWA 10.7 CM FLUX AT 2000Z WAS 221. PREDICTED 225/210/200.

E. MAGNETIC A-FREDERICKSBURG FOR 18 MAR WAS 12. FOR 19 MAR ABOUT 15. PREDICTED 45/20/10.

F. N/A.

SOLTERWARN

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