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FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 143 ISSUED 2200Z 22 MAY 1972

A. SOLAR ACTIVITY CONTINUED ITS DOWNWARD TREND WITH ONLY MINOR SUB-FLARE ACTIVITY REPORTED FOR THIS PERIOD. REGIONS 186 (S04W60) AND 193 (S12W29) HAVE SIMPLIFIED AND DECAYED DURING THIS PERIOD. THE 195 (N14W29), 197 (N16W32) AND 206 (N14W35) COMPLEX HAS INTENSIFIED IN THE AREA OF 206, BUT HAS NOT SHOWN GROWTH SUITABLE FOR AN ENERGETIC EVENT. THE GEOMAGNETIC FIELD HAS REMAINED QUIET.

B. SOLAR ACTIVITY SHOULD CONTINUE AT A RELATIVELY LOW LEVEL WITH A FURTHER DECREASE POSSIBLE. THE REGION 195-197-206 COMPLEX WOULD BE THE LIKELY AREA FOR FURTHER ACTIVITY. THE GEOMAGNETIC FIELD MAY BECOME MILDLY UNSETTLED TOWARD THE END OF THIS 24 HR. PERIOD.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 23/0000Z ENDING 25/2400Z

CLASS M OR GREATER 40/35/30

CLASS X 01/01/01

PROTON EVENTS 01/01/01

D. OTTAWA 10.7 CM FLUXES FOR 22/1400Z AND 22/1700Z WERE 141 AND 140, RESPECTIVELY. PREDICTED 10.7 CM FLUX FOR 23-25 MAY IS 136/132/128.

E. MAGNETIC A-FREDERICKSBURG FOR 21 MAY WAS 04. FOR 22 MAY ABOUT 26. PREDICTED AP FOR 23-25 MAY IS 07/10/14.

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