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HFUS BOU 212200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 142 ISSUED 2200Z 21 MAY 1972

A. SOLAR ACTIVITY HAS BEEN AT A LOW LEVEL. REGIONS 184 /S07 WEST LIMB/ AND 193/S12W18/ HAVE PRODUCED CLASS C SUB-FLARES. REGIONS 186 /S04W47/ AND 195/197 /N14W18/ HAVE BEEN INACTIVE. REGIONS 186, 193, AND 195/197 SHOW NEITHER SIGNIFICANT GROWTH NOR DECAY. THE EASTERN HALF OF THE VISIBLE DISK IS DEVOID OF ACTIVE REGIONS. THE GEOMAGNETIC FIELD HAS BEEN QUIET.

B. THE FREQUENCY OF FLARE ACTIVITY IS EXPECTED TO REMAIN LOW. ENERGETIC ACTIVITY IS POSSIBLE FROM REGIONS 193 AND 195/197. THE GEOMAGNETIC FIELD WILL BE QUIET.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 22 MAY/0000Z ENDING 24 MAY/2400Z.

CLASS M OR GREATER 45/40/40

CLASS X 03/01/01

PROTON EVENTS 02/02/02

D. OTTAWA 10.7 CM FLUXES FOR 21/1400Z AND 21/1700Z WERE BOTH 145. PREDICTED 10.7 CM FLUX FOR 22-24 MAY IS 140/136/132.

E. MAGNETIC A-FREDERICKSBURG FOR 20 MAY WAS 05. FOR 21 MAY ABOUT 05 PREDICTED AP FOR 22-24 MAY, 05/07/10.

SOLTERWARN

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