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HFUS BOU 022200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 033 ISSUED 2200Z 02 FEBRUARY 1972

A. SOLAR ACTIVITY REMAINS AT A LOW LEVEL. REGIONS 037 /N11W28/, 039 /N01E04/ AND 040 /S11W28/ EXHIBIT SLOW GROWTH IN SUNSPOT AND H ALPHA STRUCTURES. A SMALL PLAGE AREA HAS CROSSED EAST LIMB NEAR N09 AND SMALL SURGES ARE OCCURING NEAR SE10. THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED.

B. SOLAR ACTIVITY IS EXPECTED TO REMAIN AT A LOW LEVEL WITH REGIONS 037 AND 040 PRODUCING A FEW CLASS C EVENTS. THE GEOMAGNETIC FIELD IS EXPECTED TO BE QUIET DURING THE NEXT 72 HOURS.

C. EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 03 FEB/0000Z ENDING 05 FEB/2400Z.

CLASS M OR GREATER 20/20/25

CLASS X 01/01/01

PROTON EVENT 01/01/01

D. OTTAWA 10.7 CM FLUXES FOR 02/1400Z, 1700Z AND 2000Z WERE 109, 110 AND 109. PREDICTED 10.7 CM FLUXES FOR 03-05 FEB ARE 110/112/113.

E. MAGNETIC A-FREDERICKSBURG FOR 01 FEB WAS 04. FOR 02 FEB ABOUT 09. PREDICTED AP FOR 03-05 FEB ARE 04/03/03.

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