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HFUS BOU 042200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 095 ISSUED 2200Z 4 APRIL 1972

A. SOLAR ACTIVITY CONTINUES AT A LOW LEVEL WITH ONLY SMALL NON-ENERGETIC SUBFLARES REPORTED FROM DISK REGIONS. MINOR SURGE ACTIVITY IS BEING REPORTED ON THE EAST LIMB NEAR N10 AND S10. GROUND BASED SENSORS INDICATED THAT AN INTERPLANETARY SECTOR BOUNDARY SWEEP PAST THE EARTH EARLY TODAY. SUBSTORM ACTIVITY AT HIGH LATITUDES AND UNSETTLED GEOMAGNETIC CONDITIONS AT MID-LATITUDES HAVE FOLLOWED THE SECTOR BOUNDARY PASSAGE.

B. A SLIGHT INCREASE IN THE LEVEL OF SOLAR ACTIVITY CAN BE EXPECTED AS SOURCES OF EAST LIMB SURGE ACTIVITY ROTATE ONTO THE VISIBLE DISK. UNSETTLED GEOMAGNETIC CONDITIONS ARE EXPECTED TO PERSIST FOR THE NEXT 12 HOURS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 05/0000Z ENDING 07/2400Z.

CLASS M OR GREATER 10/20/20

CLASS X 01/01/01

PROTON EVENTS 01/01/01

D. OTTAWA 10.7CM FLUXES FOR 04/1400Z 04/1700Z AND 04/2000Z WERE 101, 101 AND 101 RESPECTIVELY. PREDICTED 10.7CM FLUXES FOR 05-07 APRIL ARE 101/102/103.

E. MAGNETIC A-FREDERICKSBURG FOR 03 APR WAS 02. FOR 04 APR ABOUT 10. PREDICTED AP FOR 05-07 APRIL IS 09/08/07.

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