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HFUS BOU 242200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 145B ISSUED 2200Z MAY 24 1972

A. SOLAR ACTIVITY IS AT A MODERATE LEVEL. REGION 210/N08E80/ PRODUCED A 1B FLARE WITH ASSOCIATED MAJOR RADIO AND CLASS X5 XRAY BURSTS AT 24/0657Z AND SEVERAL SUBFLARES, ONE OF WHICH ALSO PRODUCED A PROBABLE CLASS M X-RAY BURST AT 24/1745Z. CONSIDERABLE LIMB ACTIVITY CONSISTING OF BSL'S, MOUNDS, AND LOOPS ASSOCIATED WITH THIS REGION HAS BEEN OBSERVED AND INDICATES THAT TRAILER SPOTS HAVE YET TO CROSS THE LIMB. REGION 210 IS A NEW SPOT GROUP ON ITS FIRST TRANSIT OF THE VISIBLE DISK. REGION 193/S13W54/ PRODUCED A 1F FLARE, BUT OTHERWISE THE REMAINDER OF THE DISK WAS QUIET. THE GEOMAGNETIC FIELD HAS BEEN UNSETLED.

B. REGION 210 WILL CONTINUE TO PRODUCE SIGNIFICANT ACTIVITY. ALL OTHER REGIONS WILL CONTINUE TO DECLINE, ALTHOUGH REGION 193 WILL REMAIN CAPABLE OF PRODUCING ENERGETIC ACTIVITY. THE GEOMAGNETIC FIELD WILL CONTINUE UNSETLED.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 25 MAY/0000Z ENDING 27 MAY/2400Z.

CLASS M OR GREATER 70/65/60

CLASS X 10/05/05

PROTON EVENTS 05/01/01

D. OTTAWA 10.7 CM FLUXES FOR 24/1400Z, 24/1700Z AND 24/2000Z WERE 131, 132 AND 132 RESPECTIVELY. PREDICTED 10.7 CM FLUX FOR 25-27 MAY IS 134/132/130.

E. MAGNETIC A-FREDERICKSBURG FOR 23 MAY WAS 06. FOR 24 MAY ABOUT 08 PREDICTED AP FOR 25-27 MAY, 014/018/015.

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