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HFUS BOU 252200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 238 ISSUED 2200Z 25 AUGUST 1972

A. ACTIVITY CONTINUES AT A LOW LEVEL. REGION 367 /S13E13/ PRODUCED ONE SUBFLARE AT 25/0523Z WHICH GENERATED A CLASS C5 X-RAY EVENT AND A SHORT WAVE FADE OF 27 MINUTES AT 10 MHZ; AND ONE SUBFLARE AT 25/1024Z WHICH GENERATED AN M1 X-RAY EVENT AND A SHORT WAVE FADE LASTING 30 MINUTES AT 21 MHZ. RETURNING REGION 331 /NE15/ PRODUCED A SB FLARE AT 25/1231Z WHICH GENERATED AN M2 X-RAY EVENT AND A SHORT WAVE FADE OF 31 MINUTES AT 12 MHZ. SUNSPOTS ASSOCIATED WITH REGION 331 ARE NO YET VISIBLE. ALL VISIBLE REGIONS ARE STABLE. THE GEOMAGNETIC FIELD HAS BEEN QUIET.

B. BRIGHT SURGES, A SPRAY, PLAGE, AND WHITE LIGHT FACULAE HAVE BEEN OBSERVED NEAR NE15. THE ABSENSE OF VISIBLE SPOTS INDICATES THAT OLD REGION 331 IS NOT AS MASSIVE AS IT WAS. HOWEVER THERE REMAINS POTENTIAL FOR ENERGETIC ACTIVITY. REGION 367 IS EXPECTED TO CONTINUE PRODUCING MODERATE ACTIVITY. THE GEOMAGNETIC FIELD SHOULD BE QUIET FOR AT LEAST 48 HOURS BUT MAY BE DISTURBED AFTER THAT.

C. EVENT PROBABILITIES 26 AUG/0000-28 AUG/2400Z.

CLASS M 50/50/50

CLASS X 10/10/10

PROTON 05/05/10

D. OTTAWA 10.7CM FLUX

OBSERVED 25 AUG/1700Z 125

PREDICTED 26-28 AUG 130-135-138

E. A-FREDERICKSBURG

OBSERVED 24 AUG 002

ESTIMATED 25 AUG 002

PREDICTED 26-28 AUG 003-005-010

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