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HXUS BOU 052200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 187 ISSUED 2200Z 05 JUL 1972

A. SOLAR ACTIVITY HAS DECREASED DURING THE PAST 24 HOURS. IT HAS BEEN LIMITED TO 10 C-CLASS SUBFLARES FROM FOUR ACTIVE REGIONS. REGION 262 (N08W59), REGION 263 (S13W37), REGION 269 (N09E31) AND REGION 271 (S10E54). THE GEOMAGNETIC FIELD HAS BEEN VERY QUIET.

B. REGION 271, AFTER PRODUCING SEVERAL M-CLASS FLARES YESTERDAY HAS BEEN RATHER QUIET. THIS REGION STILL MAINTAINS M-CLASS FLARE POTENTIAL. THE MOST INTERESTING FEATURE ON THE DISK IS REGION 269. THERE IS BRIGHT PLAGE AND EVIDENCE OF THE FORMATION OF A MAGNETIC VORTEX HERE. OTHER REGIONS APPEAR FAIRLY SIMPLE. THE GEOMAGNETIC FIELD SHOULD BE QUIET TO UNSETTLED DURING THE NEXT 72 HOURS. AN INTERPLANETARY SECTOR BOUNDARY PASSAGE IS EXPECTED TOWARD THE END OF THE PERIOD.

C. EVENT PROBABILITIES 06 JUL/0000Z - 08 JUL/2400Z

CLASS M 50/55/60

CLASS X 02/02/05

PROTON 01/01/03

D. OTTAWA 10.7 CM FLUX

OBSERVED 05 JUL/1700Z 145

PREDICTED 06 JUL - 08 JUL 145 - 145 - 145

E. A-FREDERICKSBURG

OBSERVED 04 JUL 03

ESTIMATED 05 JUL 03

PREDICTED 06 JUL - 08 JUL 05 - 08 - 12

SOLTERWARN

BT

BOULDER FORECAST