

Boulder Forecast

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HXUS BOU 222200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 174 ISSUED 2200Z 22 JUNE 1972

A. SOLAR ACTIVITY HAS BEEN LOW FOR THE PAST 24 HOURS.

ONLY LIGHT C-CLASS SUBFLARES HAVE BEEN PRODUCED, MAINLY FROM THE REGION 256 (N09E48) REGION 256 (N06E51) COMPLEX.

THIS COMPLEX APPEARS TO BE RELATIVELY STABLE AND UNCOMPLICATED MAGNETICALLY. REGION 248 (S08W12) HAS DECLINED SOMEWHAT BUT STILL SHOWS THE EFFECTS OF ITS PROXIMITY TO REGION 255 (S11E03). OTHER REGIONS APPEAR DULL AND UNINTERESTING. THE GEOMAGNETIC FIELD BECAME UNSETTLED AT 0200Z TODAY BUT HAS NOW BECOME QUIET AGAIN.

B. REGION 237 HAS NOW PASSED OVER THE WEST LIMB. IT APPEARED TO HAVE ENERGETIC FLARE POTENTIAL AS IT LEFT AND CAN NOT BE DISMISSED FOR A DAY OR TWO. THE REGION 248/255 COMPLEX DOES NOT APPEAR TO BE WINDING UP TO PRODUCE IMPORTANT FLARES BUT THIS DEVELOPMENT MAY BE STILL TO COME. THE REGION 256/257 COMPLEX APPEARS TO BE RATHER SIMPLE MAGNETICALLY AND DOES NOT CONTAIN GREAT ENERGETIC FLARE POTENTIAL. A SMALL M-CLASS FLARE MIGHT OCCUR HERE AT ANYTIME. MORE ENERGETIC FLARES COULD BE PRODUCED IN A COUPLE OF DAYS IF THE ACTIVITY CENTERS DEVELOP AS EXPECTED. THE GEOMAGNETIC FIELD SHOULD BE QUIET TO UNSETTLED AT THE END OF THE PERIOD.

C. EVENT PROBABILITIES FOR THE THREE 24 HOUR PERIODS BEGINNING 23 JUN/0000Z AND ENDING 25 JUN/2400Z.

CLASS M OR GREATER 50/55/65

CLASS X 01/01/05

PROTON 01/01/05

D. OTTAWA 10.7 CM FLUX FOR 22 JUN/1700Z WAS 131. PREDICTED 10.7 CM FLUX FOR 23 JUN - 25 JUN IS 125/120/117.

E. FREDERICKSBURG A-INDEX FOR 21 JUN WAS 06. FOR 22 JUN ABOUT 09. PREDICTED A-FREDERICKSBURG FOR 23 JUN - 25 JUN IS 08/12/12.

SOLTERWARN

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