

# Boulder Forecast

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HXUS BOU 062200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 188 ISSUED 2200Z 06 JULY 1972

A. SOLAR ACTIVITY REMAINS GENERALLY LOW. REGION 271 /S10E40/ HAS PRODUCED TWO SUBFLARES AND A 1N. REGION 262 /N08W72/ HAS BEEN THE MOST ACTIVE ON THE DISK AND HAS PRODUCED SIX C-CLASS SUBFLARES AND ONE M-2 X-RAY FLARE /1N OPTICALLY/ AT 06/0645Z. OTHER REGIONS ARE RATHER QUIET. THE GEOMAGNETIC FIELD HAS REMAINED VERY QUIET FOR THE THIRD DAY.

B. PRESENTLY THREE REGIONS DEMAND ATTENTION. WHILE REGION 262 DOES NOT LOOK ESPECIALLY COMPLEX MAGNETICALLY IT HAS PRODUCED NUMEROUS SUBFLARES. IT HAS REACHED A POSITION NEAR THE WEST LIMB WHERE IT CANNOT BE VIEWED EASILY FOR ANALYSIS. DURING THE NEXT 72 HOURS EFFECTS FROM ENERGETIC FLARES IN THIS REGION COULD EASILY BE FELT AT EARTH. REGION 271 DOES NOT APPEAR ESPECIALLY COMPLEX, BUT HAVING ALREADY PRODUCED FOUR MODERATE M-CLASS FLARES, IT IS LIKELY TO PRODUCE MORE MODERATELY ENERGETIC FLARES. REGION 269 /N09E17/ HAS GENERATED THREE SMALL SUBFLARES DURING THE PAST 24 HOURS AND HAS SOME M-CLASS FLARE POTENTIAL. THE GEOMAGNETIC FIELD IS EXPECTED TO BE VERY QUIET TO MODERATELY UNSETTLED LATER IN THE FORECAST PERIOD. AN INTERPLANETARY SECTOR BOUNDARY PASSAGE APPEARS LIKELY DURING THE NEXT DAY OR SO.

C. EVENT PROBABILITIES 07 JULY/0000Z-09 JULY/2400Z.

CLASS M 60/60/50

CLASS X 03/03/01

PROTON 03/03/03

D. OTTAWA 10.7CM FLUX

OBSERVED 06 JULY/1700Z 141

PREDICTED 07 JULY-09 JULY 138-135-130

E. A-FREDERICKSBURG

OBSERVED 05 JULY 02

ESTIMATED 06 JULY 04

PREDICTED 07 JULY-09 JULY 06-12-10

SOLTERWARN

SPAN

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