

# BOULDER FORECAST

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HFUS BOU 252200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 177 ISSUED 2200Z 25 JUNE 1972

A. SOLAR ACTIVITY CONTINUED AT A FAIRLY LOW LEVEL THE PAST 24 HOURS. THE ONLY SIGNIFICANT EVENTS WERE A ONE NORMAL AND A ONE BRIGHT FLARE WHICH OCCURRED IN REGION 256 /N09E10/ AT 25/0010Z AND 25/0441Z RESPECTIVELY. THE 25/0441Z EVENT CAUSED A SWF WHICH LASTED 31 MINUTES AT 15 MHZ. NEW REGION 261 /N11E04/ HAS APPEARED JUST WEST OF REGION 256, AND THE CONGLOMERATION 256/257/261 REMAINS COMPLEX ENOUGH TO PRODUCE SIGNIFICANT ACTIVITY. REGION 248 /S08W51/ HAS AN E-W NEUTRAL LINE WITH SEVERAL BENDS AND HAS PRODUCED SEVERAL SUBFLARES. THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED.

B. REGION 256 IS DECLINING IN AREA BUT CAN BE EXPECTED TO CONTINUE PRODUCING ENERGETIC ACTIVITY. REGION 248 IS EXPECTED TO CONTINUE AT ITS PRESENT LEVEL OF ACTIVITY. THE GEOMAGNETIC FIELD SHOULD STABILIZE SLIGHTLY OVER THE NEXT 72 HOURS BUT WILL REMAIN UNSETTLED.

C. EVENT PROBABILITIES FOR THE THREE 24 HOUR PERIODS BEGINNING 26 JUNE/0000Z AND ENDING 28 JUNE/2400Z

CLASS M OR GREATER 70/65/65

CLASS X 10/05/05

PROTON 05/05/01

D. OTTAWA 10.7 CM FLUX FOR 25 JUNE 1700Z WAS 121. PREDICTED 10.7 CM FLUX FOR 26-28 JUNE IS 119/117/117.

E. FREDERICKSBURG A-INDEX FOR 24 JUNE WAS 010. FOR 25 JUNE ABOUT 008. PREDICTED A-FREDERICKSBURG FOR 26-28 JUNE IS 008/008/006.

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