

# BOULDER FORECAST

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KBOU

HFUS BOU 232210

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 175 ISSUED 2200Z 23 JUNE 1972

A. SOLAR ACTIVITY FOR THIS PERIOD WAS QUITE UNIMPRESSIVE WITH THE EXCEPTION OF A IN FLARE FROM REGION 256 /N08E42/. THIS FLARE WAS ACCOMPANIED BY A MODERATE RF BURST AND X-RAYS TENTATIVELY CLASSIFYING THE EVENT AS AN X1. REGION 248 /S09W26/ HAS PRODUCED ONLY SUBFLARE ACTIVITY, BUT STILL BEARS WATCHING DUE TO ITS E-W NEUTRAL LINE NEAR THE LEADER SPOT. REGION 255 /S11W12/ IS STILL FOLLOWING THIS REGION RATHER CLOSELY. REGION 257 /N05E40/ IS CLOSELY ASSOCIATED WITH REGION 256, BUT HAS NOT PROVIDED ANY ACTIVITY OTHER THAN SUBFLARES. THE GEOMAGNETIC FIELD HAS BEEN MILDLY UNSETTLED.

B. FURTHER ACTIVITY FROM REGION 256 CAN BE EXPECTED. THE MAGNETIC COMPLEXITY OF THIS REGION SHOULD CONTINUE TO AID ENERGETIC EVENT PRODUCTION FOR THE NEXT 72 HOURS. REGIONS 248 AND 255 COULD ALSO PRODUCE INTERESTING ACTIVITY IF AND WHEN THESE TWO REGIONS INTERACT. THE MAGNETIC FIELD SHOULD REMAIN MILDLY UNSETTLED.

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

CLASS M OR GREATER 70/70/70

CLASS X 10/10/10

PROTON 05/05/05

D. OTTAWA 10.7 CM FLUX FOR 23 JUNE/1700Z WAS 126.4. PREDICTED 10.7 CM FLUX FOR 24 JUNE-26 JUNE IS 122/120/118.

E. FREDERICKSBURG A-INDEX FOR 22 JUNE WAS 12. FOR 24 JUNE ABOUT 14. PREDICTED A-FREDERICKSBURG FOR 24-26 JUNE IS 12/12/10.

SOLTERWARN

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