

# BOULDER FORECAST

NNNN

KBOU

HXUS BOU 052200

SDF NUMBER 157 ISSUED 2200Z 05 JUNE 1972

A MOST SUBFLARE ACTIVITY DURING THE PAST 24 HOURS HAS COME FROM REGION 222 (S05E12). REGIONS 210 (N09E78), 219 (S04E07), AND 229 (N06E45) HAVE EACH PRODUCED A COUPLE OF SUBFLARES.

ONE OF THE SUBFLARES IN REGION 210 AND ONE IN REGION 222 WERE SMALL M-CLASS X-RAY EVENTS. REGION 222 APPEARS TO BE THE MOST RAPIDLY GROWING ACTIVITY CENTER ON THE DISK, BUT REGION 210 MAINTAINS POTENTIAL FOR AN ENERGETIC EVENT AS IT PASSES INTO THE WEST LIMB. THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED.

B. OCCASIONAL M-CLASS EVENTS MAY BE EXPECTED FROM REGIONS 210, 222 AND PERHAPS 219. THE GEOMAGNETIC FIELD IS EXPECTED TO BE QUIET TO MILDLY UNSETTLED DURING THE NEXT 72 HOURS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 06/0000Z ENDING 08/2400Z.

CLASS M OR GREATER 75/75/75

CLASS X 10/10/10

PROTON EVENTS 10/15/15

D. OTTAWA 10.7 CM FLUXES FOR 05/1400Z, 05/1700Z AND 05/2000Z WERE 161, 160 AND 158 RESPECTIVELY.

PREDICTED 10.7CM FLUX FOR 06-08 JUNE IS 154/152/148.

E. MAGNETIC A-FREDERICKSBURG FOR 04 JUNE WAS 13. FOR 05 JUN ABOUT 14 PREDICTED AP FOR 06-08 JUNE, 11/09/09.

SOLTERWARN

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