

# FORECAST FROM BOULDER

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KBOU

HFUS BOU 132200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 165 ISSUED 2200Z 13 JUN 1972

A. SOLAR ACTIVITY HAS BEEN LOW. REGION 237 /S11E33/ HAS BEEN THE ONLY REGION ON THE DISK TO PRODUCE SUBFLARES. SPOT AND PENUMBRA GROWTH AND SOME ROTATION OF THE SPOTS HAS OCCURED IN THE PAST 24 HOURS. MAGNETIC CHANGES HAVE TAKEN PLACE IN THE NE PORTION AND THE DELTA MAY NO LONGER EXIST THERE. THE CLASS M X-RAY EVENT WITH A RADIO BURST AT 0140Z WAS PROBABLY CAUSED BY REGION 222 /S08W99/. ALL OTHER REGIONS ARE STABLE. THE GEOMAGNETIC FIELD HAS BEEN QUIET.

B. SOLAR ACTIVITY WILL BE LOW WITH REGION 237 SUPPLYING ALL THE DISK ACTIVITY. MAGNETIC CHANGES IN REGION 237 MAY BE THE HARBINGER OF INCREASED ACTIVITY. QUIET TO UNSETTLED GEOMAGNETIC CONDITIONS EXPECTED.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 14 JUN/0000Z ENDING 16 JUN/2400Z.

CLASS M OR GREATER 60/65/70

CLASS X 10/05/05

PROTON EVENTS 01/01/01

D. OTTAWA 10.7 CM FLUXES FOR 13/1400Z, 13/1700Z AND 13/2000Z WERE 136, 137 AND 133 RESPECTIVELY.

PREDICTED 10.7 CM FLUX FOR 14-16 JUN IS 130/125/120.

E. MAGNETIC A-FREDERICKSBURG FOR 12 JUN WAS 03. FOR 13 JUN ABOUT 06. PREDICTED AP FOR 14-16 JUN, 05/08/08.

SOLTERWARN

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