

# BOULDER

HXUS BOU 042200 **Forecast**

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 186 ISSUED 2200Z 04 JULY 1972

A. SOLAR ACTIVITY HAS INCREASED WITH THE ROTATION OF REGION 271 /S10E66/ ONTO THE VISIBLE DISK. THIS REGION CONSISTS OF A COMPACT PLAGE AND DEVELOPING D-TYPE SPOT GROUP. ENERGETIC FLARES HAVE BEEN OCCURRING AHEAD OF THE LEADER SPOT OF 271. SMALL CLASS M EVENTS WERE OBSERVED AT 04/1132Z /SF11F, M1/, 04/1715Z /SN, M1/ AND 04/1807Z /1B, M4/. THE PLAGES OF REGIONS 262 /N08W52/ AND 272 /S00W53/ MAY BE MERGING. A NEW REGION, NUMBER 273, WITH A COMPACT PLAGE AND D-TYPE SPOT GROUP IS DEVELOPING RAPIDLY NEAR S04E39. THE GEOMAGNETIC FIELD HAS BEEN QUIET.

B. ENERGETIC ACTIVITY IS EXPECTED FROM REGION 271 FOR THE NEXT 48 TO 72 HOURS. IF PRESENT DEVELOPMENT TRENDS CONTINUE ENERGETIC ACTIVITY COULD ALSO ISSUE FROM REGIONS 262/272 AND 273. THE GEOMAGNETIC FIELD WILL BE QUIET TO MILDLY UNSETTLED.

C. EVENT PROBABILITIES 05 JULY/0000Z-07 JULY/2400Z

CLASS M 60/60/55

CLASS X 02/05/02

PROTON 01/01/01

D. OTTAWA 10.7 CM FLUX

OBSERVED 04 JULY/1700Z 148

PREDICTED 05-07 JULY 146-150-152

E. A-FREDERICKSBURG

OBSERVED 03 JULY 07

ESTIMATED 04 JULY 04

PREDICTED 05-07 JULY 03-10-10

SOLTERWARN

SPAN2

BT