

HFUS 1 BOU 222200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 204

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 2200Z 22 JULY 1980

I A. SOLAR ACTIVITY HAS BEEN LOW. REGION 2570 (S25W38) PRODUCED THE LARGEST EVENTS WITH A C3/1N FLARE AT 0315 UT AND ALSO THREE SUBFLARES. REGION 2562 (S11W82) HAS NOT PRODUCED ANY FLARES BUT PLAGE FLUCTUATION HAVE CONTINUED. REGION 2571 (S22W11) HAS GROWN SLIGHTLY BUT PRODUCED ONLY A SUBNORMAL FLARE WITH NO ASSOCIATED X-RAYS. A NEW REGION, 2585 (S12W28), DEVELOPED TO A B-TYPE SPOT GROUP AND PRODUCED A C2/SN FLARE AT 0121 UT. TWO OTHER NEW SMALL REGIONS WERE NUMBERED, 2586 (N20E76) AND 2587 (S32E45).

I B. SOLAR ACTIVITY IS EXPECTED TO REMAIN LOW, WITH A SLIGHT CHANCE OF A MAJOR EVENT FROM REGION 2562 AS IT ROTATES AROUND THE WEST LIMB IN THE NEXT 24 HOURS.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED TO QUIET THE PAST 24 HOURS. THE FIELD IS EXPECTED TO BE SLIGHTLY UNSETTLED DURING THE FORECAST PERIOD.

III. EVENT PROBABILITIES 23 JULY - 25 JULY

CLASS M 60/50/50

CLASS X 05/01/01

PROTON 05/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 22 JULY 241

PREDICTED 23-25 JULY 228/224/213

90-DAY MEAN 22 JULY 204

V. GEOMAGNETIC INDICES

OBSERVED FREDERICKSBURG 21 JULY 08

ESTIMATED AFR/AP 22 JULY 05/11

PREDICTED AFR/AP 23-25 JULY 10/12 - 10/10 - 12/10

SOLTERWARN

BT