

NFUS 1 BOU 252200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 177

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 2200Z 25 JUNE 1980

IA. SOLAR ACTIVITY REMAINS MODERATE. REGION 2522 (S29W36) HAS PRODUCED THE FOLLOWING: IN MAX AT 24/2318UT; M4/1B, MAX AT 25/1554 UT AND SEVERAL SMALLER FLARES. REGION 2530 (S23W28) FLARED SYMPATHETICALLY WITH REGION 2522 ON TWO OCCASIONS AND HAS PRODUCED IN, MAX 24/2311 UT, C6/SB MAX 25/0050 UT AND SEVERAL SMALLER FLARES. NEW REGION 2537 (N18E58) PRODUCED A C7/SB MAX AT 25/1241 UT, AS DID REGION 2524 (N21W82) ON THE WEST LIMB. SURGING IS OBSERVED NEAR SE 15 CORRESPONDING TO RETURN OF OLD REGION 2487. RAPID GROWTH HAS OCCURRED IN REGION 2535 (N13E23).

IB. SOLAR ACTIVITY IS EXPECTED TO REMAIN MODERATE DURING 26 THROUGH 28 JUNE, WITH CONTINUED ACTIVITY LIKELY IN REGIONS 2522, 2530, AND 2537. ACTIVITY IS POSSIBLE IN REGION 2535 AND REGION 2524 MAY ALSO CONTINUE TO CONTRIBUTE.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETLED, TRENDING TOWARD QUIET. A RESPONSE DUE TO A SECTOR BOUNDARY IS POSSIBLE EARLY ON 26 JUNE. OTHERWISE CONDITIONS SHOULD BECOME QUIET.

III. EVENT PROBABILITIES 26 JUNE - 28 JUNE

CLASS M 80/80/80

CLASS X 10/10/10

PROTON 05/02/02

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 25 JUNE 231

PREDICTED 26-28 JUNE 228/224/220

90-DAY MEAN 25 JUNE 210

V. GEOMAGNETIC INDICES

OBSERVED FREDERICKSBURG 24 JUNE 19

ESTIMATED AFR/AP 25 JUNE 10/10

PREDICTED AFR/AP 26-28 JUNE 10/14 - 08/12 - 06/10

SOLTERWARN

BT