

HFUS 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 SE15 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 UNSETTLED, 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 A 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