

HFUS 1 BOU 262200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, COLO

SDF NUMBER 178

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 26 JUNE 1980

IA. SOLAR ACTIVITY HAS BEEN LOW DURING THE PAST 24 HOURS. REGION 2522 (S29W36) PRODUCED 5 CLASS C/SUBFLARES. THE SPOT GROUP AND FLARE ARE BEGINNING TO DECLINE BUT ARE STILL CAPABLE OF PRODUCING A LARGE FLARE. REGION 2530 (S23W28) PRODUCED ONLY ONE CLASS C/SUBFLARE AND APPEARS STABLE. REGION 2524 (N21W82) ROTATED BEYOND THE WEST LIMB. IT PRODUCED THREE CLASS C X-RAY EVENTS WITH BRIGHT SUBFLARES, A SPRAY AND A LOOP PROMINENCE REPORTED. ALL OTHER REGIONS ARE QUIET AND STABLE. NO NEW REGIONS WERE OBSERVED AT THE EAST LIMB.

IB. REGIONS 2522 AND 2530 ARE STILL CAPABLE OF MODERATE LEVEL FLARE ACTIVITY BUT WILL ROTATE BEYOND THE WEST LIMB ON 29 JUNE, ONLY CLASS C ACTIVITY IS EXPECTED FROM THE OTHER REGIONS ON THE DISK.

II. THE GEOMAGNETIC FIELD HAS BEEN NEAR ACTIVE LEVELS DURING THE PAST 24 HOURS. THE FIELD IS EXPECTED TO BE ACTIVE DURING THE NEXT 24 HOURS AND UNSETTLED FOR THE REST OF THE FORECAST PERIOD.

III. EVENT PROBABILITIES 27 - 29 JUNE 1980

CLASS M 70/70/50

CLASS X 05/05/01

PROTON 02/02/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 26 JUNE 219

PREDICTED 27 - 29 JUNE 212/210/197

90-DAY MEAN 26 JUNE 210

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 25 JUNE 13

ESTIMATED AFR/AP 26 JUNE 16/19

PREDICTED AFR/AP 27 - 29 JUNE 16/18 10/10 10/10

SOLTERWARN

BT