

HFUS 1 BOU 272200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 178

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 27 JUNE 1979

IA. SOLAR ACTIVITY WAS LOW DURING THE PAST 24 HOURS. ACTIVITY HAS BEEN CONFINED TO A FEW C-CLASS X-RAY EVENTS AND SUBFAINT FLARES. THE LARGEST OF THESE, A C2 MAXING AT 0118Z HAD NO OPTICAL CORRELATION. A 9.8 FLUX UNIT BURST AT 4995 MHZ WAS ASSOCIATED WITH THIS EVENT HOWEVER. REGION 1820 (S24W72) HAD A SUBFAINT FLARE WHICH MAXED AT 1855Z WHILE NEW REGION 1834 (N18E64) HAD A SUBFAINT FLARE WHICH MAXED AT 1639Z. REGION 1831 (S26W85) PRODUCED A C2 SUBNORMAL FLARE WHICH MAXED AT 2107Z. THE REMAINING DISK REGIONS HAVE BEEN BASICALLY STABLE WITH FEW SIGNIFICANT CHANGES DURING THE DAY. FOUR NEW REGIONS HAVE BEEN REPORTED TODAY, 1834 (N18E64), 1835 (N15W11), 1836 (S07W23), AND 1837 (N05E81). ALL ARE SIMPLE GROUPS AT PRESENT.

IB. SOLAR ACTIVITY IS EXPECTED TO REMAIN LOW THROUGH THE ENTIRE FORECAST PERIOD, WITH A SLIGHT TREND UPWARD ON THE THIRD DAY. INDICATIONS OF LIMB SURGING AND PROMINENCE ACTIVITY COULD HERALD THE RETURN OF SOME PRIOR ROTATION ACTIVE REGIONS.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED DURING THE PAST 24 HOURS. UNSETTLED TO QUIET CONDITIONS ARE EXPECTED TO CONTINUE THROUGH THE FORECAST PERIOD.

III. EVENT PROBABILITIES 28 JUNE - 30 JUNE

CLASS M 20/20/30

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 27 JUNE 153

PREDICTED 28-30 JUNE 158/163/168

90-DAY MEAN 27 JUNE 175

V. GEOMAGNETIC A-INDICES

OBSERVED FREDERICKSBURG 26 JUNE 13

ESTIMATED AFR/AP 27 JUNE 09/13

PREDICTED AFR/AP 28-30 JUNE 07/08 - 07/08 - 08/10

SOLTERWARN

BT