

HFUS .1 BOU 282200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 179

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 28 JUNE 1978

IA. SOLAR ACTIVITY HAS BEEN LOW TO MODERATE THE PAST 24 HOURS.
REGION 1172 (S20W28) PRODUCED A M2/1B FLARE WHICH REACHED MAXIMUM
AT 2256Z. A DELTA CONFIGURATION HAS BEEN OBSERVED IN REGION 1176
(N22W14). SMALL CLASS C X-RAY EVENTS HAVE BEEN OBSERVED THROUGH-
OUT THE DAY. NEW QUIET REGIONS AT S17E61 AND N22E62 HAVE BEEN
NUMBERED 1184 AND 1185 RESPECTIVELY.

IB. SOLAR ACTIVITY IS EXPECTED TO REMAIN LOW TO MODERATE. REGIONS
1172 (N17W45), 1172 (S20W28), AND 1176 (N22W14) RETAIN THEIR
CAPABILITY OF PRODUCING ENERGETIC FLARES.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED TO ACTIVE. GEOMAGNETIC
CONDITIONS SHOULD REMAIN GENERALLY ACTIVE WITH BRIEF PERIODS
TO MINOR STORM LEVELS DURING THE NEXT 24 HOURS, BECOMING GENERALLY
ACTIVE FOR THE SUBSEQUENT 48 HOURS.

III. EVENT PROBABILITIES 29 JUNE - 01 JULY

CLASS M 75/75/75

CLASS X 25/25/25

PROTON 30/35/35

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 28 JUNE 168

PREDICTED 29 JUNE - 01 JULY 165/162/160

90-DAY MEAN 28 JUNE 148

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 27 JUNE 17

ESTIMATED AFR/AP 28 JUNE 12/17

PREDICTED AFR/AP 29 JUNE - 01 JULY 20/25 - 18/20 - 15/20

SOLTERWARN

BT