

HFUS 1 BOU 272200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 178

JOINT USAF/NOAA PRIMARY REPROT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 27 JUNE 1978

IA. SOLAR ACTIVITY HAS BEEN LOW THE PAST 24 HOURS. ACTIVITY HAS
BEEN CONFINED TO SUBFLARES AND CLASS C X-RAY EVENTS FROM SIX
DIFFERENT REGIONS. REGIONS 1170 (N17W31), 1172 (S20W14), AND
1176 (N22W00) ALL CONTAIN ISOLATED POLARITIES WITHIN THEIR
LARGE SUNSPOT STRUCTURES AND ARE MAGNETICALLY COMPLEX. REGIONS
1182 (N15E52) AND 1183 (N19E57) HAVE CROSSED EAST LIMB DURING
THE PAST TWO DAYS.

IB. SOLAR ACTIVITY IS EXPECTED TO BE LOW TO MODERATE. REGIONS
1170, 1172, AND 1176 ALL HAVE THE POTENTIAL FOR ENERGETIC EVENTS
II. THE GEOMAGNETIC FIELD HAS BEEN ACTIVE. THE FIELD IS EXPECTED
TO BE GENERALLY ACTIVE THROUGHOUT THE NEXT THREE DAYS WITH 12-15
HOURS OF STORM CONDITIONS PROBABLE BEGINNING THE LATTER PORTION
OF 28 JUNE.

III. EVENT PROBABILITIES 28 JUNE - 30 JUNE

CLASS M 80/75/75

CLASS X 25/25/25

PROTON 30/30/30

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 27 JUNE 174

PREDICTED 28-30 JUNE 172/169/165

90-DAY MEAN 27 JUNE 147

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 26 JUNE 39

ESTIMATED AFR/AP 27 JUNE 16/25

PREDICTED AFR/AP 28-30 JUNE 17/20 - 30/30 - 20/25

SOLTERWARN

BT