

~~SECRET~~
HFUS 1 BOU 292200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, CO

SDF NUMBER 180

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 29 JUNE 1978

IA. SOLAR ACTIVITY HAS BEEN LOW. THE LARGEST EVENT HAS BEEN
A CLASS C6 FLARE WITH NO OPTICAL REPORT AT 29/1117 U.T. A NEW
REGION HAS APPEARED OVER EAST LIMB AT N15. THUS FAR THE REGION
HAS A SIMPLE H-TYPE SPOT BUT IT HAS PRODUCED A NUMBER OF SMALL
CLASS C EVENTS.

IB. SOLAR ACTIVITY IS EXPECTED TO BE LOW TO MODERATE WITH CLASS M
FLARES POSSIBLE, MOST LIKELY IN REGIONS 1170 (N17W59), 1172
(S20W42) OR 1176 (N23W28).

II. THE GEOMAGNETIC FIELD HAS BEEN INTERMITTENTLY QUIET TO UNSETTLED
IT IS EXPECTED TO BE GENERALLY ACTIVE THROUGH THE NEXT THREE DAYS.

III. EVENT PROBABILITIES 30 JUNE-02 JULY

CLASS M 75/75/75

CLASS X 15/15/15

PROTON 25/25/20

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 29 JUNE 162

PREDICTED 30 JUNE-02 JULY 156/150/152

90-DAY MEAN 29 JUNE 148

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 28 JUNE 14

ESTIMATED AFR/AP 29 JUNE 15/14

PREDICTED AFR/AP 30 JUNE-02 JULY 25/25 - 15/17 - 14/15

SOLTERWARN

BT