

HFUS 1 BOU 262200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, COLO

SDF NUMBER 208

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

IA. SOLAR ACTIVITY HAS CONTINUED LOW FOR THE PAST 24 HOURS. THE
LARGEST XRAY EVENT WAS A C6/IN MAXING AT 0120 UT FROM REGION
2588 (S08E37). THIS REGION IS DEVELOPING AS IS NEW REGION 2591
(N17E55), A B-TYPE GROUP, AND 2589 (N26E55) WHICH SHARES A
NEUTRAL LINE WITH 2591. ALL OTHER REGIONS REMAINED STABLE OR
DECLINED, WITH 2579 (S19W38) SHOWING DRAMATIC DECAY IN MAG-
NETIC AND WHITE LIGHT COMPLEXITY. REGION 2582 (N11W20) HAS STA-
BILIZED AND NO LONGER APPEARS THREATENING.

IB. SOLAR ACTIVITY IS EXPECTED TO REMAIN LOW THROUGHOUT THE
FORECAST PERIOD. UNLESS SIGNIFICANT DEVELOPMENT OCCURS, ONLY
ISOLATED M-CLASS X-RAY ACTIVITY IS FORECAST PRIMARILY FROM
REGION 2588.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED TO OCCASIONALLY
ACTIVE FOR THE PAST 24 HOURS AS CONDITIONS RECOVER FROM A
MINOR STORM ON 25 JULY. THE FIELD IS EXPECTED TO BE MOSTLY UN-
SETTLED TRENDING TOWARD QUIET CONDITIONS ON THE THIRD DAY.

III. EVENT PROBABILITIES 27 JULY - 29 JULY

CLASS M 10/10/10

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 26 JULY 191

PREDICTED 27-29 JULY 183/175/170

90-DAY MEAN 26 JULY 205

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 25 JULY 23

ESTIMATED AFR/AP 26 JULY 16/17

PREDICTED AFR/AP 27-29 JULY 12/15 09/10 07/08

SOLTERWARN

BT