

HFUS 1 BOU 152200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, COLO

SDF NUMBER 228

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 15 AUGUST 1980

IA. SOLAR ACTIVITY WAS LOW TODAY. NUMEROUS SUBFLARES OCCURRED
THROUGHOUT THE DAY FROM REGIONS 2618 (S26E11), 2620 (N12E13)
AND NEW REGION 2629 (N17E66). REGIONS 2618 AND 2620 CONTINUED
GROWING AND HAVE RETAINED THEIR ERUPTIVE CHARACTERISTICS.
FOUR NEW REGIONS WERE OBSERVED TODAY, 2627 (S14E11), 2628
(N10E48), 2629 (N17E66), AND 2630 (S18W45).

IB. SOLAR ACTIVITY IS EXPECTED TO REMAIN LOW. M-CLASS X-RAY
ACTIVITY FROM REGIONS 2618 AND 2620 REMAIN POSSIBLE DURING THE
FORECAST PERIOD IF GROWTH CONTINUES.

II. THE GEOMAGNETIC FIELD WAS MILDLY UNSETTLED TODAY AND IS EXPECTED
TO BECOME INCREASINGLY UNSETTLED TOMORROW. THE FIELD SHOULD
RETURN TO MILDLY UNSETTLED 17 AND 18 AUG.

III. EVENT PROBABILITIES 16 - 18 AUG

CLASS M 40/40/40

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 15 AUG 187

PREDICTED 16 - 18 AUG 187/187/181

90-DAY MEAN 15 AUG 194

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 14 AUG 08

ESTIMATED AFR/AP 15 AUG 07/09

PREDICTED AFR/AP 16 - 18 AUG 12/15 7/12 8/10

SOLTERWARN

BT