

HFUS 1 BOU 262200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 239

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

IA. SOLAR ACTIVITY HAS BEEN LOW WITH THE EXCEPTION OF A M1/IN
FLARE AT 2112 UT IN REGION 2629 (N19W80). THIS REGION ALSO PRODUCED
SEVERAL CLASS C X-RAY EVENTS AND CONTINUES TO GROW SLOWLY. REGION
2640 (S08W30) PRODUCED THREE SUBFLARES AND HAS GROWN SLIGHTLY.
REGION 2643 (N10E20) HAS ALSO GROWN TO A SMALL D-TYPE SPOT GROUP.
NEW REGION 2644 (S27E25) DEVELOPED ON THE DISK WITH A COMPACT
FLARE, D-TYPE SPOT GROUP AND AN ARCH FILAMENT SYSTEM. THIS REGION
HAS PRODUCED POINT BRIGHTENING AND A SUBFLARE AT 2018 UT. ALL
OTHER REGIONS ARE STABLE OR DECLINING.

IB. SOLAR ACTIVITY IS EXPECTED TO DECREASE AS REGION 2629 ROTATES
BEYOND WEST LIMB. AN ISOLATED CLASS M FLARE IS POSSIBLE IN
ASSOCIATION WITH A LARGE UNSTABLE FILAMENT NOW ELEVATED ABOVE
UNSPOTTED REGION 2632 (N14W41).

II. THE GEOMAGNETIC FIELD IS EXPECTED TO REMAIN SLIGHTLY UNSETTLED
DURING THE FORECAST PERIOD.

III. EVENT PROBABILITIES 27 AUGUST - 29 AUGUST

CLASS M 60/40/20

CLASS X 05/05/01

PROTON 05/05/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 26 AUGUST 151

PREDICTED 27-29 AUGUST 148/145/140

90-DAY MEAN 26 AUGUST 184

V. GEOMAGNETIC INDICES

OBSERVED FREDERICKSBURG 25 AUGUST 04

ESTIMATED AFR/AP 26 AUGUST 08/12

PREDICTED AFR/AP 27-29 AUGUST 12/12 - 10/10 - 08/08

SOLTERWARN

BT