

HFUS 1 BOU 282200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, COLO

SDF NUMBER 241

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 28 AUGUST 1980

IA. SOLAR ACTIVITY HAS BEEN LOW. ONLY CLASS C FLARES WITH NO
ASSOCIATED RADIO BURSTS WERE REPORTED FROM SEVERAL REGIONS.

REGION 2646 (N12E64) HAS A GROWING C TYPE SPOT GROUP AND COMPACT
PLAGE. IT PRODUCED TWO CLASS IF FLARES, 3 SUBFLARES AND WAS
NEAR FLARE BRIGHTNESS FOR MOST OF THE DAY. REGION 2645 (S07E63)
HAS A LARGE PLAGE AREA WITH AN E TYPE SPOT GROUP AND IS STILL NOT
COMPLETELY VISABLE. REGION 2643 (N10W06) IS GROWING AGAIN AND PRO-
DUCED 3 SMALL SUBFLARES. REGION 2644 (S27W01) CONTINUES TO GROW
SLOWLY BUT HAS NOT BEEN ACTIVE.

IB. SOLAR ACTIVITY IS EXPECTED TO RETURN TO MODERATE LEVELS WITH
CLASS M EVENTS POSSIBLE FROM REGION 2644 AND 2645 BECAUSE OF THEIR
SIZE AND COMPLEX APPEARANCE.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET THE PAST 24 HOURS AND IS
EXPECTED TO BE SLIGHTLY UNSETLED DURING THE FORECAST PERIOD.

III. EVENT PROBABILITIES 29 - 31 AUGUST

CLASS M 70/70/70

CLASS X 01/01/01

PROMON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 28 AUGUST 165

PREDICTED 29 - 31 AUG 166/167/170

90-DAY MEAN 28 AUGUST 183

V. GEOMAGNETIC INDICES

OBSERVED FREDERICKSBURG 27 AUGUST 18

ESTIMATED AFR/AP 28 AUGUST 05/07

PREDICTED AFR/AP 29 - 31 AUGUST 08/10 08/10 08/10

SOLTERWARN

BT