

HFUS 1 B O U 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 FLARE. IT PRODUCED TWO CLASS IF FLARES, 3 SUBFLARES AND WAS NEAR FLARE BRIGHTNESS FOR MOST OF THE DAY. REGION 2645 (S07E63) HAS A LARGE FLARE AREA WITH AN E TYPE SPOT GROUP AND IS STILL NOT COMPLETELY VISABLE. REGION 2643 (N10W06) IS GROWING AGAIN AND PRODUCED 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 UNSETTLED DURING THE FORECAST PERIOD.

III. EVENT PROBABILITIES 29 - 31 AUGUST

CLASS M 70/70/70

CLASS X 01/01/01

PROTON 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 A 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

SOLIERWARN

BT