

HFUS 1 BOU 072200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 219

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 07 AUGUST 1978

IA. SOLAR ACTIVITY HAS BEEN LOW. REGION 1238 (S27E37) PRODUCED TWO CLASS C SUBFLARES AT 1123 UT AND 1750 UT, THE LATTER BEING ACCOMPANIED BY A WEAK TYPE II BURST. THIS REGION HAS SHOWN A DRAMATIC INCREASE IN SPOT AREA AND NUMBER. FLUX CONTINUES TO EMERGE IN THIS REGION AND WIDESPREAD ARCH FILAMENTS HAVE BEEN OBSERVED INDICATING CONTINUED GROWTH. OTHER REGIONS HAVE BEEN STABLE.

IB. SOLAR ACTIVITY SHOULD INCREASE TO A LOW TO MODERATE LEVEL. THE GROWTH TREND OF REGION 1238 SHOULD RESULT IN INCREASED ACTIVITY PRODUCTION. NO SIGNIFICANT ACTIVE REGIONS ARE DUE TO RETURN.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET THE PAST 24 HOURS. CONDITIONS SHOULD REMAIN QUIET TO SLIGHTLY UNSETTLED FOR THE FORECAST PERIOD.

III. EVENT PROBABILITIES 08 AUGUST - 10 AUGUST

CLASS M 20/25/25

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 07 AUGUST 125

PREDICTED 08-10 AUGUST 130/134/138

90-DAY MEAN 07 AUGUST 136

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 06 AUGUST 19

ESTIMATED AFR/AP 07 AUGUST 06/05

PREDICTED AFR/AP 08-10 AUGUST 06/06 - 08/08 - 10/10

SOLTERWARN

BT