

HFUS 1 BOU 1722 00

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 230

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 17 AUGUST 1980

IA. SOLAR ACTIVITY HAS BEEN LOW DURING THE PAST 24 HOURS. A DOZEN SMALL C-CLASS FLARES HAVE BEEN OBSERVED. HALF OF FOURTEEN SPOTTED REGIONS CURRENTLY ON THE VISIBLE DISK HAVE MANAGED TO PRODUCE AT LEAST ONE SUBFLARE. THE MOST ACTIVE OF THE REGIONS HAS BEEN REGION 2628 (N11E20) WHICH PRODUCED FOUR SMALL SUBFLARES. REGION 2629 (N18E38), WHICH WAS GROWING RAPIDLY YESTERDAY, HAS NOW APPARENTLY STABILIZED. REGIONS 2625 (N18E09) AND 2628 ARE RESTRUCTURING AND HAVE SHOWN GROWTH IN WHITE LIGHT.

IB. SOLAR ACTIVITY IS EXPECTED TO REMAIN LOW. THE MOST COMPLICATED REGION IS REGION 2629 BUT THAT REGION IS NOT EXPECTED TO PRODUCE ESPECIALLY ENERGETIC FLARES WITHOUT SUBSTANTIAL FURTHER GROWTH.

II. THE GEOMAGNETIC FIELD HAS BEEN MILDLY UNSETLED DURING THE PAST 24 HOURS. THE FIELD IS EXPECTED TO BE MILDLY UNSETLED TO QUIET FOR THE NEXT 72 HOURS.

III. EVENT PROBABILITIES 18 AUGUST - 20 AUGUST

CLASS M 30/35/35

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 17 AUGUST 200

PREDICTED 18-20 AUGUST 199/196/192

90-DAY MEAN 17 AUGUST 194

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 16 AUGUST 19

ESTIMATED AFR/AP 17 AUGUST 07/14

PREDICTED AFR/AP 18-20 AUGUST 08/12 - 07/10 - 06/08

SOLTERWARN

BT