

HFUS 1 BOU 302200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 242

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 2200Z 30 AUGUST 1978

IA. SOLAR ACTIVITY HAS BEEN MODERATE TODAY. REGION 1271 (N 17E 61)  
PRODUCED A 1 IN/M<sup>2</sup> FLARE AT 1545Z (MAX). SHORT WAVE FADE AND  
CENTIMETRIC BURSTS ACCCOMPANIED THIS FLARE. THIS WAS FOLLOWED  
AT 1645Z (MAX) BY A TEN FLARE WITH A BURST OF 170 F.U.

NO OPTICAL EVENT AND NO RISE IN X-RAY LEVEL OCCURRED WITH THIS  
CENTIMETRIC RADIO BURST EVENT. REGION 1271 HAS HAD FREQUENT  
BRIGHTENING. REGION 1272 (S 30E 68) ALSO IS OSCILLATING IN PLAGE  
INTENSITY.

IB. SOLAR ACTIVITY IS EXPECTED TO BE MODERATE. ANOTHER ACTIVE  
REGION IS EXPECTED TO ROTATE ON TO THE DISK WITHIN THE NEXT TWO  
DAYS.

II. THE GEOMAGNETIC FIELD HAS BEEN ACTIVE. IT IS EXPECTED TO  
REMAIN ACTIVE THROUGH 01 SEPTEMBER. BECOMING UNSETLED TO ACTIVE  
ON 02 SEPTEMBER.

III. EVENT PROBABILITIES 31 AUGUST - 02 SEPTEMBER

CLASS M 40/50/60

CLASS X 01/05/05

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 30 AUGUST 121

PREDICTED 31 AUGUST - 02 SEPTEMBER 124/126/130

90-DAY MEAN 30 AUGUST 129

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 29 AUGUST 32

ESTIMATED AFR/AP 30 AUGUST 25/27

PREDICTED AFR/AP 31 AUGUST - 02 SEPTEMBER 22/25 - 18/20 - 12/15

SOLTERWARN