

HFUS 1 BOU 242200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 237

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 2200Z 24 AUGUST 1980

IA. SOLAR ACTIVITY HAS BEEN MODERATE. THREE M-CLASS X-RAY EVENTS  
OCCURRED DURING THE LAST PERIOD. ALL WERE ASSOCIATED WITH REGION  
2629 (N19W52). AN M1/1B MAX OCCURRED AT 0543 UT 24 AUGUST. AN  
M1/SB AT 1613 UT. AND M2/1B AT 1951 UT. A NUMBER OF EVENTS OF  
C-CLASS X-RAY, AND OF SUBFLARE LEVELS OPTICALLY ALSO OCCURRED.  
OTHER REGIONS EXHIBITING ACTIVITY WERE 2625 (N16W85), 2632 (N14W16).  
NEW REGION 2642 (N13W06) WAS NUMBERED TODAY. REGIONS 2629,  
2632 AND 2635 (N10E20) APPARENTLY SHARE A COMMON NEUTRAL LINE AND  
HAVE SHOWN REPEATED SYMPATHETIC ACTIVITY DURING THIS PERIOD.

IB. SOLAR ACTIVITY IS EXPECTED TO REMAIN MODERATE. REGION 2629  
SHOULD CONTINUE ACTIVE. REGION 2632 HAS SHOWN INCREASED ACTIVITY.  
REGION 2635 IS CAPABLE OF ACTIVITY.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED WITH NEAR QUIET  
CONDITIONS UNTIL LATE IN THE PERIOD RISING TO HIGH UNSETTLED AT  
THE END OF THE PERIOD.

III. EVENT PROBABILITIES 25 AUGUST - 27 AUGUST

CLASS M 60/60/60

CLASS X 05/05/05

PROTON 02/02/02

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 24 AUGUST 163

PREDICTED 25-27 AUGUST 157/150/145

90-DAY MEAN 24 AUGUST 187

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 23 AUGUST 03

ESTIMATED AFR/AP 24 AUGUST 07/07

PREDICTED AFR/AP 25-27 AUGUST 07/12 - 06/10 - 06/10

SOLTERWARN

BT