

HEMS 1 B.OU 122200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, COLO

SDF NUMBER 256

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 2200Z 12 SEPTEMBER 1980

IA. SOLAR ACTIVITY WAS LOW TODAY. THE LARGEST EVENT WAS C9 AT 0158Z  
WITH NO OPTICAL REPORT. A C8/SB OCCURRED IN REGION 2665 (N13E18)  
AT 0547Z. THIS REGION HAS BEEN ERUPTIVE AND WAS ELONGATED. REGION  
2672 (S10E42) HAS BEEN DIVIDED INTO TWO REGIONS, 2672 AND 2675

(S13E42). REGION 2667 (N07W36) RECOVERED SPOTS, MAKING A B-TYPE  
GROUP. TWO NEW REGIONS WERE FORMED TODAY 2675 AND 2676 (S06E06).

IB. SOLAR ACTIVITY IS EXPECTED TO BE LOW FOR ONE OR TWO MORE DAYS,  
THEN BECOMING MODERATE DUE TO GROWTH IN REGION 2665. THIS IS  
CURRENTLY THE MOST ACTIVE REGION AND IS SHOWING A SLOW TREND TOWARD  
INCREASING ACTIVITY.

II. THE GEOMAGNETIC FIELD WAS ACTIVE TODAY, PROBABLY DUE TO A  
DISAPPEARING FILAMENT ON 9 SEP. THE FIELD IS EXPECTED TO BECOME  
UNSETTLED FOR THE FORECAST PERIOD.

III. EVENT PROBABILITIES 13 - 15 SEP

CLASS M 35/40/50

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 12 SEP

177

PREDICTED 13 - 15 SEP

175/174/170

90-DAY MEAN 12 SEP

187

V. GEOMAGNETIC INDICES

OBSERVED FREDERICKSBURG 11 SEP

06

ESTIMATED AFR/AP 12 SEP

17/25

PREDICTED AFR/AP 13 - 15 SEP

12/15 10/15 12/15

SOLIFWARN

BT