

HFUS 1 BOU 142200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, COLO

SDF NUMBER 227

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 2200Z 14 AUGUST 1980

IA. SOLAR ACTIVITY WAS LOW TODAY. REGIONS 2620 (N12E27) AND 2621  
(S21E32) EACH PRODUCED A SUBFLARE. AT 0543 UT, A 245 MHZ BURST OF  
1300 FLUX UNITS OCCURRED, ACCOMPANIED BY A TYPE II RADIO SWEEP.  
NO OPTICAL REPORT ASSOCIATED WITH THIS EVENT. REGION 2614 (N13E05)  
REMAINED STABLE WHILE 2615 (N05E01) AND 2620 (N12E27) CONTINUED  
GROWING. ONE NEW REGION WAS CONFIRMED, 2626 (S09E43).

IB. SOLAR ACTIVITY IS EXPECTED TO REMAIN LOW. REGIONS 2614, 2615  
AND 2618 (S26E24) ALL EXHIBIT ERUPTIVE CHARACTERISTICS,  
BUT APPEAR SIMPLE MAGNETICALLY AND IN WHITE LIGHT. ONE OR TWO  
M-CLASS X-RAY EVENTS ARE POSSIBLE DURING THE FORECAST PERIOD.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED TODAY AND IS EXPECTED  
TO BECOME ACTIVE TOMORROW DUE TO AN ERUPTED FILAMENT, RELAXING  
TO HIGH UNSETTLED ON 16 AUG AND MILDLY UNSETTLED ON 17 AUG.

III. EVENT PROBABILITIES 15 AUG - 17 AUG

CLASS M 40/40/30

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 14 AUG 192

PREDICTED 15 AUG - 17 AUG 194/195/192

90-DAY MEAN 14 AUG 195

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 13 AUG 05

ESTIMATED AFP/AP 14 AUG 11/13

PREDICTED AFR/AP 15 - 17 AUG 18/12 14/15 07/10

SOLTERWARN

BT