

HFUS 1 BOU 282200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER. CO

SDF NUMBER 209

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 2200Z 28 JULY 1978

IA. SOLAR ACTIVITY HAS BEEN VERY LOW FOR THE PAST 24 HOURS.  
TWO NEW REGIONS HAVE BEEN OBSERVED. REGION 1232 HAS EMERGED AT  
N18E51. REGION 1233 HAS ROTATED OVER THE EAST LIMB AND IS LOCATED  
AT S21E78. BOTH THESE REGIONS AND THE PREEXISTING ACTIVE REGIONS  
ARE STRUCTURALLY AND MAGNETICALLY SIMPLE.

IB. SOLAR ACTIVITY SHOULD REMAIN AT A VERY LOW LEVEL. NO  
RETURNING REGIONS OF NOTE ARE DUE TO RETURN THIS FORECAST PERIOD  
AND NO SIGNIFICANT GROWTH TRENDS HAVE BEEN NOTED IN REGIONS  
CURRENTLY ON THE VISIBLE DISK.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET. IT SHOULD  
REMAIN QUIET WITH UNSETTLED INTERVALS THIS FORECAST PERIOD.  
A LARGE WEAK EQUATORIAL CORONAL HOLE IS NOW LOCATED IN THE EASTERN  
HEMISPHERE. THIS MAY CAUSE SOME ACTIVATION OF THE GEOMAGNETIC  
FIELD BEGINNING ON ABOUT 3 AUGUST.

III. EVENT PROBABILITIES 29-31 JULY

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 28 JULY 107

PREDICTED 29 - 31 JULY 108/110/113

90-DAY MEAN 28 JULY 142

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 27 JULY 03

ESTIMATED AFR/AP 28 JULY 10/10

PREDICTED AFR/AP 29 - 31 JULY 06/10 - 08/08 - 10/10

SOLTERWARN

BT