

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
N 18E51. REGION 1233 HAS ROTATED OVER THE EAST LIMB AND IS LOCATED
AT S2IE78. 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 UNSETLED 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