

HFUS 1 BOU 082200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO
SDF NUMBER 189

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 08 JULY 1978

IA. SOLAR ACTIVITY HAS BEEN MODERATE. THE REGION RESPONSIBLE FOR THE NORTHEAST LIMB ACTIVITY OF THE PAST TWO DAYS IS NOW PARTIALLY VISIBLE AND HAS BEEN NUMBERED 1203 (N16E77). 1203 IS A LARGE REGION IN WHITE LIGHT WITH THE LEADING PENUMBRAL AREA EXCEEDING 5 DEGREES IN LATITUDINAL EXTENT. THIS REGION PRODUCED AN M3/1B FLARE THAT REACHED MAXIMUM AT 1957 UT. X-RAY LEVELS ARE STILL ENHANCED AT THIS TIME. REGIONS 1184 (S16W64) AND 1201 (S19E05) CONTINUE THEIR GROWTH WITH 1184 CONTINUING TO PRODUCE CLASS C X-RAY FLARES.

IB. SOLAR ACTIVITY SHOULD CONTINUE AT A MODERATE LEVEL WITH PERIODS AT HIGH LEVELS. AS REGION 1203 ROTATES MORE INTO VIEW A MORE ACCURATE ESTIMATE OF ITS FLARE POTENTIAL WILL BE POSSIBLE.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETLED TO ACTIVE. GEOMAGNETIC CONDITIONS SHOULD REMAIN GENERALLY UNSETLED, AGAIN WITH PERIODS AT ACTIVE LEVELS.

III. EVENT PROBABILITIES 09 JULY - 11 JULY

CLASS M 60/60/60

CLASS X 10/10/10

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 08 JULY 132

PREDICTED 09-11 JULY 139/143/147

90-DAY MEAN 08 JULY 146

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 07 JULY 13

ESTIMATED AFR/AP 08 JULY 13/16

PREDICTED AFR/AP 09-17 JULY 14/15 - 16/18 - 10/10

SOLTERWARN 09-11 JUL

BT