

HFUS 1 BOU 042200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, CO

SDF NUMBER 216

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 2200Z 4 AUG 1978

IA. SOLAR ACTIVITY HAS BEEN VERY LOW. THE REMNANT OF REGION 1203 HAS APPEARED ON THE NORTHEAST LIMB AND HAS BEEN NUMBERED 1239 (N18E83). THIS REGION HAS BEEN QUIET AND IS SIMPLE MAGNETICALLY WITH ONLY ONE SMALL SPOT BEING OBSERVED. FOUR OTHER NEW REGIONS HAVE BEEN OBSERVED. ALL ARE IN THE SOUTHEAST QUADRANT AND ARE NUMBERED 1238 (S26E75), 1237 (S22E60), 1236 (S17E44), AND 1240 (S31E42). THESE REGIONS ARE QUIET WITH SCATTERED PLAGES. REGION 1233 (S22W19) HAS PRODUCED TWO SUBFLARES WITH INSIGNIFICANT X-RAY ENHANCEMENTS.

IB. SOLAR ACTIVITY SHOULD BE AT A VERY LOW TO LOW LEVEL THIS FORECAST PERIOD. NO SIGNIFICANT GROWTH TRENDS IN REGIONS CURRENTLY ON THE DISK HAVE BEEN NOTED.

II. THE GEOMAGNETIC FIELD HAS BEEN ACTIVE. THIS EXPECTED ACTIVATION BEGAN AT APPROXIMATELY 0300 UT AND CONTINUED UNTIL 1800 UT. THE FIELD IS NOW QUIET TO UNSETTLED AND SHOULD REMAIN SO FOR THIS FORECAST PERIOD.

III. EVENT PROBABILITIES 05 - 07 AUG

CLASS M 01/05/05

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 04 AUG 109

PREDICTED 05 - 07 AUG 112/116/121

90-DAY MEAN 04 AUG 136

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 03 AUG 15

ESTIMATED AFR/AP 04 AUG 24/32

PREDICTED AFR/AP 05 - 07 AUG 08/10 - 08/12 - 06/08

SOLTERWARN

BT