

HFUS 3 BOU 082200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 189

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 08 JUL 1983

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 07/2100 TO 08/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW. ONLY MINOR CHANGES OCCURRED IN CURRENT DISK REGIONS. REGION 4235 (S20W15) HAS SIMPLIFIED TO A NEARLY BIPOLAR CONFIGURATION. REGION 4237 (S16E48) IS NOW DISPLAYING SEVERAL SMALL TRAILER SPOTS AND MAY BE IN A SLOW GROWTH PHASE. A SMALL ACTIVE SURGE REGION HAS BEEN OBSERVED AT THE SOUTHEAST LIMB.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY SHOULD BE LOW FOR THE NEXT THREE DAYS. MINOR REGIONS ARE EXPECTED TO RETURN TO THE EAST LIMB DURING THE FORECAST PERIOD.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 07/2100Z TO 08/2100Z: THE GEOMAGNETIC FIELD WAS UNSETTLED TO SLIGHTLY ACTIVE DURING THE PERIOD.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE AT UNSETTLED TO SLIGHTLY ACTIVE LEVELS FOR THE DURATION OF THE FORECAST PERIOD.

III. EVENT PROBABILITIES 09 JUL-11 JUL

CLASS M 10/10/10

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 08 JUL 124

PREDICTED 09 JUL-11 JUL 123/121/120

90 DAY MEAN 08 JUL 134

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 07 JUL 012/015

ESTIMATED AFR/AP 08 JUL 012/015

PREDICTED AFR/AP 09 JUL-11 JUL 010/015-012/015-012/015

SOLTERWARN

BT