

HFUS3 BOU 222200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 204

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.
ISSUED 2200Z 22 JUL 1984

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 21/2100 TO 22/2100Z: SOLAR ACTIVITY CONTINUES VERY LOW. ONLY A FEW MINOR X-RAY BURSTS HAVE OCCURRED; ALL BEING WELL BELOW THE CLASS C THRESHOLD. THE LEADER SUNSPOT STRUCTURE OF REGION 4545 (S07W25) HAS CONTINUED TO GROW; HOWEVER, SLIGHT DECAY HAS OCCURRED IN THE TRAILER SUNSPOT STRUCTURE. REGION 4549 (S18E73) HAS ROTATED ON TO THE DISK. CURRENTLY, ONLY A SINGLE H-TYPE SUNSPOT IS VISIBLE WITH SCATTERED H-ALPHA PLAGE.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO REMAIN VERY LOW.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 21/2100Z TO 22/2100Z: THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED DURING THE PAST 24 HOURS.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE UNSETTLED THROUGH 24 JULY WITH UNSETTLED TO ACTIVE CONDITIONS EXPECTED ON 25 JULY.

III. EVENT PROBABILITIES 23 JUL-25 JUL

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 22 JUL 084

PREDICTED 23 JUL-25 JUL 085/085/086

90 DAY MEAN 22 JUL 113

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 21 JUL 009/012

ESTIMATED AFR/AP 22 JUL 010/015

PREDICTED AFR/AP 23 JUL-25 JUL 010/015-010/015-013/020

SOLTERWARN

RT