

HFUS3 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 1985

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 07/2100Z TO 08/2100Z: SOLAR ACTIVITY REMAINS VERY LOW. C-CLASS XRAY EVENTS CONTINUE AT A RATE OF ROUGHLY ONE EVERY TWO HOURS. THE LARGEST FLARE DETECTED WAS A C4/ON AT 0958Z. THE SOURCE OF THE ACTIVITY IS ONCE AGAIN THE REGION 4671 (S15W24) / REGION 4672 (S17W24) COMPLEX. THESE REGIONS HAVE MERGED IN THE PAST 24 HOURS AND WILL HENCEFORTH BE REFERRED TO AS REGION 4671. SLIGHT GROWTH HAS BEEN OBSERVED THERE AND THE BETA-GAMMA DELTA CONFIGURATION PERSISTS. REGION 4674 (S08W35) HAS ALSO GROWN TODAY WHILE GENERATING ONE SUBFLARE. REGION 4670 (S09W56) HAS BEEN STABLE. REGION 4675 (S09W56) IS NOW A SPOTLESS PLAGE. EARLY IN THE PERIOD AN EIGHT DEGREE FILAMENT DISAPPEARED NEAR S08E21.

IB. SOLAR ACTIVITY FORECAST: THE FREQUENT C-CLASS SUBFLARES SEEM TO BE DISSIPATING THE STORED ENERGY IN REGION 4671. THEY SHOULD CONTINUE OVER THE NEXT 3 DAYS WITH ALWAYS THE CHANCE OF AN ISOLATED M-CLASS EVENT PRESENT.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 07/2100Z TO 08/2100Z: THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED TO SLIGHTLY ACTIVE THE PAST 24 HOURS.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD SHOULD BE UNSETTLED THROUGH JULY 10. QUIET CONDITIONS ARE POSSIBLE JULY 11.

III. EVENT PROBABILITIES 09 JUL-11 JUL

CLASS M 45/30/30

CLASS X 05/05/05

PROTON 05/05/05

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 08 JUL 095

PREDICTED 09 JUL-11 JUL 096/096/095

90 DAY MEAN 08 JUL 079

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 07 JUL 020/032

ESTIMATED AFR/AP 08 JUL 013/020

PREDICTED AFR/AP 09 JUL-11 JUL 010/015-010/015-005/015

SOLTERWARN

BT