

HFUS3 BOU 132200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 195

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 13 JUL 1984

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 12/2100 TO 13/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW THIS PERIOD. AT THIS TIME ONLY FOUR REGIONS POSSESS SPOTS. REGION 4539 (S07E18), THE MOST ACTIVE GROUP, PRODUCED ONLY AN OPTICAL SUBFLARE IN THE LAST 24 HOURS.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY SHOULD REMAIN VERY LOW TO LOW FOR THE NEXT THREE DAYS.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 12/2100Z TO 13/2100Z: THE GEOMAGNETIC FIELD HAS BEEN AT MINOR STORM LEVELS AT ALL LATITUDES WITH SOME PERIODS AT MAJOR STORM. THE CORONAL HOLE HAS ARRIVED.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE AT ACTIVE TO MINOR STORM LEVELS FOR THE NEXT THREE DAYS DUE TO THE CORONAL HOLE THAT IS NOW AFFECTING THE FIELD.

III. EVENT PROBABILITIES 14 JUL-16 JUL

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 13 JUL 090

PREDICTED 14 JUL-16 JUL 090/090/090

90 DAY MEAN 13 JUL 117

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 12 JUL 011/020

ESTIMATED AFR/AP 13 JUL 042/050

PREDICTED AFR/AP 14 JUL-16 JUL 020/030-020/030-020/020

SOLTERWARN

BT