

HFUS3 BOU 102200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 192

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 10 JUL 1984

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 09/2100 TO 10/2100Z: SOLAR ACTIVITY HAS BEEN LOW. REGION 4536 (S10W19) HAS BEEN THE MOST ACTIVE PRODUCING TWO OPTICAL SUBFLARES. THIS GROUP IS NOW A C TYPE SPOT GROUP. ONE NEW REGION WAS NUMBERED THIS PERIOD AS REGION 4540 (S09W22) WHICH WAS THE NORTHERN MOST LEADER OF OLD REGION 4532 (S09W22). 4540 IS NOW AN H TYPE SPOT GROUP AND 4532 IS NOW A C TYPE GROUP.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY SHOULD BE VERY LOW TO LOW THROUGHOUT THE FORECAST PERIOD.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 09/2100Z TO 10/2100Z: THE GEOMAGNETIC FIELD HAS BEEN UNSETLED TO ACTIVE AT MIDLATITUDES. AT HIGH LATITUDES THE FIELD STARTED OUT UNSETLED, BUT ENDED UP AT ACTIVE TO MINOR STORM LEVELS.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE AT UNSETLED LEVELS AT ALL LATITUDES FOR THE NEXT 24 HOURS. FOR THE REMAINDER OF THE PERIOD ACTIVE TO MINOR STORM LEVELS ARE EXPECTED AT ALL LATITUDES DUE TO THE EFFECTS OF A CORONAL HOLE THAT IS RETURNING ONTO THE DISK.

III. EVENT PROBABILITIES 11 JUL-13 JUL

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 10 JUL 098

PREDICTED 11 JUL-13 JUL 099/099/099

90 DAY MEAN 10 JUL 118

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 09 JUL 010/013

ESTIMATED AFR/AP 10 JUL 014/015

PREDICTED AFR/AP 11 JUL-13 JUL 010/010-025/025-030/030

SOLTEP/NORN