

HFUS3 BOU 122200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 194

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 12 JUL 1984

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 11/2100
TO 12/2100Z: SOLAR ACTIVITY HAS BEEN LOW. REGIONS 4537 (S08W03)
AND 4541 (S15E57) HAVE BEEN THE MOST ACTIVE DURING THE PERIOD .
THEY ARE D AND H TYPE SPOT GROUPS RESPECTIVELY AND BOTH
PRODUCED AN OPTICAL SUBFLARE IN THE LAST 24 HOURS.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY SHOULD REMAIN LOW.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 11/2100Z TO 12/2100Z:
THE GEOMAGNETIC FIELD STARTED OUT AT ACTIVE TO MINOR STORM
LEVELS AT ALL LATITUDES AND THEN TAPERED OFF TO ACTIVE TO
UNSETTLED LEVELS FOR THE REMAINDER OF THE PERIOD.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS
EXPECTED TO CLIMB TO ACTIVE TO MINOR STORM LEVELS FOR THE NEXT
THREE DAYS DUE TO THE CORONAL HOLE THAT HAS BEEN VERY
PERSISTENT OVER THE LAST THREE ROTATIONS.

III. EVENT PROBABILITIES 13 JUL-15 JUL

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 12 JUL 092

PREDICTED 13 JUL-15 JUL 092/092/091

90 DAY MEAN 12 JUL 117

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 11 JUL 012/018

ESTIMATED AFR/AP 12 JUL 016/020

PREDICTED AFR/AP 13 JUL-15 JUL 030/030-020/025-020/030

SOLTERWARN

BT