

HFUS3 BOU 242200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 206

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 24 JUL 1984

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 23/2100 TO 24/2100Z: SOLAR ACTIVITY HAS BEEN LOW. THE TOTAL NUMBER OF SPOTTED GROUPS THAT APPEAR ON THE DISK IS NOW FIVE. A SMALL A- TYPE SPOT GROUP REAPPEARED IN REGION 4546 (S12 W49). ALSO A NEW REGION WAS NUMBERED TODAY AS 4551 WITH THE EMERGENCE OF AN A TYPE SPOT GROUP AT S06W43. NO OPTICAL EVENTS HAVE OCCURRED IN THE PAST 24 HOURS.

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

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 23/2100Z TO 24/2100Z: THE GEOMAGNETIC FIELD HAS BEEN AT ACTIVE LEVELS AT ALL LATITUDES BETWEEN 0130Z AND 0730Z. SINCE THEN THE FIELD HAS BEEN AT UNSETTLED LEVELS.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD SHOULD BE AT ACTIVE LEVELS ON THE 25TH OF JULY AND THEN DECREASE TO UNSETTLED TO ACTIVE LEVELS ON THE 26TH AND 27TH.

III. EVENT PROBABILITIES 25 JUL-27 JUL

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 24 JUL 084

PREDICTED 25 JUL-27 JUL 084/085/086

90 DAY MEAN 24 JUL 112

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 23 JUL 011/012

ESTIMATED AFR/AP 24 JUL 013/016

PREDICTED AFR/AP 25 JUL-27 JUL 015/020-013/015-011/020

SOLTERWARN

BT