

HFUS3 BOU 022200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 184

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 02 JUL 1984

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 01/2100 TO 02/2100Z: SOLAR ACTIVITY WAS AT A VERY LOW LEVEL DURING THIS PERIOD. ACTIVITY NOTED THIS PERIOD INCLUDED A C-CLASS XRAY BURST AT 1818Z (MAX) AND SUBFAINT FLARES AT 1755Z (MAX) AND 1828Z (MAX). SEVERAL REGIONS WERE NUMBERED TODAY: 4528 (N07E65), 4529 (N04E34), 4530 (N14W66) AND 4531 (N19E68). REGION 4531 IS A SMALL C TYPE GROUP WHILE THE OTHERS ARE SMALL A TYPE GROUPS.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO REMAIN AT A VERY LOW LEVEL FOR THE NEXT 24 HOURS. OLD REGION 4509 IS DUE TO RETURN ON 3 JULY BUT IS NOT EXPECTED TO BE ENERGETIC.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 01/2100Z TO 02/2100Z: THE GEOMAGNETIC FIELD WAS UNSETTLED TO ACTIVE AT MID LATITUDES AND GENERALLY ACTIVE AT HIGH LATITUDES.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE UNSETTLED TO ACTIVE FOR THE NEXT THREE DAYS.

III. EVENT PROBABILITIES 03 JUL-05 JUL

CLASS M 05/05/05

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 02 JUL 100

PREDICTED 03 JUL-05 JUL 100/101/100

30 DAY MEAN 02 JUL 119

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 01 JUL 014/019

ESTIMATED AFR/AP 02 JUL 011/020

PREDICTED AFR/AP 03 JUL-05 JUL 012/015-012/015-010/015

SOLTERWARN

BT