

HFUS3 BOU 112200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 163

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 11 JUN 1984

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 10/2100 TO 11/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW THIS PERIOD. EVENTS HAVE CONSISTED OF MINOR RADIO BURSTS AND SWEEPS, A B LEVEL X-RAY FLARE AND SEVERAL OPTICAL SUBFLARES. REGION 4509 (S10E22) WAS THE SOURCE OF THREE OF THE OPTICAL SUBFLARES, WHILE NEW REGION 4512 (N02E64) PRODUCED THE OTHER THREE. THESE REGIONS ARE C AND B TYPE SPOT GROUPS, RESPECTIVELY. THE REMAINDER OF THE DISK APPEARS STABLE AT THIS TIME.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY SHOULD BE VERY LOW TO LOW THROUGHOUT THE FORECAST PERIOD. THE RETURN OF OLD REGION 4492 (CARRINGTON 357) MIGHT RAISE THE FLARE PROBABILITIES. THIS REGION IS DUE TO RETURN ON THE 13TH OF JUNE.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 10/2100Z TO 11/2100Z: THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED TO ACTIVE, AT ALL LATITUDES, THIS PERIOD.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD SHOULD BE UNSETTLED TO ACTIVE, AT ALL LATITUDES, THROUGHOUT THE FORECAST PERIOD.

III. EVENT PROBABILITIES 12 JUN-14 JUN

CLASS M 01/01/10

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 11 JUN 090

PREDICTED 12 JUN-14 JUN 090/092/096

90 DAY MEAN 11 JUN 125

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 10 JUN 014/018

ESTIMATED AFR/AP 11 JUN 012/015

PREDICTED AFR/AP 12 JUN-14 JUN 010/010-015/020-010/015

SOLTERWARN

BT

Very Low
unsettled - Active