

HFUS3 BOU 242200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 205

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.
ISSUED 2200Z 24 JUL 1985

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 23/2100
TO 24/2100Z: SOLAR ACTIVITY HAS BEEN AT A VERY LOW LEVEL.

REGION 4677 (S13 W25) HAS LOST ITS SPOTS, HOWEVER, A LARGE
FILAMENT HAS DEVELOPED IN THE REGION. REGION 4678 (S13 E23) IS
NOW THE ONLY REGION WITH SPOTS, A SMALL BXO GROUP. A REGION
MAY BE EMERGING NEAR N03 E10.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO
REMAIN AT A VERY LOW LEVEL. THE ACTIVE REGION COMPLEX OF
REGION 4671/4672 (S16 L001) IS DUE BACK ON 27 JULY, HOWEVER,
THERE HAS BEEN NO INDICATIONS OF ANY ACTIVITY ON THE EAST LIMB
TO HERALD THE RETURN OF THESE REGIONS.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 23/2100Z TO 24/2100Z:
THE GEOMAGNETIC FIELD HAS BEEN BASICALLY UNSETTLED. A SHORT
PERIOD OF ACTIVE CONDITIONS OCCURRED AROUND 1200UT.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS
EXPECTED TO BE ACTIVE EARLY IN THE FORECAST PERIOD. UNSETTLED
CONDITIONS ARE EXPECTED FOR THE REMAINDER OF THE PERIOD.

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 069

PREDICTED 25 JUL-27 JUL 069/070/070

90 DAY MEAN 24 JUL 079

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 23 JUL 015/017

ESTIMATED AFR/AP 24 JUL 014/017

PREDICTED AFR/AP 25 JUL-27 JUL 015/025-012/015-010/015

THE BOULDER SPACE ENVIRONMENT SERVICES CENTER WILL HAVE A POWER
OUTAGE ON 27 JULY FROM 1300 TO 2300UT. TELEX AND AUTODIN
TRANSMISSION OF ROUTINE SESC PRODUCTS SCHEDULED DURING THIS TIME
WILL BE DELAYED UNTIL POWER IS RESTORED.

SOLTERWARN

BT