

HFUS3 BOU 282200-

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 118

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.
ISSUED 2200Z 28 APR 1985

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 27/2100
TO 28/2100Z: SOLAR ACTIVITY WAS AT A VERY LOW LEVEL DURING THE
PAST 24 HOURS. REGION 4647 (N05W36) IS RELATIVELY QUIET IN ITS
DECAYING PHASE AS ONLY SMALL RADIO AND AN OCCASIONAL SUBFLARE
IS BEING REPORTED. REGION 4647 IS STILL A BETA GAMMA DELTA
MAGNETICALLY BUT IT IS NOW JUST BARELY AN E TYPE SPOT GROUP.
THERE ARE NO OTHER SPOT GROUPS ON THE VISIBLE DISK.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO
REMAIN AT A VERY LOW LEVEL WITH A STRONG POSSIBILITY OF AN
ISOLATED M OR X EVENT.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 27/2100Z TO 28/2100Z:
THE GEOMAGNETIC FIELD HAS BEEN AT ACTIVE TO STORM LEVELS.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS
EXPECTED TO BE AT UNSETTLED TO ACTIVE LEVELS WITH MINOR STORM
CONDITIONS IN NIGHTTIME SECTORS.

III. EVENT PROBABILITIES 29 APR-01 MAY

CLASS M 25/25/25

CLASS X 15/15/15

PROTON 10/10/10

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 28 APR 077

PREDICTED 29 APR-01 MAY 074/072/070

90 DAY MEAN 28 APR 074

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 27 APR 028/040

ESTIMATED AFR/AP 28 APR 041/060

PREDICTED AFR/AP 29 APR-01 MAY 018/025-014/020-013/020

SOLTERWARN

BT