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FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 184

JOINT USAF/NDAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.
ISSUED 2200Z 03 JUL 1987

I. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 02/2100Z
TO 03/2100Z: SOLAR ACTIVITY CONTINUES VERY LOW. THE DISK IS
SPOTLESS AND HAS BEEN SO SINCE JUNE 30.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO
REMAIN VERY LOW.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 02/2100Z TO 03/2100Z:
THE GEOMAGNETIC FIELD WAS QUIET TO UNSETTLED UNTIL
APPROXIMATELY 1915Z WHEN GROUND-BASED AND SATELLITE MAGNET-
OMETERS RECORDED A SUDDEN IMPULSE. ITS MAGNITUDE AT BOULDER
WAS ABOUT 20 NANOTESLAS. ACTIVE TO MINOR STORM CONDITIONS
HAVE PREVAILED SINCE.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS
EXPECTED TO BE UNSETTLED TO ACTIVE JULY 4, GIVING WAY TO QUIET
TO UNSETTLED CONDITIONS BY THE END OF THE PERIOD.

III. EVENT PROBABILITIES 04 JUL-06 JUL

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 03 JUL 071

PREDICTED 04 JUL-06 JUL 071/072/072

90 DAY MEAN 03 JUL 084

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 02 JUL 003/008

ESTIMATED AFR/AP 03 JUL 010/016

PREDICTED AFR/AP 04 JUL-06 JUL 015/018-010/012-005/010