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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-  
METERS 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