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FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 009

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 09 JAN 1987

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 08/2100Z TO 09/2100Z: SOLAR ACTIVITY REMAINS VERY LOW. THE DISK IS AGAIN SPOTLESS. A QUIESCENT HEDGEROW PROMINENCE IS PERCHED ON THE EAST LIMB FROM N27 TO N48.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY SHOULD CONTINUE AT VERY LOW LEVELS THROUGHOUT THE PERIOD.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 08/2100Z TO 09/2100Z: THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED TO ACTIVE. THIS DISTURBANCE IS OF THE RECURRENT NATURE. NIGHTTIME SECTORS EXPERIENCED MINOR STORM CONDITIONS AT SOME SITES.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO PERSIST AT UNSETTLED TO ACTIVE LEVELS FOR THE NEXT THREE DAYS. THE INTENSITY OF THE CURRENT DISTURBANCE SHOULD GRADUALLY WEAKEN.

III. EVENT PROBABILITIES 10 JAN-12 JAN

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 09 JAN 070

PREDICTED 10 JAN-12 JAN 070/071/071

90 DAY MEAN 09 JAN 078

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 08 JAN 006/008

ESTIMATED AFR/AP 09 JAN 014/018

PREDICTED AFR/AP 10 JAN-12 JAN 015/015-010/013-010/012